



YSGA BOARD OF DIRECTORS MEETING

January 10, 2022

Agenda

- Call to Order and Determination of Quorum
- CONSIDERATION - Authorize Teleconference Meetings as a Result of the COVID-19 Emergency
- Adding Items to the Posted Agenda
- Public Forum
- CONSIDERATION - Consent Items
- NCWA Update on Water Legislation & Regulatory Issues
- Report of the Chair and Executive Officer
- Water Conditions Update
- Update: GSP Development and Transition to GSP Implementation
 - GSP Development: Final GSP Public Hearing
 - Transition to GSP Implementation
 - Process for Considering GSP Revisions and Soliciting New Projects
 - Funding GSP Implementation
 - Establishing a Framework for Forming the Management Area Advisory Committees
 - Annual Report Submittal - Due April 1, 2022
 - DWR AEM Survey - Data Requested
- Members Reports and Future Agenda Items
- Next Meeting - Special Meeting on **January 24, 2022 at 3:00 p.m.** and Regularly Scheduled Meeting on March 21, 2022
- Adjournment

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AB 361

- State-proclaimed emergency + determination of imminent risks to attendees' health or safety
- Members can participate from any location (do not have to be within the jurisdictional boundaries of the District)
- Teleconferenced location does not need to be accessible to the public
- Do not need to identify each site members are teleconferencing from
- Do not need to post agenda to each teleconference site
- Re-authorize meeting by teleconference for meetings that occur more than 30 days apart

Staff recommend that the Board

- 1) find that, as a result of the COVID-19 emergency, meeting in person would present imminent risks to health and safety of attendees, AND
- 2) hold meetings by teleconference as authorized by § 54953 of Government Code.

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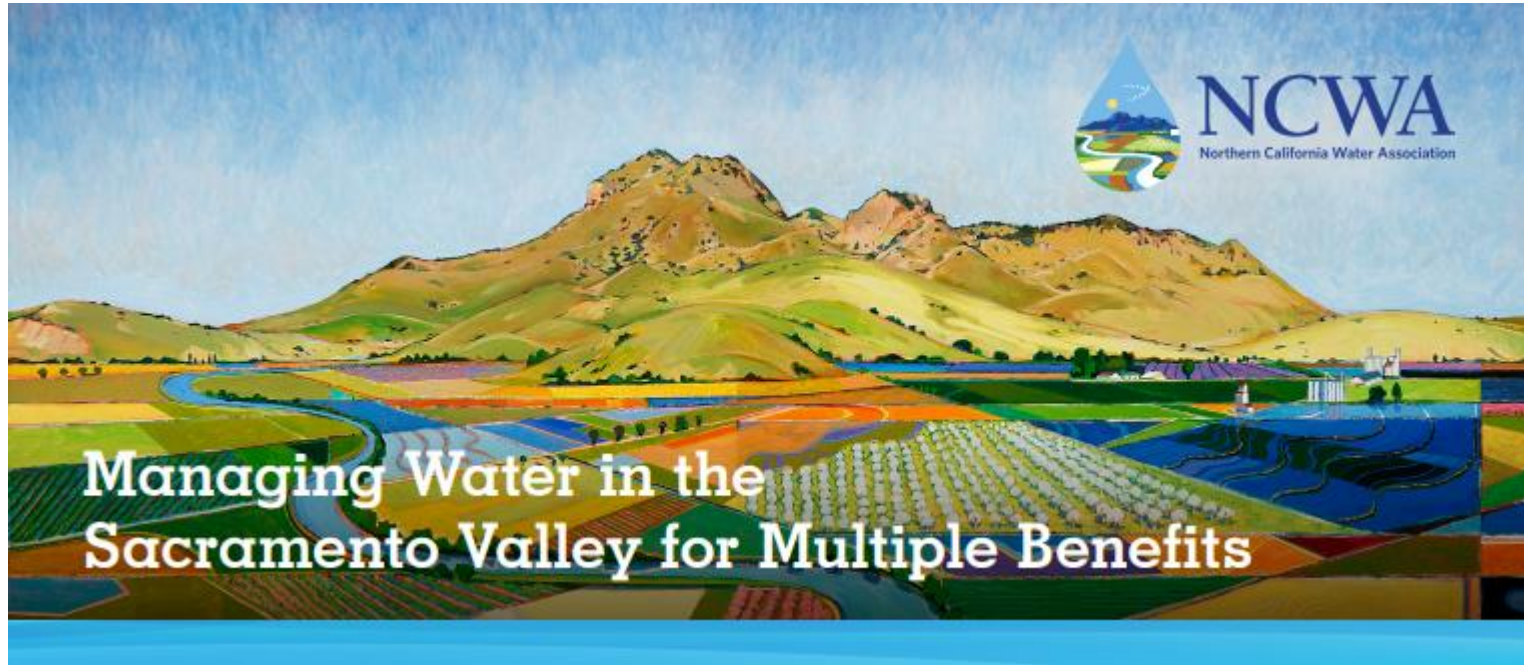
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Consideration: Consent Items

- Approve November 15, 2021 Board of Directors Meeting Minutes
- Receive Fiscal Year 2021-2022 Financial Statements: November 1, 2021 - January 7, 2022
- Receive minutes of Executive Committee: 11/8/21

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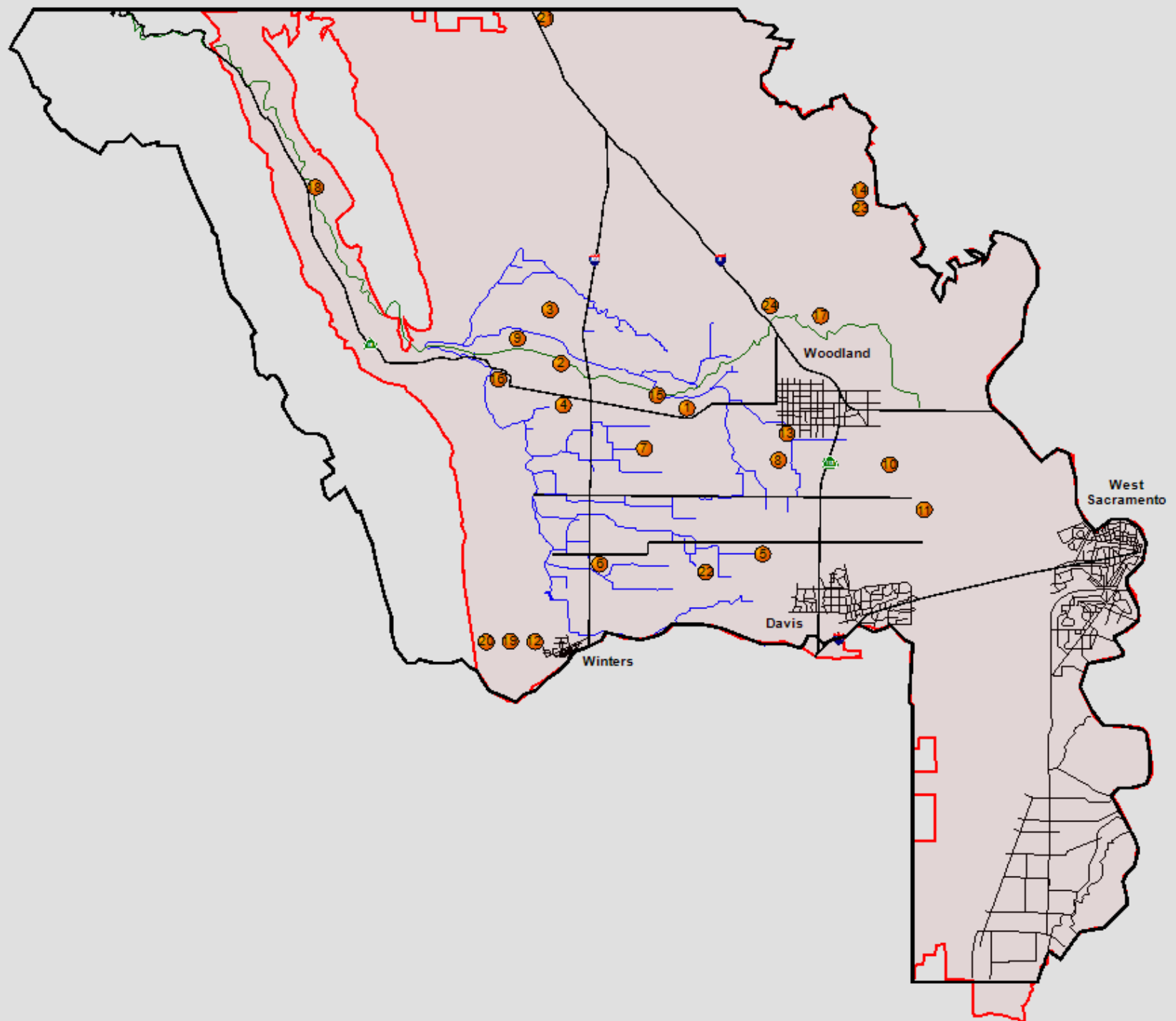
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Well Monitoring
Real-Time





SCADA Links


Comparison Trends

Comparison Table

Legend

Monitoring Site 

YSGA 

County 

Well Monitoring

Depth to Water Historical Comparison

(Daily Average DTW in feet)

SCADA Links

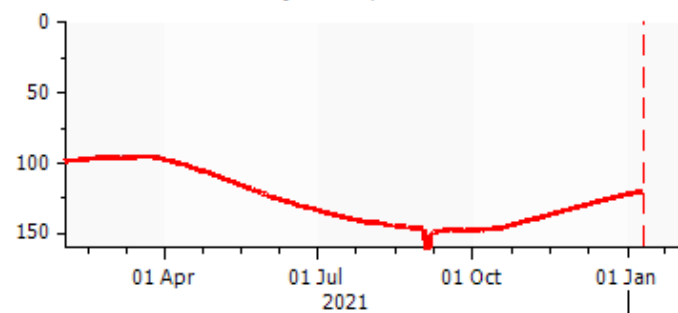
Well Map

Select Date

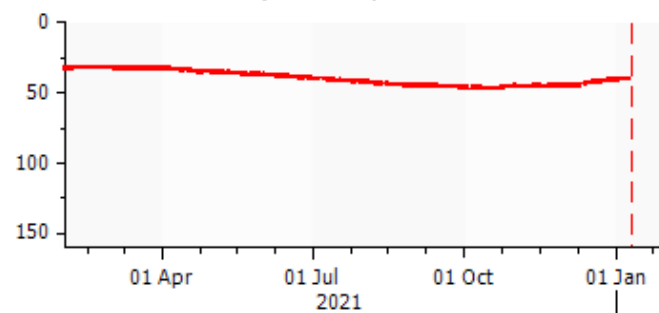
01/10

Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Δ 2021 - 2022	Δ 2015 - 2022
1.	88.8	82.0	80.7	82.2	94.0	109.5	113.8	101.1	95.3	100.4	93.1	102.1	120.3	-18.2	-10.8
2.	38.2	31.1	30.0	28.9	37.6	43.3	47.6	33.5	30.3	31.0	29.8	32.4	39.5	-7.1	3.9
3.		44.2	39.0	40.1	50.9	66.0	65.4	50.8	39.7	42.6	39.7	43.0	58.6	-15.6	7.4
4.		27.6	26.1	23.2	33.5	42.1	46.4	32.4	28.8	26.9	25.4	32.4	36.3	-3.9	5.8
5.			20.1	20.8	28.8	33.2	39.7	34.7	27.1	29.4	21.9	29.5	36.1	-6.6	-2.9
6.			35.0	31.4	57.5	50.3	54.8	41.1	33.3	36.5	31.3	38.4	47.6	-9.1	2.7
7.					20.2	35.4	38.0	23.7	23.5	21.5	19.2	27.0	33.3	-6.3	2.2
8.					52.1	64.2	67.8	60.1	44.9	47.4	37.9	47.0	59.7	-12.7	4.5
9.					52.0	65.2	67.1	49.7	40.6	42.1	40.6	44.3	60.0	-15.6	5.3
10.						30.5	33.8	27.5	16.3	19.6	12.3	23.4	26.4	-3.0	4.1
11.						15.8	16.6	12.5	10.4	12.0	9.6	14.8	12.8	2.0	3.0
12.										117.4	104.4	119.0	127.4	-8.3	
13.									56.5	57.6	49.2	58.6	69.8	-11.1	
14.										11.6	10.7	12.9	11.9	1.0	
15s.										40.7	37.6	46.6	46.2	.4	
15d.										122.4	111.2	131.1	158.5	-27.4	
16.											33.2	36.9	42.8	-5.9	
17.											19.9	26.9	31.4	-4.5	
18.											32.9	38.7	38.5	.2	
19.											169.7	178.6	191.1	-12.5	
20.											199.1	198.8	199.2	-.4	
21.											118.8	127.8	136.1	-8.3	
22.													59.6		
23.													27.8		
24.													58.1		

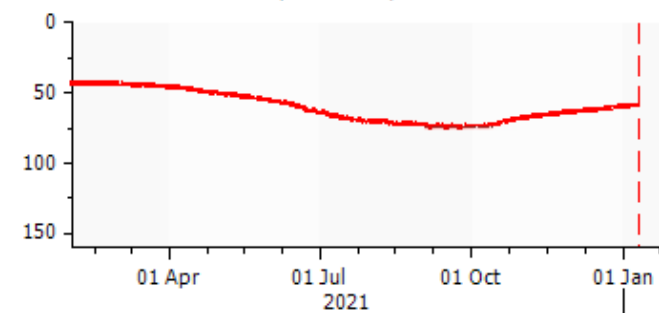
1. HQ Well Depth to Water



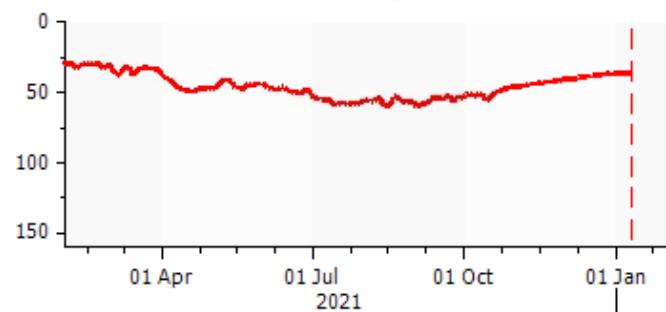
2. Syar Well Depth to Water



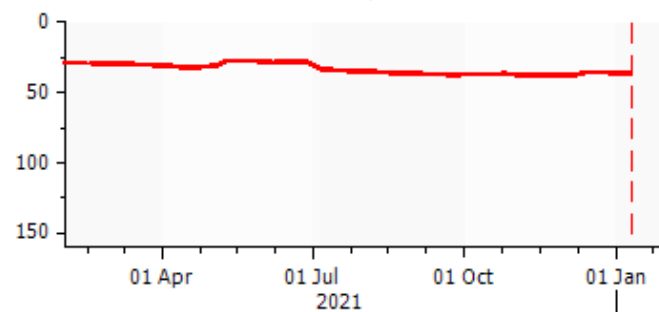
3. Lopez Well Depth to Water



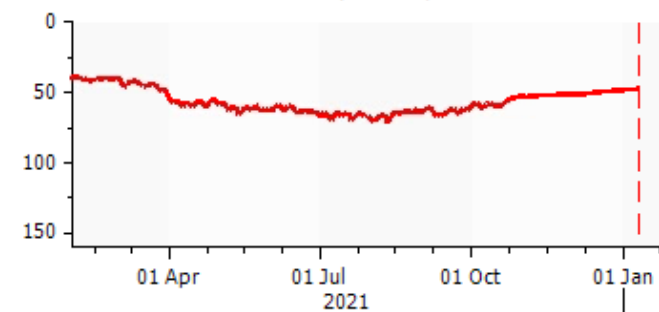
4. Madison Well Depth to Water



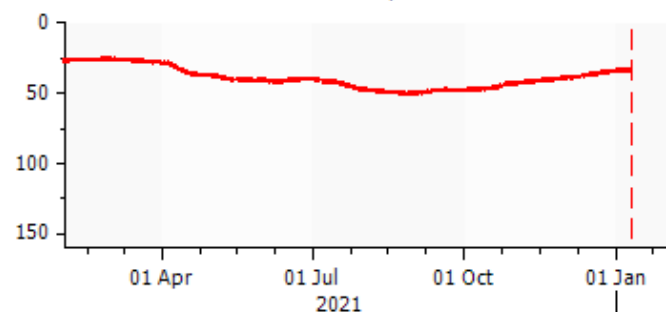
5. Eoff Well Depth to Water



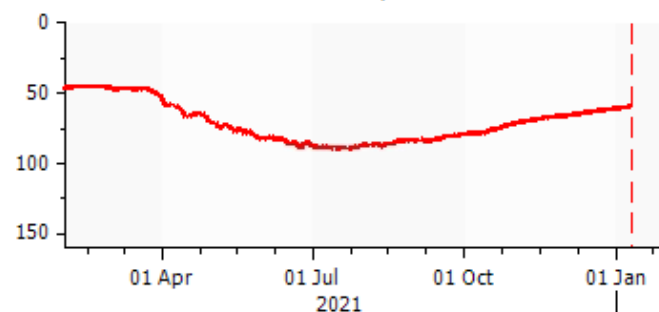
6. Chickahominy Well Depth to Water



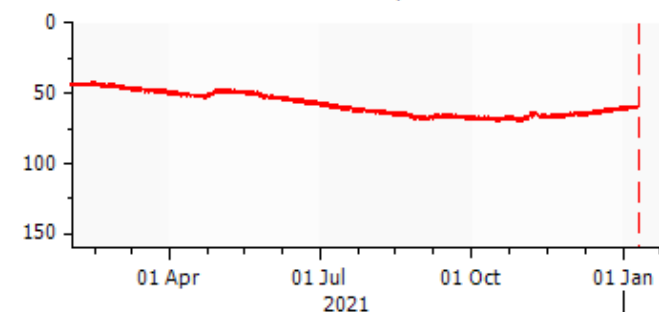
7. Beeman Well Depth to Water



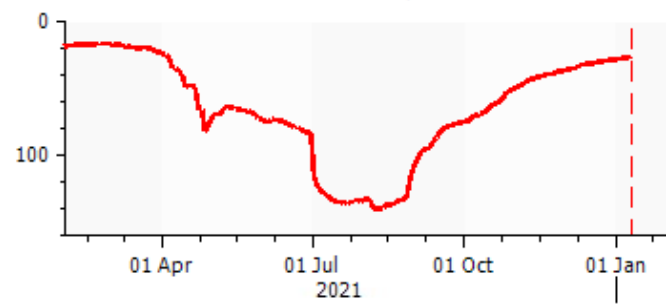
8. Harlan Well Depth to Water



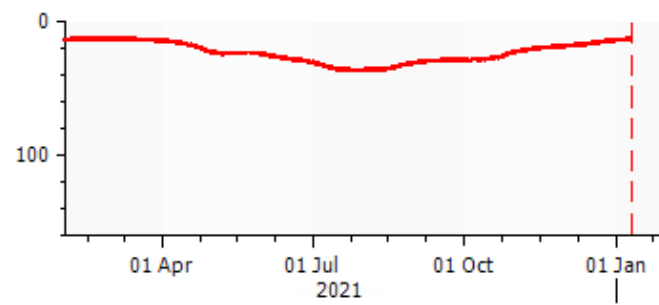
9. Teichert Well Depth to Water



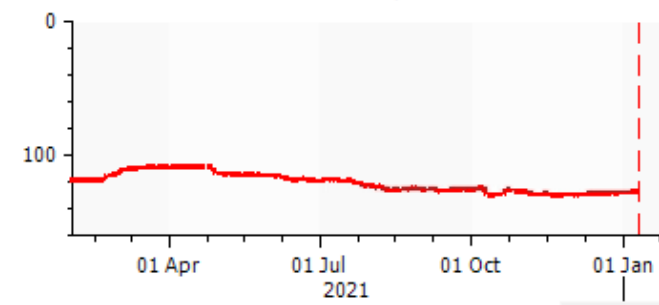
10. RD2035 MW-2D Depth to Water



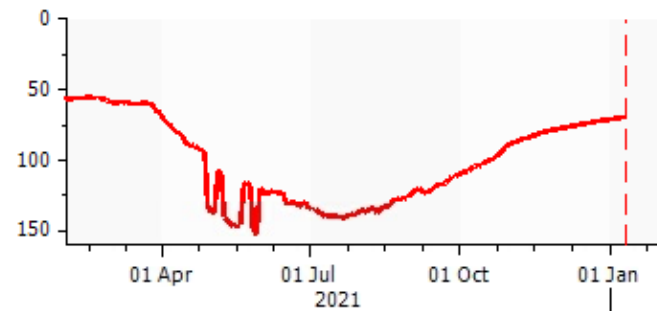
11. RD2035 MW-4D Depth to Water



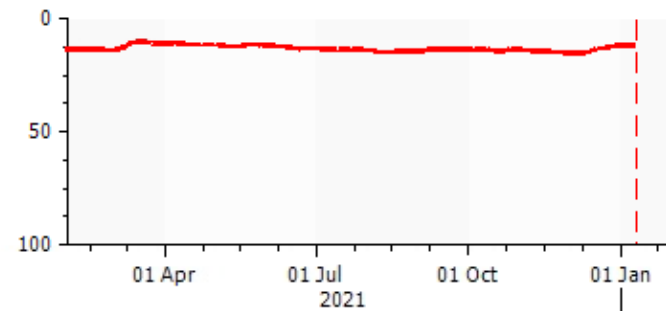
12. Hunter Well Depth to Water



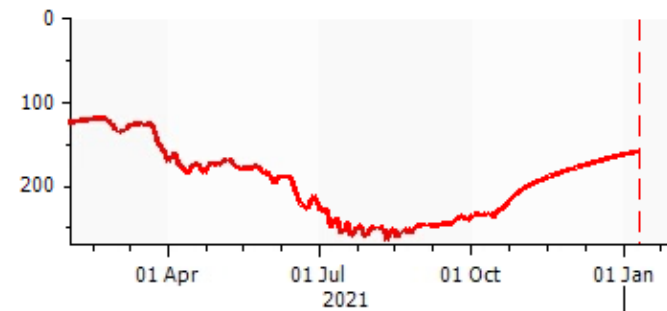
13. Well 13 Depth to Water



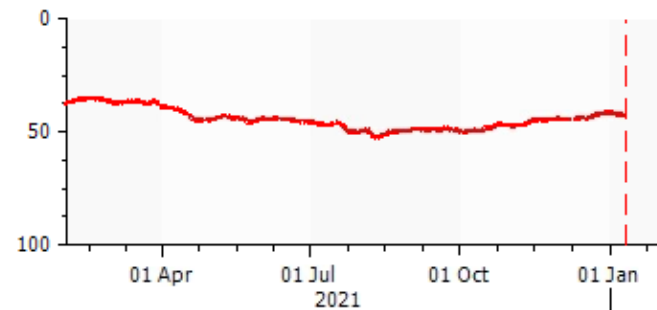
14. RD787 Well Depth to Water



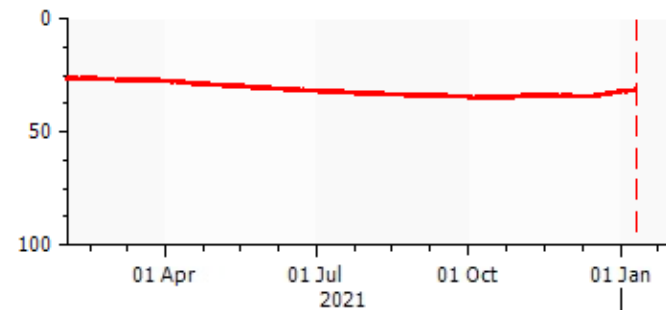
15. Moore Well (d) Depth to Water



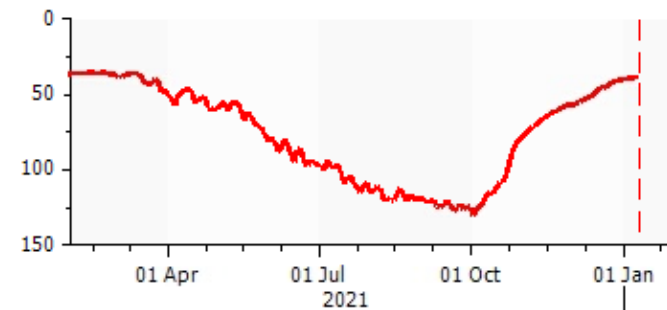
16. Esparto Well Depth to Water



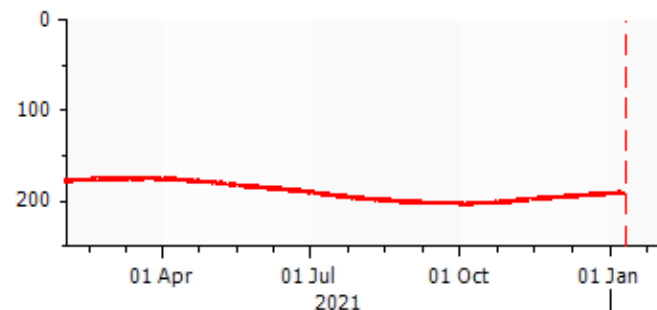
17. Reynolds Well Depth to Water



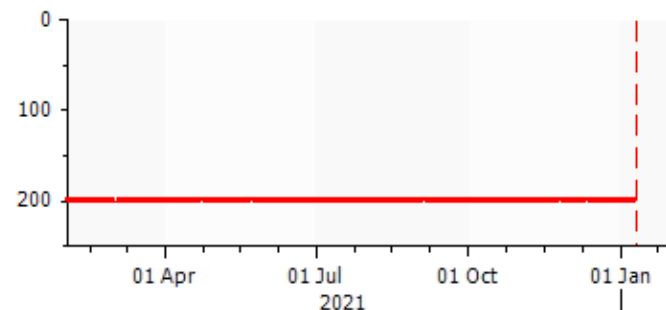
18. Carson Well Depth to Water



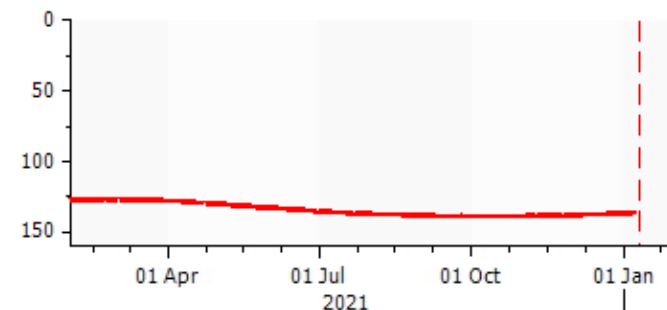
19. Davids Well Depth to Water



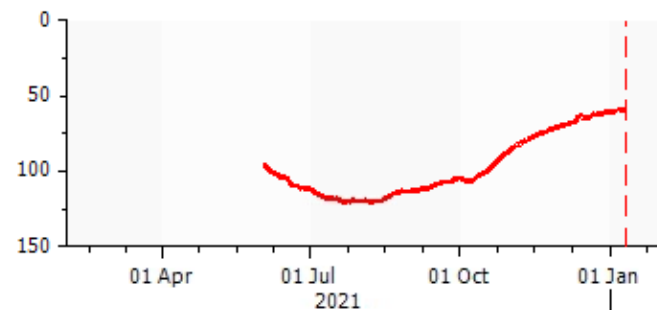
20. Ireland Well Depth to Water



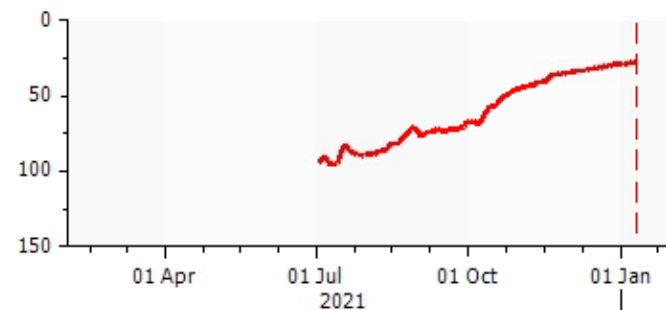
21. Countyline Well Depth to Water



22. Hayes Well Depth to Water



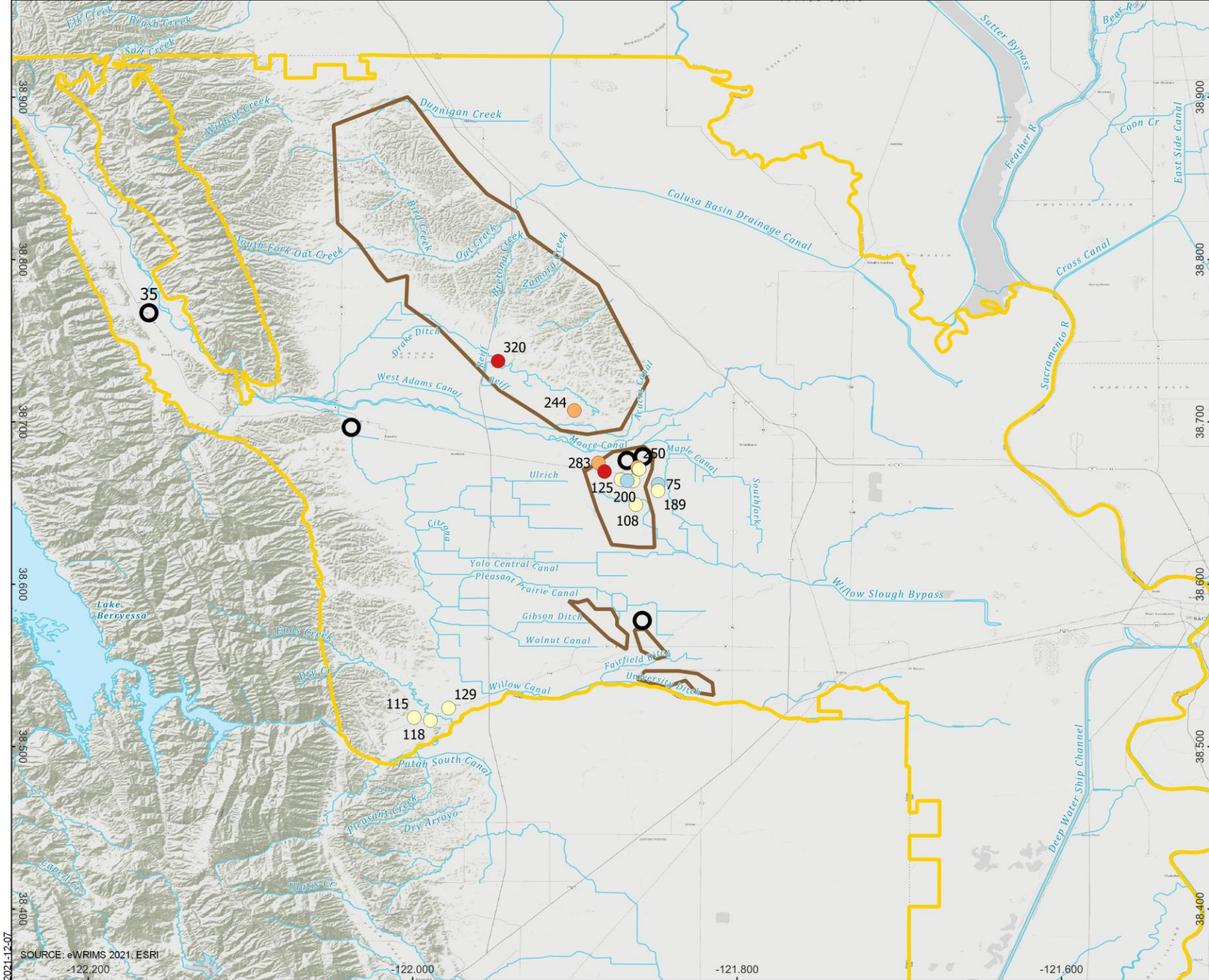
23. Knights Landing CSD Well Depth to Water



Next Steps from 12/8 DCPC Meeting

- Action Items
 - Communications Plan outline for DCPC review – provide DCPC with cost estimate for
 - Define YSGA and Yolo County role, responsibilities, relationship, and resources available
 - Standard Operating Procedures for different scales involved (individual well, MA, Subbasin, etc.)
 - Investigation of UCD partnerships – Thinktanks via Jay Lund, Thomas Harter, et al.
- Next Meeting – late January/early February

2021 Reported Dry Wells and Severely Impacted Wells



- Plainfield Ridge
- Dry Wells Locations**
- 0 - 100'
(2 Wells)
- 100 - 200'
(7 Wells)
- 200 - 300'
(5 Wells)
- 300 - 360'
(2 Wells)
- Non-Reported Well Locations



Yolo Subbasin
Groundwater Agency
yologroundwater.org

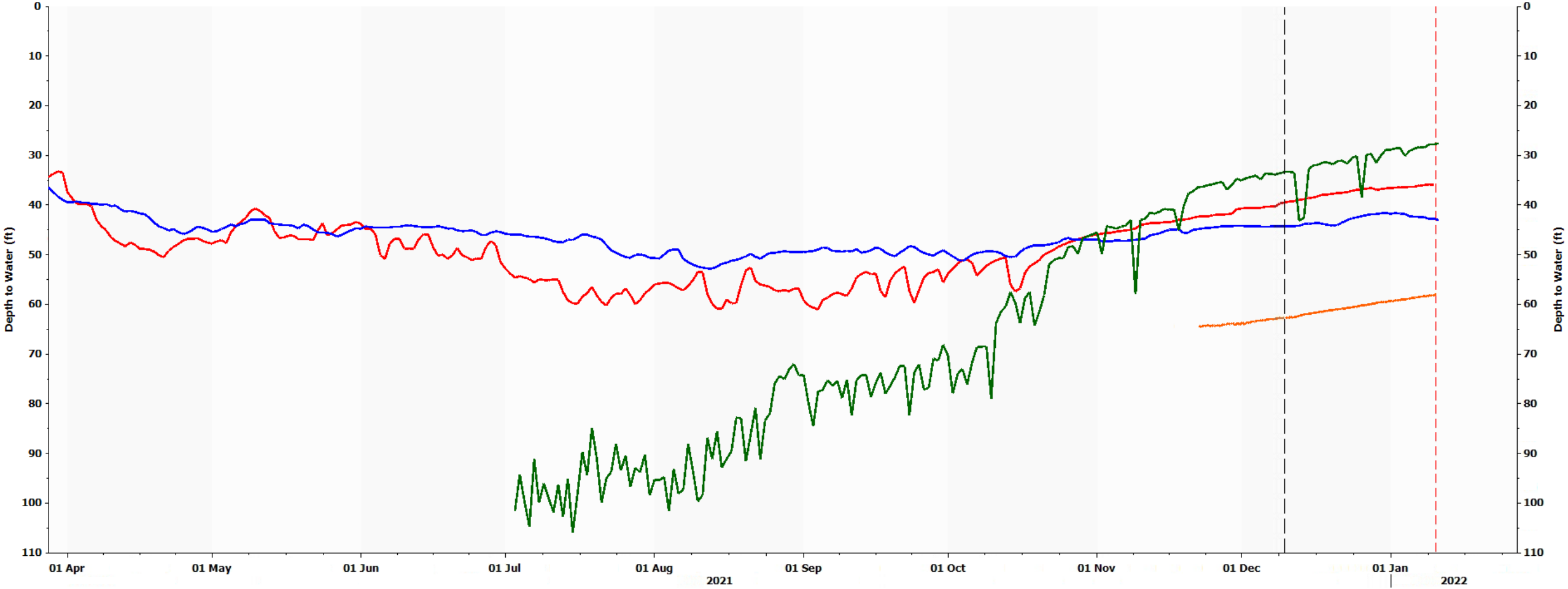
Yolo County, California

2021-12-21 2:21:07
SOURCE: eWRIMS 2021, ESRI
-122.200

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CSD Real-Time Monitoring Well Hydrographs



- Trace
- Madison Well Depth to Water
 - Esparto Well Depth to Water
 - Knights Landing Well Depth to Water
 - Yolo Fire Station Well Depth to Water

Axis	Ruler Value
Depth to Water (ft) (0 - 110)	12/10/2021 12:14:43.189 AM 39.46
Depth to Water (ft) (0 - 110)	12/10/2021 12:14:43.189 AM 44.25
Depth to Water (ft) (0 - 110)	12/10/2021 12:14:43.189 AM 33.33
Depth to Water (ft) (0 - 110)	12/10/2021 12:14:43.189 AM 62.8

Latest Value
1/9/2022 10:54:22.986 AM 35.96
1/9/2022 10:54:23.004 AM 42.46
1/9/2022 10:54:23.018 AM 27.71
1/10/2022 6:45:41.375 AM 57.99

Woodland Davis Clean Water Agency

RD 787 / River Garden Farms

Dunnigan Water District

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Comments
Received on
Draft GSP

Topic	Comments
Format/Question/Plan Language	79
Water Budget/Model	44
Management Actions	34
Water Quality	24
Environment	22
Projects	20
Sustainable Management Criteria	19
Engagement/Beneficial Users	16
GW Conditions & HCM	13
Monitoring Network	9
YSGA Structure & Authority	9
General	4
Grand Total	296

Update on GSP Development

Final draft of Yolo Subbasin GSP to YSGA BOD and posted to website by 12/17/21

Noticing of Public Hearing 1/4/22 and 1/11/22

YSGA Board of Directors Consider Adoption at 1/24/22 Meeting

Submit to DWR by 1/31/22

<https://www.yologroundwater.org/yolo-subbasin-groundwater-sustainability-plan>

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<i>Source of Funds</i>	<i>Name of Funding Program</i>	<i>Funding Amount</i>	<i>Eligible Projects</i>	<i>Website</i>	<i>Additional Details</i>	<i>Open Date</i>	<i>Due Date</i>
Cal OES	California Hazard Mitigation Grant Program			Link		Ongoing	1/21/2022
CalTrans	Clean California Local Grant Program	\$5,000,000/project		Link		Ongoing	2/1/2022
Department of Conservation	Land Repurposing Grant	\$10,000,000/basin		Link		2/4/2022	3/21/2022
CDFA	State Water Efficiency and Enhancement Program	\$40,000,000		Link		Ongoing	1/18/2022
CDFA	Healthy Soils Program	\$50,000,000		Link		Ongoing	2/25/2022
CDFA	Water Efficiency Technical Assistance Program	\$5,000,000		Link	Link	Ongoing	1/19/2022
Department of Parks and Recreation	Habitat Conservation Fund	\$6,000,000		Link	Video	Ongoing	3/1/2022
DWR	Sustainable Groundwater Management Implementation	\$2,000,000 - \$8,000,000/subbasin		Link	Link to Write-up	Winter/Fall 2022	Winter/Spring 2023
DWR	Integrated Regional Water Management	\$192,000,000		Link		Early 2022	
DWR	Urban and Multibenefit Drought Relief Program	\$190,000,000		Link		Ongoing	1/14/2022
DWR	Small Community Drought Relief Program	\$192,000,000		Link		Ongoing	12/29/2023
FEMA	Hazard Mitigation Program	\$160,000,000		Link	Drought and Flood Miti	Ongoing	1/28/2022
NOAA	Regional Integrated Science and Assessments (RISA)	\$1,000,000/project		Link		10/19/2021	1/11/2022
NRCS	Watershed and Flood Prevention Operations Program	\$500,000,000		Link		TBD	TBD
NRCS	Watershed Rehabilitation Program	\$118,000,000		Link		TBD	TBD
NRCS	Emergency Watershed Protection Program	\$300,000,000		Link		TBD	TBD
RCAC	Clean Drinking Water Well Replacement Grant Application	\$100,000/project		Link		Ongoing	Continuous
RCAC	Household Water Well & Septic System Flyer	\$15,000/project		Link		Ongoing	Continuous
SWRCB	Drinking Water Well Replacement Program (See RCAC programs)	\$8,000,000		Link	Self-Help enterprises/R	Ongoing	Continuous
SWRCB	Drinking Water State Revolving Fund	\$280,000,000		Link	Link	Ongoing	Continuous
SWRCB	Small Community Clean Water/Wastewater Funding	\$110,000,000		Link	Link	Ongoing	Continuous
SWRCB	Small Community Drinking Water (SCDW) Funding Program	\$50,000,000		Link	Link	Ongoing	Continuous
SWRCB	Safe and Affordable Funding for Equity and Resilience Program (\$	\$130,000,000		Link	Link	Ongoing	Continuous
SWRCB	Urgent Drinking Water/Cleanup & Abatement Account Programs	\$9,700,000		Link	Link	Ongoing	Continuous
Wildlife Conservation Board	Habitat Enhancement and Restoration Program	\$1,000,000		Link		Ongoing	Continuous
Wildlife Conservation Board	Inland Wetlands Conservation Program	\$3,000,000		Link		Ongoing	Continuous
California Grants Portal				https://www.grants.ca.gov/			

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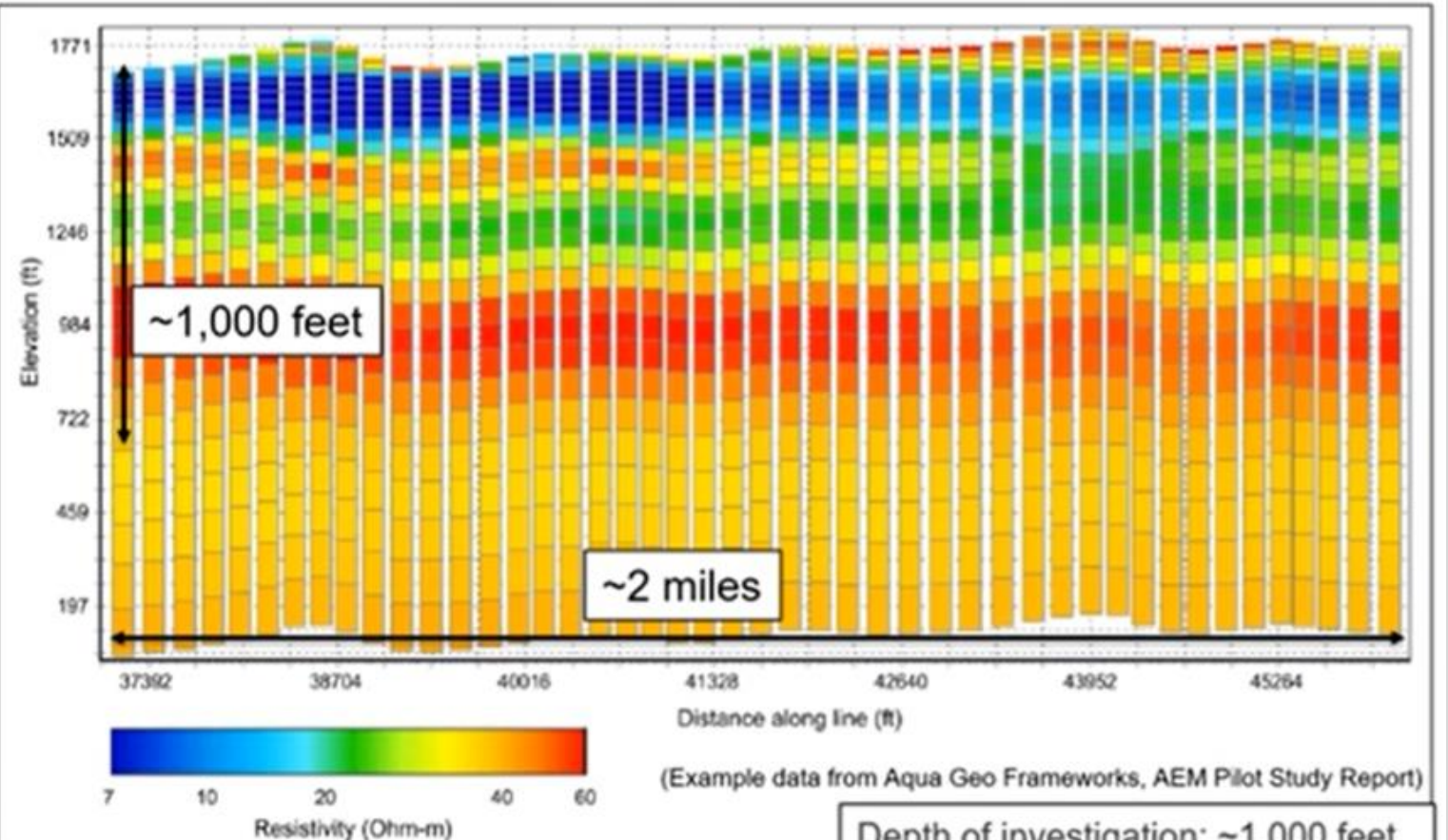
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DWR's Airborne Electromagnetic Survey



Less Resistive – fine grained materials or high total dissolved solid concentration
More Resistive – coarse grained materials

Depth of investigation: ~1,000 feet
Vertical resolution:
Shallow: ~10 feet
Deep: ~100 feet

DWR's Airborne Electromagnetic Survey

- Flights started in summer of 2021
- Flights in the Sacramento Valley will take place in April of 2022
- Draft flight paths will be sent out 3 weeks before flights
- Flight paths will have a density of approximately 2 miles x 8 miles



DWR's Airborne Electromagnetic (AEM) Survey

Requested GSA support



1. Important area maps
2. Existing data
3. Public outreach
4. Groundwater level measurements

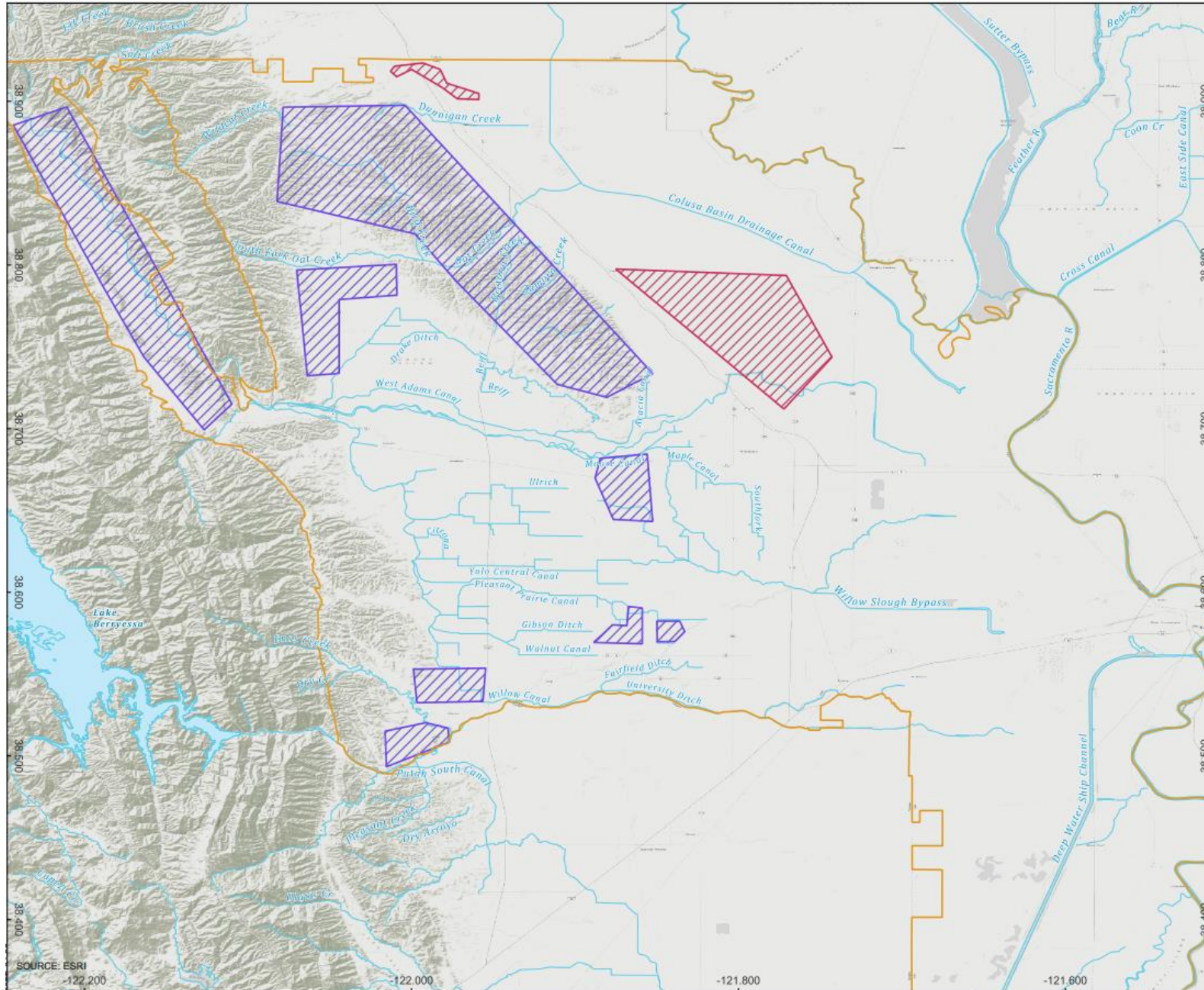
AEM Flight Surveys - Areas of Interest

Legend

- Canals
- Yolo Subbasin

Areas of Interest

- Data Gap
- Recharge



Yolo County, California

January 2022

SOURCE: ESRI

Relevant Existing Data

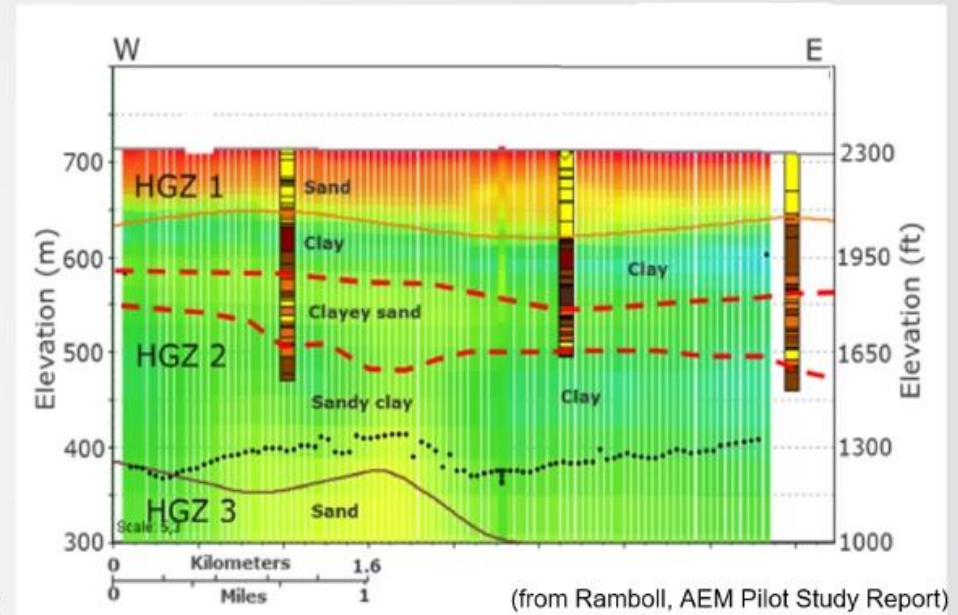
What: Lithologic and geophysical logs

that have either been:

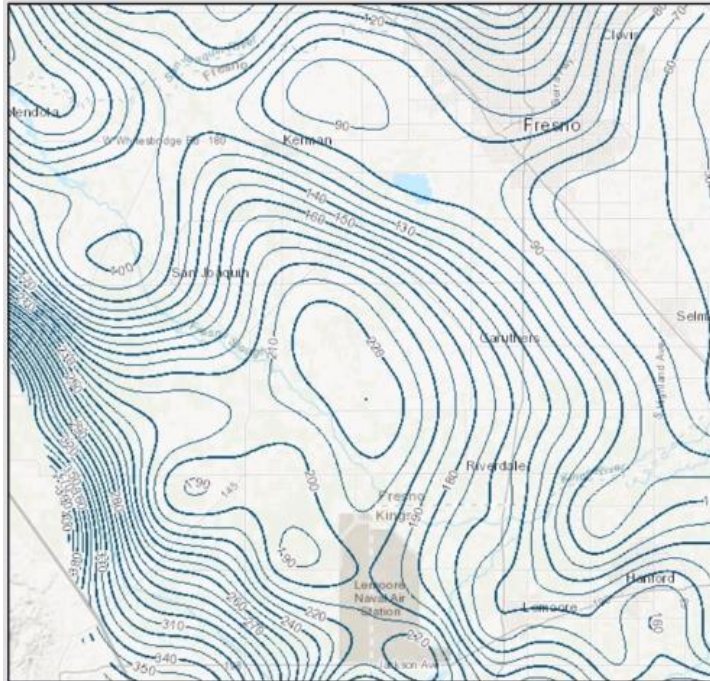
1. Sorted for quality
2. Locations accurately defined
3. Digitized

Why: Supports the reliable interpretation of AEM data; GSAs have already completed much of this work (no extra work requested)

When: As soon as reasonable.



Groundwater Level Measurements



- **Why:** Groundwater level measurements in the *upper aquifer* improve the reliable interpretation of AEM data.
- **What:** GSAs collect groundwater level measurements in upper aquifer. Measurement density as needed to capture local conditions
- **When:** Within +/- 1 week of AEM surveys (DWR to provide draft flight lines 3 weeks prior to surveys)

Public Outreach

DWR's Pre-Survey Outreach Efforts

- Notification letters to parcels beneath flight path
 - AEM website
 - Survey schedule
 - 2-minute video
- Social media announcement on DWR platforms
- Press release to local media



GSA Pre-Survey Outreach Support (~1 month prior to surveys)

- Share notification letters with interested parties (provided by DWR)
- Post social media announcement on GSA platform (provided by DWR)

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