



YSGA BOARD OF DIRECTORS MEETING

November 15, 2021

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
- Update on Water Legislation & Regulatory Issues
- DWR Update
- Report of the Chair and Executive Officer
- Water Conditions Update
 - Dana Carey, Yolo County OES
 - Tim Busch, Woodland Davis Clean Water Agency
 - Leo Refsland, Madison/Knights Landing/Cacheville CSDs
 - Charlie Schaupp, Esparto CSD
- Update: GSP Development
- Members Reports and Future Agenda Items
- Next Regular Meeting - January 10, 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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Consideration: Consent Items

- Approve September 20, 2021 Regular and October 11, 2021 Special Board of Directors' Meetings Minutes
- Receive Fiscal Year 2021-2022 Financial Statements: July 1 - November 3, 2021
- Receive minutes of Executive Committee: 9/18 and 10/18/21

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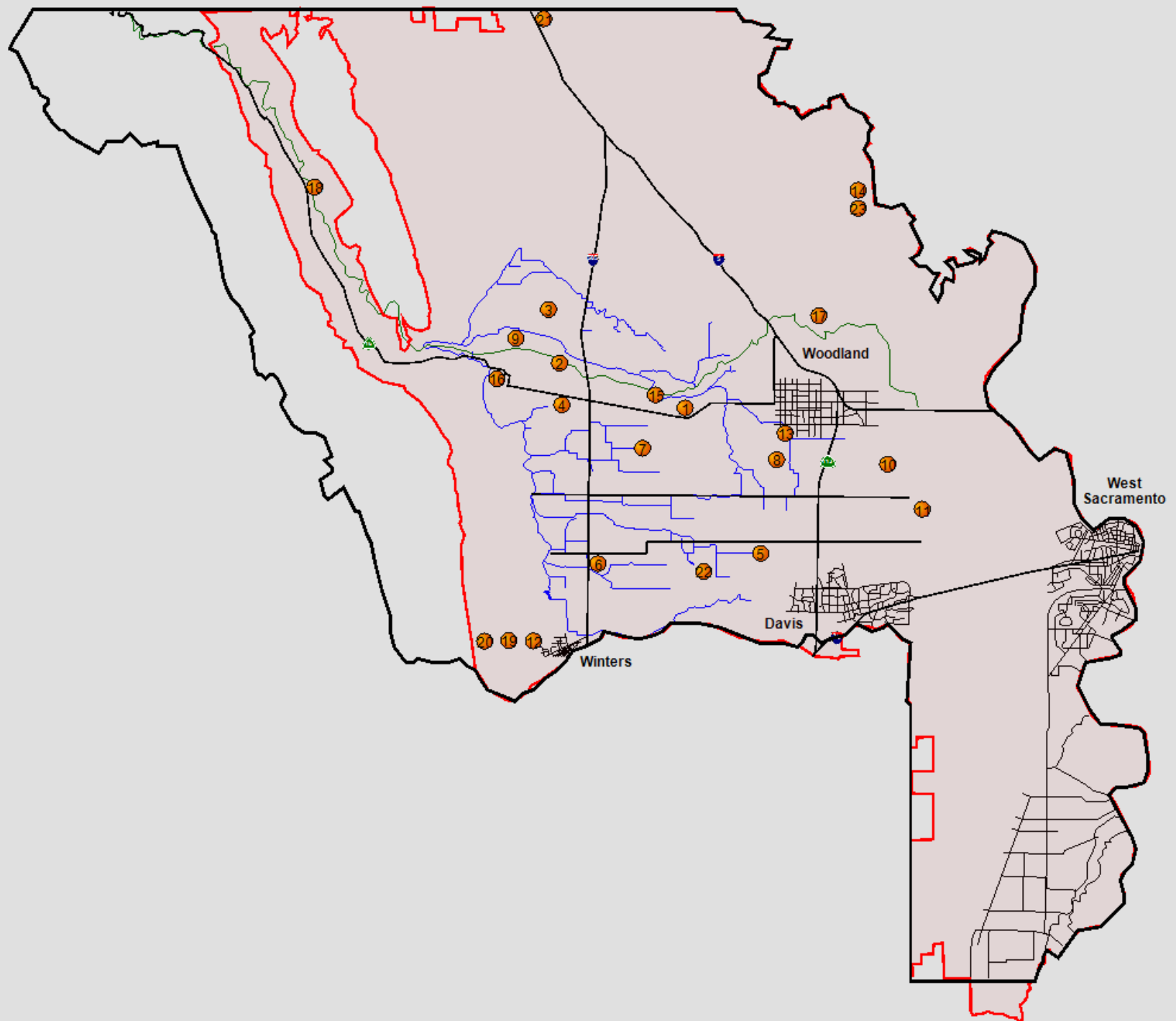
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Well Monitoring
Real-Time



SCADA Links	
Comparison Trends	
Comparison Table	
Legend	
Monitoring Site	●
YSGA	—
County	—

Well Monitoring

Depth to Water Historical Comparison

(Daily Average DTW in feet)

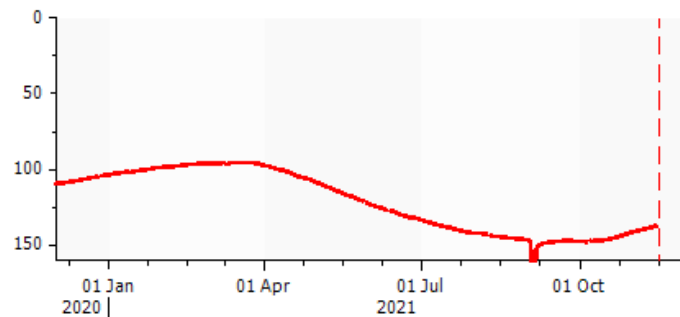
[SCADA Links](#)[Well Map](#)[Select Date](#)

11/15/21

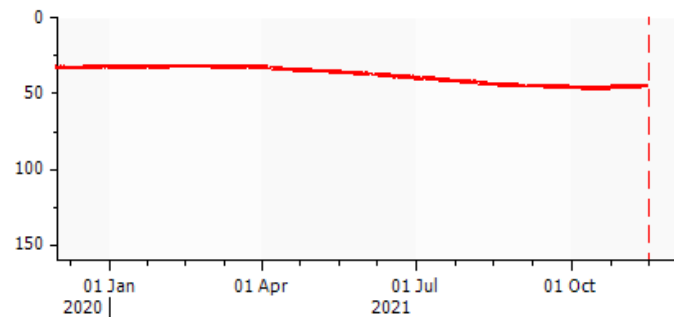
[Comparison Trends](#)[Comparison Table 2](#)

Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	<u>Δ 2020</u> <u>- 2021</u>	<u>Δ 2015</u> <u>- 2021</u>
1.	89.3	85.4	90.9	101.8	123.6	127.3	113.1	103.6	112.8	103.2	112.2	137.5	-25.3	-10.3
2.	33.9	29.9	46.9	37.4	52.9	50.7	39.2	30.8	32.6	31.5	32.6	44.7	-12.1	6.0
3.	46.0	38.4	43.5	51.1	74.7	70.5	56.1	39.7	43.5	39.7	43.6	65.7	-22.1	4.9
4.	31.3	26.9	28.1	33.5	49.0	48.4	35.9	27.3	29.4	27.9	32.2	43.8	-11.6	4.6
5.		19.6		27.4	36.2	39.3	37.2	24.8	26.6	20.7	28.8	37.4	-8.6	1.9
6.		31.2	38.7	44.9	55.1	57.0	43.0	31.0	39.3	33.7	39.3	51.9	-12.6	5.2
7.				20.2	40.0	44.1	28.0	21.8	24.8	21.7	29.9	41.1	-11.2	3.0
8.				51.9	72.4	73.3	66.4	49.5	54.3	43.0	52.5	68.5	-15.9	4.8
9.					76.3	72.5	56.5	41.1	44.7	43.9	45.9	67.0	-21.1	5.5
10.					48.8	55.3	38.3	24.7	44.2	25.8	42.2	41.5	.7	13.8
11.					22.7	22.4	16.6	12.9	18.2	14.5	19.9	19.6	.3	2.8
12.									122.7	111.6	124.3	128.9	-4.6	
13.								67.1	70.1	57.8	75.8	83.2	-7.3	
14.									12.5	12.0	14.5	14.1	.3	
15s.									41.9	38.5	47.6	48.8	-1.2	
15d.									146.3	136.0	160.7	191.0	-30.3	
16.										39.2	38.0	45.2	-7.2	
17.										21.3	25.6	33.7	-8.1	
18.										49.3	59.0	65.9	-7.0	
19.										176.1	185.0	197.8	-12.8	
20.										199.0	198.9	198.9	-.0	
21.										120.8	128.6	138.3	-9.8	
22.												78.3		
23.												40.7		

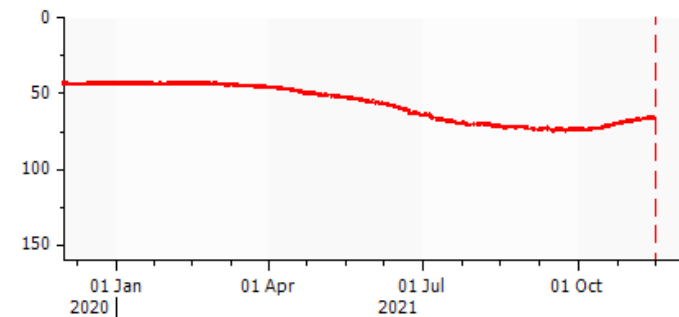
1. HQ Well Depth to Water



2. Syar Well Depth to Water



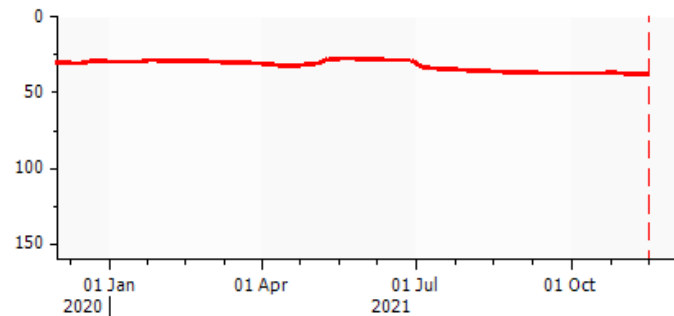
3. Lopez Well Depth to Water



4. Madison Well Depth to Water



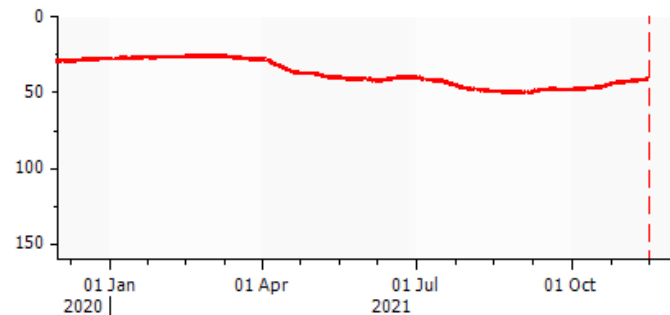
5. Eoff Well Depth to Water



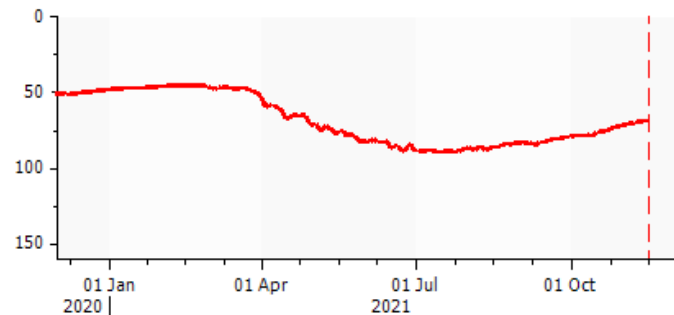
6. Chickahominy Well Depth to Water



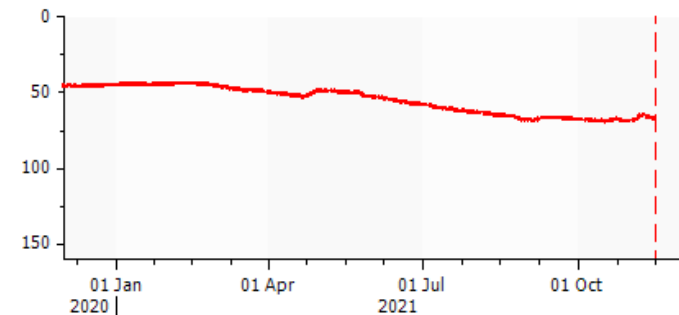
7. Beeman Well Depth to Water



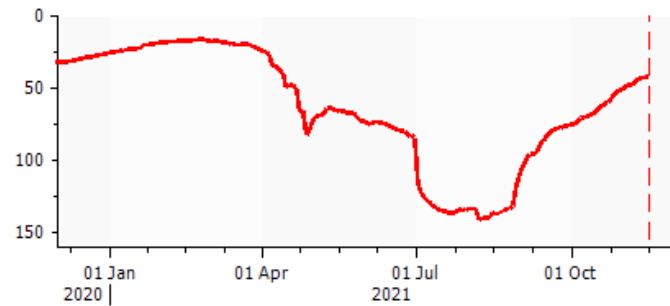
8. Harlan Well Depth to Water



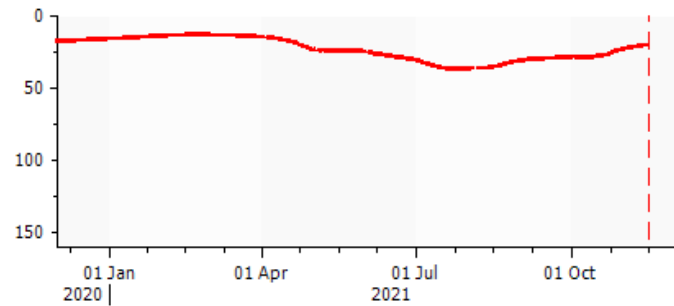
9. Teichert Well Depth to Water



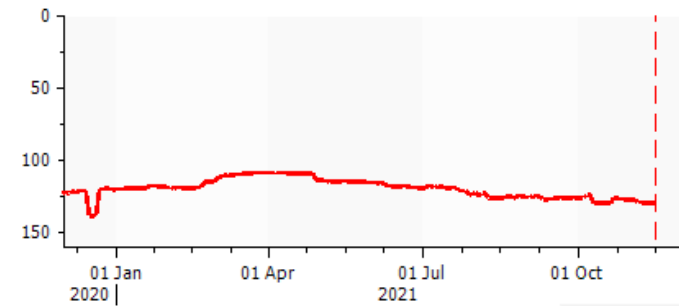
10. RD2035 MW-2D Depth to Water

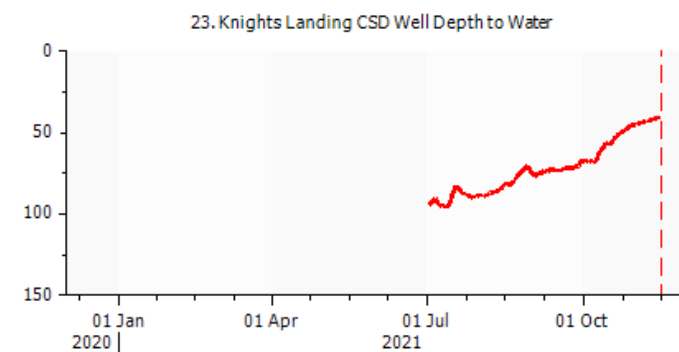
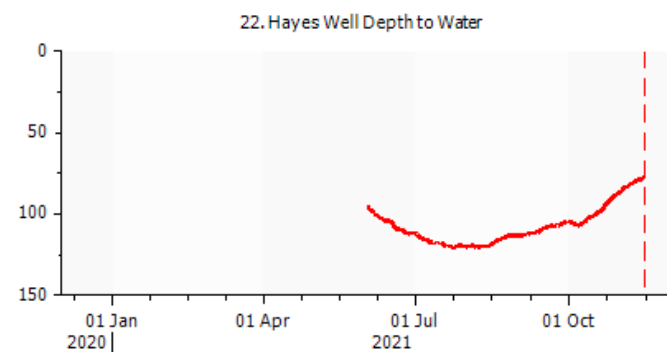
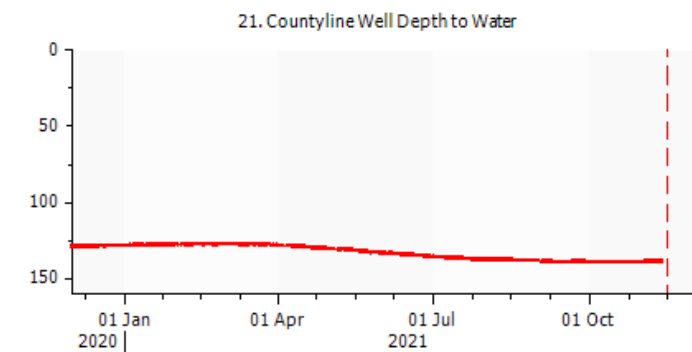
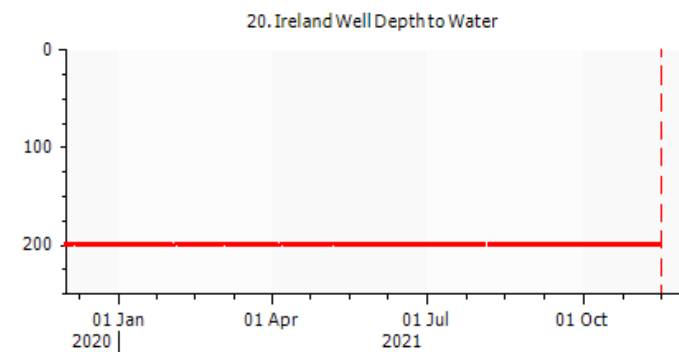
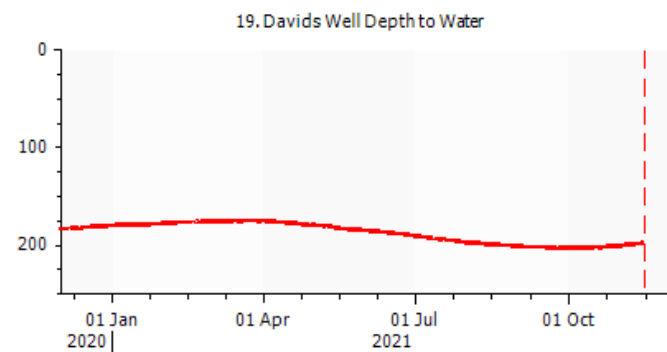
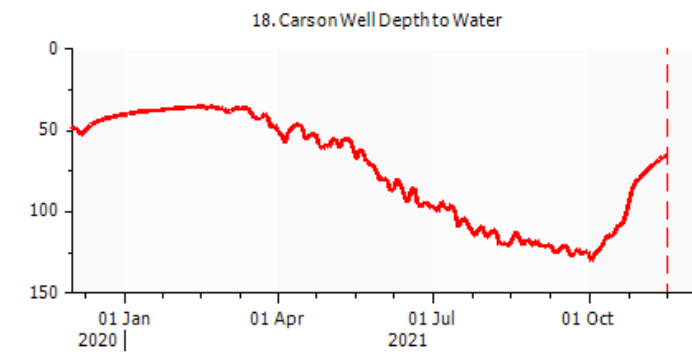
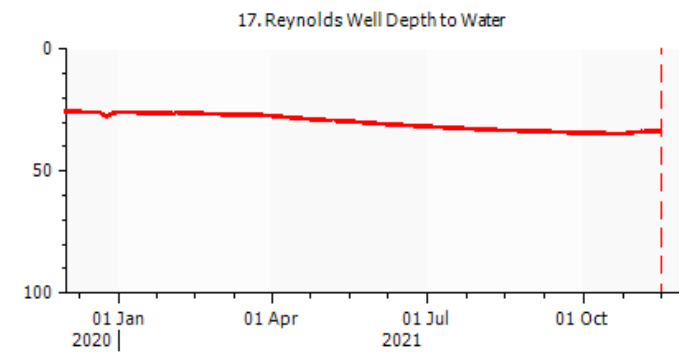
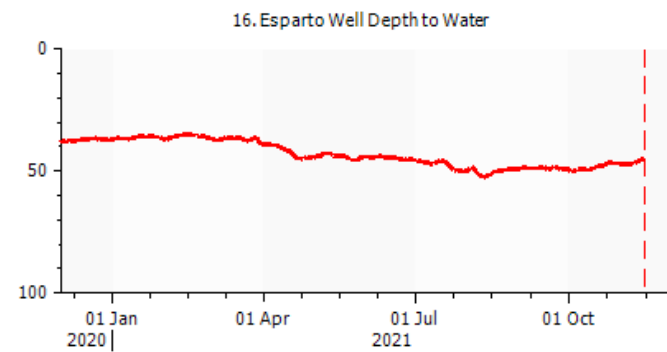
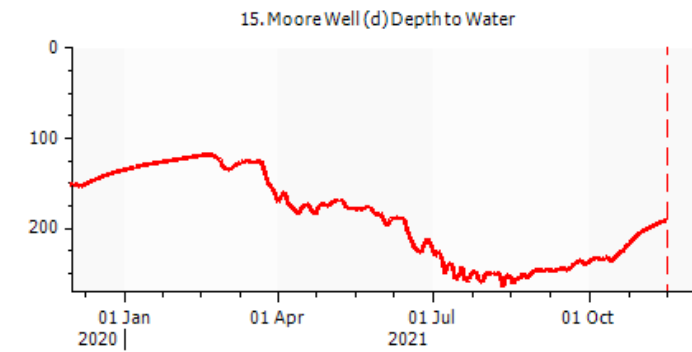
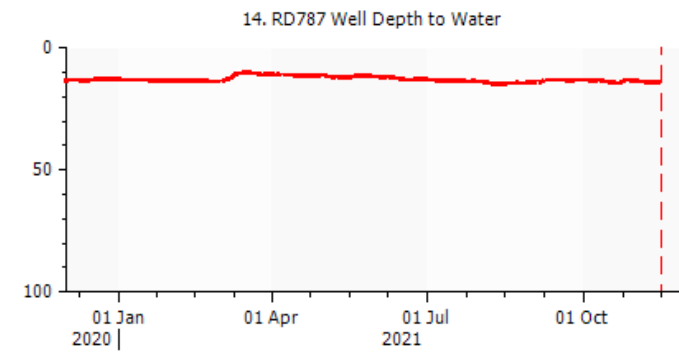
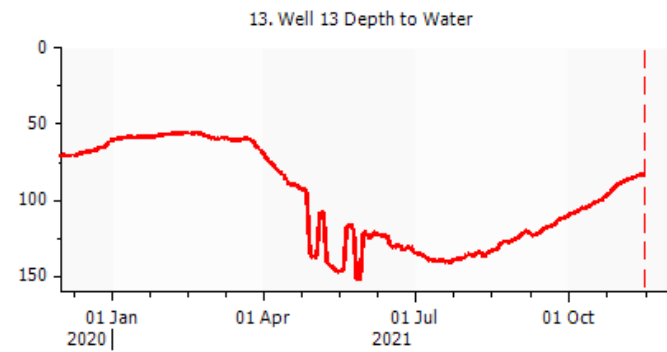


11. RD2035 MW-4D Depth to Water



12. Hunter Well Depth to Water

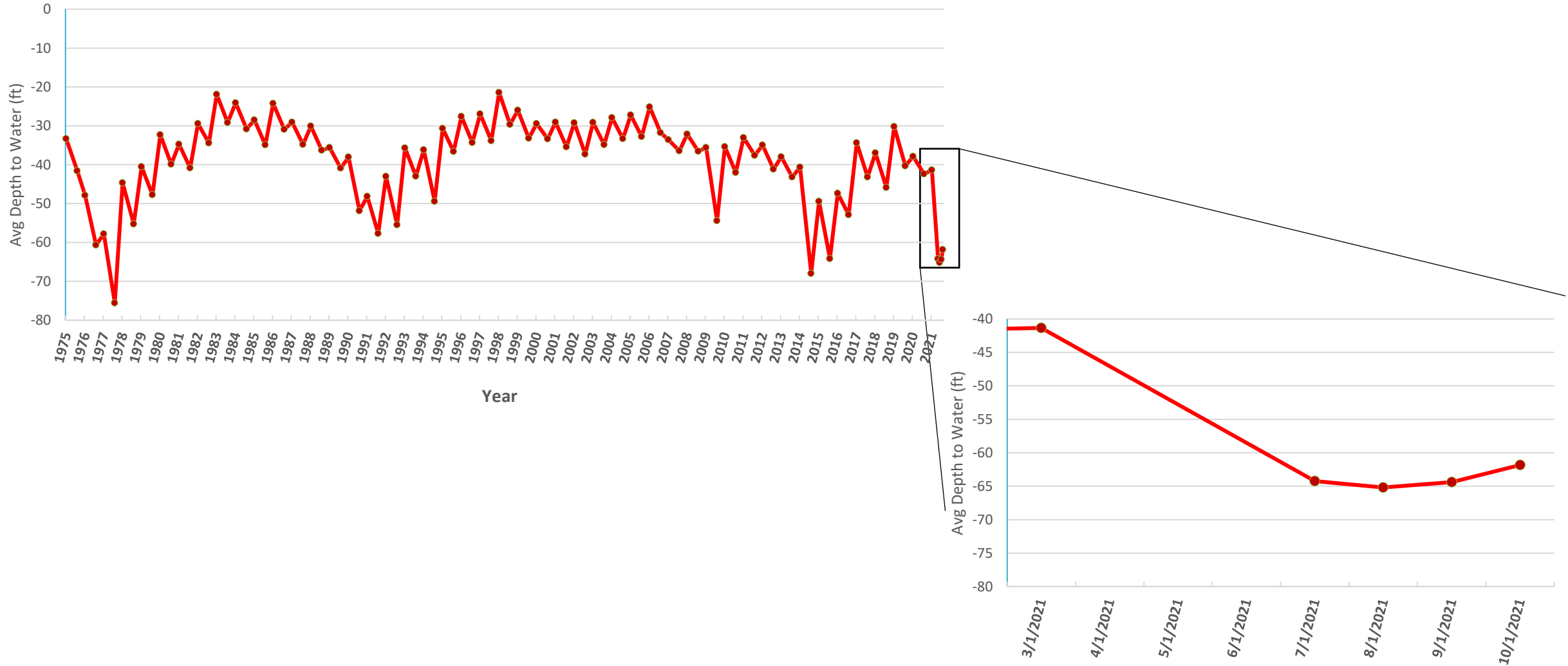




YFCF&WCD Average Hydrograph October 2021

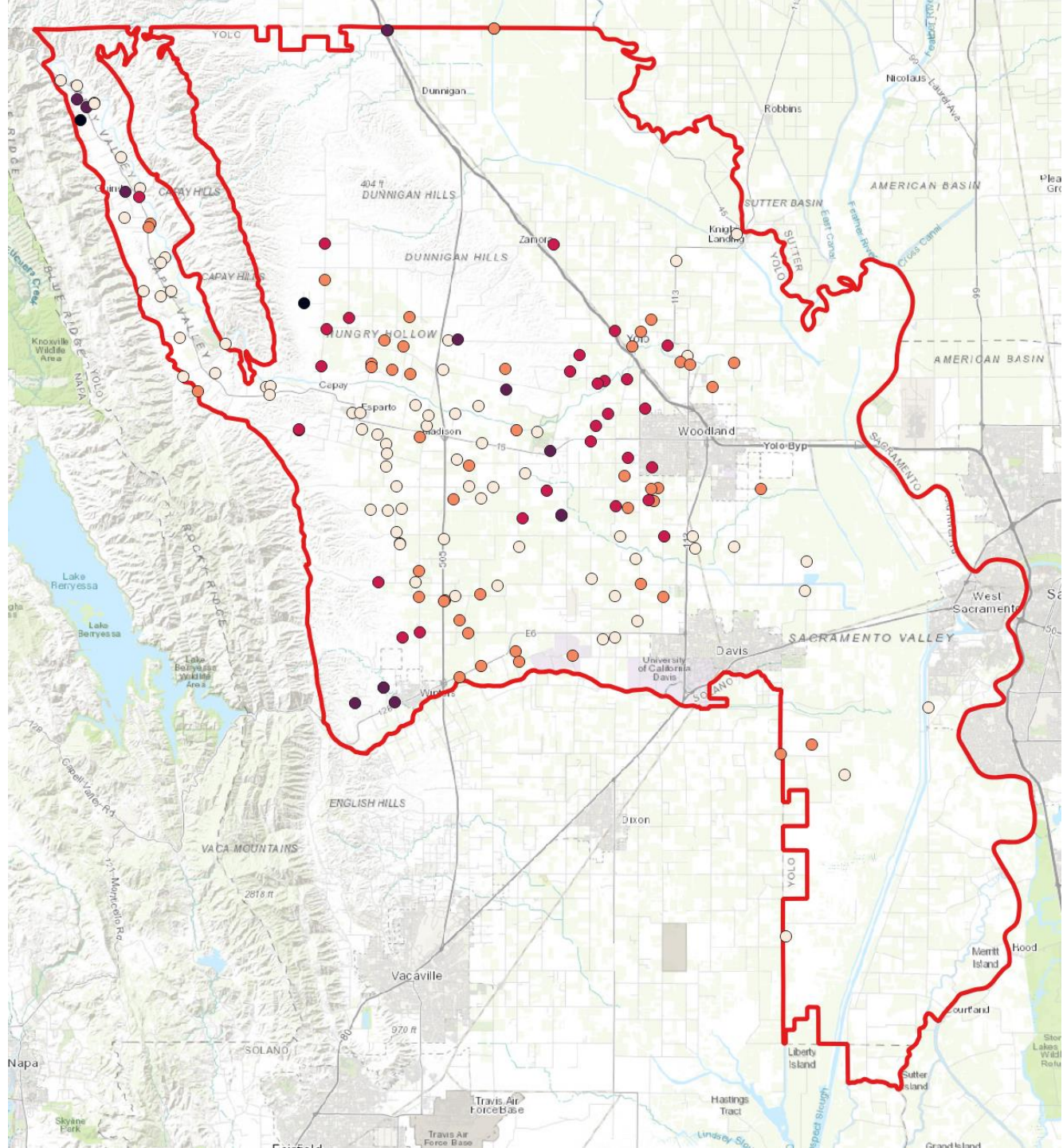
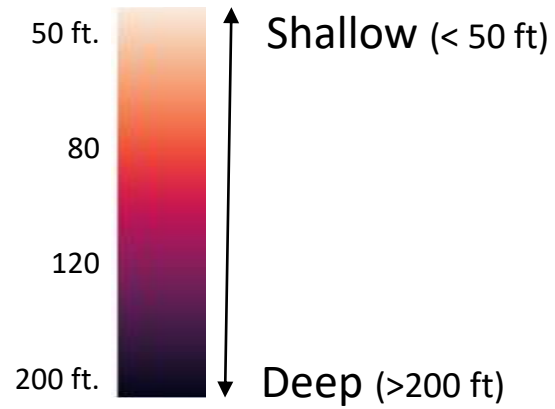
YFCF&WCD Average Groundwater

Depth by Season (Oct. 2021 is 108 wells)



October 2021 Depth to water

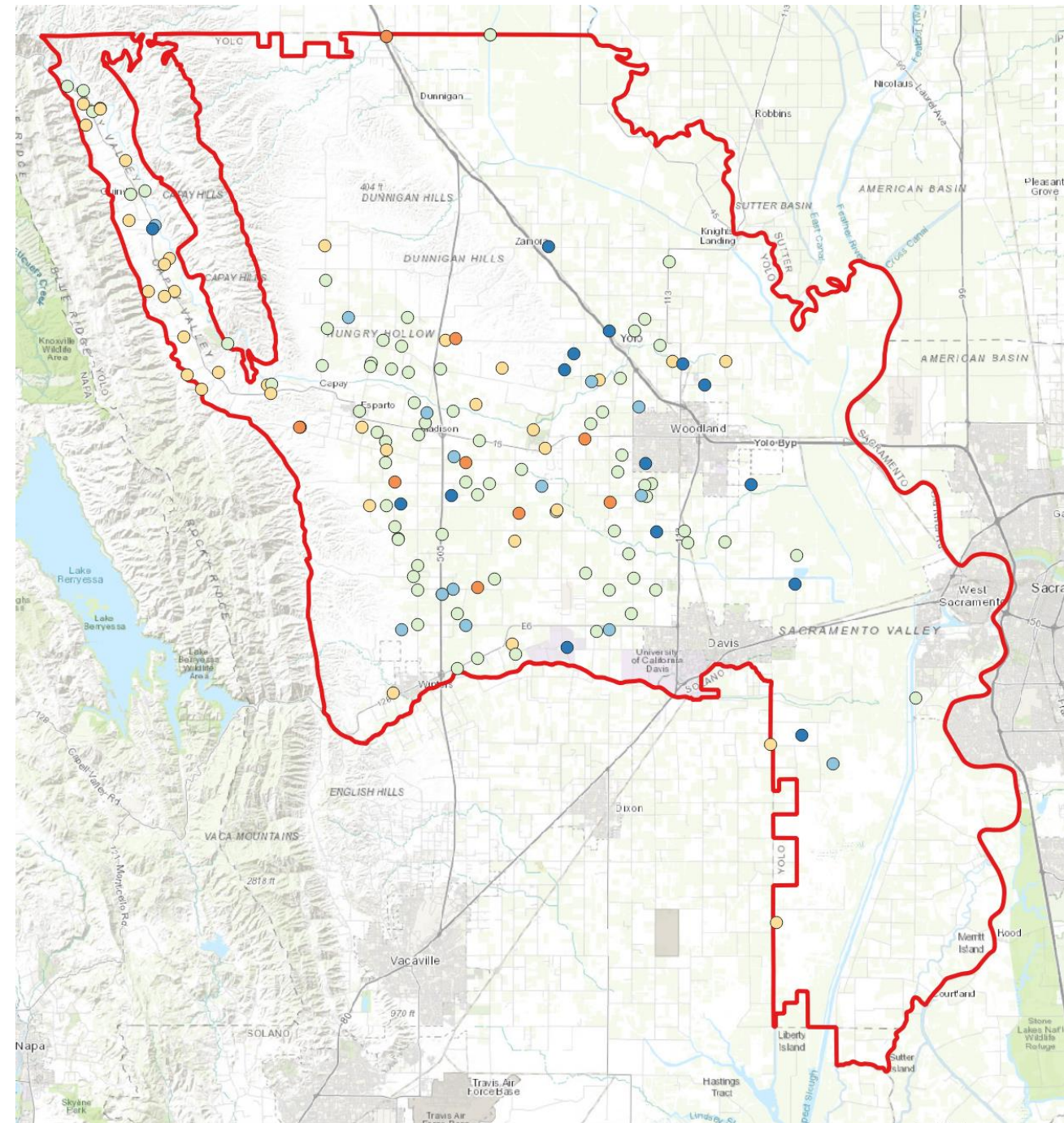
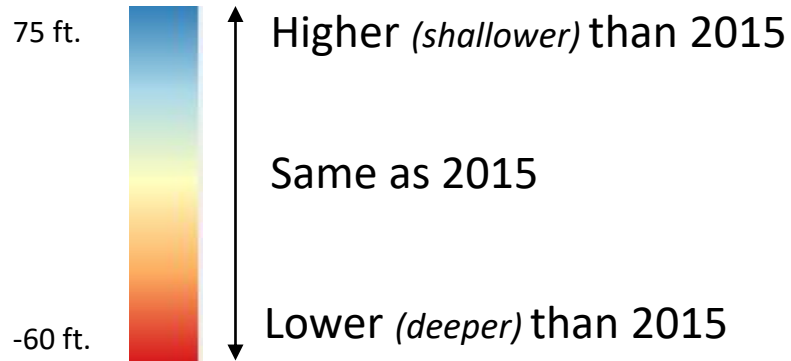
- Incorporates YCFC&WCD network & DWR measurements from September



Comparison with 2015 Drought

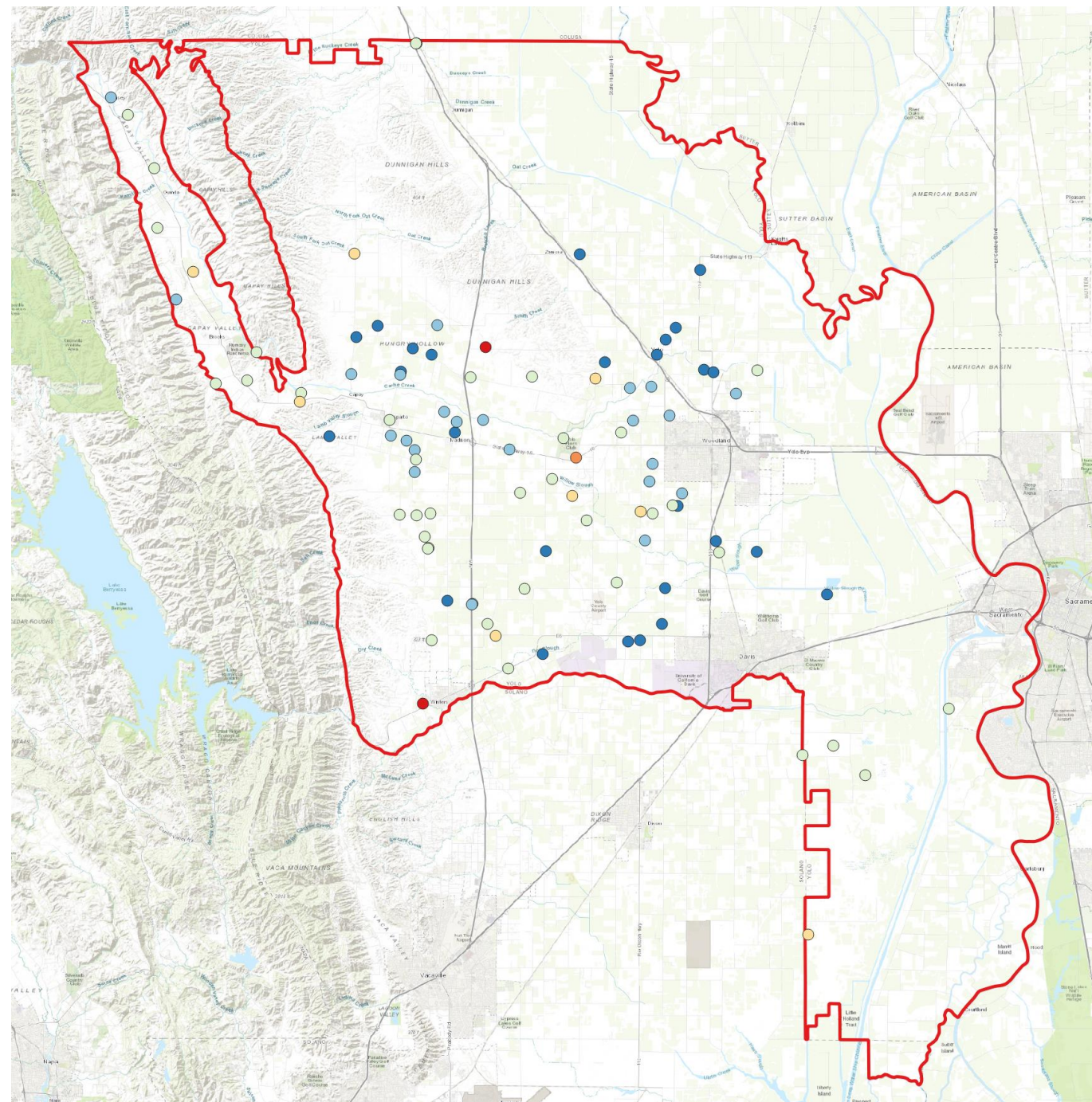
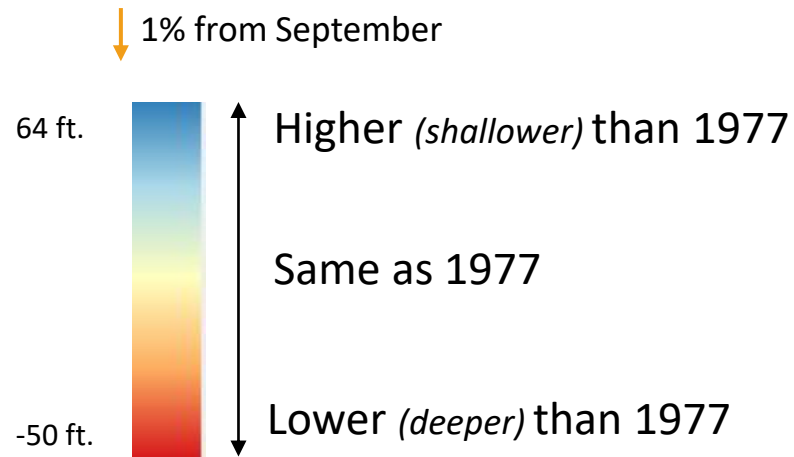
- October 2021 DTW compared to max DTW 2014-2015
- 30% of wells are at or below 2015 low

↑ 2% from September



Comparison with 1977 Drought

- October 2021 DTW compared to Max DTW 1976-1978
- 11% of wells are at or below 1977 low



Next Steps from 11/3 DCPC Meeting

- Action Items

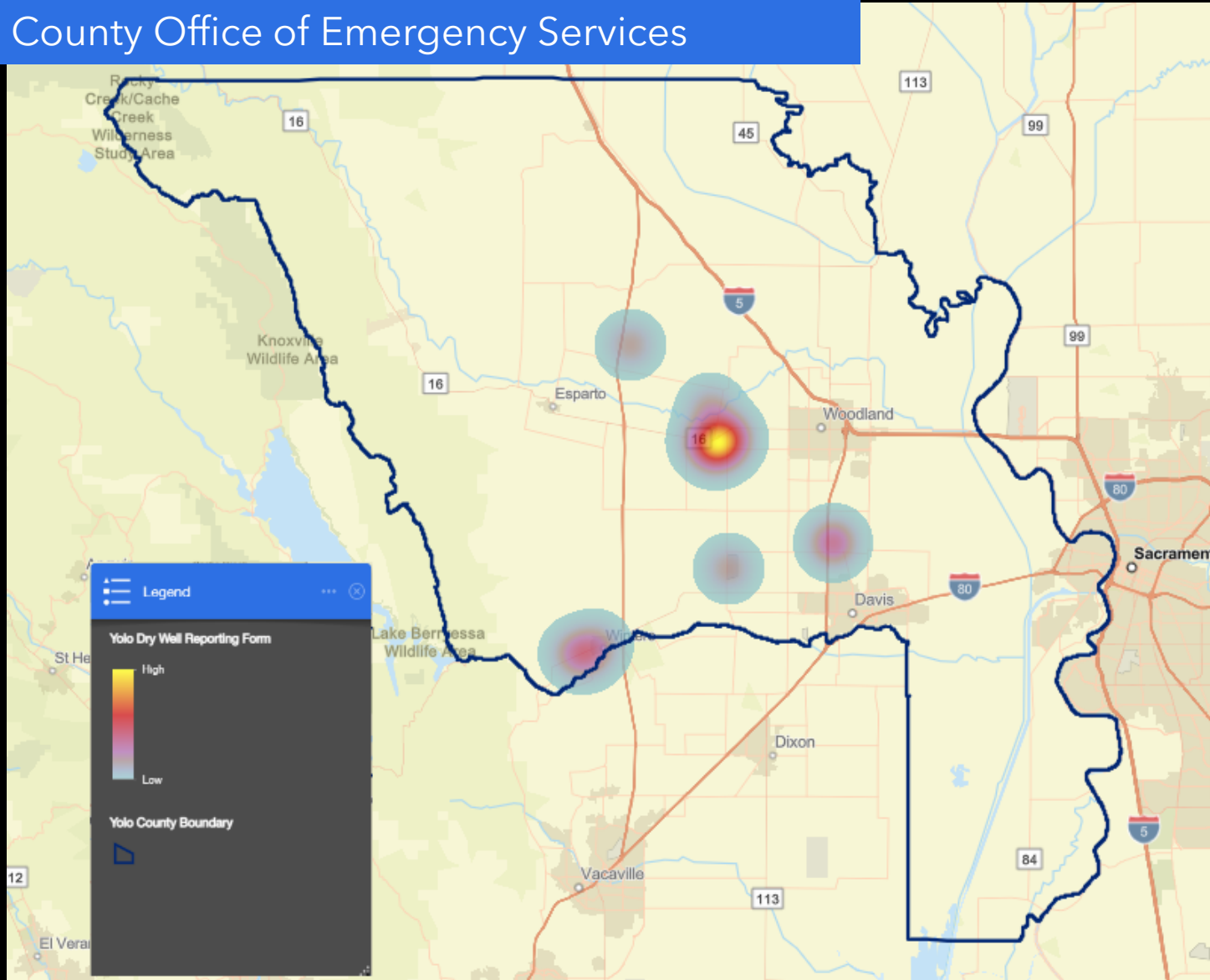
- Create map of dry well reports with total well depth (contour maps?)
- Request Yolo County DEH provide new well permit requests to YSGA for review; enhance well permitting process (better information collected)
- Develop GSP Preface
 - Includes recognition of potential high-level, demand management strategies that can be considered during dry years
 - And recognizes that the YSGA needs to define what the problem is before developing the appropriate demand management strategies
- Communications Plan outline for DCPC review
 - 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 – December 8, 2021

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Yolo County Office of Emergency Services



Yolo - Dry Well Reports During Droughts

*as of 11/12/21 ~ 22 dry wells reported

Woodland Davis Clean Water Agency

4. Madison Well Depth to Water

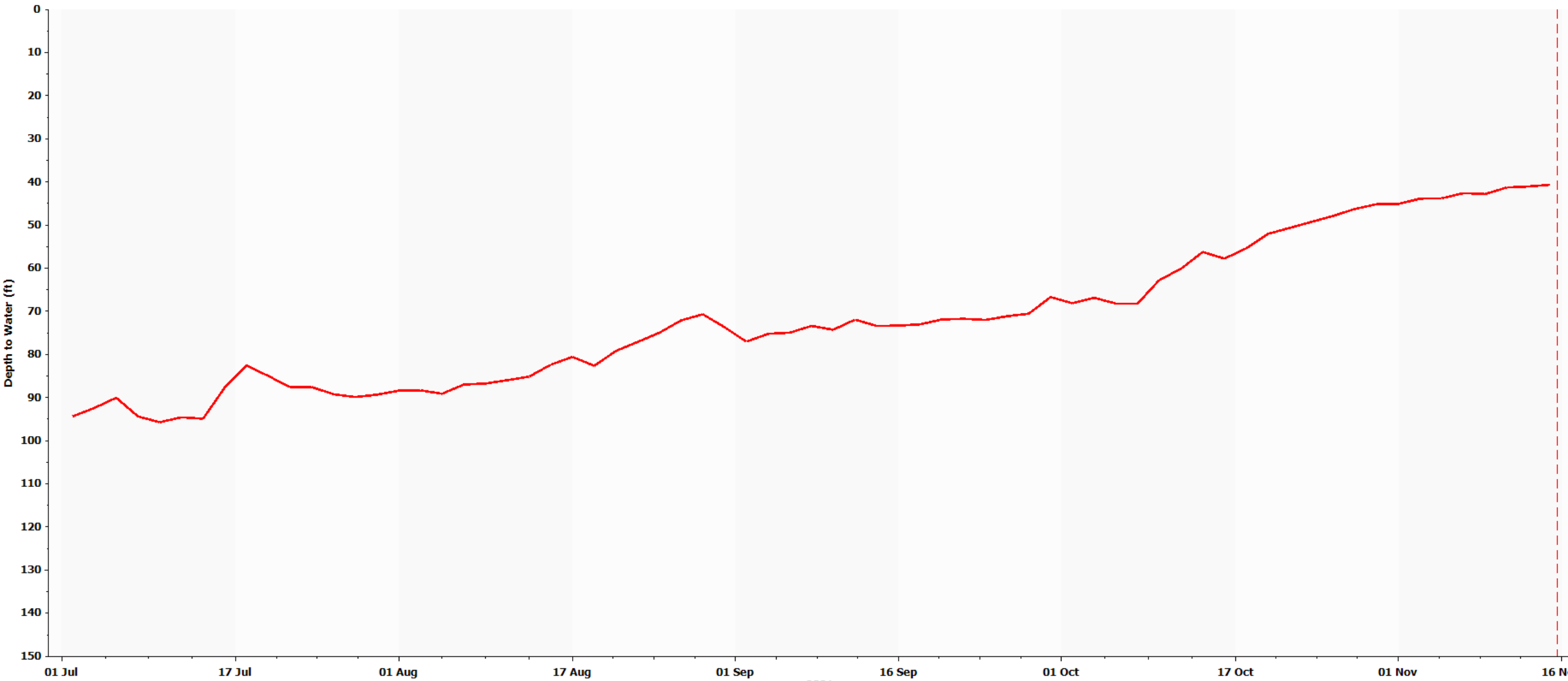


Trace Ruler

◆ Madison Well Depth to Water (Weekly Minimum)

Depth to Water as of November 15, 2021 = 43.6 feet

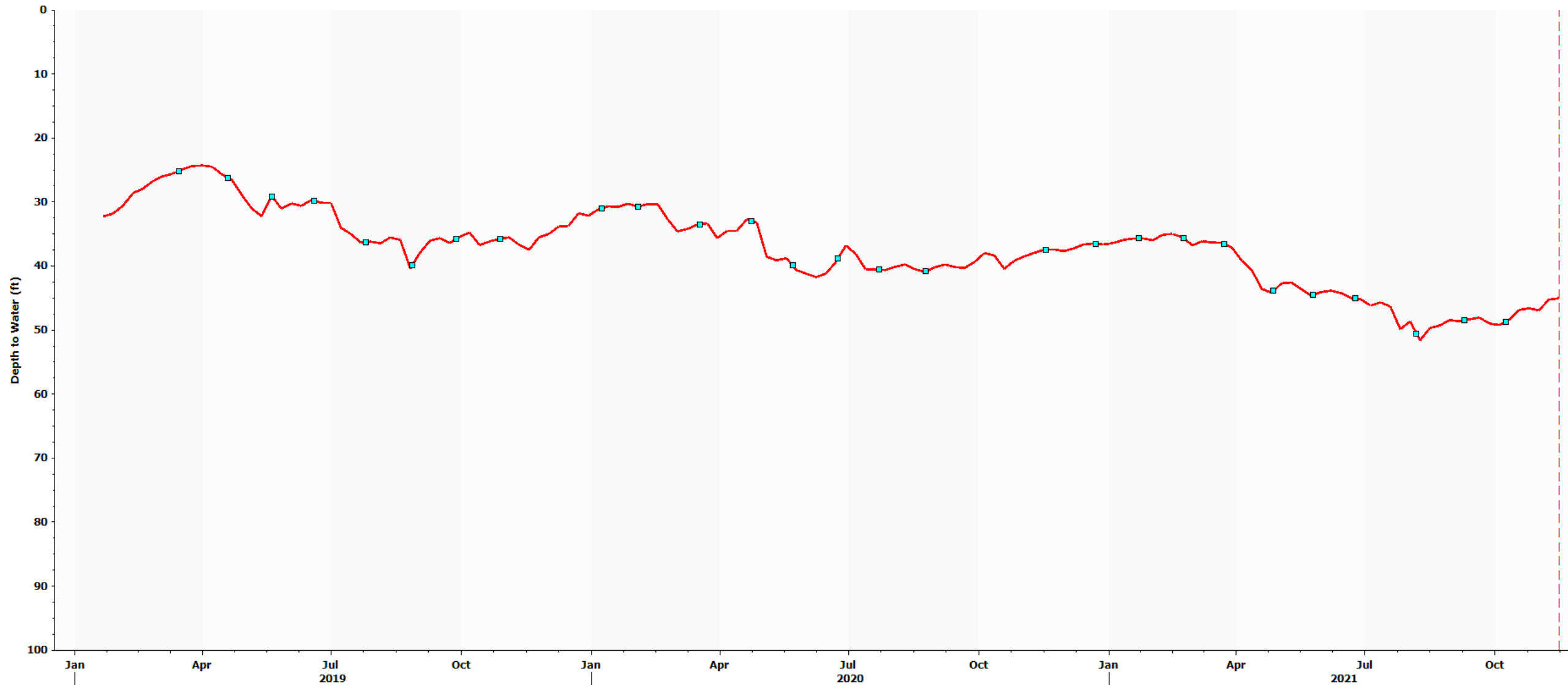
23. Knights Landing CSD Well Depth to Water



Trace	Ruler	Latest Value
◆ Knights Landing CSD Well Depth to Water (Weekly Minimum)	-	11/13/2021 1:30:48.623 PM 40.66

Depth to Water as of November 15, 2021 = 40.7 feet

16. Esparto Well Depth to Water



Trace Ruler

Esparto Well Depth to Water (Weekly Minimum)

Depth to Water as of November 15, 2021 = 45.0 feet

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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

Water Budget/Model Concerns

- Model assumptions and inherent uncertainty
- Lack of land use projects
- Accuracy of climate scenarios
- Modeled water scenarios (2021 curtailments)
- Base of fresh water/modeled bottom of the basin
- Sensitivity Analysis/Calibration

Management Actions Concerns

- Uncertainty of enforcement of sustainability or nexus between MTs and avoidance of URs
- Declining groundwater levels in the Hungry Hollow Area Community
- Ability or willingness of YSGA to intervene to prevent exceedance of MTs – land use policy, well permitting conditions, etc.

Water Quality Concerns

- Lack of specific SMC and monitoring network for WQ
- Uncertainty with how existing program data will be integrated
- Unclear whether YSGA will intervene to protect WQ of Beneficial Users

Environment Concerns

- Identification and characterization of ISWs and GDEs
- Impacts of SMCs on environment not fully considered – do MTs protect vegetation and ISWs?
- Characterization of managed wetlands and model input

Projects Concerns

- Objections to proposed projects
- Suggestions for additional projects
- Considerations when evaluating and implementing projects
- Concern over transparency of the project prioritization and implementation process

Update on GSP Development

Continued work on GSP sections and incorporating/responding to comments by GSP Technical Team



Working Group Meeting - mid-December?



Final Draft to YSGA Board of Directors by 12/24/21



YSGA Board of Directors Adoption at 1/10/22 Meeting

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