



Fillmore and Piru Basins
Groundwater Sustainability Agency

Board of Directors Meeting

Thursday, April 18, 2024, 4:00 p.m.

City of Fillmore City Hall Council Chambers

250 Central Avenue, Fillmore, CA 93015

To participate in the Board of Directors meeting via Zoom, please access:

<https://us02web.zoom.us/j/85480305580?pwd=ZnFBWGhtVU05dXd3REFkM255c0h6UT09>

Meeting ID: **854 8030 5580** Password: **FPBGSA**

To hear just the audio portion of the meeting, phone into:

Toll-free number: **877 853 5247** Meeting ID: **854 8030 5580**

AGENDA

1. CALL TO ORDER

1A Pledge of Allegiance

1B Directors Roll Call

1C Public Comments

Fillmore and Piru Basins Groundwater Sustainability Agency (Agency) will accept public comment concerning agenda items at the time the item is considered and on any non-agenda item within the jurisdiction of the Board during the agendized Public Comment period. No action will be taken by the Board on any non-agenda item. In accordance with Government Code § 54954.3(b)(1), public comment will be limited to three (3) minutes per speaker per issue.

1D Approval of Agenda

Motion

2. CONSENT CALENDAR

All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)

2A Approval of Minutes

The Board will consider approving the Minutes from the Board of Directors meeting of March 21, 2024, and the Special Board of Directors meeting from April 4, 2024.

2B Approval of Warrants

The Board will consider approving payment of outstanding vendor invoices:

RAMS	\$ 300.00
Aleshire & Wynder LLP	\$ 2,320.00
DBS&A	\$23,821.75

2C Monthly Financial Report

The Board will receive the monthly financial report for the Fillmore and Piru Basins Groundwater Sustainability Agency.

3. MOTION ITEMS

3A Waiver of Late Fees and Interest for City of Fillmore

Motion

The Board will consider waiving late fees and interest in the amount of \$2,963.09 for the City of Fillmore.

3B Amendment of Groundwater Sustainability Plans in Response to Findings and Comments from California Department of Water Resources

Motion

The Board will receive a presentation from Daniel B. Stephens and Associates and staff summarizing the findings, comments, and recommendations received from the California Department of Water Resources regarding its Sustainable Groundwater Management Act review of the Agency’s Fillmore Basin Groundwater Sustainability Plan and Piru Basin Groundwater Sustainability Plan and provide comments and direction.

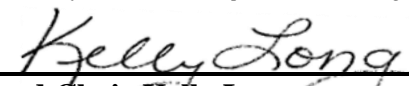
4. FUTURE TOPICS FOR BOARD DISCUSSION

5. ADJOURNMENT

The Board will adjourn to the next **Regular Board Meeting on Thursday, May 16, 2024**, or call of the Chair.

Materials, which are non-exempt public records and are provided to the Board of Directors to be used in consideration of the above agenda items, including any documents provided subsequent to the publishing of this agenda, are available for inspection at UWCD’s offices at 1701 N. Lombard Street in Oxnard during normal business hours.

The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied the benefits of, the District’s services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda materials in an alternative format, please contact the UWCD Office at (805) 525-4431 or the City of Fillmore at (805) 524- 1500. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.

Approved: 
Board Chair **Kelly Long**

Posted: (date) April 15, 2024 (time) 1:00 p.m. (attest) *Eva Ibarra*
At: <https://www.FPBGSA.org>

Posted: (date) April 15, 2024 (time) 1:10 p.m. (attest) *Eva Ibarra*
At: <https://www.facebook.com/FPBGSA>

Posted: (date) April 15, 2024 (time) 1:20 p.m. (attest) *Eva Ibarra*
At: UWCD, 1701 N. Lombard Street, Oxnard

Posted: (date) April 15, 2024 (time) 1:30 p.m. (attest) *Eva Ibarra*
At: Fillmore City Hall, 250 Central Avenue, Fillmore, CA



Board of Directors Meeting
Thursday, March 21, 2024, at 4:00p.m.
MINUTES

Directors in Attendance

Director Carole Fornoff (virtual)
Director Debbie Jackson
Director Gordon Kimball
Director Candice Meneghin
Director Albert Mendez

Director Absent

Director Kelly Long

Staff in Attendance

Anthony Emmert, executive director
Steve O'Neill, legal counsel
Eva Ibarra, clerk of the board

Public in Attendance

Lisa Crockett (virtual)
Burt Handy (virtual)
Tony Morgan, DBS&A
Patrick O'Connell, UWCD
Zachary Plummer, UWCD
Gus Tolley, DBS&A (virtual)
Brian Zahn, UWCD (virtual)

1. CALL TO ORDER 4:02 p.m.

Director Kimball called the meeting to order at 4:02 p.m.

1A Pledge of Allegiance

Director Kimball led everyone in reciting the Pledge of Allegiance.

1B Directors Roll Call

The Clerk called the roll. 5 Directors were present: Fornoff, Jackson, Kimball, Mendez, and Meneghin. Director Long was absent. 5/0/01.

1C Public Comments

Director Kimball asked if there were any comments or questions from the public. None were offered.

1D Approval of Agenda

Motion

Director Kimball asked Executive Director Emmert if there were any changes to the agenda. Mr. Emmert responded that there had been no changes to the agenda. Director Kimball then asked for a motion.

Motion to approve the agenda, Director Jackson; Second, Director Meneghin. Voice vote: 5 ayes (Fornoff, Jackson, Kimball, Meneghin, and Mendez), none opposed. Motion carries unanimously 5/0/01.

2. Updates

2A Director Announcements/Board Communications:

Fillmore Pumpers Association Stakeholder Director Update

Director Jackson reported the Fillmore Pumpers Association met this week.

Piru Pumpers Association Stakeholder Director Update

Director Fornoff said Piru Pumpers Association stakeholders met this week and said they will be having their annual meeting in June.

Environmental Stakeholder Director Update

Director Meneghin reported that the California Regional Water Quality Control Board is monitoring wells downstream of the Chiquita Canyon landfill, which is experiencing increased discharges. She stated that additional monitoring wells will be added. She said Friends of the Santa Clara River is advocating with Assemblymember Jackie Irwin for a wildlife and corridors bill. She said the UCSB Bren School has been performing hydrological evaluations on the Hedrick Ranch property and will be publishing results soon. She said she would like to have a presentation from the group to be added as a future agenda item.

City of Fillmore Member Director Update

Director Mendez had no update for the City of Fillmore.

United Water Conservation District Member Director Update

Director Kimball said Oxnard Forebay subbasin water levels under the Saticoy Recharge facility are full, which slows down the recharge rate, and because of that slowed rate, this year's recharge total will not break last year's record. It will likely be in the 100,000-acre-foot range. He also said United is maximizing deliveries to pipelines and explained the basins percolation process.

County of Ventura Member Director Update

Chair Long was absent.

2B Executive Director Update

Information Item

The Executive Director reported that the Agency has amended its annual reports to DWR. He said he is working on resolutions for bank and address changes, along with Fiscal Year 2024-2025 work plan, to be presented at the April 18th Board meeting for approval.

2C Legal Counsel Update

Information Item

Legal Counsel Steve O'Neill reported he has been working with staff on the Chiquita Canyon issues, GSP's, well permitting executive orders, SB 1156, and discussed the Indian Wells Basin GSA extraction fees.

2D GSP Consultant Update

Information Item

Tony Morgan from Daniel B Stephens & Associates presented slides and provided an update on items that have priority and items that will be placed on hold until after the amended GSPs are submitted. He mentioned the Cienega Springs mitigation and said DWR has now released their groundwater wells permitting document with comments. He said California Groundwater Resources Association has released their white paper on well permitting.

3. CONSENT CALENDAR

All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)

3A. Approval of Minutes

The Board approved the Minutes from the Board Meeting of February 15, 2024.

3B. Approval of Warrants

The Board approved payment of outstanding vendor invoices:

DBS&A	\$20,239.75
Aleshire & Wynder LLP Attorneys at Law	\$ 1,932.30

3C Monthly Financial Report

The Board received the monthly financial report for the Fillmore and Piru Basin Groundwater Sustainability Agency.

Motion to approve consent calendar, Director Jackson; second, Director Albert Mendez. Voice call vote: 5 ayes (Fornoff, Jackson, Kimball, Mendez, and Meneghin); none opposed. Motion carries unanimously 5/0/01.

4. MOTION ITEMS

4A Annual Reports to California Department of Water Resources

Motion

The Board received a presentation from Daniel B. Stephens and Associates summarizing edits made to the draft Water Year 2023 Annual Reports to the California Department of Water Resources and received approval of reports.

Motion to approve, Director Meneghin; second, Director Fornoff. Roll call vote: 5 ayes (Fornoff, Jackson, Kimball, Mendez, and Meneghin); none opposed. Motion carries unanimously 5/0/01.

4B Amendment of Groundwater Sustainability Plans

Motion

The Board received a presentation from staff and DBS&A summarizing the findings, comments, and recommendations received from the California Department of Water Resources regarding its Sustainable Groundwater Management Act review of the Agency's Fillmore Basin Groundwater Sustainability Plan and Piru Basin Groundwater Sustainability Plan and provided comments and direction from the Board.

4C Formation of Ad Hoc Committee for Amendment of Groundwater Sustainability Plans

Motion

The Board approved the forming of an Ad Hoc Committee for interacting with the California Department of Water Resources regarding Amendment of the Agency's Groundwater Sustainability Plans.

Motion to approve, Director Meneghin; second, Director Mendez. Roll call vote: 5 ayes (Fornoff, Jackson, Kimball, Mendez, and Meneghin); none opposed. Motion carries unanimously 5/0/01.

4D Chiquita Canyon Landfill

Motion

The Board approved a letter to the California Regional Water Quality Control Board, Los Angeles and CalRecycle regarding increased leachate discharges from the Chiquita Canyon Landfill.

Motion to approve, Director Meneghin; second, Director Mendez. Roll call vote: 5 ayes (Fornoff, Jackson, Kimball, Mendez, and Meneghin); none opposed. Motion carries unanimously 5/0/01.

5. FUTURE TOPICS FOR BOARD DISCUSSION

Agendize Bren School presentation for the Board meeting in May.

6. ADJOURNMENT 5:37 pm.

Director Kimball adjourned the meeting at 5:37 p.m. to the next **Regular Board Meeting** on Thursday, **March 21, 2024**, or call of the Chair.

I certify that the above is a true and correct copy of the minutes of the Fillmore and Piru Basins Groundwater Sustainability Agency’s Board of Directors meeting of March 21, 2024.

ATTEST: _____
Gordon Kimball, Vice Chair, FPBGSA Board of Directors

ATTEST: _____
Eva Ibarra, Clerk of the Board



Board of Directors Meeting
21 March 2024
Item 2D GSP Consultant
Update



Fillmore and Piru Basins
Groundwater Sustainability Agency


ACTIVITIES



✓ **Activities underway...**

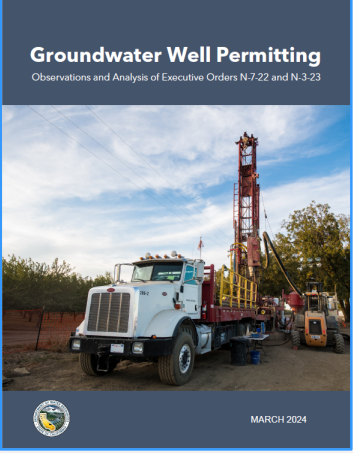
- **Responses to DWR comments on GSPs**
- **Annual Reports - Item 4A on agenda**
- **GW Export Policy - postponed**
- **Cienega Springs Mitigation Plan - postponed**

ACTIVITIES



✓ **Well Permitting Review Process - postponed**


Groundwater Well Permitting
Observations and Analysis of Executive Orders N-7-22 and N-3-23



MARCH 2024

**Technical and Practical Considerations for
Assessing New/Replacement Well Permits
under Executive Orders N-7-22 And N-3-23**

Prepared by



Groundwater Resources Association
805 N. D. 171, 209
Sacramento, CA 95811
P: 916-466-8026
F: 916-231-2141

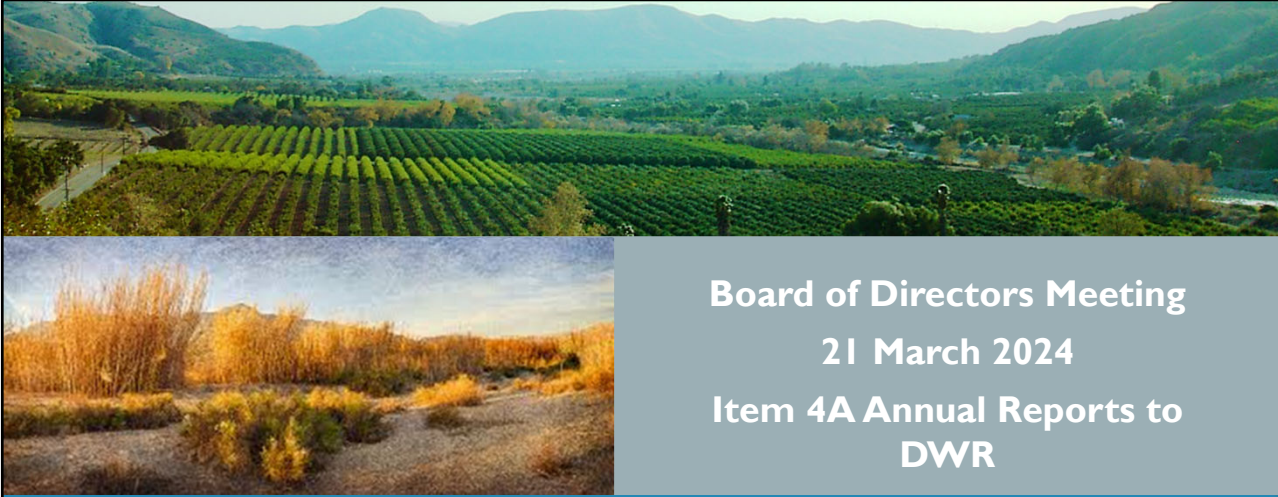
February 2024

ACTIVITIES




✓ **Upcoming activities**

- **Subsidence Update Technical Memorandum (2nd Qtr 2024)**
- **Domestic Well Drought Vulnerability Evaluation (2nd or 3rd Qtr 2024)**
- **Submit revised GSPs (NLT 16 July 2024)**



Board of Directors Meeting
21 March 2024
Item 4A Annual Reports to
DWR



Fillmore and Piru Basins
Groundwater Sustainability Agency

FILLMORE WY2023 ANNUAL REPORT CHANGES

- 1) Total groundwater **extractions increased by 2 AF** due to adjustments in pumping data made by the United finance department.
- 2) Modified the “No Extractions” symbology for Figures 5-7

FILLMORE WY2023 ANNUAL REPORT CHANGES

DRAFT

Table 1. Groundwater Extractions

Sector	Method	GW Extraction Volume (AF)	Accuracy (%)	Range (AF)
Agriculture	Electrical Efficiency	10,407	± 20	8,326 - 12,489
	Water Meter	21,070	± 5	20,017 - 22,124
Agriculture Subtotal		31,477		28,343 - 34,613
Domestic, Municipal and Industrial	Domestic	98	± 20	78 - 117
	Electrical Efficiency	71	± 20	57 - 85
	Water Meter	1,821	± 5	1,730 - 1,912
Domestic, Municipal and Industrial Subtotal		1,990		1,865 - 2,114
Total		33,467		30,208 - 36,727

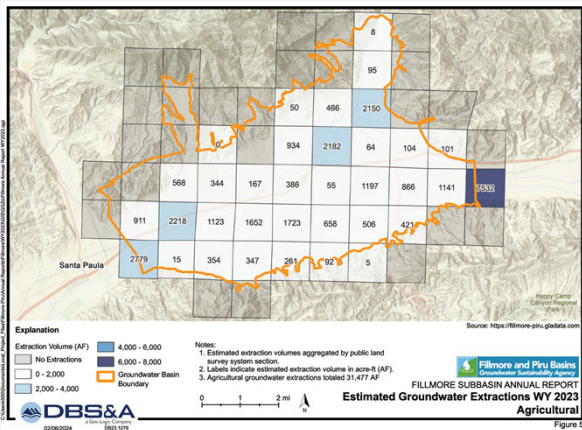
FINAL

Table 1. Groundwater Extractions

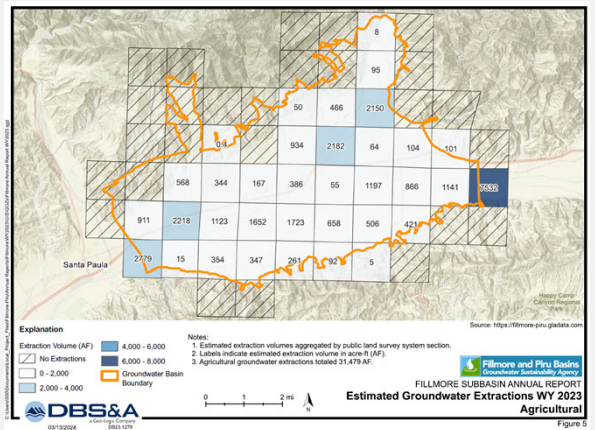
Sector	Method	GW Extraction Volume (AF)	Accuracy (%)	Range (AF)
Agriculture	Electrical Efficiency	10,408	± 20	8,326 - 12,489
	Water Meter	21,071	± 5	20,017 - 22,124
Agriculture Subtotal		31,479		28,343 - 34,613
Domestic, Municipal and Industrial	Domestic	98	± 20	78 - 117
	Electrical Efficiency	71	± 20	57 - 85
	Water Meter	1,821	± 5	1,730 - 1,912
Domestic, Municipal and Industrial Subtotal		1,990		1,865 - 2,114
Total		33,469		30,209 - 36,728

FILLMORE WY2023 ANNUAL REPORT CHANGES

DRAFT



FINAL



PIRU WY2023 ANNUAL REPORT CHANGES

- 1) Total groundwater **extractions increased by 365 AF** due to adjustments in pumping data made by the United finance department and a recently drilled well (04N19W26P03S) not being in the DMS. This well and associated data have been added to the DMS.

- 2) Modified the “No Extractions” symbology for Figures 5-7

PIRU WY2023 ANNUAL REPORT CHANGES

The screenshot displays the 'Extended Details - 04N19W26P03S' window. It features a map on the left with a red arrow pointing to the monitoring point location. The main area contains a table of production data and a line chart on the right.

Start Date	End Date	Air Usage (Acres Feet)	MI Usage (Acres Feet)	Total Usage (Acres Feet)	Method	Notes
2023-01-01	2023-06-30	158.86	0	158.86	Water Meter	Value from corrected pumping data provided by United on 2024-02-07
2023-07-01	2023-09-30	177.41	0	177.41	Water Meter	

The chart on the right, titled 'Production - 04N19W26P03S', shows 'Groundwater Production (Ac. Ft. in months)' on the y-axis (ranging from 155 to 180) and 'Date' on the x-axis (from Jun '23 to Jul '21). A legend indicates that blue dots represent 'Agricultural Usage' and black arrows represent 'Total Usage'. The chart shows a steady upward trend in total usage over the period.

PIRU WY2023 ANNUAL REPORT CHANGES

DRAFT

FINAL

Table 1. Groundwater Extractions

Sector	Method	GW Extraction Volume (AF)	Accuracy (%)	Range (AF)
Agriculture	Electrical Efficiency	1,993	± 20	1,595 - 2,392
	Water Meter	5,171	± 5	4,912 - 5,429
Agriculture Subtotal		7,164		6,507 - 7,821
Domestic, Municipal, and Industrial	Domestic	21	± 20	17 - 25
	Electrical Efficiency	9	± 20	7 - 11
	Water Meter	587	± 5	558 - 617
Domestic, Municipal, and Industrial Subtotal		617		582 - 653
Total		7,781		7,089 - 8,474

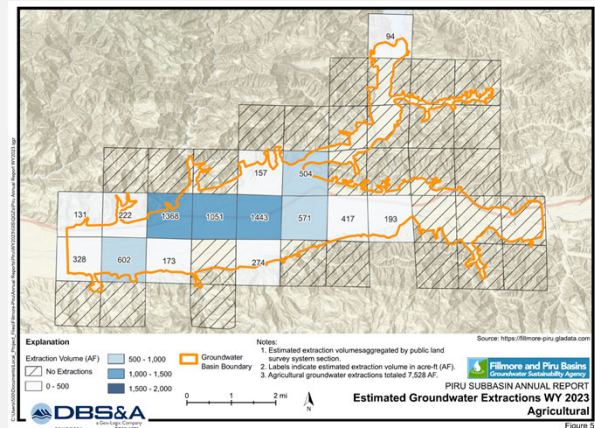
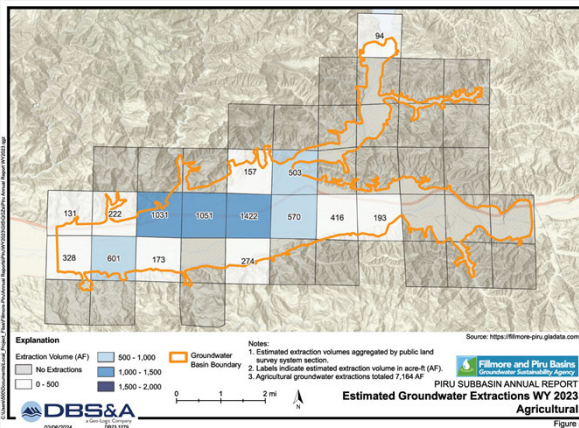
Table 1. Groundwater Extractions

Sector	Method	GW Extraction Volume (AF)	Accuracy (%)	Range (AF)
Agriculture	Electrical Efficiency	2,016	± 20	1,613 - 2,419
	Water Meter	5,512	± 5	5,237 - 5,788
Agriculture Subtotal		7,528		6,850 - 8,207
Domestic, Municipal, and Industrial	Domestic	21	± 20	17 - 25
	Electrical Efficiency	9	± 20	7 - 10
	Water Meter	588	± 5	558 - 617
Domestic, Municipal, and Industrial Subtotal		618		582 - 652
Total		8,146		7,432 - 8,859

PIRU WY2023 ANNUAL REPORT CHANGES

DRAFT

FINAL





Board of Directors Meeting
21 March 2024
Item 4B Amendment of GSPs in
Response to DWR Comments



Fillmore and Piru Basins
Groundwater Sustainability Agency

ACTIVITIES



Previous Work

- ✓ **07 March 2024 call with DWR staff (attended by Exec Director, DBS&A, UWCD staff)**
 - *Presented conceptual technical approach to WL MT*
 - *Received comments & suggestions from DWR technical staff & legal counsel*

ACTIVITIES



DWR comments on conceptual approach:

- ✓ *Expand the evaluation to include all wells*
- ✓ *Define why the MT WL was selected?*

DEPTH TO WATER MT SUMMARY

DWR

- **Summary - Long-Term Water Level Fluctuations for both basins**
 - Average difference between Min and Max WLs - 58ft (for wells with >20 WL measurements and well construction data)
 - Historically no wells have gone dry
 - GW modeling for *future climate change* and *increase in GW extractions* does not predict wells going dry
- **Hypothetical minimum threshold for depth to water was evaluated at 50, 75, and 100ft lower than the average 2011 depth to water levels**
- **Wells are considered dry** when DTW falls below the bottom of the screen.

Fillmore and Piru Basins

mon_pt_name	mon_pt_type	mon_pt_stat	Average_DT	mp_elevation	elev_ground	top_of_scre	bottom_of_s	Dry Well @	Dry Well @	Dry Well @	WL > TOS @	WL > TOS @	WL > TOS @	rep_mon_s
		us	W	n	_surface	n_depth_ft	reen_depth	50 ft	75 ft	100 ft	50ft	75ft	100ft	ite
03N19W06D02S	Agricultural Well	Active	47.01	434.6	432.44	216	405	No	No	No	No	No	No	Fillmore
03N20W01C04S	Agricultural Well	Active	27.91	404.58	402.28	49	218	No	No	No	Yes	Yes	Yes	Fillmore
03N20W01C06S	Agricultural Well	Active	42.00	419	421.31	120	300	No	No	No	No	No	Yes	Fillmore
03N20W02L07S	Domestic Production Well	Active	12.00		363.07	155	295	No	No	No	No	No	No	Fillmore
03N20W03D03S	Agricultural Well	Active	13.30	342.01	341.51	102	397	No	No	No	No	No	Yes	Fillmore
03N20W03H02S	Agricultural Well	Active	14.28	357.48	356.23	100	397	No	No	No	No	No	Yes	Fillmore
03N20W03N01S	Agricultural Well	Active	10.34	344.6	343.35	120	172	No	No	No	No	No	No	Fillmore
03N20W04N05S	Agricultural Well	Active	11.92	328.71	326.46	100	250	No	No	No	No	No	Yes	Fillmore
03N20W04R02S	Agricultural Well	Active	7.50	333.59	332.84	95	215	No	No	No	No	No	Yes	Fillmore
03N20W05D01S	Agricultural Well	Abandoned	132.78	437.12	434.12	215	315	No	No	No	No	No	Yes	Fillmore
03N20W05D03S	Agricultural Well	Active	125.76	432.37	430.98	200	385	No	No	No	No	Yes	Yes	Fillmore
03N20W09B03S	Domestic Production Well	Active	11.53	331.91	330.01	80	140	No	No	No	No	Yes	Yes	Fillmore
03N20W09D01S	Agricultural Well	Active	7.38	325.2	323.7	210	310	No	No	No	No	No	No	Fillmore
03N21W01N02S	Agricultural Well	Destroyed	78.78	330.74	329.24	200	400	No	No	No	No	No	No	Fillmore
03N21W01P02S	Domestic Production Well	Active	42.36	301.85	298.85	75	104	No	Yes	Yes	Yes	Yes	Yes	Fillmore
04N19W30D01S	Agricultural Well	Active	40.59	438.69	438.29	60	380	No	No	No	Yes	Yes	Yes	Fillmore
04N19W31F01S	Domestic Production Well	Active	15.80	424.32	424.32	60	100	No	No	Yes	Yes	Yes	Yes	Fillmore
04N19W31Q01S	Agricultural Well	Active	34.57	426.13	423.13	100	250	No	No	No	No	Yes	Yes	Fillmore
04N19W31R01S	Agricultural Well	Active	47.90	448.85	446.39	60	137	No	No	Yes	Yes	Yes	Yes	Fillmore
04N19W32F02S	Agricultural Well	Active	14.95	449.37	447.02	81	245	No	No	No	No	Yes	Yes	Fillmore
04N19W32M02S	Agricultural Well	Active	14.68	449.46	443.99	180	300	No	No	No	No	No	No	Fillmore
04N19W33D03S	Unknown	Active	3.45	477.43	474.43	140	506	No	No	No	No	No	No	Fillmore
04N19W33D04S	Domestic Production Well	Active	3.62	477.9	476.84	140	486	No	No	No	No	No	No	Fillmore
04N20W23C02S	Agricultural Well	Active	125.60	513.99	512.99	327	567	No	No	No	No	No	No	Fillmore
04N20W24G01S	Municipal Well	Active	98.00	481.01	481.01	100	260	No	No	No	Yes	Yes	Yes	Fillmore
04N20W24Q03S	Groundwater Monitoring Well	Abandoned	59.49	458.18	456.54	120	300	No	No	No	No	Yes	Yes	Fillmore
04N20W24Q04S	Municipal Well	Active	79.33	456.54	456.54	90	300	No	No	No	Yes	Yes	Yes	Fillmore
04N20W26C02S	Domestic Production Well	Active	130.57	505.35	504.85	155	255	No	No	No	Yes	Yes	Yes	Fillmore
04N20W33C03S	Agricultural Well	Active	155.55	525.52	522.52	470	700	No	No	No	No	No	No	Fillmore
04N20W36MW104	Groundwater Monitoring Well	Unknown	13.82	413.83	414.03	10	40	Yes	Yes	Yes	Yes	Yes	Yes	Fillmore

Fillmore Basin

DWR

dry wells 1
% dry wells 3.3%

wells with WL below TOS 9
wells with WL below TOS but not dry 8

mon_pt_name	mon_pt_type	mon_pt_stat	Average_DT	mp_elevation	elev_ground	top_of_scre	bottom_of_s	Dry Well @	Dry Well @	Dry Well @	WL > TOS @	WL > TOS @	WL > TOS @	rep_mon_sit
			W	n	_surface	n_depth_ft	reen_depth	50 ft	75 ft	100 ft	50ft	75ft	100ft	e
04N18W19R01S	Agricultural Well	Unknown	76.0466667	655.63	652.63	220	401	No	No	No	No	No	No	Piru
04N18W20M02S	Domestic Production Well	Destroyed	115.904545	689.8	689.8	160	369	No	No	No	Yes	Yes	Yes	Piru
04N18W20P02S	Groundwater Monitoring Well	Unknown	75.4935714	667.02	665.75	137	177	No	No	No	No	Yes	Yes	Piru
04N18W20P04S	Groundwater Monitoring Well	Unknown	74.44	667.19	666.24	100	140	No	Yes	Yes	Yes	Yes	Yes	Piru
04N18W20R01S	Agricultural Well	Active	58.94	661.32	659.42	190	319	No	No	No	No	No	No	Piru
04N18W27B02S	Agricultural Well	Active	33.8016667	715.66	714.16	140	255	No	No	No	No	No	No	Piru
04N18W27G03S	Agricultural Well	Active	27.69	709.18	707.58	40	120	No	No	Yes	Yes	Yes	Yes	Piru
04N18W28C02S	Agricultural Well	Active	86.315	676.44	675.89	390	750	No	No	No	No	No	No	Piru
04N18W29C01S	Agricultural Well	Active	64.6	663.03	662.03	356	500	No	No	No	No	No	No	Piru
04N18W29P01S	Agricultural Well	Inactive	54.3645455	645.15	642.5	0	232	No	No	No	Yes	Yes	Yes	Piru
04N18W31D03S	Groundwater Monitoring Well	Unknown	31.620625	597.5	596.25	590	610	No	No	No	No	No	No	Piru
04N18W31D04S	Groundwater Monitoring Well	Unknown	27.900625	597.5	596.25	310	330	No	No	No	No	No	No	Piru
04N18W31D05S	Groundwater Monitoring Well	Unknown	27.805	597.5	596.25	220	240	No	No	No	No	No	No	Piru
04N18W31D06S	Groundwater Monitoring Well	Unknown	27.66375	597.5	596.25	140	160	No	No	No	No	No	No	Piru
04N18W31D07S	Groundwater Monitoring Well	Unknown	27.741875	597.5	596.25	50	70	Yes	Yes	Yes	Yes	Yes	Yes	Piru
04N19W25C02S	Agricultural Well	Active	62.1625	611.09	613.53	265	504	No	No	No	No	No	No	Piru
04N19W25K04S	Agricultural Well	Active	37.5	593.97	592.97	220	370	No	No	No	No	No	No	Piru
04N19W26P01S	Agricultural Well	Active	27.605	563	562	222	268	No	No	No	No	No	No	Piru
04N19W33H01S	Agricultural Well	Active	4.55	493.6	490.8	237	362	No	No	No	No	No	No	Piru
04N19W34J01S	Agricultural Well	Active	8.7616667	526.77	525.57	72	120	No	No	No	No	Yes	Yes	Piru
04N19W34K01S	Agricultural Well	Active	8.2825	519.51	522.6	5	120	No	No	No	Yes	Yes	Yes	Piru
04N19W34L01S	Agricultural Well	Active	8.5	514.41	514.41	90	430	No	No	No	No	No	Yes	Piru
04N19W35G01S	Groundwater Monitoring Well	Unknown	18.6125	559.46	557.14	24	79	No	Yes	Yes	Yes	Yes	Yes	Piru
04N19W35H01S	Groundwater Monitoring Well	Unknown	18.145	561.54	558.39	18	48	Yes	Yes	Yes	Yes	Yes	Yes	Piru
04N19W35H02S	Groundwater Monitoring Well	Unknown	19.8975	563.71	562.77	18	48	Yes	Yes	Yes	Yes	Yes	Yes	Piru
04N19W36D01S	Groundwater Monitoring Well	Unknown	22.52	568.38	566.98	18	73	No	Yes	Yes	Yes	Yes	Yes	Piru

Piru Basin

DWR

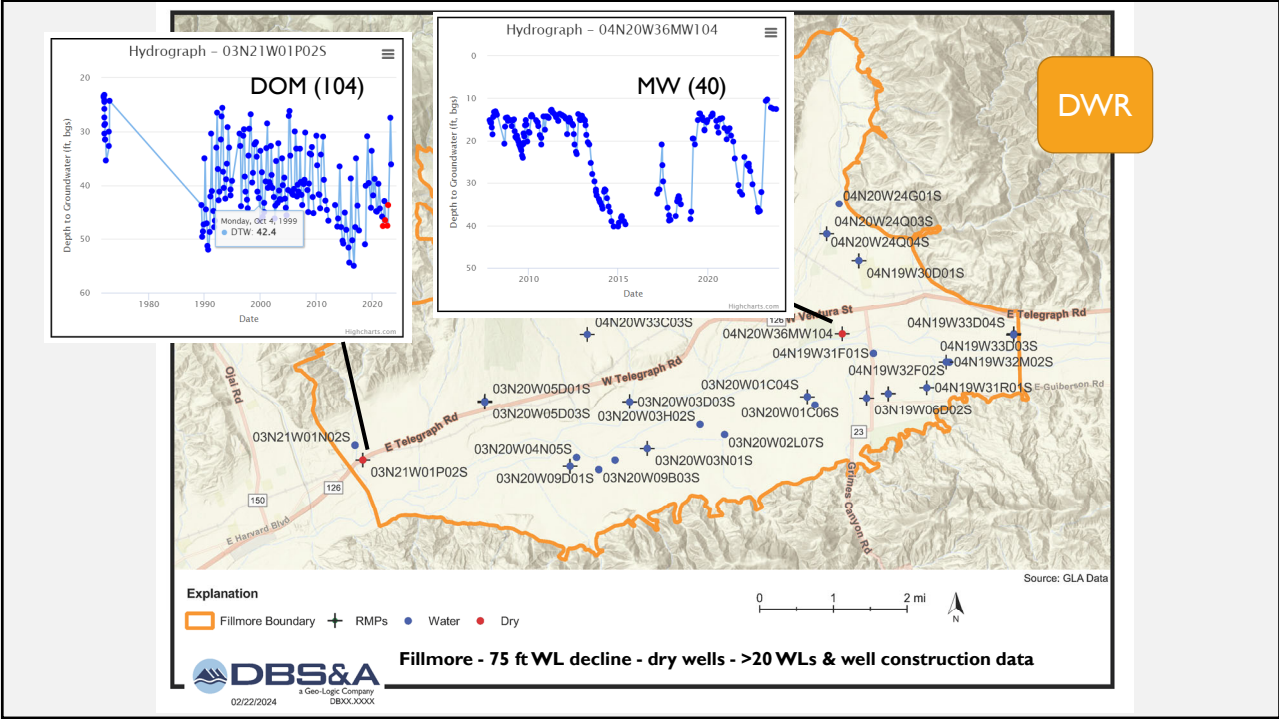
dry wells 3
% dry wells 11.5%

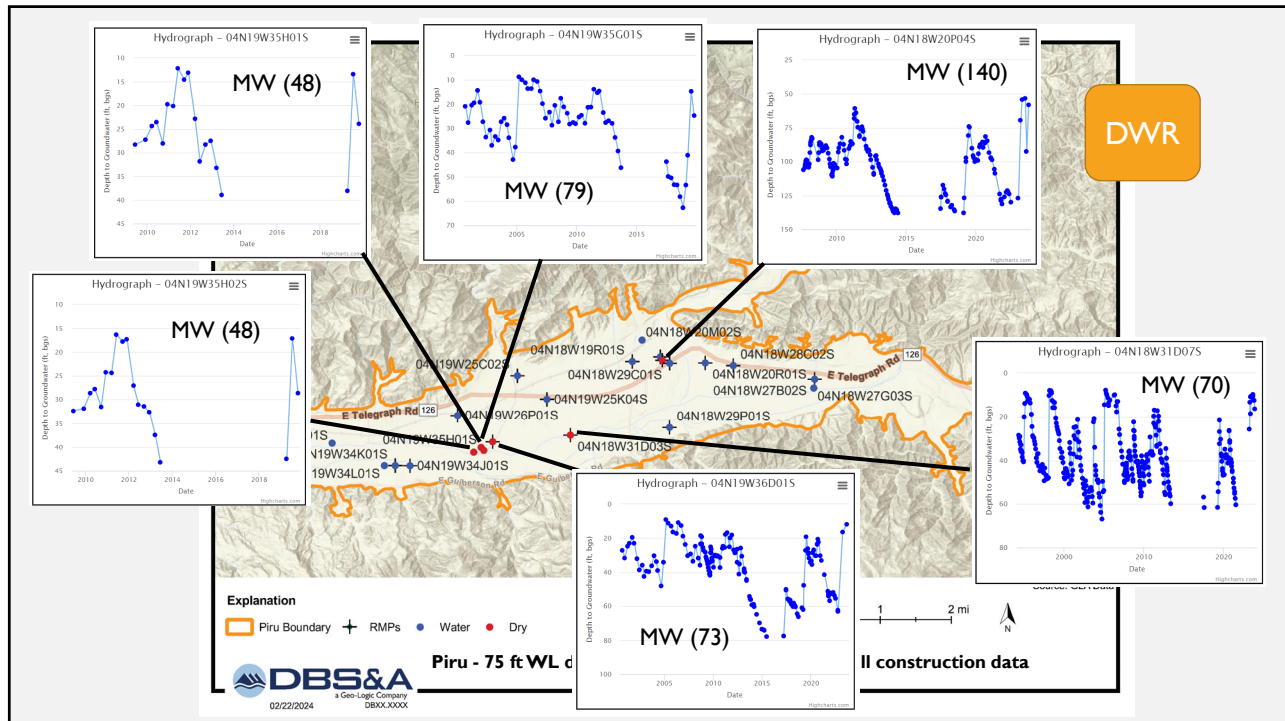
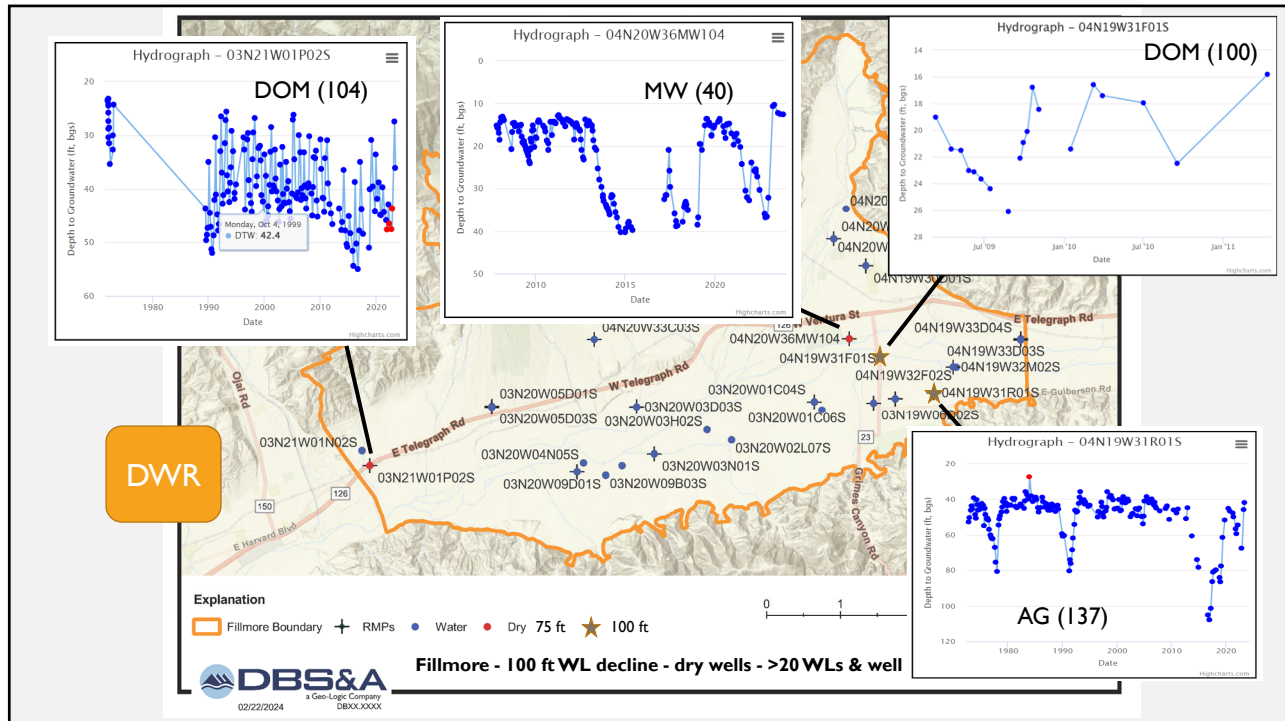
wells with WL below TOS 10
wells with WL below TOS but not dry 7

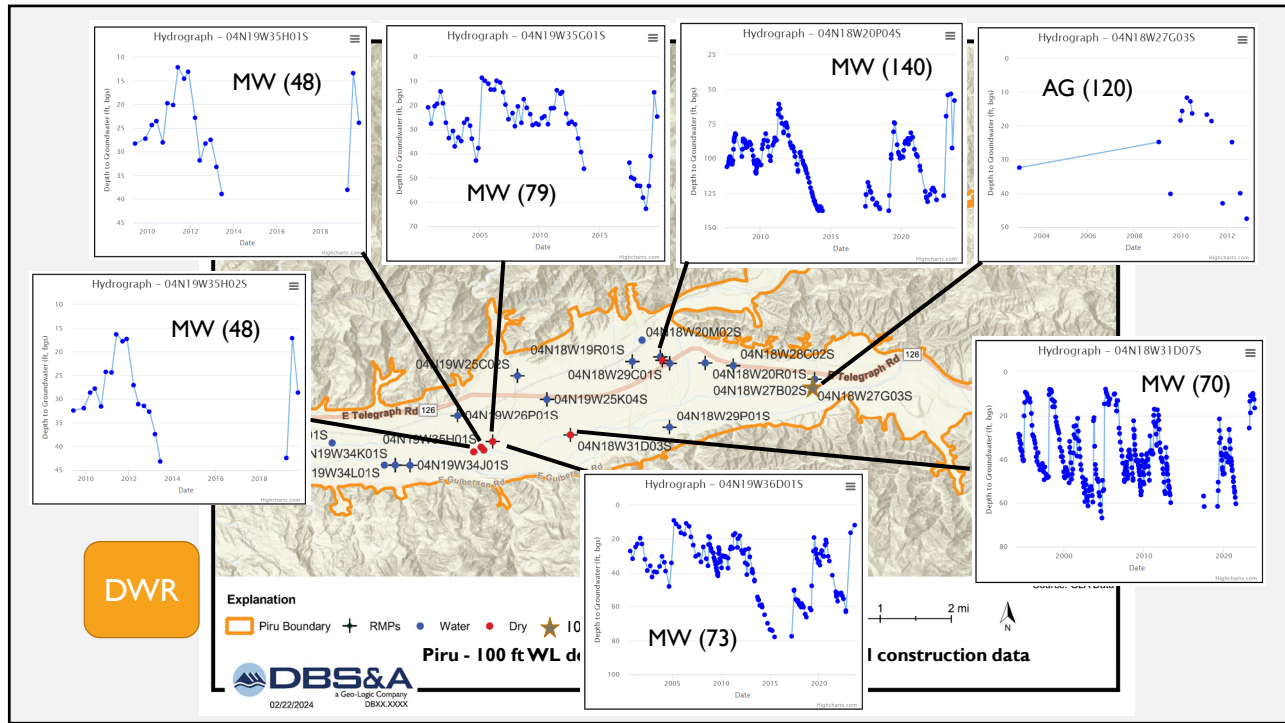
DEPTH TO WATER ⁽³⁾ - HYPOTHETICAL MT SUMMARY						
WL Decline ⁽⁴⁾	50 ft		75 ft		100ft	
	Dry Well ⁽¹⁾	WL>TOS ⁽²⁾	Dry Well	WL>TOS	Dry Well	WL>TOS
Fillmore	1 Well 1 MW (40) R	8 Wells	2 Wells 1 MW (40) R 1 DOM (104) R	12 Wells	4 Wells 1 MW (40) R 1 DOM (104) R 1 DOM (100) 1 AG (137) R	16 Wells
Piru	3 Wells 1 MW (70) 1 MW (48) 1 MW (48)	7 Wells	6 Wells 1 MW (70) 1 MW (48) 1 MW (48) 1 MW (140) 1 MW (79) 1 MW (73)	6 Wells	7 Wells 1 MW (70) 1 MW (48) 1 MW (48) 1 MW (140) 1 MW (79) 1 MW (73) 1 AG (120)	6 Wells

DWR

**(1) # of wells-well type-depth to bottom of screen (ft) (2) water level below Top of Screen but well is not dry
 (3) wells with >20 WL measurements AND well construction data available (4) from 2011 average WL**







DEPTH TO WATER (3) - HYPOTHETICAL MT SUMMARY						
WL Decline (4)	50 ft		75 ft		100ft	
	Dry Well(1)	WL>TOS(2)	Dry Well	WL>TOS	Dry Well	WL>TOS
Fillmore	No Wells 1 Well 1 MW (40) R	8 Wells	No Wells 2 Wells 1 MW (40) R 1 DOM (104) R	12 Wells	No Wells 4 Wells 1 MW (40) R 1 DOM (104) R 1 DOM (100) 1 AG (137) R	16 Wells
Piru	3 Wells 1 MW (70) 1 MW (48) 1 MW (48)	7 Wells	4 Wells 6 Wells 1 MW (70) 1 MW (48) 1 MW (48) 1 MW (140) 1 MW (79) 1 MW (73)	6 Wells	7 Wells 1 MW (70) 1 MW (48) 1 MW (48) 1 MW (140) 1 MW (79) 1 MW (73) 1 AG (120)	6 Wells

(1) # of wells-well type-depth to bottom of screen (ft) (2) water level below Top of Screen but well is not dry
 (3) wells with >20 WL measurements AND well construction data available (4) from 2011 average WL



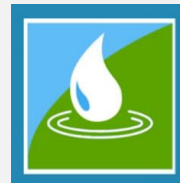
ACTIVITIES



Key Take Away Messages

- ✓ **Use existing information** - not required to do more GW modeling, for example, OR collect more field data
- ✓ **Not required** to restore pre-2015 conditions
- ✓ **Not responsible** for impacts from declining WLs associated with drought - only those from GW extractions particularly those resulting from implementation of the GSPs
- ✓ **Not responsible** for **Chronic Lowering of WL** MT exceedances due to drought conditions
- ✓ **DWR will not consider** the “likelihood of a water level decline” in their evaluation


NEXT STEPS



DWR comments on conceptual approach:

- ✓ *Expand the evaluation to include all wells*
 - Included all wells with well construction data
 - Contoured the 2011 average WLs across both basins to allow interpolation of WLs for wells w/o 2011 WL data
 - Tabulation of # of wells of each type (MUNI, IRRIG, COM, IND, etc.) that could possibly be impacted by a 50, 75, and 100 ft decline in WLs
 - **Not Impacted / Impacted / Severely Impacted / Dry**

NEXT STEPS



DWR comments on conceptual approach:

- ✓ Define why the MT WL was selected?
 - What is the goal of the MT? For example:

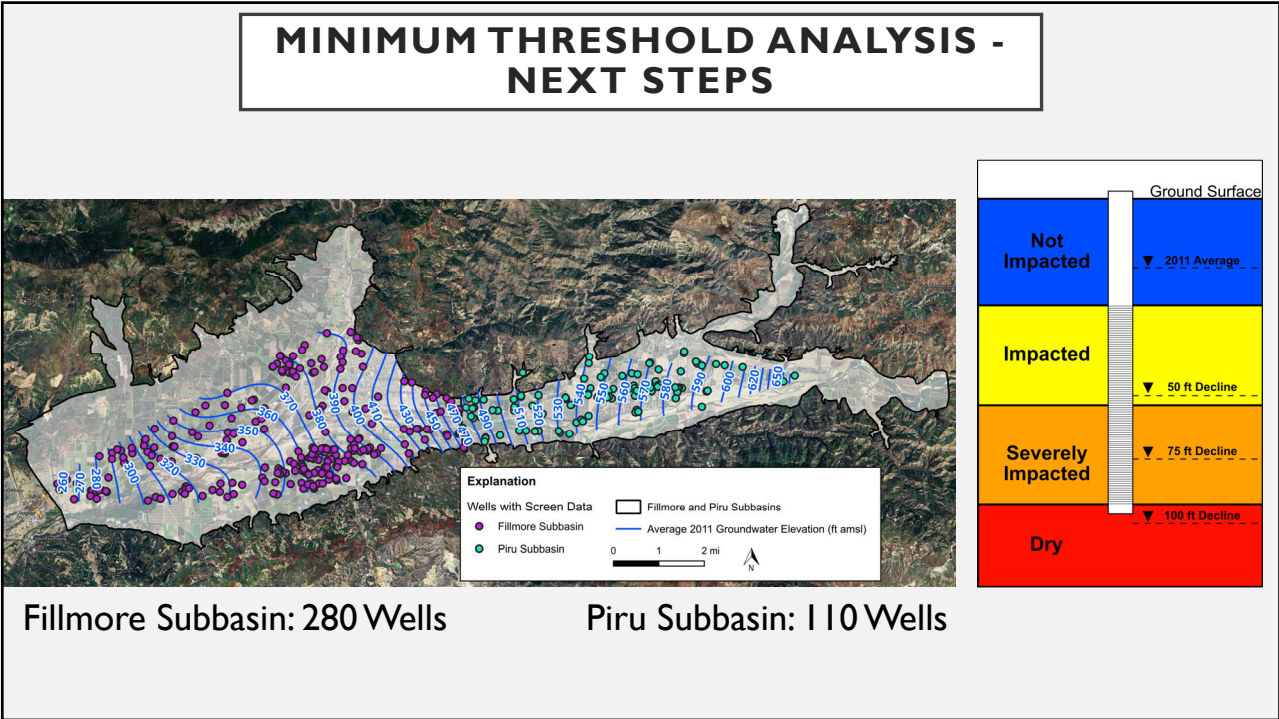
...Justify the MT...

Avoid wells going dry?

Which wells?

How many wells going dry is a significant and unreasonable impact?

How does the MT relate to other sustainability criteria?



SIMPLIFIED GANTT CHART



ACTIVITY	FEB	MAR	APR	MAY	JUN	JUL
Meetings with DWR staff; internal strategy development	█					
Chronic Lowering of WLs - MT to be revised		█				
SW-GW Interaction - MT to be revised			█			
DRAFT revised GSP available for comment - public workshop(s)?				█		
DRAFT FINAL GSPs adopted by GSA					█	
Revised text to DWR NLT 16 July 2024						█★

QUESTIONS ?





Special Board of Directors Meeting

Thursday, April 4, 2024, at 4:00p.m.

MINUTES

Directors in Attendance

Director Carole Fornoff (virtual)

Director Debbie Jackson

Director Gordon Kimball

Director Candice Meneghin

Director Albert Mendez

Director Absent

Director Kelly Long

Staff in Attendance

Anthony Emmert, executive director

Steve O'Neill, legal counsel

Eva Ibarra, clerk of the board

Public in Attendance

Brian Bondy, Mound Basin GSA

Tony Morgan, DBS&A

Patrick O'Connell, UWCD

Zachary Plummer, UWCD

Gus Tolley, DBS&A (virtual)

Brian Zahn, UWCD (virtual)

1. CALL TO ORDER 4:01 p.m.

Director Kimball called the meeting to order at 4:01 p.m.

1A Pledge of Allegiance

Director Kimball led everyone in reciting the Pledge of Allegiance.

1B Directors Roll Call

The Clerk called the roll. 5 Directors were present: Fornoff, Jackson, Kimball, Mendez, and Meneghin. Director Long was absent. 5/0/01.

1C Public Comments

Director Kimball asked if there were any comments or questions from the public. None were offered.

1D Approval of Agenda

Motion

Director Kimball asked Executive Director Emmert if there were any changes to the agenda. Mr. Emmert responded that there had been no changes to the agenda. Director Kimball then asked for a motion.

Motion to approve the agenda, Director Mendez; Second, Director Jackson. Voice vote: 5 ayes (Fornoff, Jackson, Kimball, Meneghin, and Mendez), none opposed. Motion carries unanimously 5/0/01.

2. MOTION ITEMS

2A Amendment of Groundwater Sustainability Plans

Motion

The Board received a presentation from Daniel B. Stephens and Associates and staff summarizing the Agency's progress toward addressing the findings, comments and recommendations received from the California Department of Water Resources regarding the Agency's Fillmore Basin Groundwater Management Plan and Piru Basin Groundwater Management Plan and provided comments and direction. All Board directors were supportive of the proposed water level MT's and unreasonable impacts to be avoided, presented.

6. ADJOURNMENT 5:43 pm.

Director Kimball adjourned the meeting at 5:43 p.m. to the next **Regular Board Meeting** on Thursday, **April 18, 2024**, or call of the Chair.

I certify that the above is a true and correct copy of the minutes of the Special Fillmore and Piru Basins Groundwater Sustainability Agency's Board of Directors meeting of April 4, 2024.

ATTEST: _____
Gordon Kimball, Vice Chair, FPBGSA Board of Directors

ATTEST: _____
Eva Ibarra, Clerk of the Board

Fillmore and Piru Basins, GSA

Check Detail Report

April 2024

ACCOUNT	TRANSACTION ID	DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	CLEARED	AMOUNT
Bank of the Sierra								
	18305							
Bank of the Sierra	18305	04/09/2024	Bill Payment (Check)	11217	Rogers, Anderson, Malody & Scott, LLP	--	Uncleared	-\$300.00
Bank of the Sierra	18305	04/09/2024	Bill Payment (Check)	11217	Rogers, Anderson, Malody & Scott, LLP	--	--	-\$300.00
	18306							
Bank of the Sierra	18306	04/09/2024	Bill Payment (Check)	11218	Aleshire & Wynder LLP	--	Uncleared	-\$2,320.00
Bank of the Sierra	18306	04/09/2024	Bill Payment (Check)	11218	Aleshire & Wynder LLP	--	--	-\$2,320.00
	18307							
Bank of the Sierra	18307	04/09/2024	Bill Payment (Check)	11219	Daniel B Stephens & Associates, Inc.	--	Uncleared	-\$23,821.75
Bank of the Sierra	18307	04/09/2024	Bill Payment (Check)	11219	Daniel B Stephens & Associates, Inc.	--	--	-\$23,821.75



Item No. **2C Consent Calendar**

DATE: April 9, 2024 (for April 18, 2024 meeting)

TO: Board of Directors

SUBJECT: **Monthly Financial Report**

SUMMARY

The Board will receive the monthly financial report for the Fillmore and Piru Basins Groundwater Sustainability Agency (Agency).

BACKGROUND

United Water Conservation District accounting staff has prepared financial reports based on the Agency revenue and expenses for the month of March 2024.

FISCAL IMPACT

None

Attachments: March 31, 2024, Profit and Loss Budget Performance
 March 31, 2024, Balance Sheet

Fillmore and Piru Basins, GSA

Budget vs. Actuals: FY_2023_2024 - FY24 P&L

July 2023 - March 2024

	JUL - SEP, 2023		OCT - DEC, 2023		JAN - MAR, 2024		TOTAL	
	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET
Income								
40001 Groundwater Extraction Charge	-165.60	0.00	-4,050.48	0.00	330,488.81	319,268.46	\$326,272.73	\$319,268.46
41000 Grant Revenue							\$0.00	\$0.00
41001 State Grants		23,750.00		23,750.00		23,750.00	\$0.00	\$71,250.00
Total 41000 Grant Revenue		23,750.00		23,750.00		23,750.00	\$0.00	\$71,250.00
47000 Other Revenue								
47000 Other Revenue							\$0.00	\$0.00
47001 Late Fees	10,968.50	0.00	5,128.81	0.00	915.07	0.00	\$17,012.38	\$0.00
47012 Returned Check Charges		0.00		0.00		0.00	\$0.00	\$0.00
Total 47000 Other Revenue	10,968.50	0.00	5,128.81	0.00	915.07	0.00	\$17,012.38	\$0.00
Total Income	\$10,802.90	\$23,750.00	\$1,078.33	\$23,750.00	\$331,403.88	\$343,018.46	\$343,285.11	\$390,518.46
GROSS PROFIT	\$10,802.90	\$23,750.00	\$1,078.33	\$23,750.00	\$331,403.88	\$343,018.46	\$343,285.11	\$390,518.46
Expenses								
52200 Professional Services	0.00						\$0.00	\$0.00
52240 Prof Svcs - IT Consulting		446.25	628.50	446.25	628.50	446.25	\$1,257.00	\$1,338.75
52250 Prof Svcs - Groundwtr/GSP Prep							\$0.00	\$0.00
52251 Prof Svcs - UWCD GW Services		9,999.99		9,999.99	3,673.57	9,999.99	\$3,673.57	\$29,999.97
52252 Prof Svcs - GSP Consultant	6,092.50	123,750.00	26,648.75	123,750.00	56,348.50	123,750.00	\$89,089.75	\$371,250.00
Total 52250 Prof Svcs - Groundwtr/GSP Prep	6,092.50	133,749.99	26,648.75	133,749.99	60,022.07	133,749.99	\$92,763.32	\$401,249.97
52270 Prof Svcs - Accounting		6,352.50	7,365.00	6,352.50	17,392.58	6,352.50	\$24,757.58	\$19,057.50
52275 Prof Svcs - Admin/Clerk of Bd		6,562.50		6,562.50	5,184.98	6,562.50	\$5,184.98	\$19,687.50
52280 Prof Svcs - Executive Director		14,472.21		14,472.21	15,786.69	14,472.21	\$15,786.69	\$43,416.63
52290 Prof Svcs - Other		5,250.00		5,250.00	342.12	5,250.00	\$342.12	\$15,750.00
Total 52200 Professional Services	6,092.50	166,833.45	34,642.25	166,833.45	99,356.94	166,833.45	\$140,091.69	\$500,500.35
52500 Legal Fees								
52500 Legal Fees							\$0.00	\$0.00
52501 Legal Counsel	3,181.23	9,999.99	1,519.30	9,999.99	8,312.30	9,999.99	\$13,012.83	\$29,999.97
Total 52500 Legal Fees	3,181.23	9,999.99	1,519.30	9,999.99	8,312.30	9,999.99	\$13,012.83	\$29,999.97
53000 Office Expenses								
53000 Office Expenses		500.01		500.01		500.01	\$0.00	\$1,500.03
53010 Public Information		249.99		249.99	230.60	249.99	\$230.60	\$749.97
53020 Office Supplies		249.99		249.99	221.57	249.99	\$221.57	\$749.97
53026 Postage & Mailing		249.99		249.99	734.65	249.99	\$734.65	\$749.97
53060 Computer Software					1,080.00		\$1,080.00	\$0.00
53110 Travel & Training		500.01		500.01	120.08	500.01	\$120.08	\$1,500.03
Total 53000 Office Expenses		1,749.99		1,749.99	2,386.90	1,749.99	\$2,386.90	\$5,249.97
53500 Insurance								
53500 Insurance							\$0.00	\$0.00
53510 Liability Insurance		0.00	2,462.42	2,625.00		0.00	\$2,462.42	\$2,625.00
Total 53500 Insurance		0.00	2,462.42	2,625.00		0.00	\$2,462.42	\$2,625.00
70130 Bank Service Charges	135.00	0.00	135.00	0.00	135.00	0.00	\$405.00	\$0.00
80000 AR Write-Offs - Bad Debt Exp.			1.47				\$1.47	\$0.00
Total Expenses	\$9,408.73	\$178,583.43	\$38,760.44	\$181,208.43	\$110,191.14	\$178,583.43	\$158,360.31	\$538,375.29
NET OPERATING INCOME	\$1,394.17	\$ -154,833.43	\$ -37,682.11	\$ -157,458.43	\$221,212.74	\$164,435.03	\$184,924.80	\$ -147,856.83
Other Expenses								
Depreciation					858.33		\$858.33	\$0.00
Total Other Expenses	\$0.00	\$0.00	\$0.00	\$0.00	\$858.33	\$0.00	\$858.33	\$0.00
NET OTHER INCOME	\$0.00	\$0.00	\$0.00	\$0.00	\$ -858.33	\$0.00	\$ -858.33	\$0.00
NET INCOME	\$1,394.17	\$ -154,833.43	\$ -37,682.11	\$ -157,458.43	\$220,354.41	\$164,435.03	\$184,066.47	\$ -147,856.83

Fillmore and Piru Basins, GSA

Balance Sheet

As of March 31, 2024

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
10000 Bank of the Sierra	1,117,813.82
Total Bank Accounts	\$1,117,813.82
Accounts Receivable	
11000 Accounts Receivable	622,285.87
Total Accounts Receivable	\$622,285.87
Other Current Assets	
12000 Undeposited Funds	0.00
12900 Clearing Account	0.00
Total Other Current Assets	\$0.00
Total Current Assets	\$1,740,099.69
Fixed Assets	
Fillmore Piru Monitoring Wells (4 Wells)	515,000.00
Accumulated Depreciation - Monitoring Wells (4 Wells)	-858.33
Total Fillmore Piru Monitoring Wells (4 Wells)	514,141.67
Total Fixed Assets	\$514,141.67
TOTAL ASSETS	\$2,254,241.36
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 Accounts Payable	26,441.75
Total Accounts Payable	\$26,441.75
Other Current Liabilities	
20001 Advance from County of Ventura	0.00
California Department of Tax and Fee Administration Payable	0.00
Out Of Scope Agency Payable	0.00
Total Other Current Liabilities	\$0.00
Total Current Liabilities	\$26,441.75
Total Liabilities	\$26,441.75
Equity	
30000 Opening Balance Equity	515,000.00
32000 Retained Earnings	1,528,733.14
Net Income	184,066.47
Total Equity	\$2,227,799.61
TOTAL LIABILITIES AND EQUITY	\$2,254,241.36

Arianna Escobar

From: Kim McCalister <kmccalister@fillmoreca.gov>
Sent: Tuesday, March 26, 2024 10:00 AM
To: Arianna Escobar
Subject: RE: Statement from Fillmore and Piru Basins, GSA

Categories: Check back

Proceed with caution. This email originated from outside the District.

Hi Arianna,

I would like to request that all finance charges be waived as we did not receive these invoices and all original invoices were paid.

If there is anything further needed from me, please let me know.

I look forward to hearing from you on this request.

Kim McCalister

City of Fillmore
250 Central Ave.
Fillmore, CA 93015
Office (805)524-1500 ext. 126
Mon-Thurs. 8:00am to 4:00pm
Open every other Friday



From: Arianna Escobar <AriannaE@unitedwater.org>
Sent: Monday, March 25, 2024 4:06 PM
To: Kim McCalister <kmccalister@fillmoreca.gov>
Cc: Accounts Payable <AP@ci.fillmore.ca.us>
Subject: RE: Statement from Fillmore and Piru Basins, GSA

CAUTION - EXTERNAL SENDER: If this email looks suspicious, Do not click on any links or open attachments. When in doubt, call the sender to confirm authenticity.

Hello,

Thank you for providing updated information. I have updated all accounts for any future invoices that are emailed out. Attached are the outstanding invoices for each account in case they have not been received as well. I've also mailed out hard copies last week. Let me know if anything else is needed!

Have a good day,

Arianna Escobar | Accountant
Main: (805) 525-4431 Direct: (805) 219-6694



From: Kim McCalister <kmccalister@fillmoreca.gov>
Sent: Friday, March 22, 2024 1:38 PM
To: Arianna Escobar <AriannaE@unitedwater.org>
Subject: FW: Statement from Fillmore and Piru Basins, GSA

Proceed with caution. This email originated from outside the District.

Hello,

Can you please make sure all invoices go to ap@fillmoreca.gov? Also, there are several invoices going back to 2021/2022, can you please send each of those to me?

Thank you,

Kim McCalister
City of Fillmore
250 Central Ave.
Fillmore, CA 93015
Office (805)524-1500 ext. 126
Mon-Thurs. 8:00am to 4:00pm
Open every other Friday



From: Jacob Coffman <j_coffman@fillmoreca.gov>
Sent: Friday, March 22, 2024 8:51 AM
To: Kim McCalister <kmccalister@fillmoreca.gov>
Subject: Fwd: Statement from Fillmore and Piru Basins, GSA

Jacob M. Coffman
Public Works Supervisor
250 Central Ave.
Fillmore, CA 93015
Phone: (805)328-1397
jcoffman@fillmoreca.gov

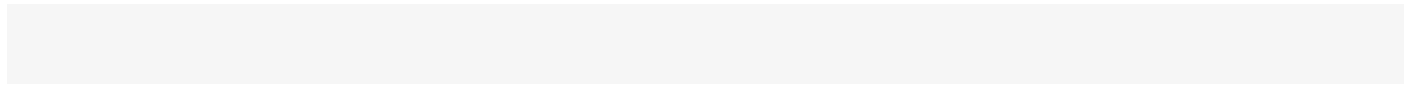
From: Fillmore and Piru Basins, GSA <quickbooks@notification.intuit.com>
Sent: Thursday, March 21, 2024 4:23:54 PM
To: Jacob Coffman <j_coffman@fillmoreca.gov>
Cc: ariannae@unitedwater.org <ariannae@unitedwater.org>
Subject: Statement from Fillmore and Piru Basins, GSA

CAUTION - EXTERNAL SENDER: If this email looks suspicious, Do not click on any links or open attachments. When in doubt, call the sender to confirm authenticity.

Dear 200-00787-01,

Your statement is attached. Please remit payment at your earliest convenience.
Thank you for your business - we appreciate it very much.

Have a great day!
Fillmore and Piru Basins, GSA



..... Statement

P.O. Box 1110
Fillmore, CA 93016 US
(805) 219-6694_
www.fpbgsa.org

Statement #: 2253
Date: 03/21/2024

To:
FILLMORE, CITY OF
ACCOUNTS PAYABLE
250 CENTRAL AVE
FILLMORE, CA 93015-1907

Date	Description	Amount	Open Amount
05/31/2021	Invoice #FC 2065: Due 05/31/2021. Finance Charge	16.96	16.96
06/30/2021	Invoice #FC 2167: Due 06/30/2021. Finance Charge	5.65	5.65
11/30/2021	Invoice #FC 2399: Due 11/30/2021. Finance Charge	765.61	765.61
12/31/2021	Invoice #FC 2746: Due 12/31/2021. Finance Charge	33.91	33.91
05/31/2022	Invoice #FC 2911: Due 05/31/2022. Finance Charge	1,284.04	1,284.04
10/31/2022	Invoice #FC 3223: Due 10/31/2022. Finance Charge	913.44	913.44
03/21/2024	Invoice #15443: Due 04/21/2024.	8,260.92	8,260.92

Current Due	1-30 Days	31-60 Days	61-90 Days	90+ Days	Amount Due
\$8,260.92	\$0.00	\$0.00	\$0.00	\$3,019.61	\$11,280.53

▪ This message was scanned by Microsoft.
This message was scanned by Microsoft.

Request date **4/1/2024**

Account Number	Invoice No.	Well Number	Bill To	Late Fee
200-00787-01	FC 2399	04N20W24Q04S	FILLMORE, CITY OF	\$ 765.61
200-00787-01	FC 2911	04N20W24Q04S	FILLMORE, CITY OF	\$ 1,284.04
200-00787-01	FC 3223	04N20W24Q04S	FILLMORE, CITY OF	\$ 913.44
Total				2,963.09



BILL TO

INVOICE #
DATE
DUE DATE

WELL NO.



\$1,284.04



BILL TO

INVOICE #
DATE
DUE DATE

WELL NO.

\$913.44



BILL TO

INVOICE #
DATE
DUE DATE
TERMS

SHIP DATE

WELL NO.

PAID

\$0.00



BILL TO

INVOICE #
DATE
DUE DATE
TERMS

SHIP DATE

WELL NO.



PAID

\$0.00



BILL TO

INVOICE #
DATE
DUE DATE
TERMS

SHIP DATE

WELL NO.



PAID

\$0.00



BILL TO

INVOICE #
DATE
DUE DATE
TERMS

SHIP DATE

WELL NO.



PAID

\$0.00



Item No. **3B Motion**

DATE: April 13, 2024 (for April 18, 2024, meeting)

TO: Board of Directors

FROM: Anthony A. Emmert, Executive Director

SUBJECT: **Amendment of Groundwater Sustainability Plans**

RECOMMENDED ACTION

The Board will receive a presentation from Daniel B. Stephens and Associates and staff summarizing the Agency’s progress toward addressing the findings, comments and recommendations received from the California Department of Water Resources regarding the Agency’s Fillmore Basin Groundwater Sustainability Plan and Piru Basin Groundwater Sustainability Plan and provide comments and direction.

DISCUSSION

On December 18, 2021, the Fillmore and Piru Basins Groundwater Sustainability Agency (Agency) adopted groundwater sustainability plans (GSPs) for the Fillmore subbasin and Piru subbasin, and subsequently submitted them to the California Department of Water Resources (DWR) for review and approval, as per the Sustainable Groundwater Management Act (SGMA). On January 18, 2024, the DWR transmitted its findings and recommendations to the Agency. DWR determined that the two GSPs were incomplete, pursuant to Section 355.2(e)(2) of the GSP regulations. The two areas the DWR determined to be deficient were: 1) sustainable groundwater management criteria (undesirable results, minimum thresholds, and effects) associated with groundwater levels, and 2) must set preliminary sustainable management criteria for depletions of interconnected surface water associated with groundwater use. The Agency has 180 days to address the deficiencies and resubmit the GSPs to DWR, no later than July 16, 2024.

Agency staff has been coordinating with DWR SGMA staff on an ongoing basis. Five technical consultation meetings have been held, and a sixth is scheduled for April 26, 2024. Subject matter to date has been developing a better description of the undesirable results, significant and unreasonable impacts, and potential Agency actions to address the impacts.

Regarding lowered water levels, specifically: 1) chronic lowering of water levels, and 2) reduction of groundwater storage; proposed revised significant and unreasonable impacts to be avoided regarding water levels:

- 1) decreased ability of wells to supply the water demand of all groundwater uses and users, and
- 2) reduction of groundwater storage values to less than five times the average annual groundwater extractions for the basin.

This would be accomplished by avoiding wells (domestic, municipal, and irrigation) going dry due to groundwater extractions. Monitoring wells do not satisfy water demands, so a monitoring well going dry would not be a significant and unreasonable impact. Utilizing this methodology, the Agency team

recommended setting a minimum threshold of 50 feet below 2011 average water level elevation for the Fillmore subbasin and 75 feet below 2011 average water level elevation for the Piru subbasin. These levels would allow the Agency to act before significant and unreasonable impacts occurred. During its meeting of April 4, 2024, the Board concurred with staff's recommendation. Additionally, staff recommends that the Agency create a dry domestic well mitigation plan that could be implemented if the minimum thresholds are reached.

Proposed revised significant and unreasonable impacts to be avoided regarding interconnected surface and groundwater are:

1. Decline in groundwater levels to the degree that the basins cannot refill during wet years, leading to a decline in interconnected surface water and groundwater extent and magnitude.
2. In important groundwater dependent ecosystem areas, decline in shallow groundwater levels below the rooting zone of vegetation, causing widespread mortality, a loss of seed source for regeneration in wetter periods, and incursion of invasive plants.
3. Increase in the frequency and duration of negative impacts to listed groundwater dependent ecosystem species that depend upon the vegetated areas.
4. Increase in the frequency and duration of negative impacts to migration of listed fish species.
5. Increase in the frequency and duration of negative impacts to downstream surface water diverters.

The Agency's consultant and staff team proposes setting a minimum threshold for interconnected surface water and groundwater at 10 feet below the 2011 average level or pre-2015 minimum water level, whichever is higher in elevation, for the groundwater dependent ecosystem areas. The consultant and staff team will present further options for the Board to consider.

FISCAL IMPACT

The Agency's Fiscal Year 2023-2024 Budget includes sufficient funds to amend its GSPs.

ATTACHMENTS

Presentation from April 5 and April 12, 2024, Consultation Meetings with DWR

Proposed Motion:

Provide comments and direction to staff regarding amendment of the groundwater sustainability plans.

1st: Director _____

2nd: Director _____

Voice/Roll call vote:

Director Fornoff:

Director Jackson:

Director Kimball:

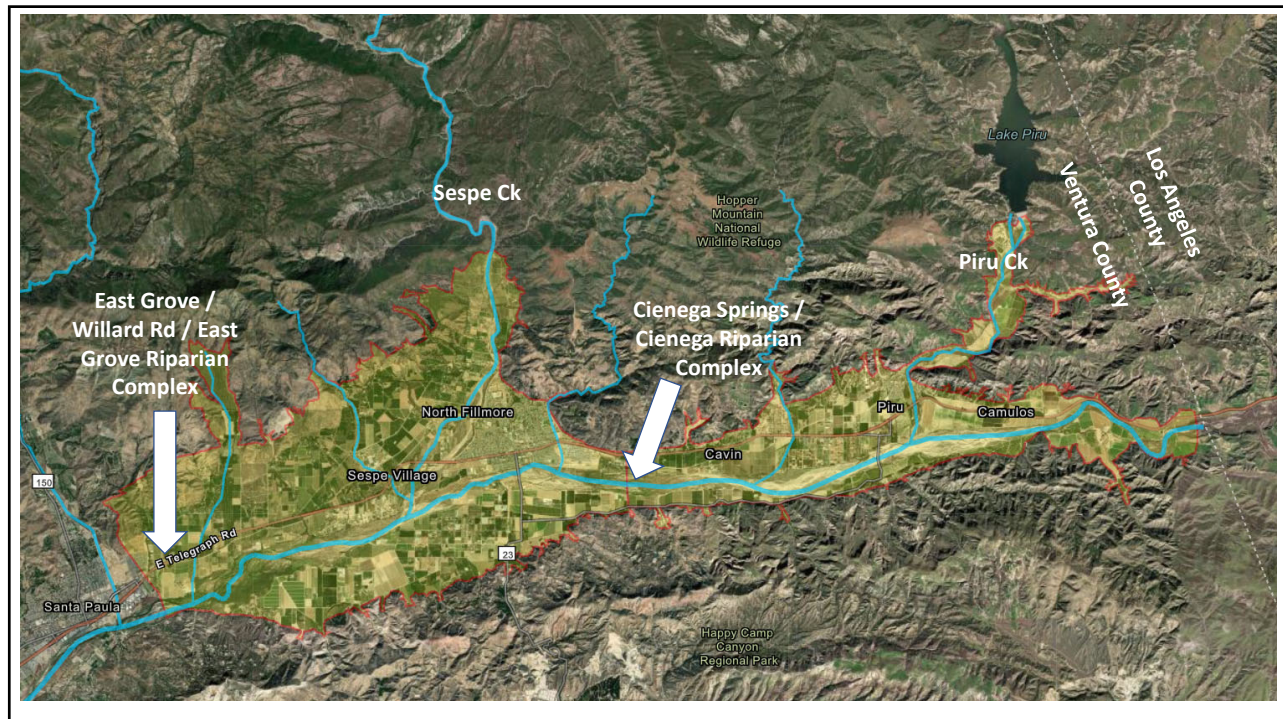
Director Long:

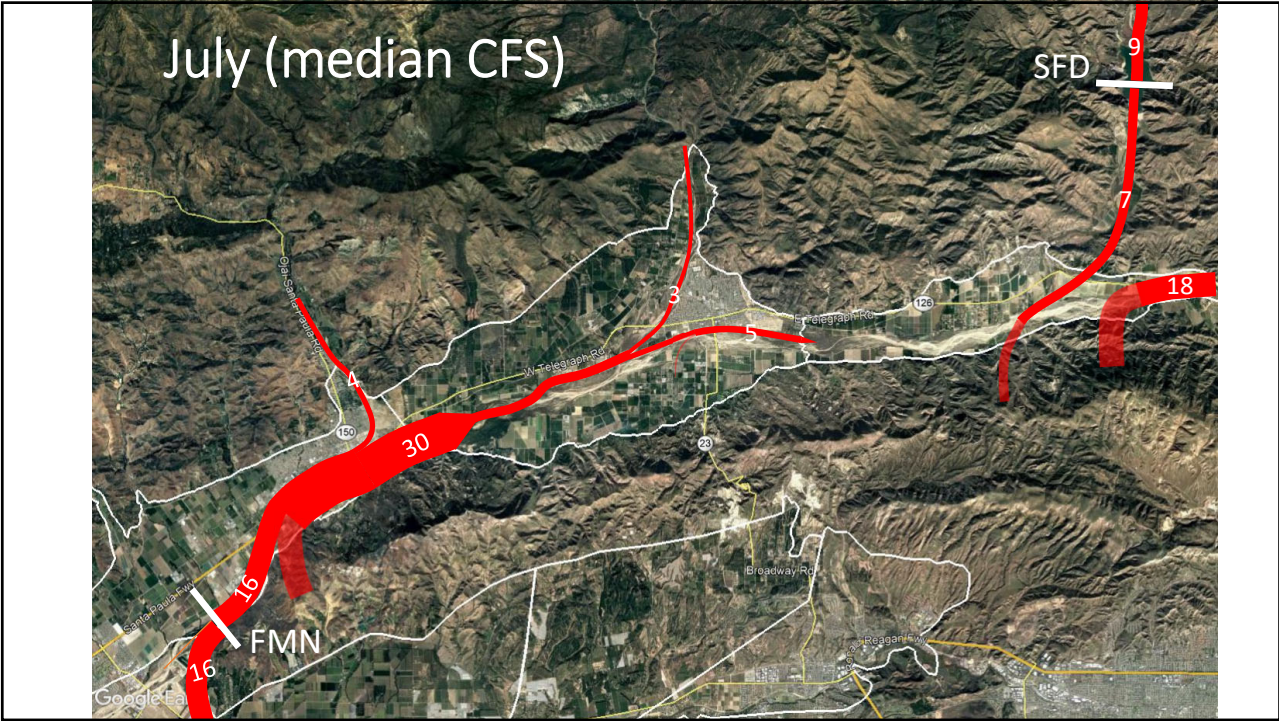
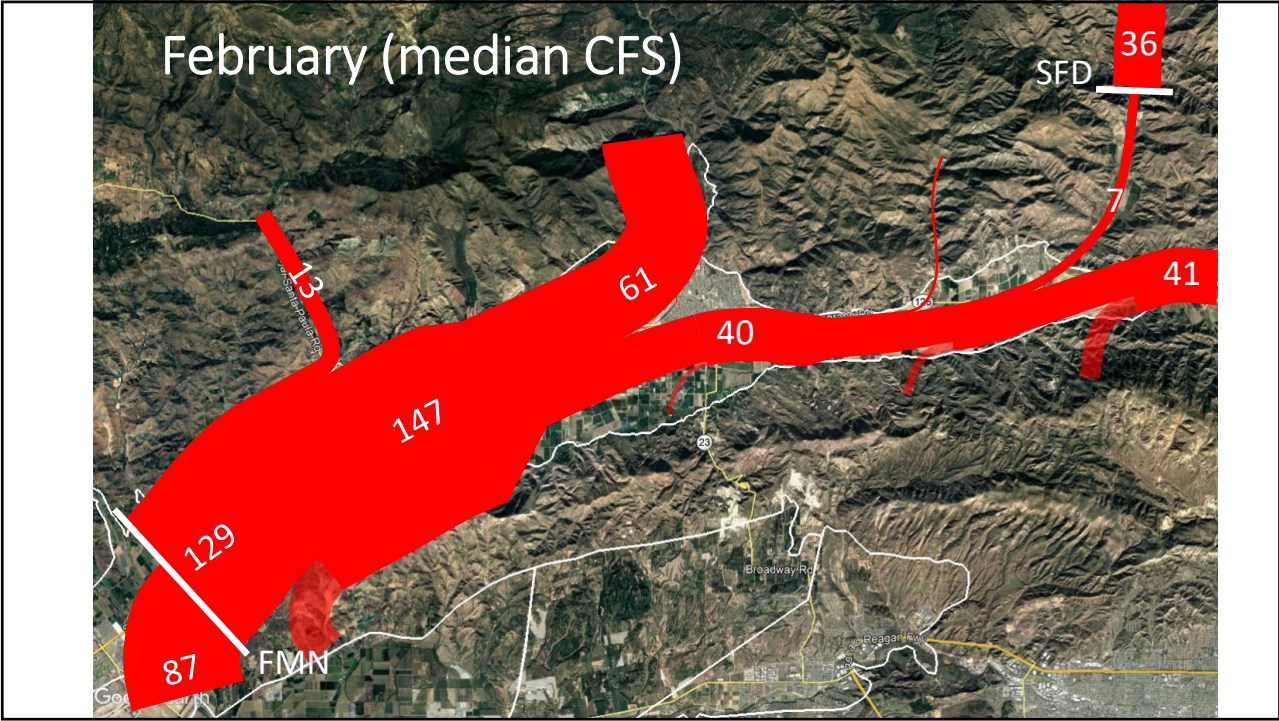
Director Mendez:

Director Meneghin:

Fillmore and Piru Subbasins

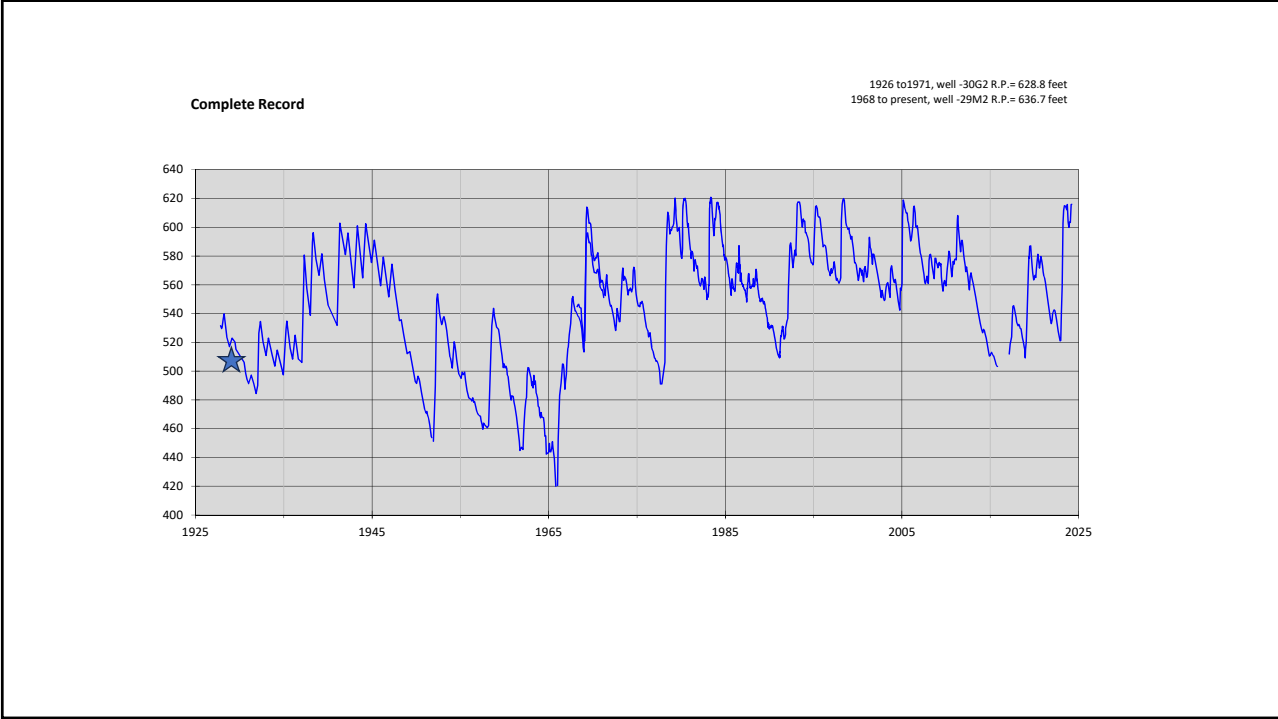
- Lack of MT for depletions of interconnected SW due to GW extractions?
- How would steelhead be impacted by depletions?
- Lack consideration of beneficial use of SW for fish migration?
- What are impacts to wetland habitats?
- What are impacts to surface water diversions by water rights holders?
- What are impacts to downstream subbasins in dry periods due to GW extractions?

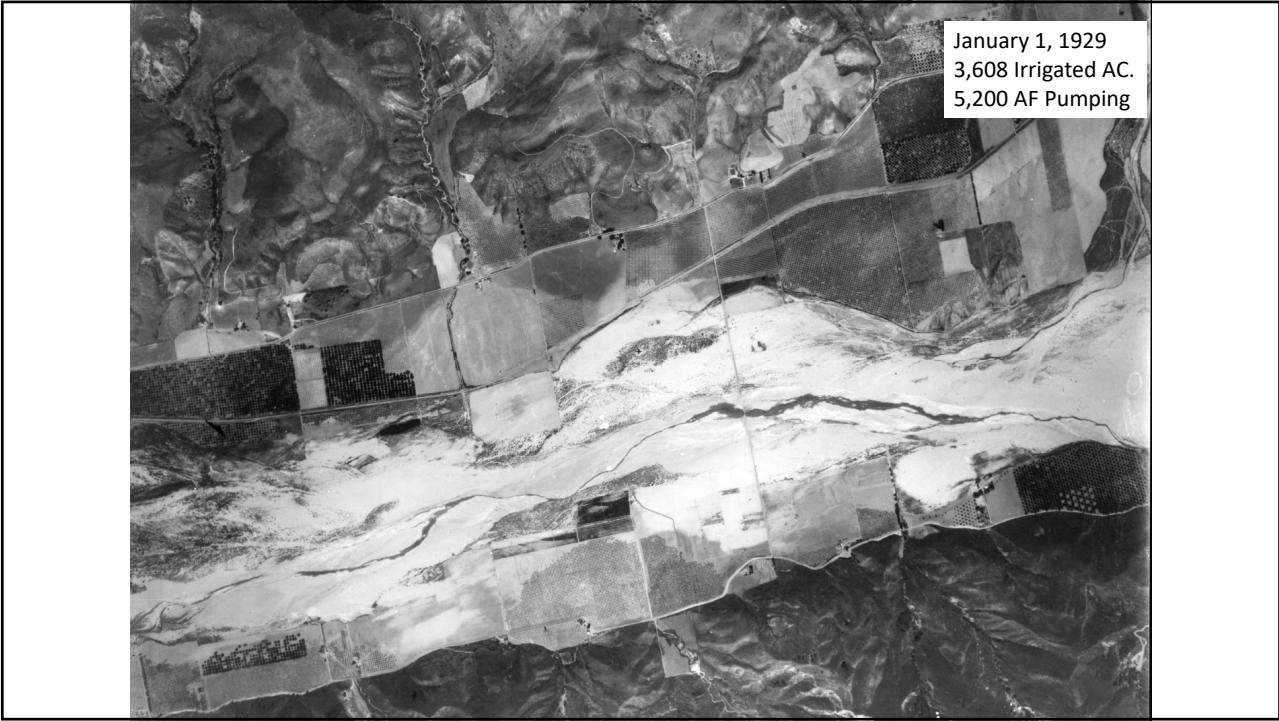


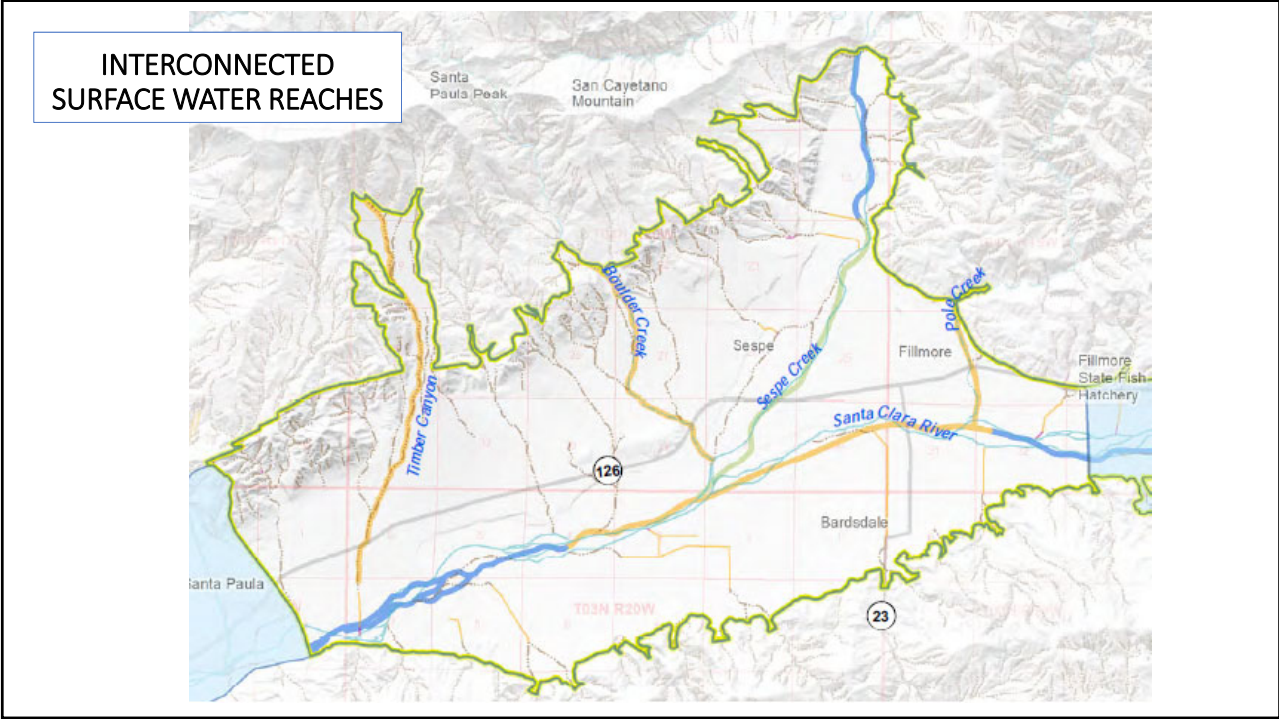
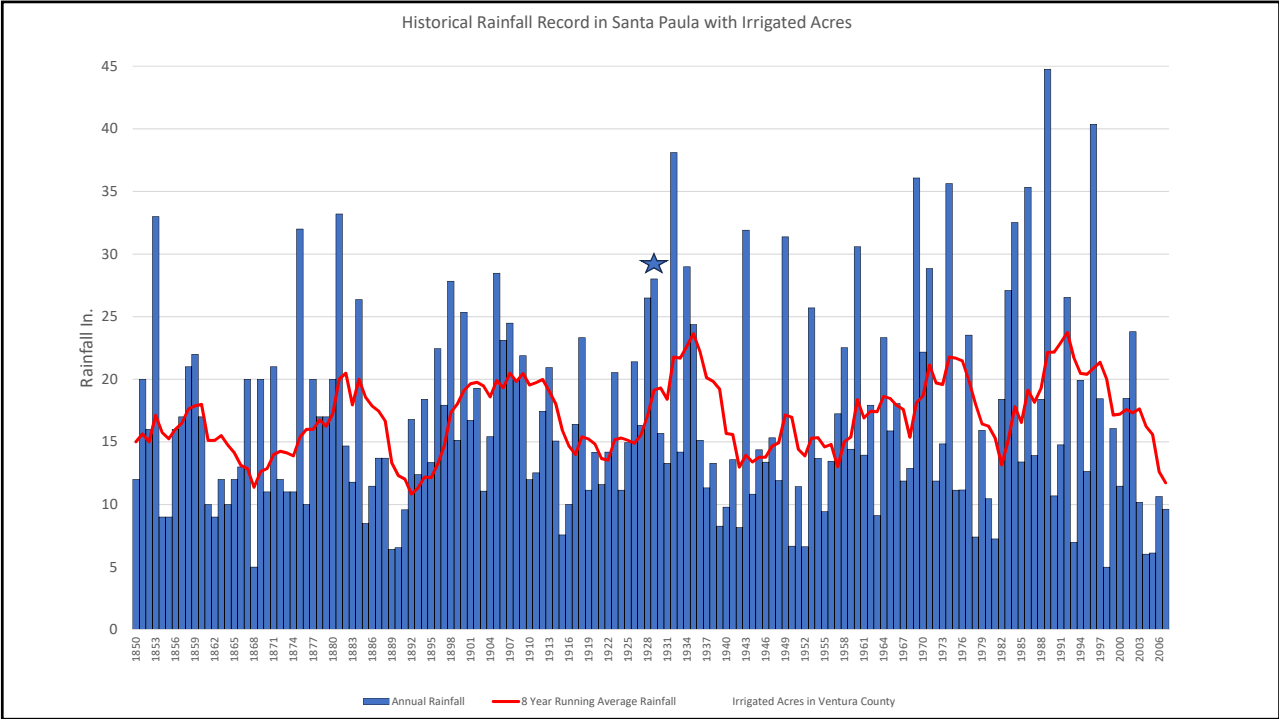


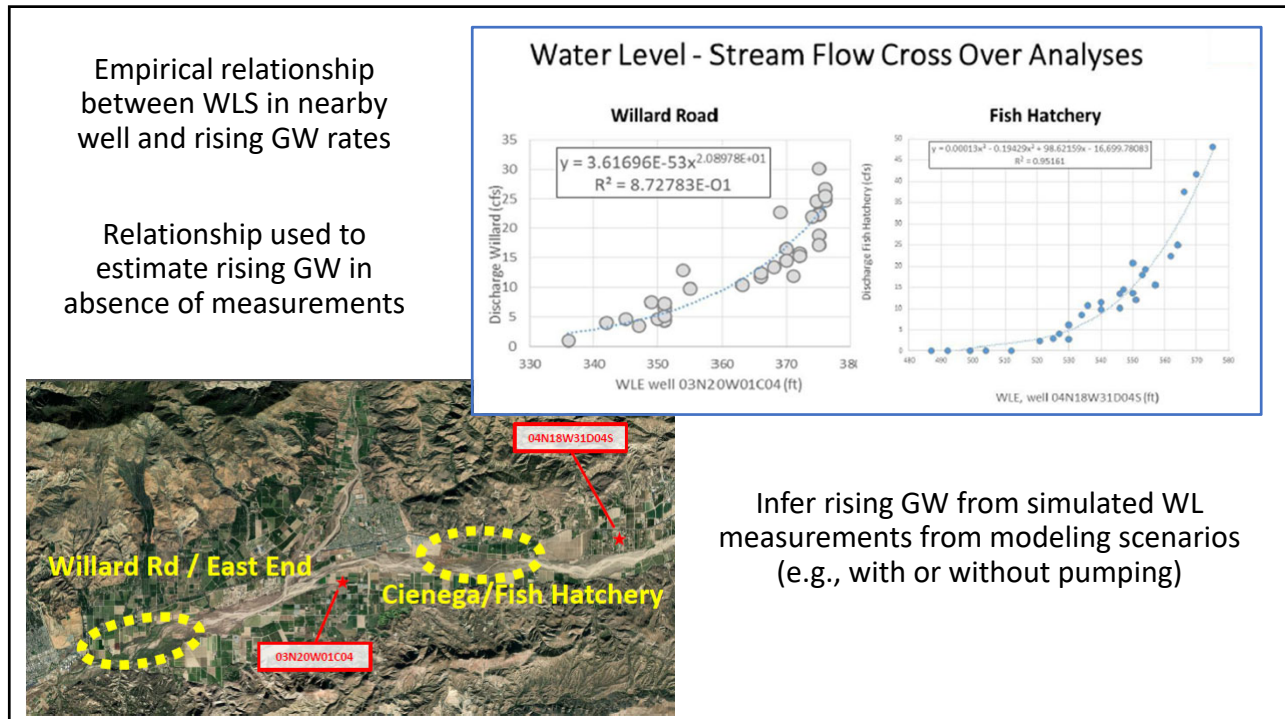
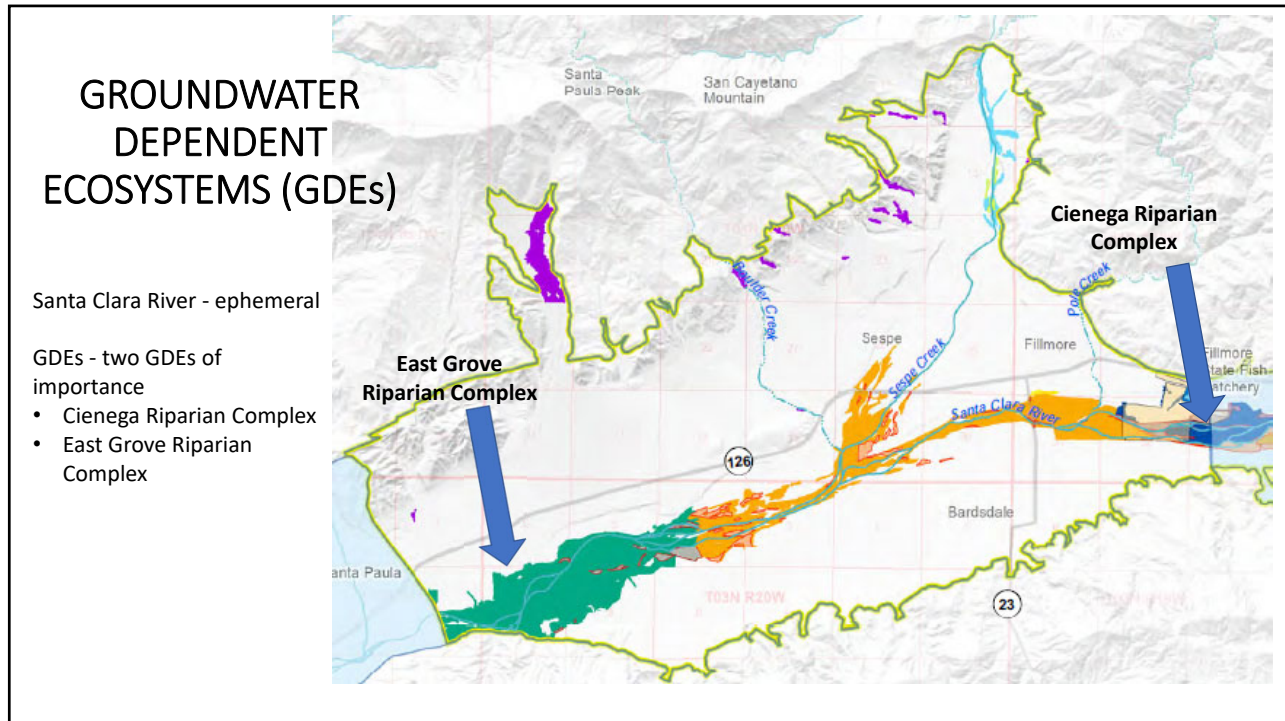
Crespi and Portola Expedition:

After accompanying us with a good-sized flow of running water all during yesterday's march, the stream, shortly after we set out today, stopped flowing amid the great amounts of sand in the bed of this stream, seemingly sinking into its many sands; the bed is plainly over a hundred yards in width in spots, and must be a very full-flowing river at some seasons, as is shown by its many piles of drift and large banks of sand.





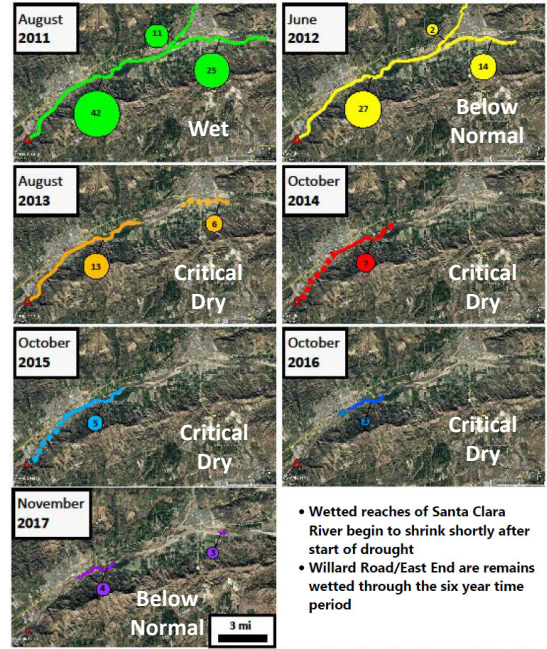




CHANGE IN WETTED EXTENT (2011-2015)

Notes:

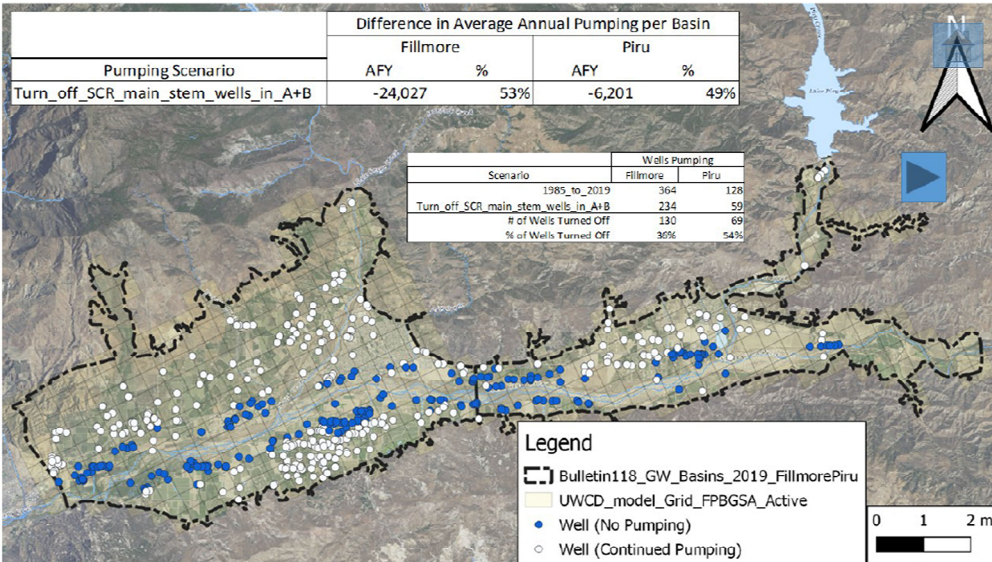
- Figure is modified from United (2017).
- Solid lines are observed wetted stream reaches; dotted lines indicate uncertain wetted intervals.
- Circles and values represent surface water flow in cubic-feet per second (cfs) at manual streamflow monitoring sites conducted by United.
- Aerial imagery is static (does not represent the changes observed over time).



- Wetted reaches of Santa Clara River begin to shrink shortly after start of drought
- Willard Road/East End are remains wetted through the six year time period

Surface water flow in cfs shown in circles

SIMULATED GROUNDWATER EXTRACTION REDUCTONS

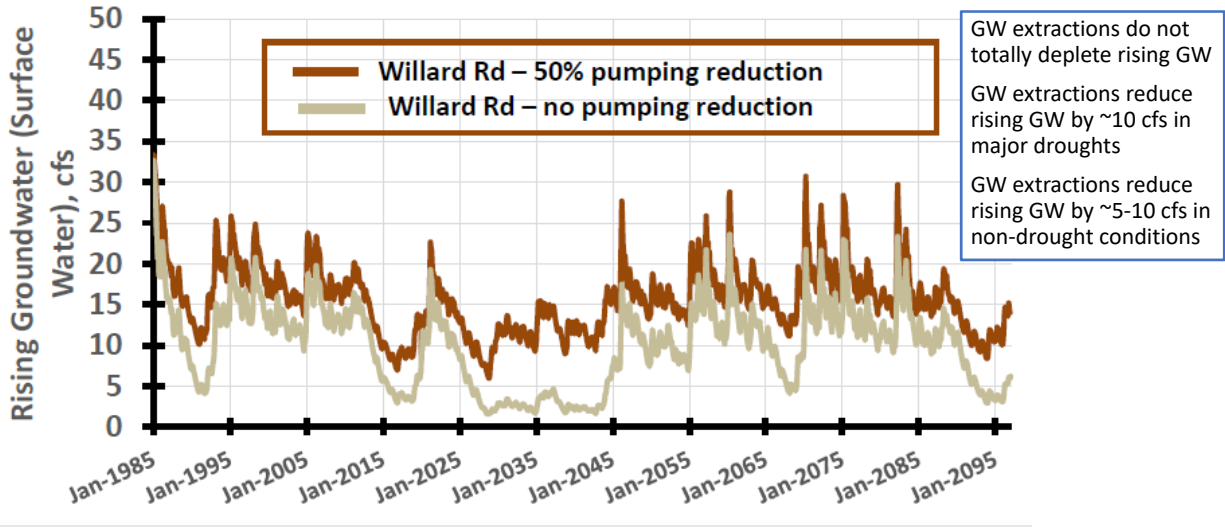


Wells within ~1mile of SCR turned off

Net effect is ~50% reduction in GW extractions across both basins

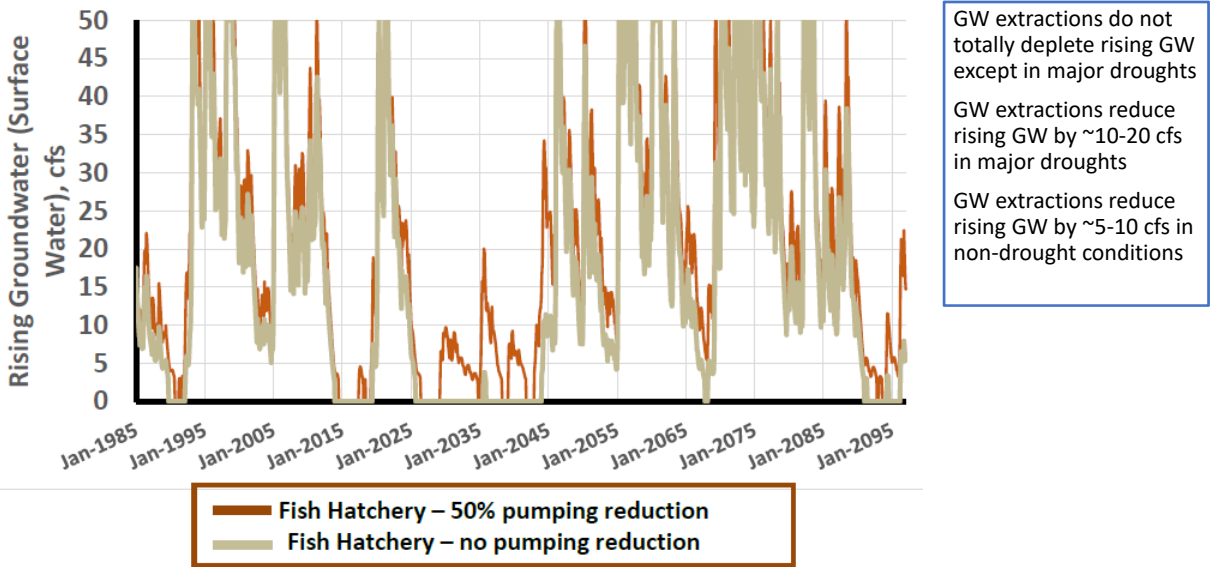
RISING GW (SURFACE WATER)

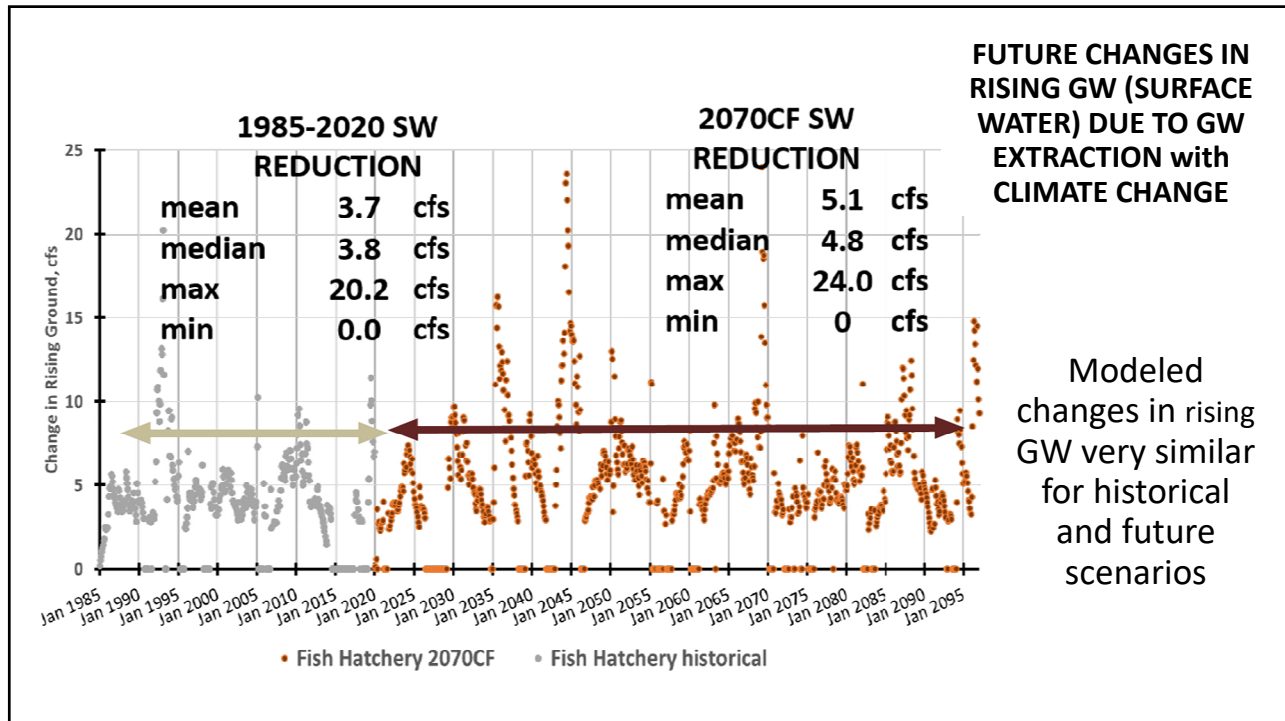
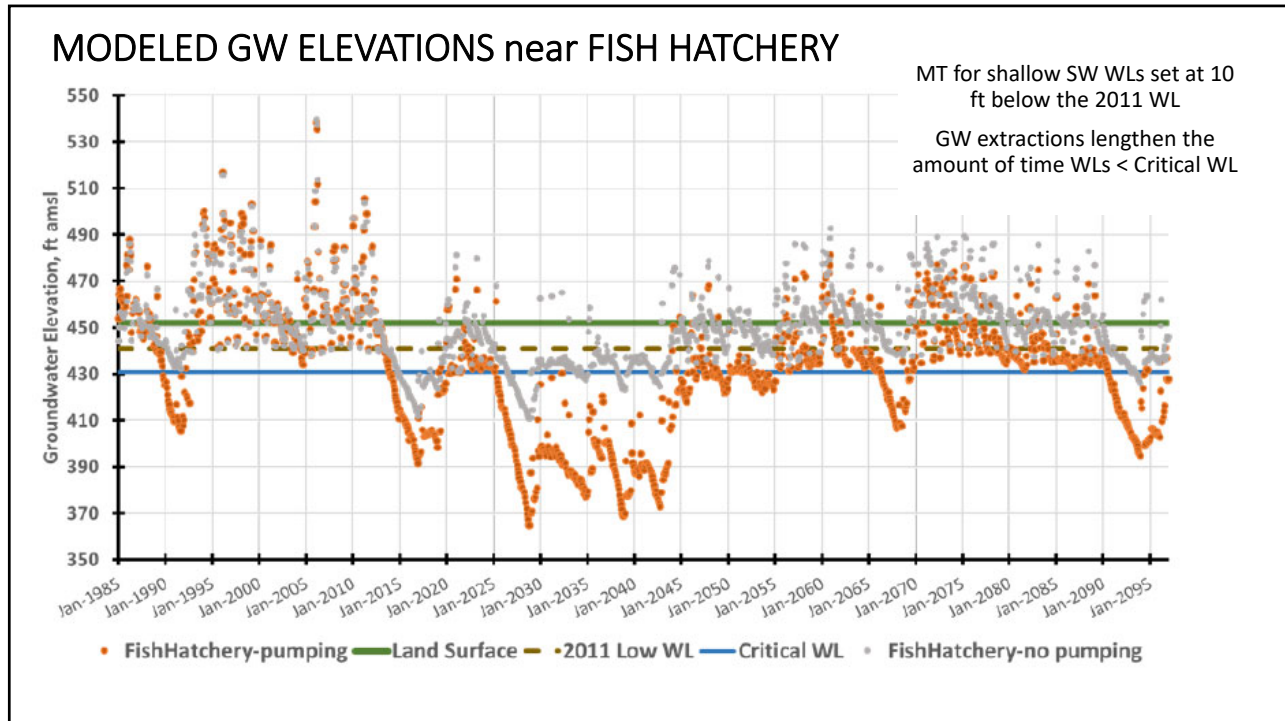
Rising Groundwater (Surface Water) - Willard Road

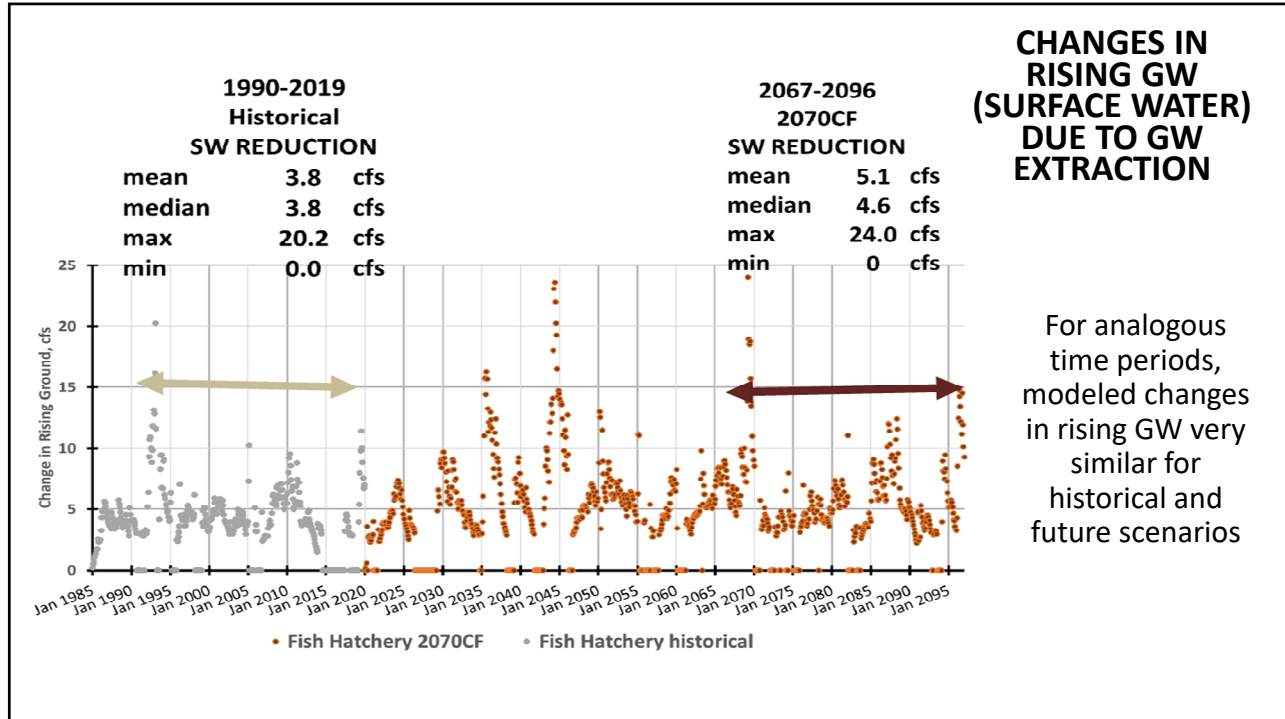


RISING GW (SURFACE WATER)

Rising Groundwater (Surface Water) - Fish Hatchery







Take Away Messages

- The SCR is ephemeral - it flows along its entire reach only after significant storm events or releases from upstream dams
- The “surface water” at the GDE area is rising GW (not from through flowing stream)
- When the SCR is flowing (after significant storm events or releases from upstream dams), the impact of GW extractions on stream flow is negligible
- GW extraction impacts to SW (rising GW) are negligible in non-drought periods & minor in extended droughts
- Future conditions approx. equal to pre-2015 conditions

Fillmore and Piru Subbasins

DWR identified deficiencies

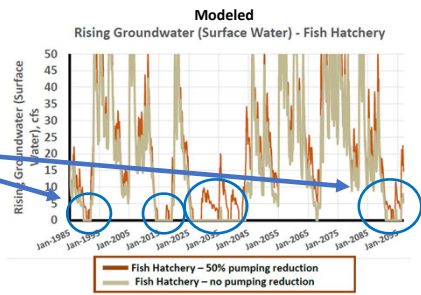
- Lack of MT for depletions of interconnected SW due to GW extractions?
- How would steelhead be impacted by depletions?
- Lack consideration of beneficial use of SW for fish migration?
- What are impacts to wetland habitats?
- What are impacts to surface water diversions by water rights holders?
- What are impacts to downstream subbasins in dry periods due to GW extractions?

Significant and Unreasonable Effects on ISW and GDEs

- Decline in GW to the degree that the basin cannot refill during wet years leading to a decline in ISW extent and magnitude
- Shallow groundwater levels drop below the rooting zone of vegetation causing widespread mortality (and promote Arundo) with no nearby seed source for regeneration following wetter years
- Increase in the frequency and duration of impacts to listed GDE species relative to baseline conditions
- Impacts to fish passage (unlikely upstream, unknown on downstream emigration)
- Impacts to downstream water diverters

Interconnected SW depletions due to GW Extractions Cienega Springs / Fish Hatchery area

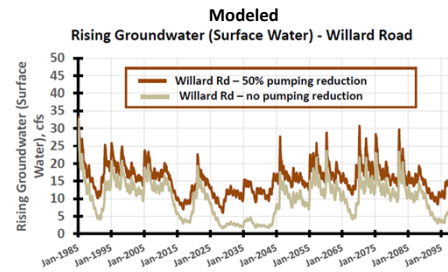
- GW extractions do not totally deplete rising GW except in major droughts
- GW extractions reduce rising GW by ~10-20 cfs in major droughts
- GW extractions reduce rising GW by ~5-10 cfs in non-drought conditions



- ✓ SW depletions at areas of rising GW - most reaches of SCR and tributaries are dry in the absence of storm runoff or dam releases
- ✓ Reducing GW extractions by ~50% eliminate most, but not all SW depletions in major droughts
- ✓ Reducing GW extractions by 50% will create Significant and Unreasonable Impacts for other beneficial uses/users
- ✓ Pre-2015 GW conditions mimic future conditions

Interconnected SW depletions due to GW Extractions East Grove / Willard Rd area

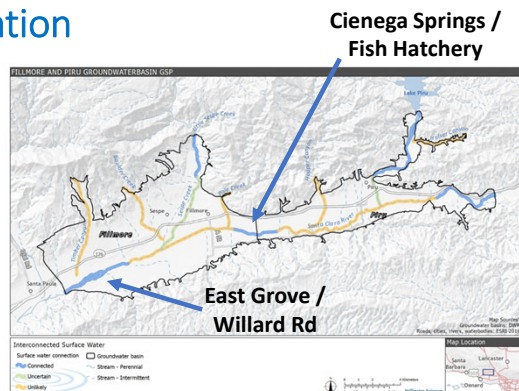
- GW extractions do not totally deplete rising GW
- GW extractions reduce rising GW by ~10 cfs in major droughts
- GW extractions reduce rising GW by ~5-10 cfs in non-drought conditions



- ✓ Mitigative actions are not warranted - GW extractions do not totally deplete rising GW
- ✓ Pre-2015 GW conditions mimic future conditions

Impacts of GW Extraction on Fish Migration

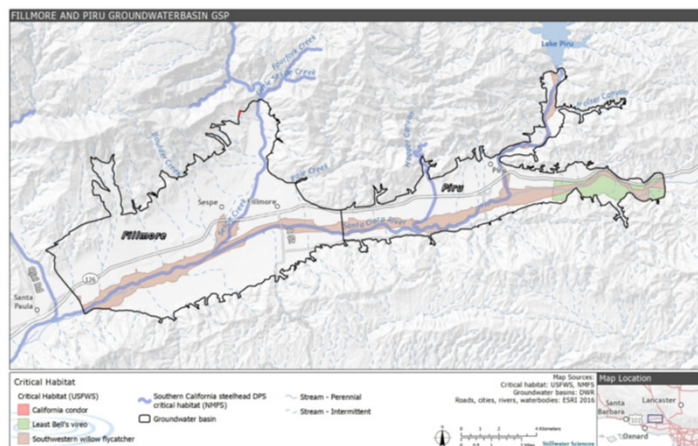
- SCR is a transient migratory pathway for fish when stormwater runoff or upstream dam releases provide adequate water to establish SW connection to ocean
- For most years, major reaches of SCR are dry for many months which limits the migratory periods
- During seasonally dry periods, rising GW at the Cienega Springs/Fish Hatchery and East Grove/Willard Rd areas typically keep these limited reaches wetted
- Extended droughts can shrink the wetted area as quantity of rising GW decreases due to drought-induced lowering of WLs



- ✓ Mitigative actions are not warranted - GW extractions during migration conditions do not materially decrease the SW flow
- ✓ Pre-2015 GW conditions mimic future conditions

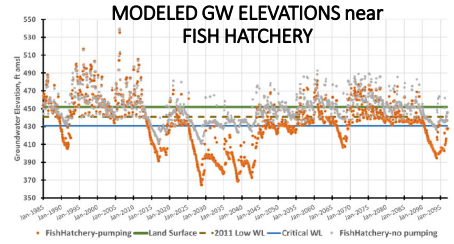
Steelhead and steelhead habitat

- The SCR upstream to the confluence with Piru Creek, along with Sespe Creek, Hopper Creek, and Piru Creek are listed as critical habitat for steelhead.
- *Critical habitat within the basins is likely a migration corridor. Use of streams within the basin for spawning and rearing has not been observed.*
- Passage on the SCR downstream of Sespe Creek requires ~500 cfs flow (Harrison et al., 2006). Decreasing pumping by 50% reduces flow by 5-10 cfs, and is unlikely to affect passage on the SCR
- Downstream migration of smolts occurs from January through June (primarily mid-March to late May).
- The effect of groundwater management on passage through Sespe Creek, which has the majority of the upstream steelhead habitat, has not been explored.

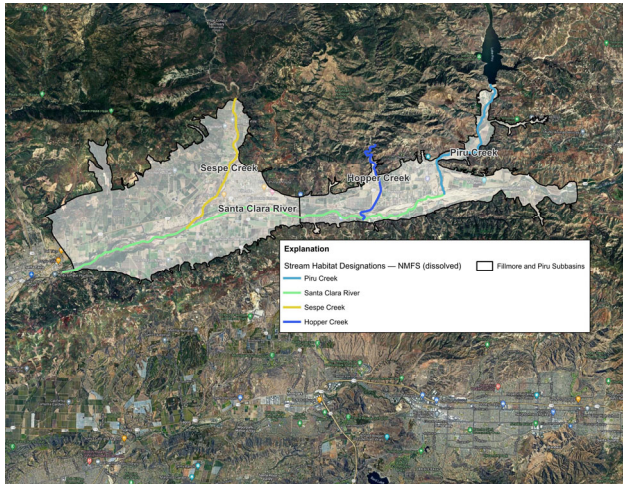


Impacts to GDEs and Wetlands due to GW Extractions

- GDEs of importance include Cienega Springs/Fish Hatchery and East Grove/Willard Rd areas
 - Impacts to vegetation considered critical when WLs fall more than 10 ft below the 2011 WL (Critical WL)
 - Comparisons of modeled WLs with 50% GW extraction reduction and no extraction reduction are very similar for non-drought conditions
 - GW extractions result in ~20-40 ft decline in WLs in prolonged, multi-year droughts
 - GW extractions lengthen the amount of time WLs < Critical WL
- ✓ Design a supplemental water supply project for the Cienega Springs/Fish Hatchery area that would provide drought refuge for vegetation and fauna
- ✓ Use Critical WL as MT for important GDEs

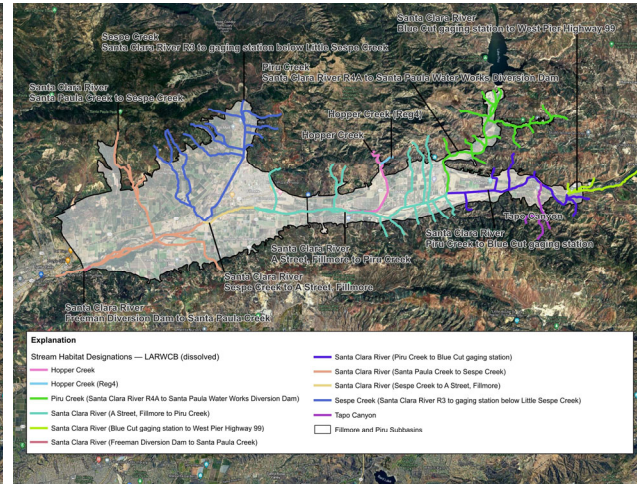


Beneficial use designation varies between state and federal agencies.



National Marine Fisheries Service (NMFS)

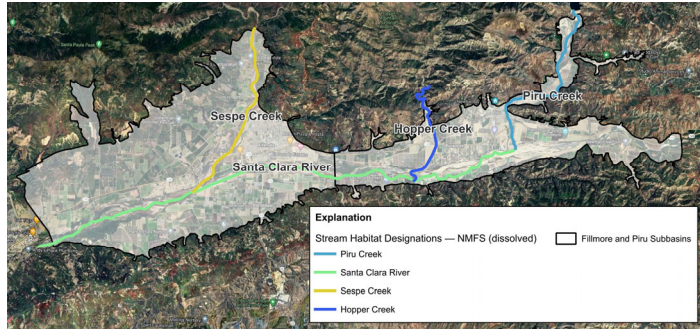
[NMFS West Coast Region Endangered Species Act critical habitat geodatabase \(July 2023\)](#)



Los Angeles Regional Water Quality Control Board (LARWQCB)

[Administrative Update To Specific Geographic Information in Chapter 2 "Beneficial Uses" Of The Water Quality Control Plan For The Los Angeles Region \(March 2016; 2020-2022 Triennial Review\)](#)

NMFS beneficial use designations



Listed Entity	Listing Status	Critical Habitat Status	UNIT	NOTES
Steelhead [Southern California DPS]	Endangered	Final	Santa Clara River	spawning, rearing, migration habitat
Steelhead [Southern California DPS]	Endangered	Final	Santa Clara River	spawning, rearing, migration habitat
Steelhead [Southern California DPS]	Endangered	Final	Santa Clara River	spawning, rearing, migration habitat
Steelhead [Southern California DPS]	Endangered	Final	Piru Creek	spawning, rearing, migration habitat
Steelhead [Southern California DPS]	Endangered	Final	Sespe Creek	spawning, rearing, migration habitat
Steelhead [Southern California DPS]	Endangered	Final	Hopper Creek	spawning, rearing, migration habitat
Steelhead [Southern California DPS]	Endangered	Final	Hopper Creek	spawning, rearing, migration habitat

LARWQCB beneficial use designations

Table 2-1. Beneficial Uses of Inland Surface Waters.

WATERSHED*	WBD No.	MUN	IND	PROC	AGR	GWR	FRSH	NAV	POW	COMM	AQUA	WARM	COLD	SAL	EST	MAR	WILD	BIOL	RARE	MIGR	SPWN	SHELL	WET ^b	
SANTA CLARA RIVER WATERSHED																								

Aquaculture (AQUA)

Uses of water for aquaculture or mariculture operations including, but not limited to, propagation, cultivation, maintenance, or harvesting of aquatic plants and animals for human consumption or bait purposes.

Warm Freshwater Habitat (WARM)

Uses of water that support warm water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.

Cold Freshwater Habitat (COLD)

Uses of water that support cold water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.

Wildlife Habitat (WILD)

Uses of water that support terrestrial ecosystems including, but not limited to, preservation and enhancement of terrestrial habitats, vegetation, wildlife (e.g., mammals, birds, reptiles, amphibians, invertebrates), or wildlife water and food sources.

Rare, Threatened, or Endangered Species (RARE)

Uses of water that support habitats necessary, at least in part, for the survival and successful maintenance of plant or animal species established under state or federal law as rare, threatened, or endangered.

Migration of Aquatic Organisms (MIGR)

Uses of water that support habitats necessary for migration, acclimatization between fresh and salt water, or other temporary activities by aquatic organisms, such as anadromous fish.

Spawning, Reproduction, and/or Early Development (SPWN)

Uses of water that support high quality aquatic habitats suitable for reproduction and early development of fish.

Wetland Habitat (WET)

Uses of water that support wetland ecosystems, including, but not limited to, preservation or enhancement of wetland habitats, vegetation, fish, shellfish, or wildlife, and other unique wetland functions which enhance water quality, such as providing flood and erosion control, stream bank stabilization, and filtration and purification of naturally occurring contaminants.

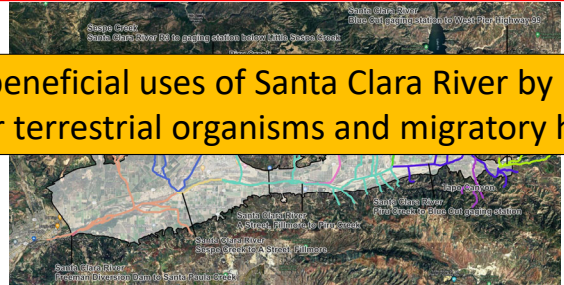
b: Waterbodies designated as WET may have wetlands habitat associated with only a portion of the waterbody. Any regulatory section would require a detailed analysis of the area.

LARWQCB beneficial use designations for Santa Clara River.

Table 2-1. Beneficial Uses of Inland Surface Waters.

WATERSHED*	WBD No.	MUN	IND	PROC	AGR	GWR	FRSH	NAV	POW	COMM	AQUA	WARM	COLD	SAL	EST	MAR	WILD	BIOL	RARE	MIGR	SPWN	SHELL	WET*
SANTA CLARA RIVER WATERSHED																							
Santa Clara River Estuary (Ends at Harbor Blvd.) ²	180701020904							E	E								E	E	E	E	E	E	E
Santa Clara River Reach 1 Santa Clara River (Estuary to Highway 101 bridge)	180701020904	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River Reach 2 Santa Clara River (Highway 101 bridge to Ellsworth Barranca)	180701020904	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River (Ellsworth Barranca to Freeman Diversion)	180701020903	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River Reach 3 Santa Clara River (Freeman Diversion Dam to Santa Paula Creek)	180701020903	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River (Santa Paula Creek to Sespe Creek)	180701020902	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River (Sespe Creek to A Street, Fillmore)	180701020802	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River Reach 4A Santa Clara River (A Street, Fillmore to Piru Creek)	180701020802	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River Reach 4B Santa Clara River (Piru Creek to Blue Cut gaging station)	180701020403	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Santa Clara River Reach 5 Santa Clara River (Blue Cut gaging station to West Pier Highway 99)	180701020403	P*	E	E	E	E	E					E	E					E	E	E	E	E	E

Identified beneficial uses of Santa Clara River by LARWQCB are primarily for terrestrial organisms and migratory habitat for fish.



E: Existing beneficial use
P: Potential beneficial use
g: Condor refuge

* Asterisked MUN designations are designated under SB 88-63 and RB 89-03. Some designations may be considered for exemption at a later date (See pages 2-3, 4 for more details).

LARWQCB beneficial use designations for upland tributaries.

Table 2-1. Beneficial Uses of Inland Surface Waters.

WATERSHED*	WBD No.	MUN	IND	PROC	AGR	GWR	FRSH	NAV	POW	COMM	AQUA	WARM	COLD	SAL	EST	MAR	WILD	BIOL	RARE	MIGR	SPWN	SHELL	WET*
SANTA CLARA RIVER WATERSHED																							
Santa Paula Creek (Santa Clara River R4A to Santa Paula Water Works Diversion Dam)	180701020901	P	E	E	E	E	E					E	E					E	E	E	E	E	E
Sisat Creek	180701020901	P	E	P	E	E	E					E	E					E	E	E	E	E	E
Sespe Creek (Santa Clara River R3 to gaging station below Little Sespe Creek)	180701020706	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Timber Creek	180701020703	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Bear Canyon	180701020703	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Trout Creek	180701020703	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Piedra Blanca Creek	180701020703	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Lion Canyon	180701020702	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Rosa Valley Creek	180701020702	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Howard Creek	180701020702	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Tule Creek	180701020702	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Potrero John Creek	180701020701	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Hopper Creek	180701020801	P*	E	E	E	E	E					E	E					E	E	E	E	E	E
Piru Creek (Santa Clara River R4A to Santa Paula Water Works Diversion Dam)	180701020604	P	E	E	E	E	E					E	E					E	E	E	E	E	E

Primarily spawning and rearing habitat for fish are located in the upland tributaries according to beneficial uses identified by LARWQCB



E: Existing beneficial use
P: Potential beneficial use
g: Condor refuge

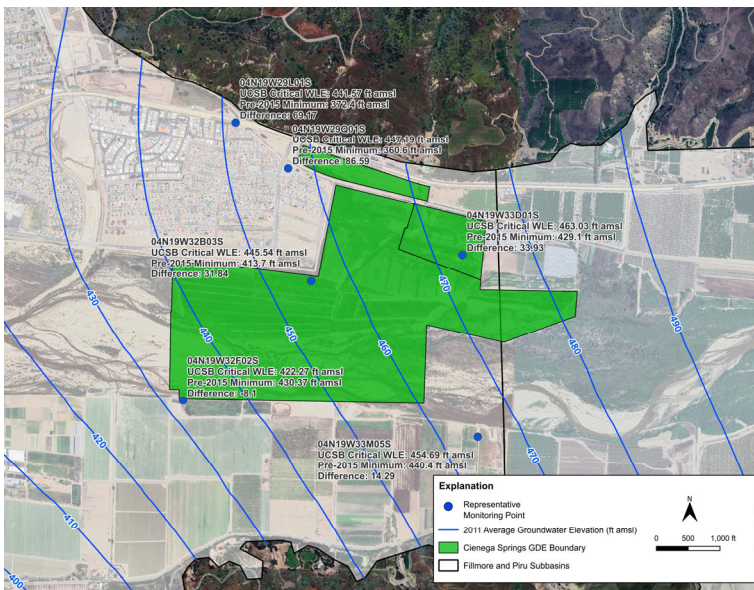
* Asterisked MUN designations are designated under SB 88-63 and RB 89-03. Some designations may be considered for exemption at a later date (See pages 2-3, 4 for more details).

Measureable Objective Approach
 Set MOs to 2011 average water level elevations
 (“Basin Full” Status)

Minimum Threshold Approach
 Set MTs at Cienega Springs and East Grove GDEs
 that are protective of vegetation and fish migration,
NOT fish spawning and rearing.

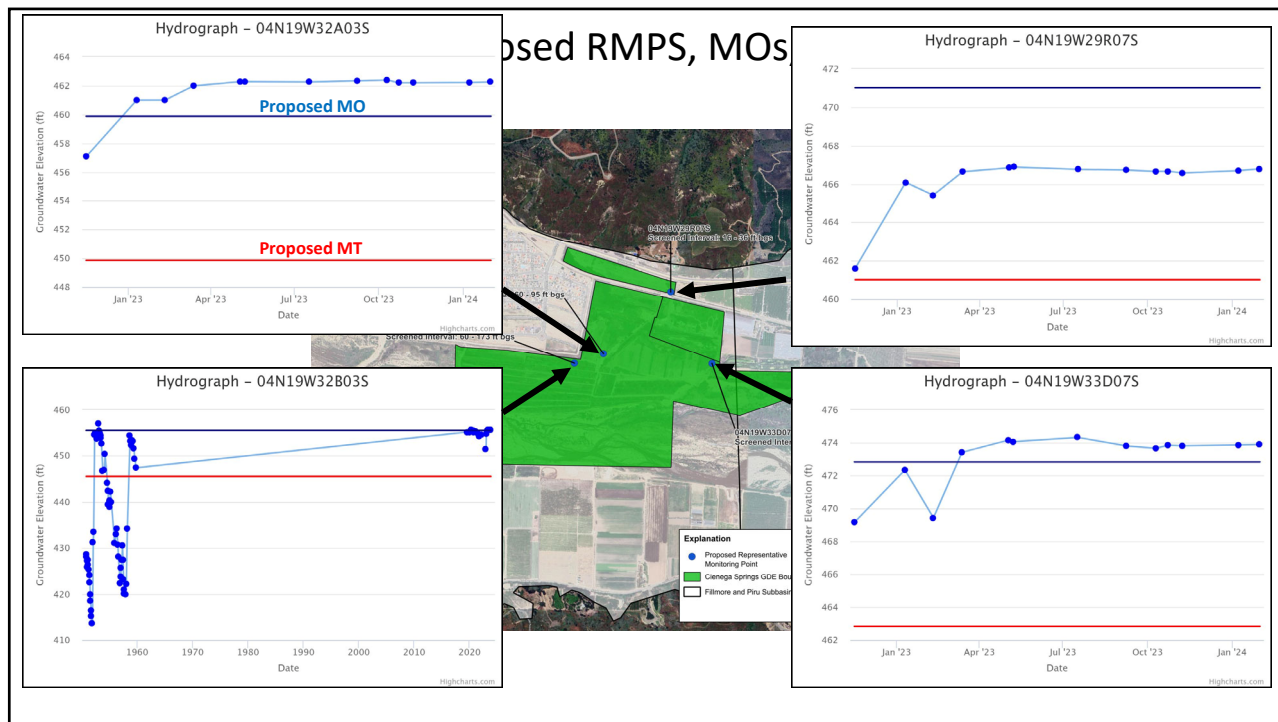
10 ft below 2011 average conditions
 OR
 Pre-2015 minimum water level elevation
 (whichever is higher in elevation)

Pre-2015 observed minimum water levels at Cienega Springs are generally much lower than critical water level elevation identified by UCSB (Kibler) study.

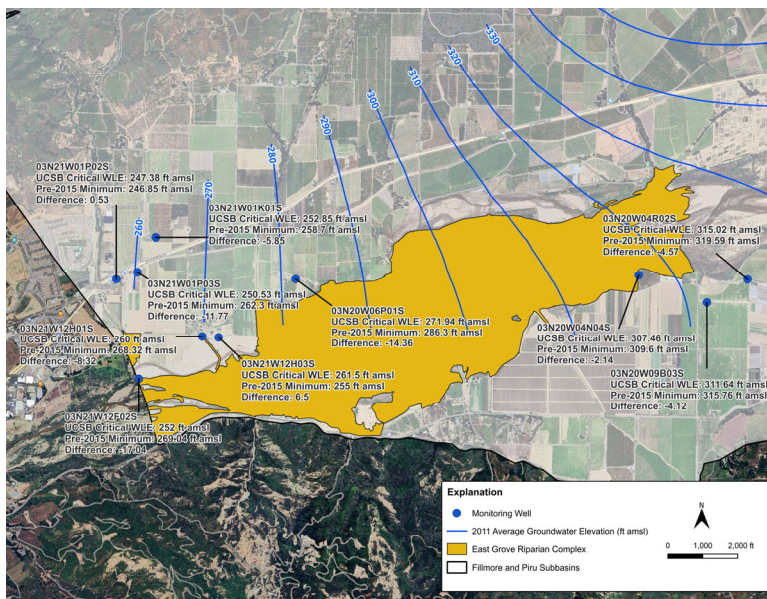


Top of Screen Depth Range
 0 - 81 ft bgs

Bottom of Screen Depth Range
 95 - 280 ft bgs



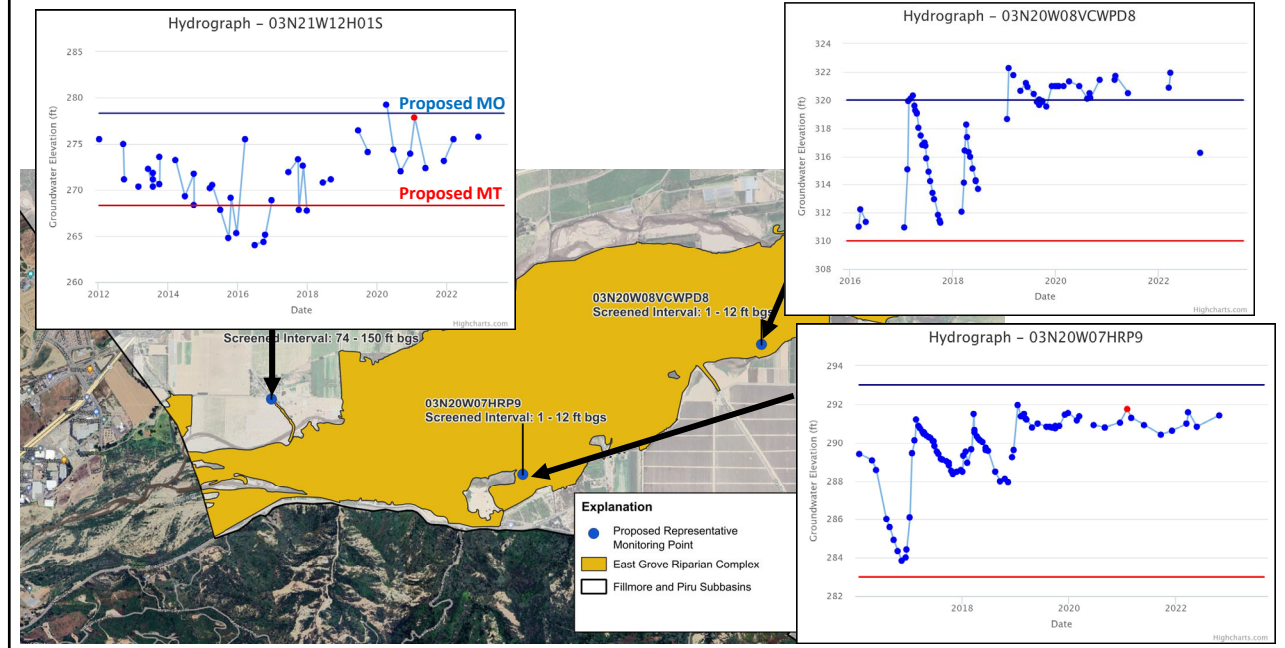
Pre-2015 observed minimum water levels at East Grove are generally higher than critical water level elevation identified by UCSB (Kibler) study.



Top of Screen Depth Range
50 - 95 ft bgs

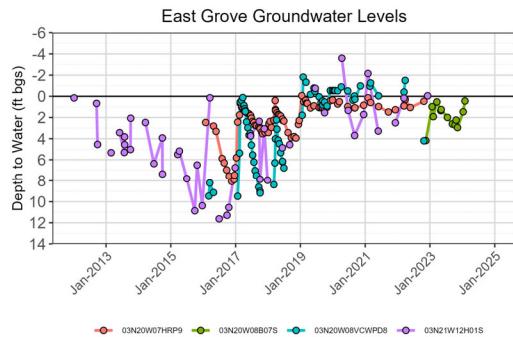
Bottom of Screen Depth Range
100 - 215 ft bgs

Cienega Springs GDE proposed RMPS, MOs, and MTs



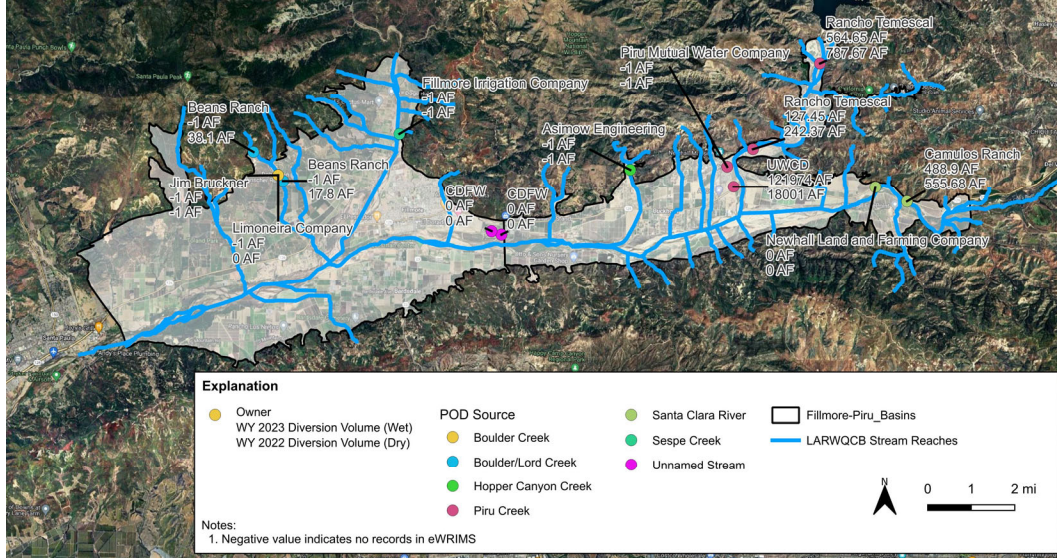
Impacts to Downstream GW Users due GW Extractions

- Pre-2015 GW extractions in the F + P subbasins are not materially different than future conditions
- GW extractions at the Santa Paula/Fillmore subbasins boundary (west end of Fillmore subbasin) are robust with no reported decreases in water supply
- Recharge programs in F + P subbasins support WLs in downgradient basins
- Santa Paula Basin Technical Advisory Committee is not reporting depletion of GW resources



- ✓ Mitigative actions are not warranted - GW extractions do not materially decrease the SW or GW flow
- ✓ Pre-2015 GW conditions mimic future conditions

There are no legal surface water diversions downstream of Cienega Springs on the Santa Clara River in the Fillmore and Piru subbasins.



Fillmore and Piru Subbasins - Take Away Messages

Deficiency	Resolution
<ul style="list-style-type: none"> Lack of MT for depletions of interconnected SW due to GW extractions What are impacts to wetland habitats 	<ul style="list-style-type: none"> ✓ ISW present near GDEs ✓ MTs near important GDEs set at levels to minimize impacts to riparian GDEs which will benefit fauna, also ✓ Drought Mitigation / Supplemental Water Supply Program for Cienega Springs GDE area
<ul style="list-style-type: none"> Lack consideration of beneficial use of SW for fish migration How would steelhead be impacted by depletions 	<ul style="list-style-type: none"> ✓ SCR is migration corridor (not rearing or spawning) - GW extractions during migration periods have minimal impact
<ul style="list-style-type: none"> What are impacts to surface water diversions by water rights holders What are impacts to downstream subbasins in dry periods due to GW extractions 	<ul style="list-style-type: none"> ✓ Downstream SW conditions similar to East Grove area - pre-2015 similar to future conditions