



YSGA BOARD OF DIRECTORS MEETING

November 20, 2023

Agenda

- 1. Call to Order and Determination of Quorum**
2. Adding Items to the Posted Agenda
3. Public Forum
4. CONSIDERATION - Consent Items
5. Report of the Chair and Executive Officer
6. CONSIDERATION: Fiscal Year 2023/24 Budget
7. CONSIDERATION - Well Permit Review Procedures
8. Member's Reports and Future Agenda Items
9. Next Meeting - January 22, 2024
10. Adjournment

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Consideration: Consent Items

- a) Adopt 2024 Board of Directors Meeting Dates: 1/22, 3/18, 5/20, 7/15, 9/16, and 11/18/24
- b) Approve September 18 Regular and October 27 Special Board of Directors Meeting Minutes
- c) Receive Fiscal Year 23/24 Financial Statements: 9/16 - 11/17/23
- d) Receive minutes of Executive Committee: 8/21, 9/28, and 10/23

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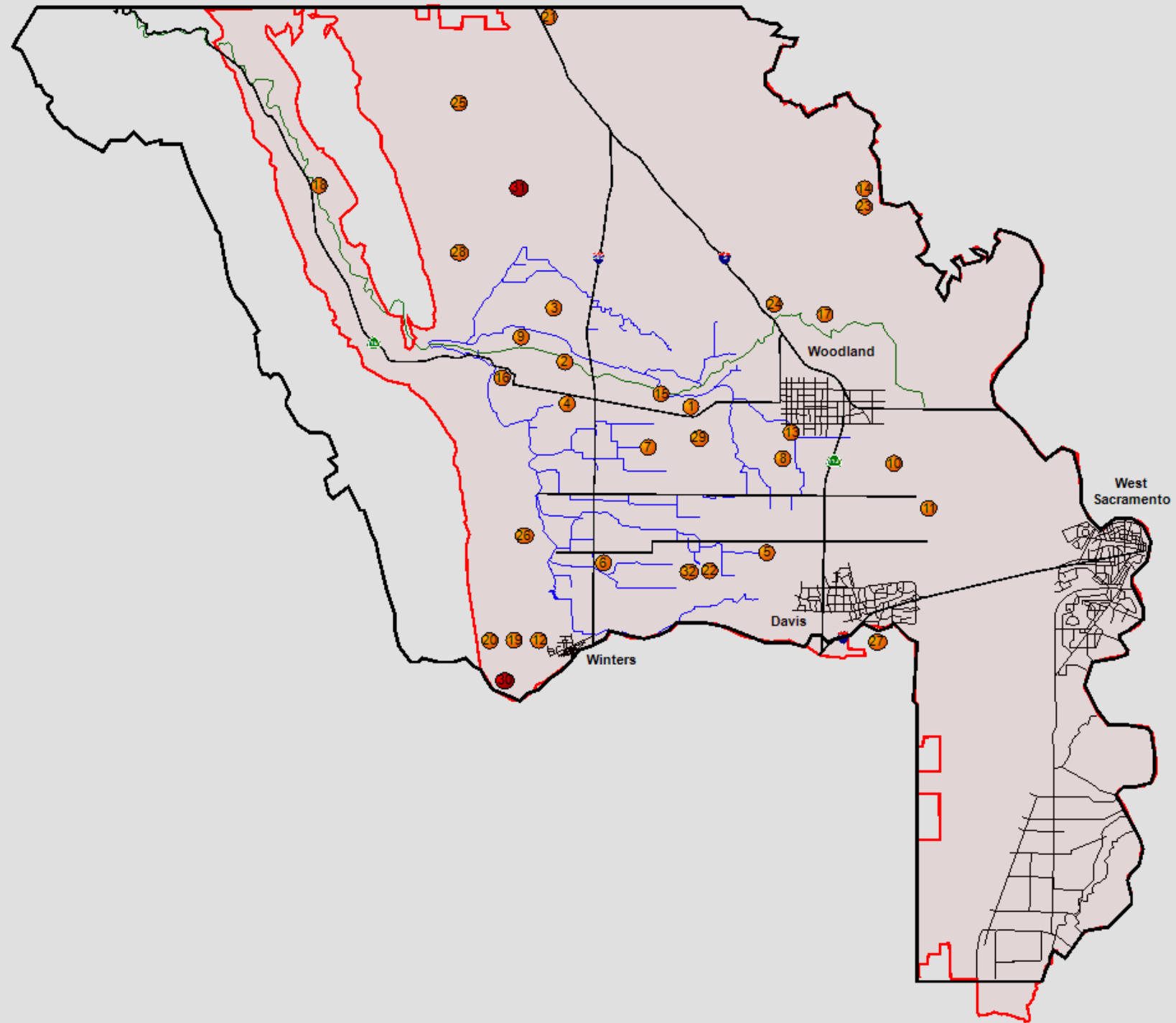


Press release from the Sites JPA

The Sites Project Authority, as the lead agency under the California Environmental Quality Act, has certified the Final Environmental Impact Report (Final EIR) and approved the Sites Reservoir Project (Project). This important milestone is the culmination of years of planning and a collaborative effort to increase the reliability of statewide water supplies for environmental, agricultural, and urban uses. With this certification, the Authority will be working to move the project forward through the final planning stages and on to construction.







Well Monitoring
Continuous



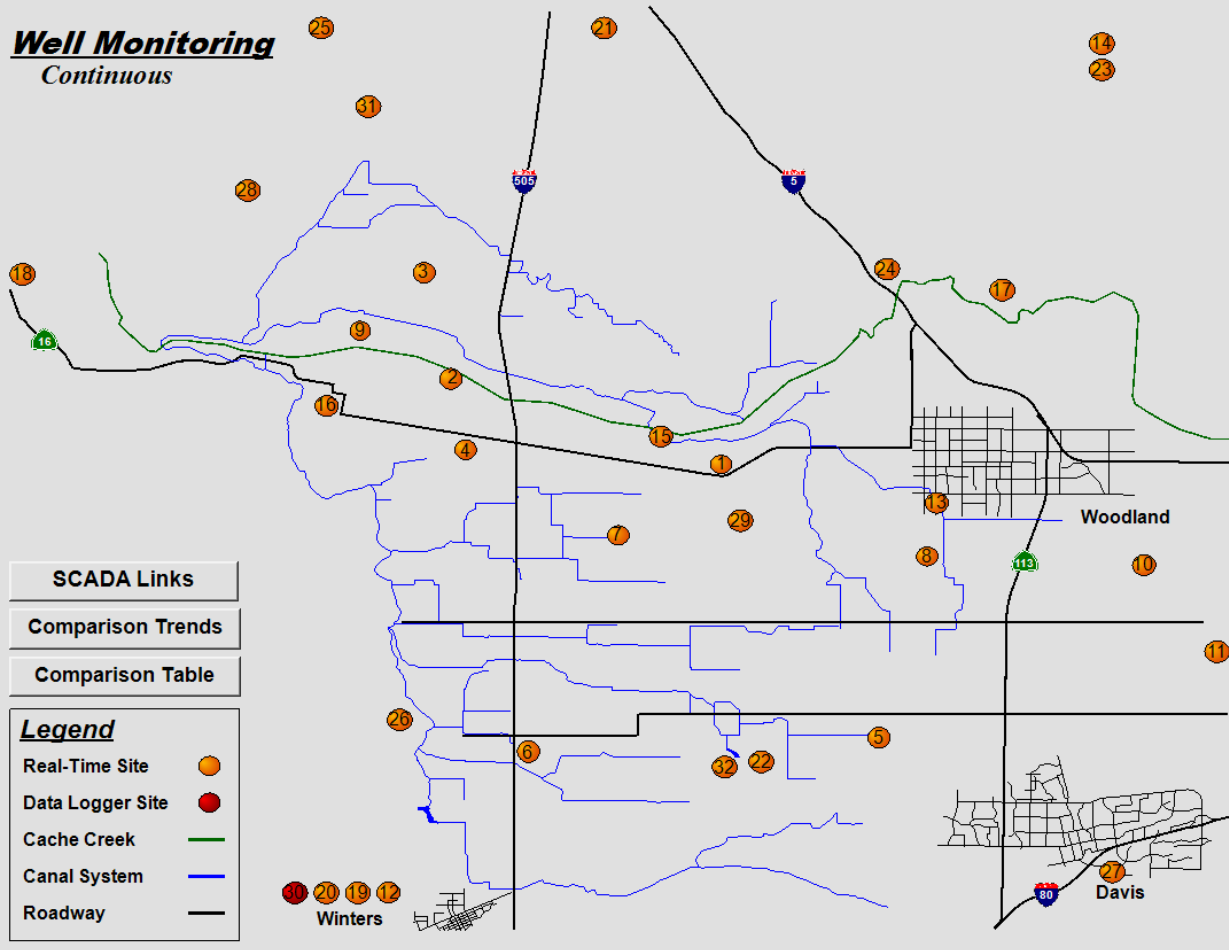
- SCADA Links
- Comparison Trends
- Comparison Table

Legend

- Real-Time Site 
- Data Logger Site 
- YSGA 
- County 

Well Monitoring

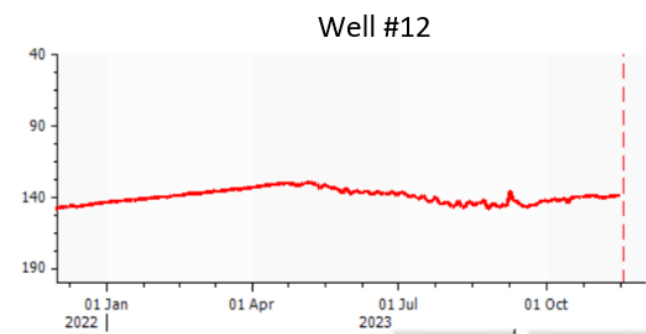
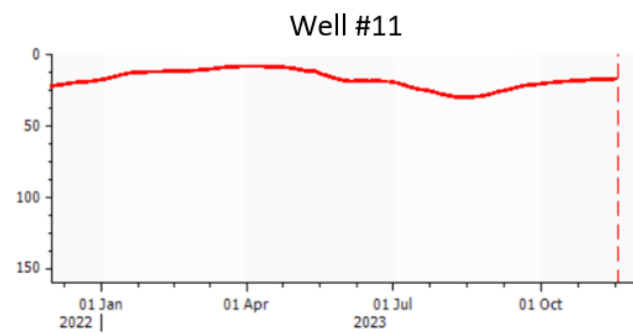
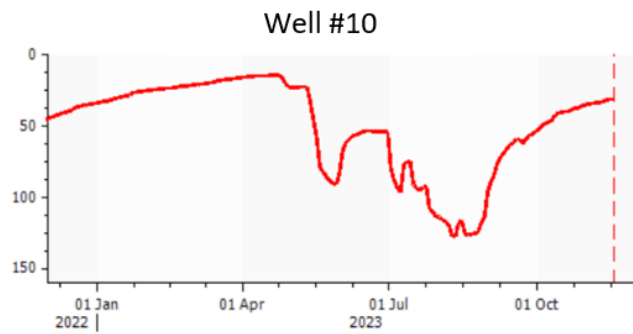
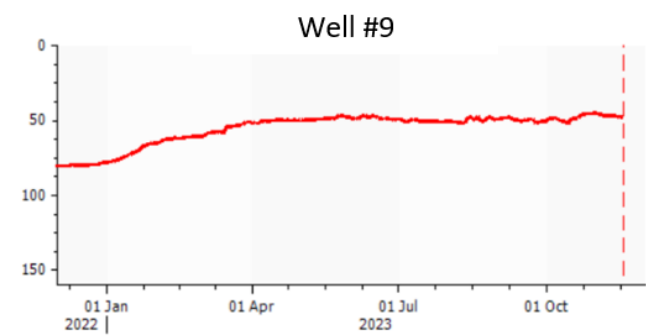
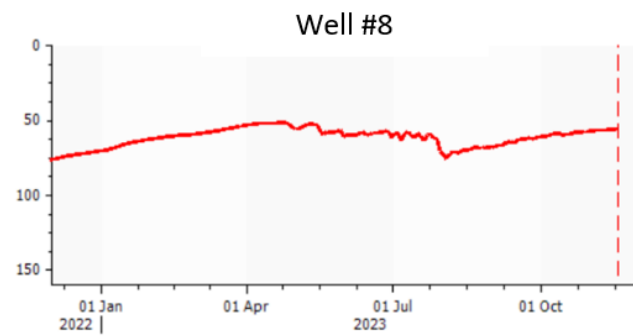
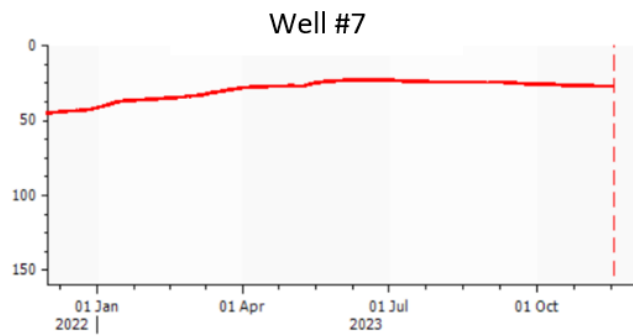
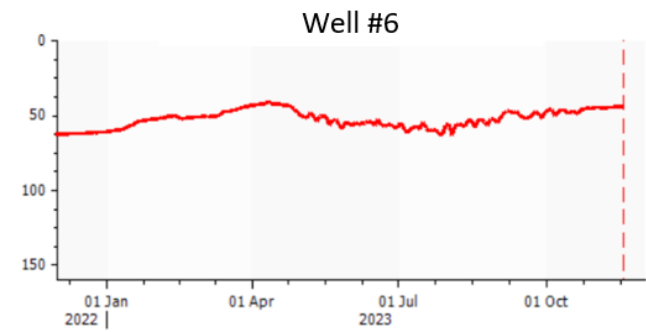
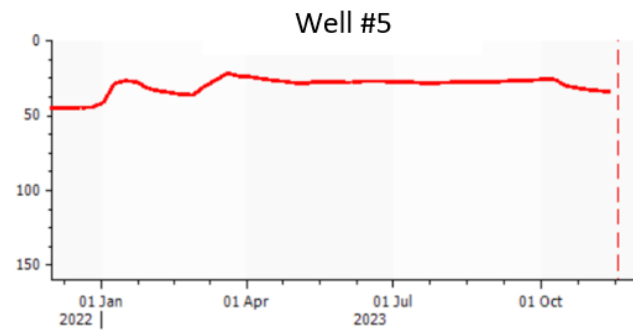
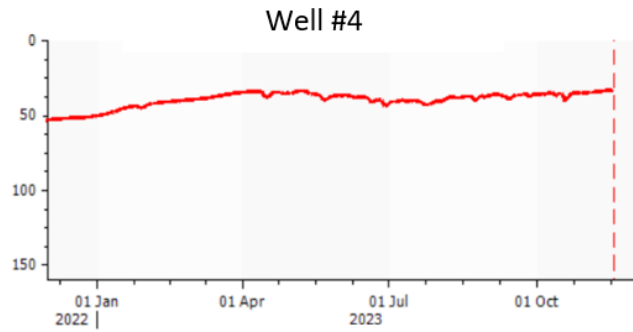
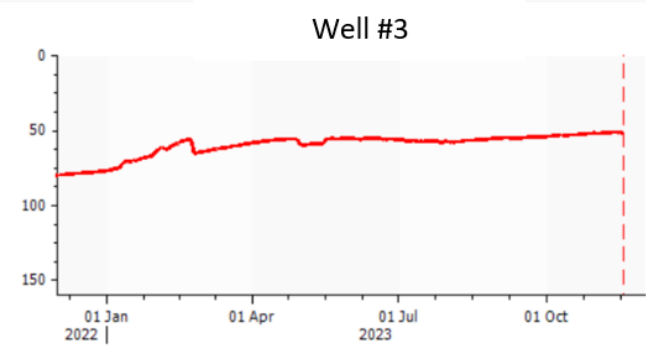
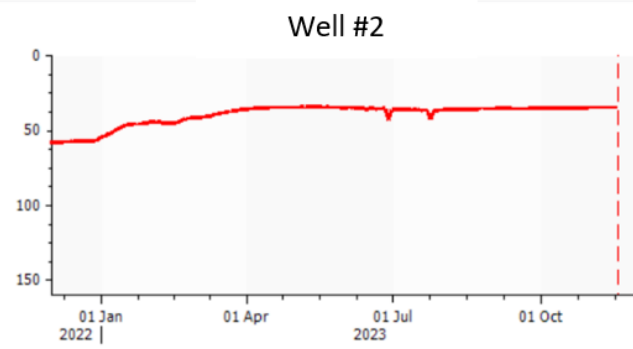
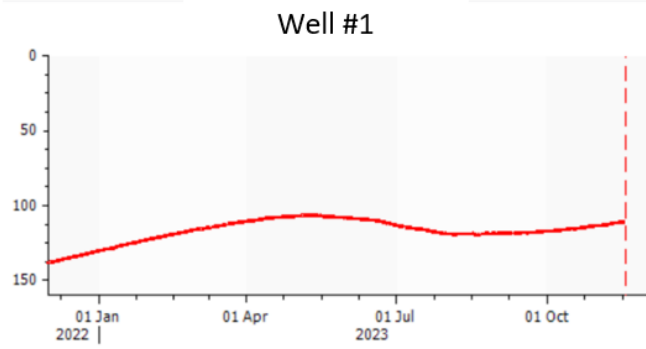
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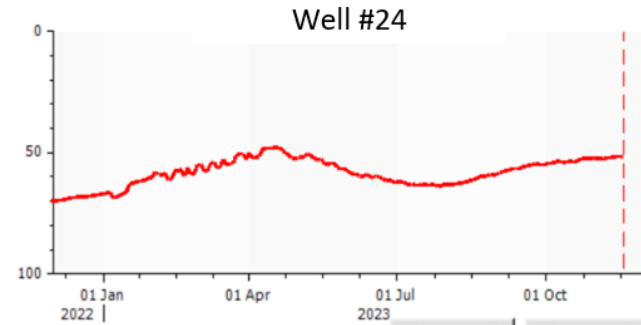
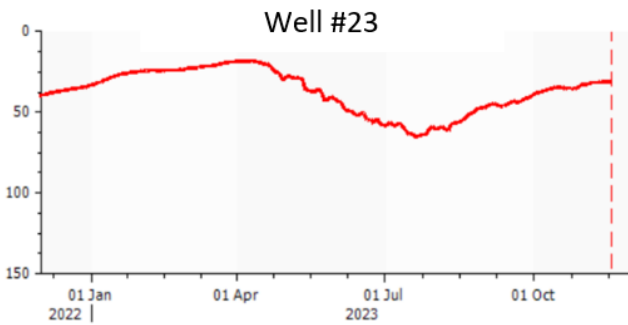
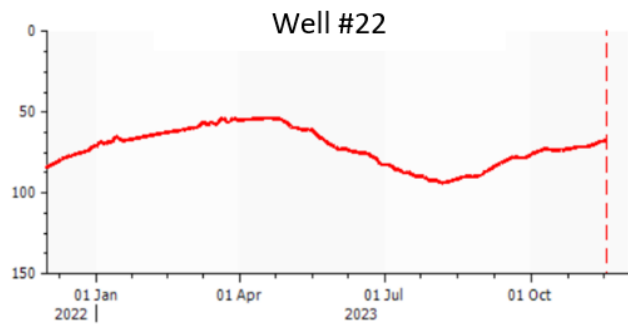
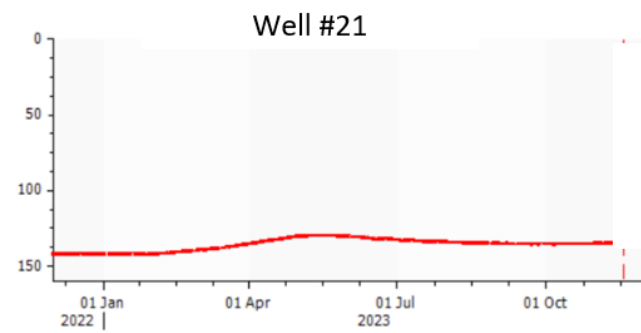
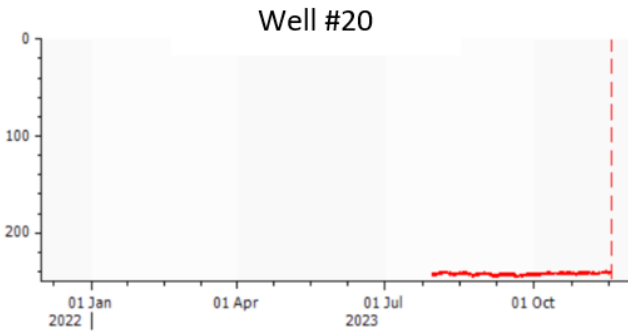
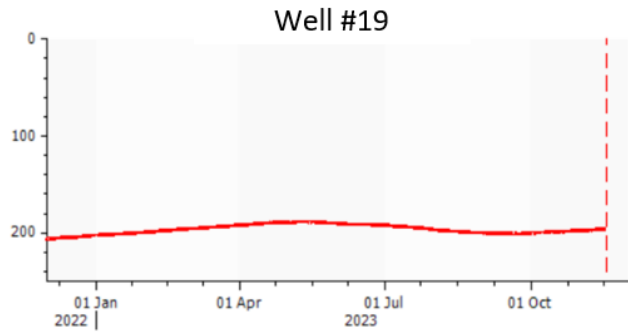
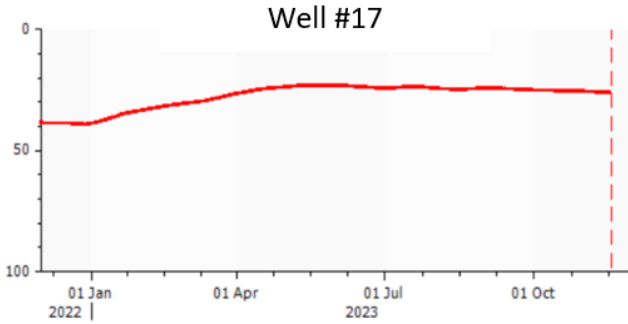
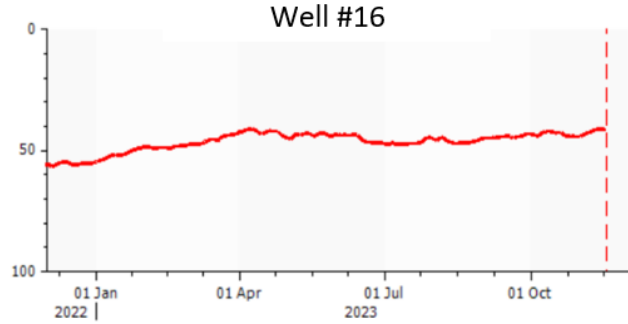
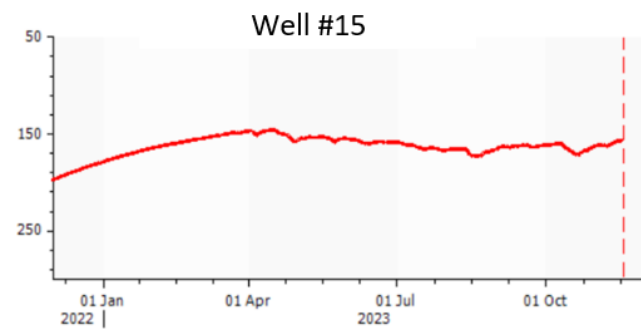
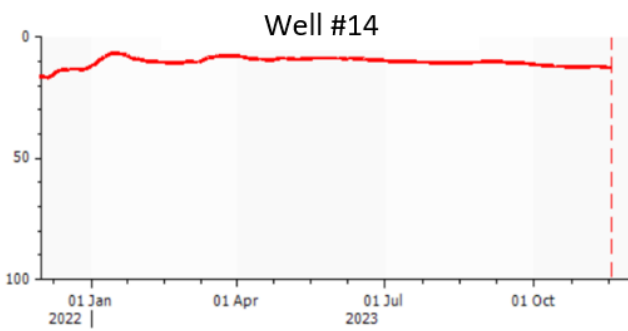
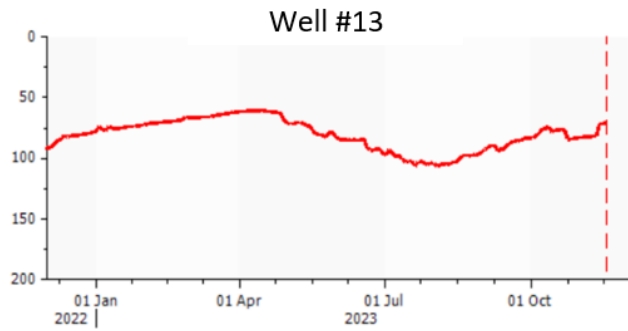


Well Monitoring

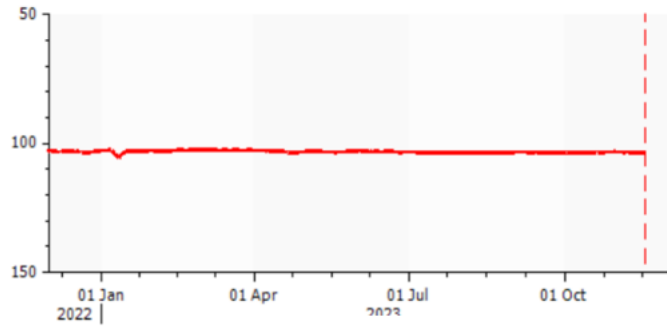
Depth to Water Historical Comparison
(Daily Average DTW in feet)

Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Δ 2022 - 2023	Δ 2015 - 2023
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	142.8	112.4	30.4	14.9
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	57.8	34.2	23.7	16.5
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	82.3	51.3	31.1	19.3
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	54.2	33.3	21.0	15.2
5.		19.6		27.4	36.2	39.3	37.2	24.8	26.6	20.7	28.8	37.4	44.5	34.1	10.4	5.3
6.		31.2	38.7	44.9	55.1	57.0	43.0	31.0	39.3	33.7	39.3	51.9	64.9	44.0	20.9	13.0
7.				40.0	40.0	44.1	28.0	21.8	24.8	21.7	29.9	41.1	46.2	26.8	19.4	17.2
8.				51.9	72.4	73.3	66.4	49.5	54.3	43.0	52.5	68.5	76.3	56.4	19.9	16.9
9.					76.3	72.5	56.5	41.1	44.7	43.9	45.9	67.0	81.0	48.1	32.8	24.4
10.					48.8	55.3	38.3	24.7	44.2	25.8	42.2	41.5	47.9	31.6	16.3	23.7
11.					22.7	22.4	16.6	12.9	18.2	14.5	19.9	19.6	23.3	16.8	6.5	5.6
12.										118.6	128.9	138.6	150.0	138.7	11.2	
13.								67.1	70.1	57.8	75.8	83.2	95.2	71.8	23.4	
14.									12.5	12.0	14.5	14.1	17.7	12.5	5.2	
15s.									41.9	38.5	47.6	48.8	50.0	39.3	10.6	
15d.									146.3	136.0	160.7	191.0	212.1	157.2	54.9	
16.									41.9	39.2	38.0	45.2	56.7	41.0	15.7	
17.										21.3	25.6	33.7	38.2	25.8	12.4	
18.										49.3	59.0	65.9	69.8	35.4	34.4	
19.										176.1	185.0	197.8	209.3	196.1	13.1	
20.														241.0		
21.											128.6	138.3	141.8	134.4	7.4	
22.												78.3	92.7	68.8	23.9	
23.												41.0	47.6	31.4	16.2	
24.													71.8	51.6	20.2	
25.													102.9	103.5	-5	
26.													120.4	86.9	32.4	
27.													60.1	52.9	7.1	
28.													155.0	150.3	4.7	
29.													130.0	84.3	45.7	
30.													119.4	117.0	2.4	
31.													263.8	211.8	52.0	
32.														132.4		

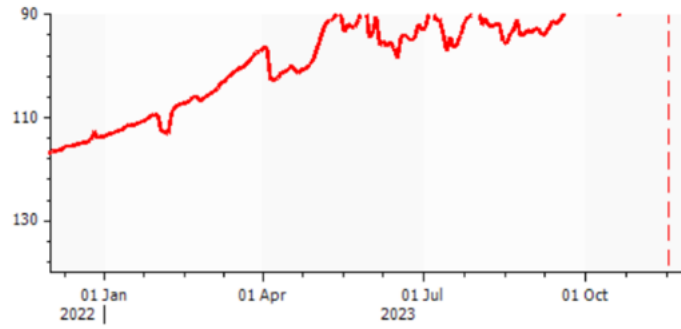




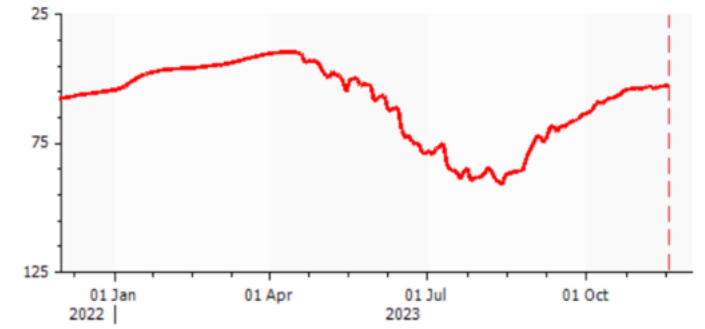
Well #25



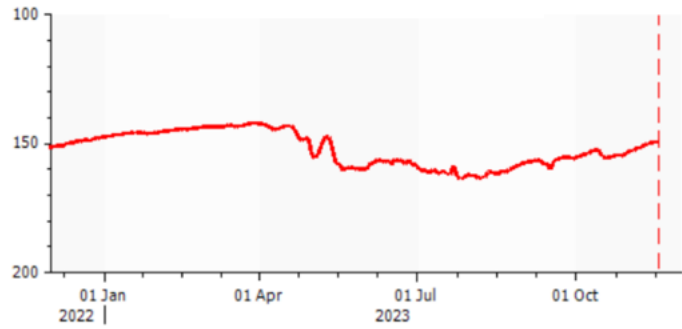
Well #26



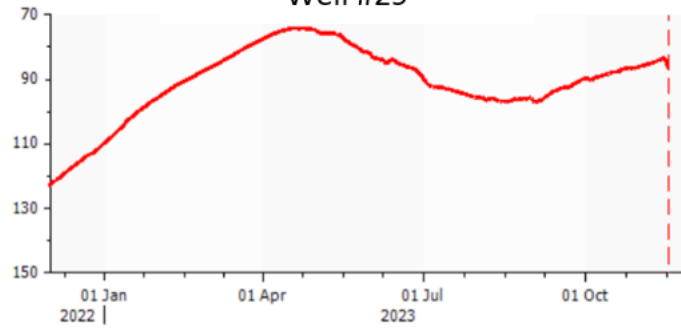
Well #27



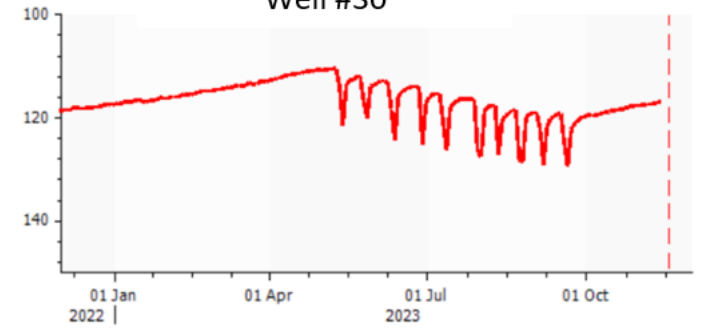
Well #28



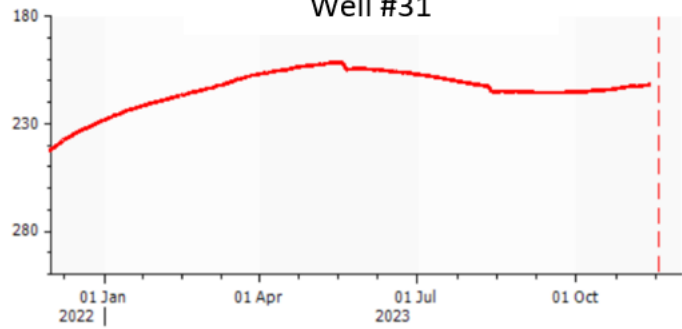
Well #29



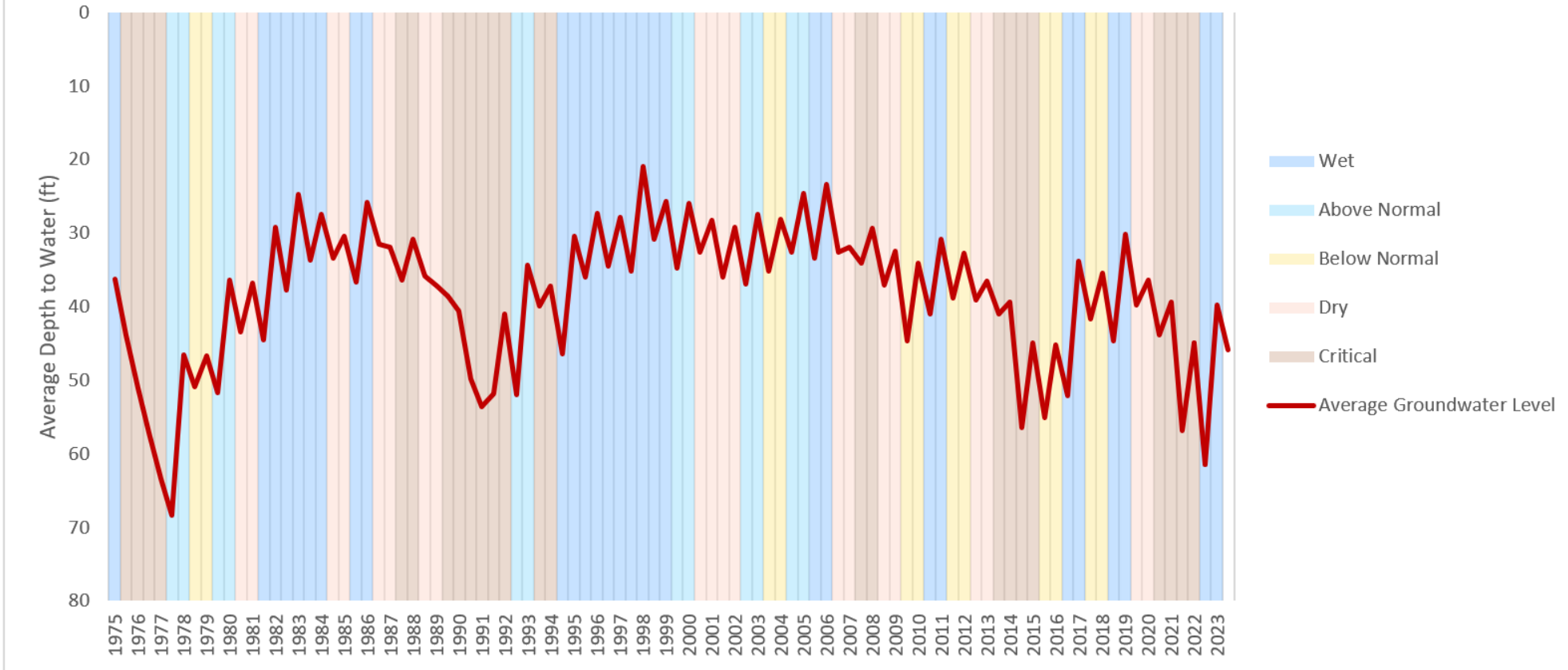
Well #30



Well #31



Yolo Subbasin Average Groundwater Representative Wells - Depth by Season (62 Wells)



September 2022 Average Depth to Water ~ 62 feet
October 2023 Average Depth to Water ~ 46 feet

Of Note:

- Fall 1975 to Fall 1977 Drawdown ~ 25 feet
- 2014 Drawdown from Spring to Fall ~ 17 feet
- 2019 Drawdown from Spring to Fall ~ 9.5 ft
- 2022 Drawdown from Spring to Fall ~ 17 feet
- 2023 Drawdown from Spring to Fall ~ 6 feet

DWR's Corrective Actions for 2027 GSP

To maintain substantial compliance status

1. Revise the sustainable management criteria for
 - Chronic lowering of groundwater levels
 - Degraded water quality
 - Land subsidence
 - Interconnected surface water
2. Revise the monitoring network
3. Address miscellaneous comments

REVISE THE SUSTAINABLE MANAGEMENT CRITERIA

<i>Chronic Lowering of Groundwater Levels</i>	<i>Degraded Water Quality</i>	<i>Land Subsidence</i>	<i>Interconnected Surface Water</i>
Define exactly what constitutes significant and unreasonable effects.	Revise definition of undesirable results so that exceedances of MTs caused by groundwater extraction are considered.	Revise operational definition of URs to include localized instances of subsidence and how they would be significant and unreasonable.	Provide additional clarification of the definition of URs and explain the selection of the value of 50% of ISW RMWs exceeding the MTs in ≥ 2 MAs; why are exceedances in 1 MA not an UR.
Explain how local exceedances in a singular MA is not considered an undesirable result.	Consider including a metric in the MT, i.e., isocontour concentration map, to define areas experiencing elevated concentration.	Provide additional justification on the quantitative definition of an undesirable result: how 25% of the MA was determine and whether it means 25% of the RMWs or 25% of the area.	Identify specific beneficial users and uses of ISW for each reach and describe what constitutes significant and unreasonable effects of depletion of ISW.
Describe the relationship between MTs and how they avoid URs for each of the other sustainability indicators.	Discuss the rationale for choosing the 50% MT exceedance in defining URs.	Setting MT as the current rate does not minimize or avoid subsidence; recommend including a cumulative metric that may lead to significant and unreasonable impacts.	Review DWR's Guidance Document (when available).
	Establish sustainable management criteria for all the constituents of potential concern identified in the Basin that have the potential to cause URs.	Elaborate on how we will avoid or minimize the land subsidence that has been occurring and increasing in severity recently in the Subbasin.	Continue to fill data gaps, collect additional data, and implement the current strategy to manage depletions of ISW and define segments of interconnectivity and timing.
		Identify specific critical infrastructure susceptible to land subsidence and describe what constitutes significant and unreasonable.	Prioritize collaborating and coordinating with local, state, and federal regulatory agencies to better understand the full suite of beneficial uses and users that may be impacted by pumping-induced surface water depletion.
		Establish an MT for the Capay Valley MA.	
		Revise the Measurable Objectives and Interim Milestones to a value that achieves the sustainability goal within 20 years.	

Significant and unreasonable = “undesirable results”

UR = Undesirable Results
 MA = Management Area
 MT = Minimum Threshold

RMW = Representative Monitoring Wells
 ISW = Interconnected Surface Water

REVISE THE SUSTAINABLE MANAGEMENT CRITERIA

Chronic Lowering of Groundwater Levels

Define exactly what constitutes significant and unreasonable effects.

Explain how local exceedances in a singular MA is not considered an undesirable result.

Describe the relationship between MTs and how they avoid URs for each of the other sustainability indicators.

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REVISE THE SUSTAINABLE MANAGEMENT CRITERIA

Degraded Water Quality

Revise definition of undesirable results so that exceedances of MTs caused by groundwater extraction are considered.

Consider including a metric in the MT, i.e., isocontour concentration map, to define areas experiencing elevated concentration.

Discuss the rationale for choosing the 50% MT exceedance in defining URs.

Establish sustainable management criteria for all the constituents of potential concern identified in the Basin that have the potential to cause URs.

Significant and unreasonable = “undesirable results”

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REVISE THE SUSTAINABLE MANAGEMENT CRITERIA

Land Subsidence
Revise operational definition of URs to include localized instances of subsidence and how they would be significant and unreasonable.
Provide additional justification on the quantitative definition of an undesirable result: how 25% of the MA was determine and whether it means 25% of the RMWs or 25% of the area.
Setting MT as the current rate does not minimize or avoid subsidence; recommend including a cumulative metric that may lead to significant and unreasonable impacts.
Elaborate on how we will avoid or minimize the land subsidence that has been occurring and increasing in severity recently in the Subbasin.
Identify specific critical infrastructure susceptible to land subsidence and describe what constitutes significant and unreasonable.
Establish an MT for the Capay Valley MA.
Revise the Measurable Objectives and Interim Milestones to a value that achieves the sustainability goal within 20 years.

Significant and unreasonable = “undesirable results”

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REVISE THE SUSTAINABLE MANAGEMENT CRITERIA

Interconnected Surface Water

Provide additional clarification of the definition of URs and explain the selection of the value of 50% of ISW RMWs exceeding the MTs in ≥ 2 MAs; why are exceedances in 1 MA not an UR.

Identify specific beneficial users and uses of ISW for each reach and describe what constitutes significant and unreasonable effects of depletion of ISW.

Review DWR's Guidance Document (when available).

Continue to fill data gaps, collect additional data, and implement the current strategy to manage depletions of ISW and define segments of interconnectivity and timing.

Prioritize collaborating and coordinating with local, state, and federal regulatory agencies to better understand the full suite of beneficial uses and users that may be impacted by pumping-induced surface water depletion.

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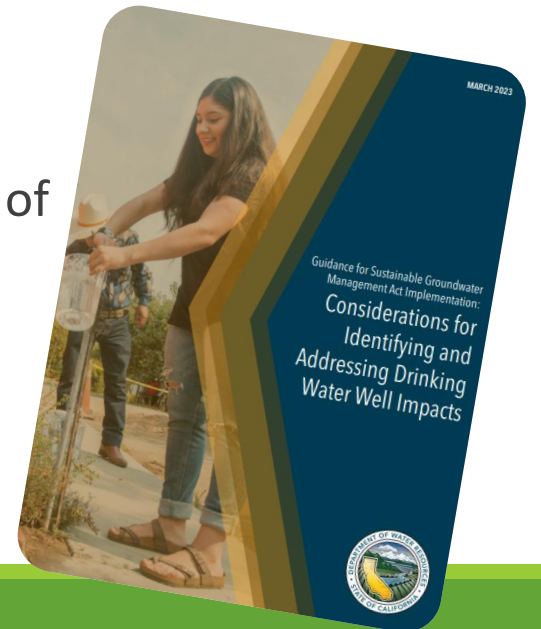
Revisions to the monitoring network

- a) Define the monitoring site type and data collection frequency in tabular format for the degraded water quality
- b) Reconcile the details of the monitoring network with the requirements of the data and reporting standards in DWR's GSP Regulations

Summary of DWR Comments

Common themes include:

- ❖ Provide justification for requiring two or more management areas to exceed the minimum threshold for groundwater levels/land subsidence/interconnected surface water to define undesirable results for those sustainability criteria.
- ❖ Continue to fill data gaps and collect additional monitoring data, especially for interconnected surface water
- ❖ Utilize DWR guidance as it is released: “Considerations for Identifying and Addressing Drinking Water Well Impacts” Guidance and update GSP on progress of domestic well mitigation program



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2. Adding Items to the Posted Agenda
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4. CONSIDERATION - Consent Items
5. Report of the Chair and Executive Officer
- 6. CONSIDERATION: Fiscal Year 2023/24 Budget**
7. CONSIDERATION - Well Permit Review Procedures
8. Member's Reports and Future Agenda Items
9. Next Meeting - January 22, 2024
10. Adjournment

Consideration: Fiscal Year 2023/24 Budget

- a) Adopt Fiscal Year 2023/2024 Budget Amendment #1
- b) Approve Payment of Bills
- c) Authorize Project Initiation and Private Job Work Orders for Instrumentation of Multi-Completion Monitoring Wells
- d) Authorize Entering into Contract with Stockholm Environment Institute for Updating the YSGA Model

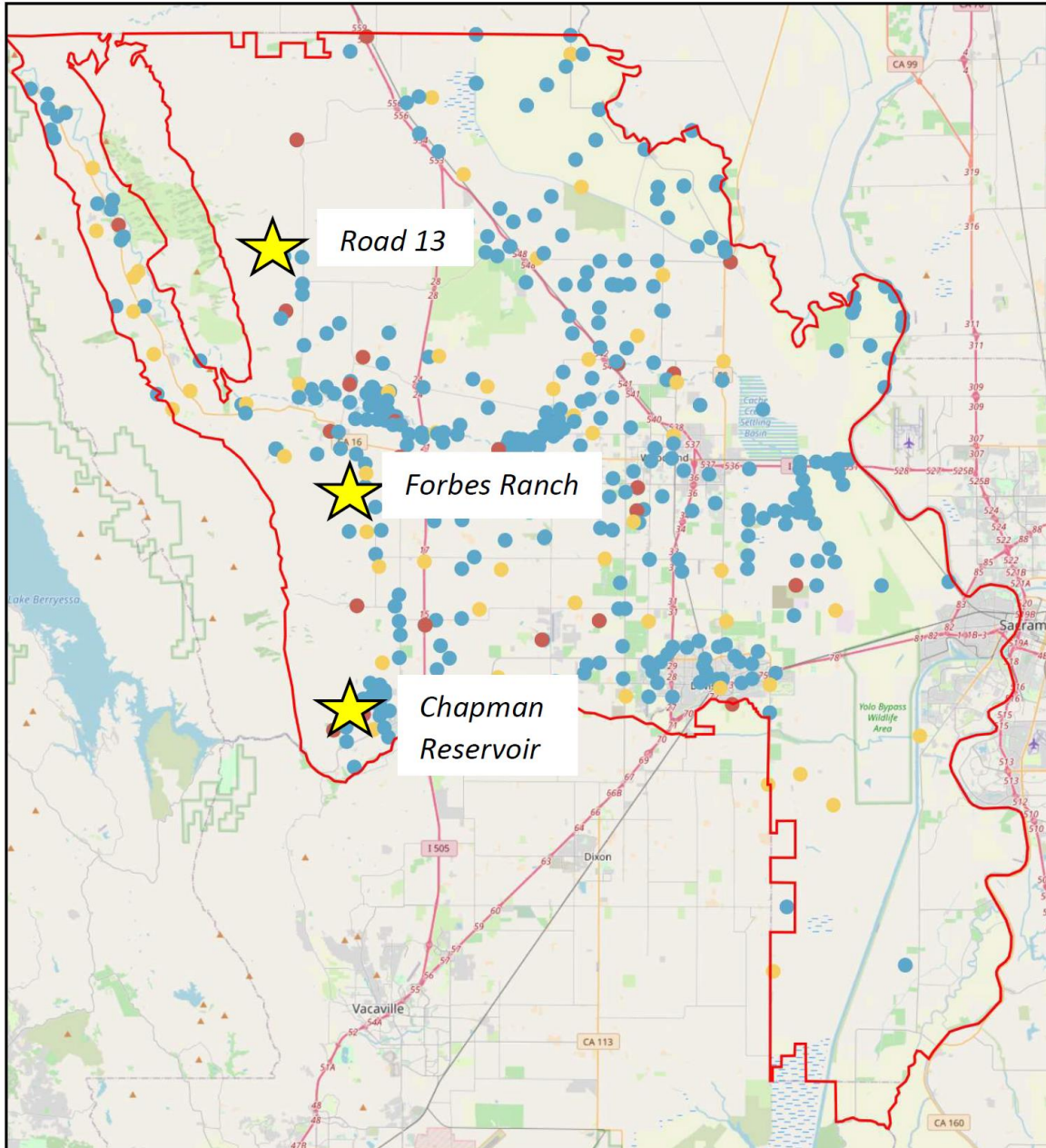
Fiscal Year 2023/2024 Budget Amendment #1

- Properly book Audit expenses for FY 2022/23
- Account for IRWM annual membership dues

		Adopted 6/19/23	Proposed 11/20/23
41	EXPENDITURES	FY2023-2024	FY2023-2024
42	Bank & Other Fees	1,500	1,500
43	Insurance - General & Auto	2,500	2,500
44	Membership Dues ⁴	3,000	25,000
45	Administrative Expenses (Copies, Postage, Website and DMS Hosting) ⁵	5,000	5,000
46	Project Management, SGMA Implementation (YCFC&WCD) ⁶	260,000	260,000
47	GSP Verification in Well Permitting Review (YCFC&WCD Project Management) ⁷	10,000	10,000
48	Administrative Expenses Related to Buckeye Creek Recharge Project ⁸	8,863	8,863
49	Consultant Services ⁹	200,000	200,000
50	GSP-Related Consultant costs ¹⁰	75,000	75,000
51	Legal Services	20,000	20,000
52	Audit Service - Financial ¹¹	15,300	7,800
53	Groundwater Monitoring Program (Includes Real-time Groundwater Monitoring Sensors)	90,000	90,000
54	TOTAL EXPENDITURES	\$691,163	\$705,663

Payment of Bills

YCFC&WCD Labor and Benefit Reimbursement (July - September 2023)	\$75,814.57
Westside IRWM Membership for 2023/24	\$21,500 <i>(\$7,157 to be paid with remaining WRA funds)</i>
West Yost Invoice for Professional Services (July - September 2023)	\$39,058.09



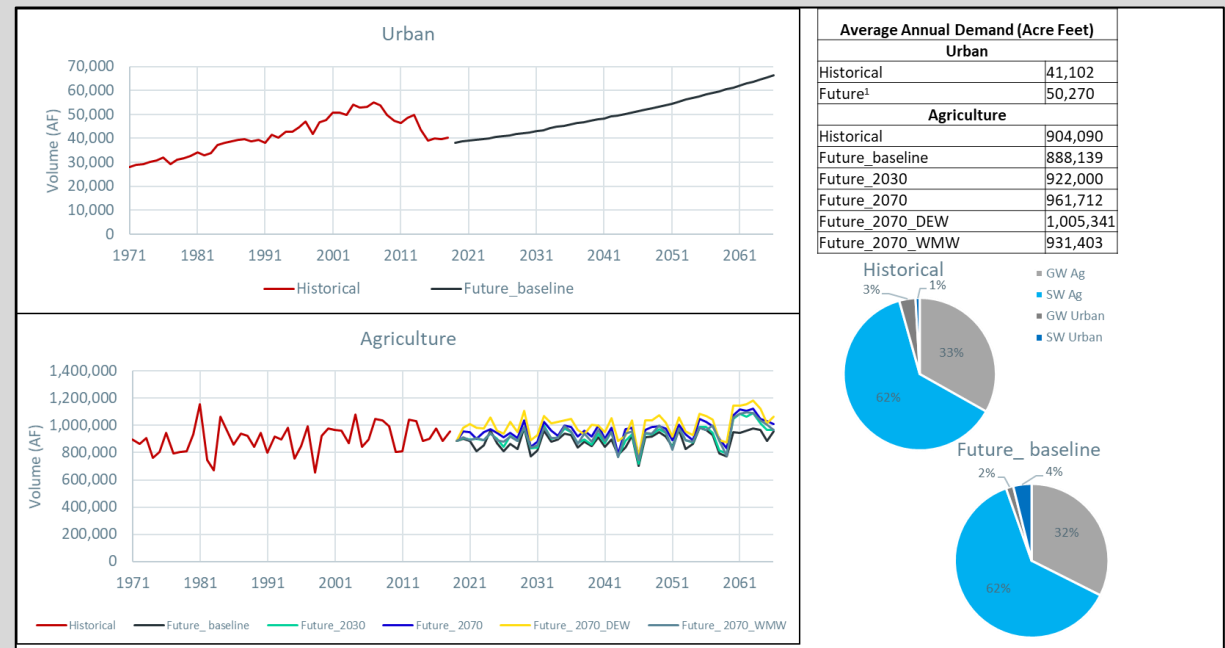
Instrumentation of Multi-Completion Monitoring Wells

- **Reimburse YCFC&WCD up to \$31,685 for labor and equipment to complete instrumentation of the well sites**

Budget Category	DWR Contribution	GSA Contribution	Totals
1 – Site Clearances	\$26,000	\$2,172	\$28,172
2 – Permitting	\$12,000	\$2,654	\$14,654
3 – Construction Activities	\$817,643	\$1,225	\$818,868
4 – Data Collection	\$10,000	\$28,890	\$38,890
5 – Other Field Activities	\$26,042	\$7,500	\$33,542
6 – Final Reporting	\$8,000	\$0	\$8,000
TOTALS	\$899,685	\$42,441	\$942,126

Enter Into Contract with SEI for Model Updates

- Work under the contract will not exceed **\$474,000**, which will be **fully funded by the SGMA Implementation Grant**
- Activities Include:
 - Preparation of Annual Reports
 - Land Use Improvements
 - Future land use change scenarios
 - Managed Wetland corrections
 - Model Projects and Management Actions
 - Analysis of Capay IGSM Model
 - Hungry Hollow Area Water Budget



Agenda

1. Call to Order and Determination of Quorum
2. Adding Items to the Posted Agenda
3. Public Forum
4. CONSIDERATION - Consent Items
5. Report of the Chair and Executive Officer
6. CONSIDERATION: Fiscal Year 2023/24 Budget
- 7. CONSIDERATION - Well Permit Review Procedures**
8. Member's Reports and Future Agenda Items
9. Next Meeting - January 22, 2024
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Consideration: Well Permit Review Procedures

- a) Update on Draft Well Permit Review Procedures
- b) Adopt Focus Areas Map and Approve Public Comment Period for Draft Hydrogeology Report Criteria

Update on *Draft* Well Permit Review Procedures

- a) Policy Implementing Well Permit Review Procedures
- b) Application Review Process

“A verification will **not** be issued where the preponderance of the evidence before the agency demonstrates either that (1) the proposed well would be inconsistent with the groundwater management program of the GSP; or (2) the proposed well or well alteration would decrease the likelihood of achieving a sustainability goal for the Yolo Subbasin.

In all other cases, and in the absence of substantial evidence that the proposed well is otherwise inconsistent with the verification requirements of the Executive Order, the verification will be forwarded to the well-permitting authority for consideration and processing.”

- c) Supplemental Verification Materials - Wells in Focus Areas
- d) Hydrogeologist’s Reports
- e) Reservation of Rights and Future Enforcement Actions



Yolo Subbasin Groundwater Agency

YSGA BOARD MEETING

NOVEMBER 20, 2023

Agenda

PUBLIC COMMENTS ON FOCUS AREAS MAP

DRAFT FOCUS AREAS MAP

DRAFT HYDROGEOLOGIST REPORT GUIDELINES AND EVALUATION CRITERIA

OTHER REQUIREMENTS

DISCUSSION AND NEXT STEPS

Public Comments on Focus Areas (FA) Map

- FA Map and HR requirements are a package, so it is difficult to make comments on the Map without knowing what the HR requirements are (Davids, Lundy, Steward, Main, Fawcett)
- Rather than focusing solely on the lowering of groundwater levels, the FA Map should also consider the degradation of water quality, seawater intrusion, and reduction of groundwater storage sustainability indicators. (King)
- Future work should focus on accurately defining zones of low recharge. Buffer area should be revised to exclude lands that have adequate recharge (Tucker)
- FA Map should explicitly consider the groundwater budget (Davids, Lundy, Steward)
- Any new ag wells drilled in Focus Areas should be metered (Amon, Steward, Fawcett)

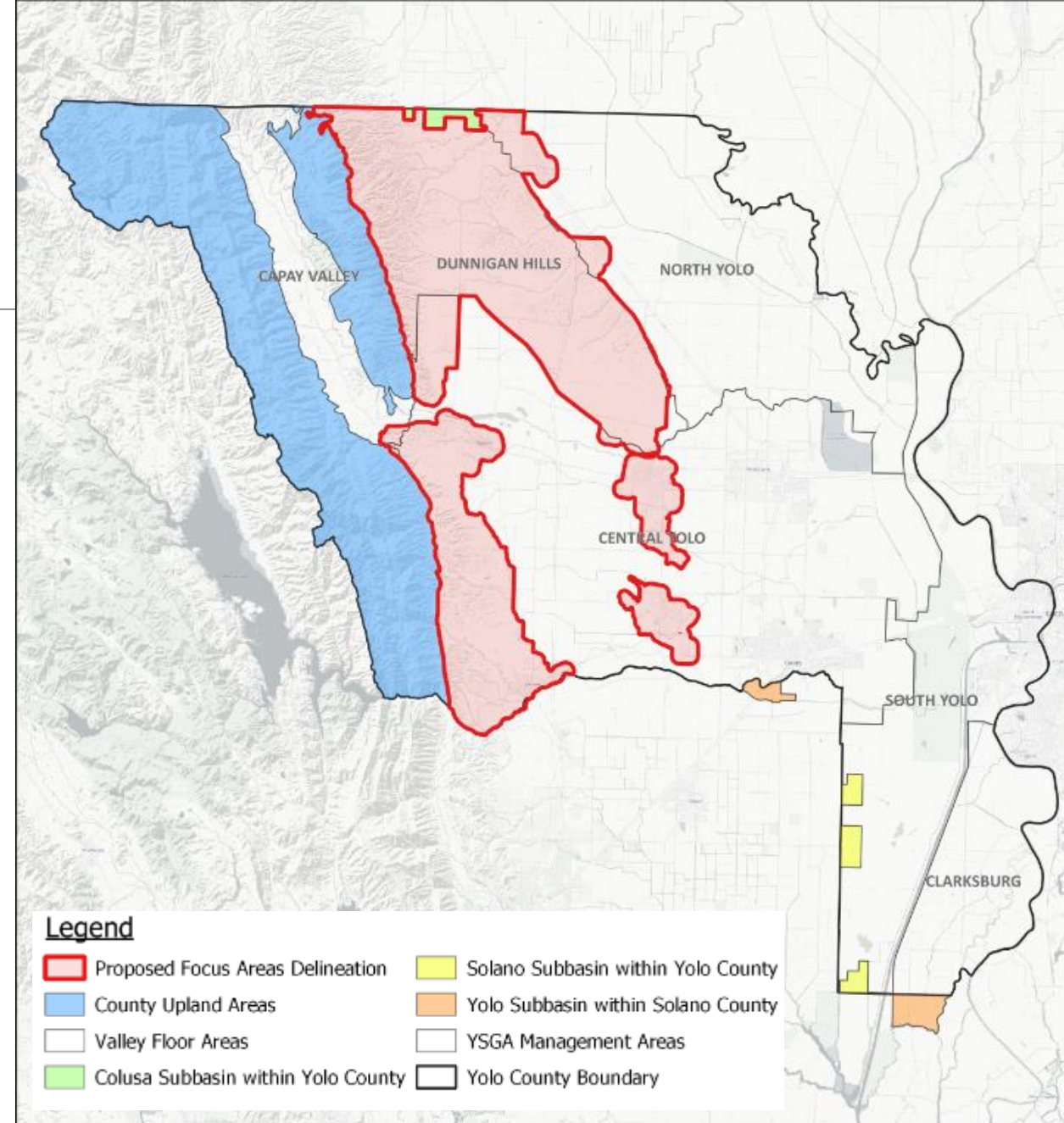
In response to this feedback, the Focus Areas Map TM was combined with the Guidelines and Evaluation Criteria for Hydrogeologist Reports TM

Focus Areas Map

- YSGA staff are confident that the Focus Areas Map can be used as is to delineate areas where Hydrogeologist Reports will be required based on casing diameter size and/or pumping rates to take the next step in complying with the Executive Order.

Board Action: Adopt Focus Area Map to be used by YSGA staff to comply with Executive Order N-3-23

Board to Consider: Whether the Focus Area Map public review process can re-open during the Hydrogeology Report Criteria review: 11/22-12/22 (re-adopt Map at 1/22 Board meeting).



Hydrogeologist Report Guidelines and Evaluation Criteria

- Hydrogeologist Report guidelines and evaluation criteria prompted by:
 - Requirements of Executive Order (EO) N-7-22 and N-3-23
 - **Assist the County to define guidelines and evaluation criteria for Hydrogeologist Reports for wells within Yolo County and the Yolo Subbasin**
- Purpose:
 - Define guidelines for well permittees to follow to prepare hydrogeologist reports
 - Define evaluation criteria for YSGA and County staff to use to evaluate hydrogeologist reports
- Objective:
 - **Define reasonable and defensible guidelines to prepare hydrogeologist reports and evaluation criteria to review hydrogeologist reports**
- Request to the YSGA Board:
 - Approve draft Hydrogeologist Report guidelines and evaluation criteria and initiate public comment review process.

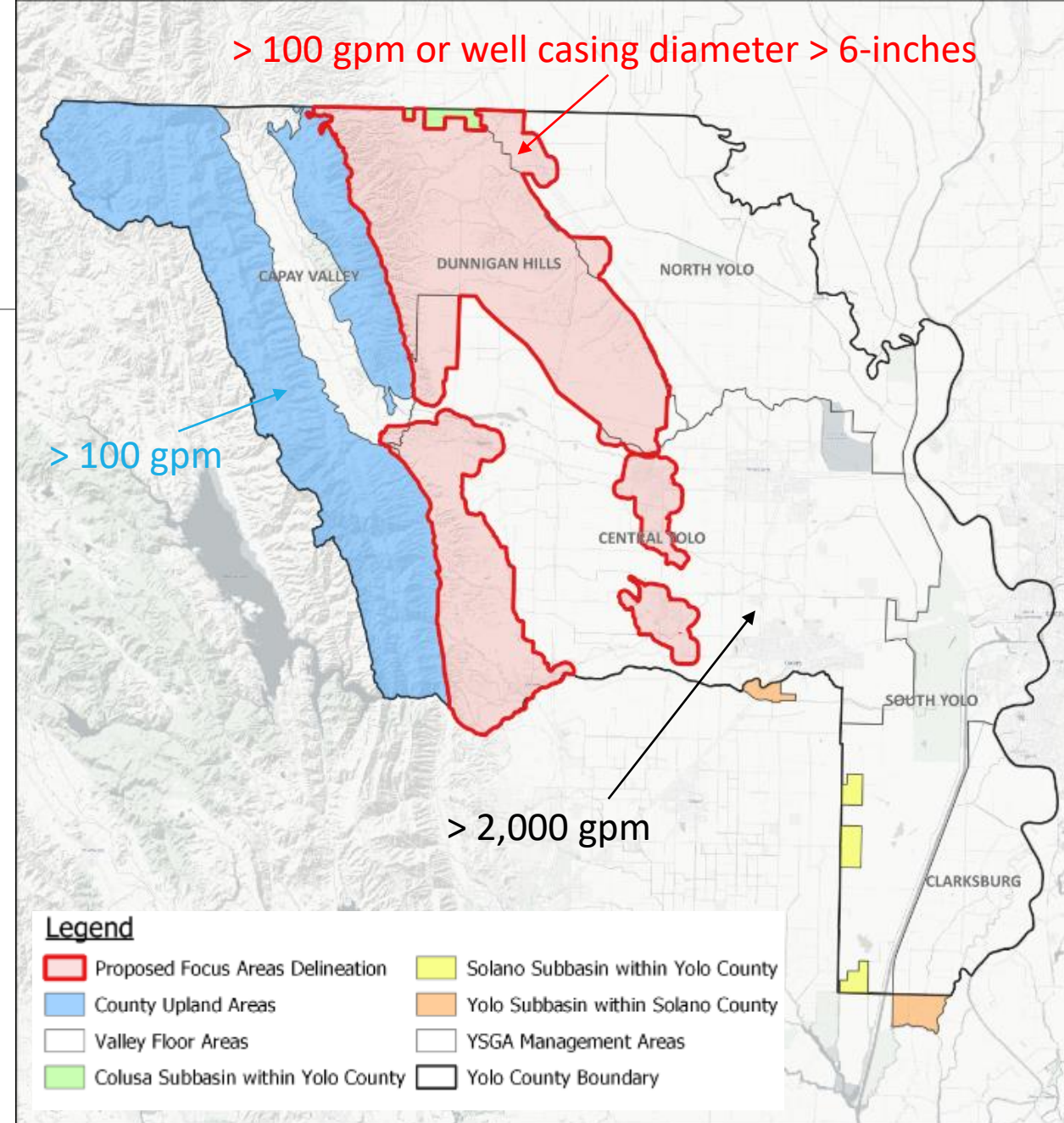
Review of EO Requirements

- Executive Order N-3-23 (updated version of N-7-22) requires well permitting agencies and GSAs to review well permits for new wells or wells to be altered and verify the following:
 - GSA (only for wells **within the Yolo Subbasin**)
 - Will extraction of groundwater at the proposed well be inconsistent with any sustainable management program in the adopted Yolo Subbasin GSP?
 - Will extraction of groundwater at the proposed well decrease the likelihood of achieving the sustainability goal for the Yolo Subbasin in the adopted GSP?
 - Well permitting agency (all wells within Yolo County's jurisdiction)
 - Will extraction of groundwater at the proposed well likely interfere with the production and functioning of existing nearby wells?
 - Will extraction of groundwater at the proposed well likely cause subsidence that would adversely impact or damage nearby infrastructure?
- Exemptions
 - Wells producing less than two acre-feet per year for individual domestic water use
 - Public supply system wells as defined in Health & Safety Code § 116275
 - Replacement wells that would produce an equivalent quantity of water as the existing well that has been acquired by eminent domain or acquired while under threat of condemnation

Current County Policy & YSGA Overlap

- The County has developed minimum separation distances based on proposed new wells* pumping capacity where a Hydrogeologist Report is required to *verify* that the well would be compliant with EO N-7-22 and N-3-23
 - Proposed Focus Areas delineation
 - Upland areas (blue areas)
 - Valley Floor areas (white/clear areas)
 - Orange areas are subject to YSGA + Solano County permitting requirements
 - Yellow areas are subject to Solano Subbasin GSA + Yolo County permitting requirements
 - Green areas are subject to Colusa Groundwater Authority + Yolo County permitting requirements

*or proposed alteration of an existing well



Documentation to be Completed by Well Permittee

- Current
 - County Well Permit
 - YSGA Agricultural Well Permit Application Acknowledgement Form
 - Supplemental Questionnaire for Agricultural Well Permit Application
- Additional (when a hydrogeologist report is required; see slide 4)
 - The Hydrogeologist Report Summary Form (Main document for use by YSGA/County for evaluation)
 - Hydrogeologist Report (Reference material for evaluation)

Hydrogeologist Report must be completed by Professional Geologist (PG) or Certified Hydrogeologist (CHG) licensed in California. PG's and CHG's must document a minimum of two years' experience designing and assessing the impacts of water wells.

Any questions on material covered
so far?

Outline of Hydrogeologist Report & Summary Form

- Property Owner Information
- Location of Proposed Well
- Description of the Proposed Well
- Design of the Proposed Well
- Hydrogeologic Evaluation
- Impact Assessment
- Conclusions

Property Owner Information

- Purpose: Understand how to contact property owner
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - Site Address
 - Property Owner Name
 - Mailing Address
 - Phone Number
 - Email

Location of Well

- Purpose: Understand where well is located and what is nearby
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - Well location map that includes roads, neighboring landowners, existing wells and other water infrastructure (i.e. YCFCWCD Canal) within 1-mile radius.
 - GPS coordinates (latitude/longitude in degrees and decimal minutes to **five decimal places**). Example: 38.67030, -121.87109. Five decimal places yields coordinates accurate to within ~1 meter
 - PLSS Township Range Section and Quarter Section
 - Yolo County Assessor's APN

Description of Well Project

- Purpose: Understand the purpose of the well and how it will be used
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - New well or alteration to existing well
 - Purpose of the well
 - Planned pumping capacity and operating schedule
 - Project elements offsetting pumping demands (surface water diversions, recharge credits, conjunctive use, etc.)
 - Permitting and construction schedule

Design of Well

- Purpose: Understand the well design
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - Drilling and logging methods
 - Depth and diameter of the conductor casing and boring
 - Conductor casing sealing methods and materials
 - Depth and diameter of the pilot borehole
 - Depth and diameter of the final reamed borehole
 - Depth, diameter, and casing material of the well casing
 - Screened intervals
 - Sand pack interval
 - Annular seal methods and materials
 - Surface completion
 - Pump intake depth

Note: This information will be presented as a detailed well diagram with supporting narrative text

Hydrogeologic Evaluation

- Purpose: Understand where the well is located within the underlying aquifer system and the hydrogeologic properties
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - Descriptions of the expected geologic formations to be encountered during drilling to an anticipated total depth
 - Description of the expected hydrogeologic unit, primary aquifers, and aquitards that are designated in the Yolo Subbasin GSP, and a list of expected hydraulic parameters of hydrogeologic units penetrated by the well
 - Groundwater conditions map that shows:
 - Anticipated depths to groundwater based on the historic high and low range
 - Anticipated gradient (magnitude and direction)
 - Unconfining and confining conditions in all hydrogeologic units penetrated by the well
 - Proximity to hydraulic barriers to groundwater flow (e.g., geologic faults or folds)
 - Proximity to surface water features and recharge boundaries (reference location map)
 - Historical measurements of subsidence and critical infrastructure within a two-mile-radius of the proposed well

Impact Assessment

- Purpose: Understand what the wells anticipated impact on GSP defined Sustainable Management Criteria (SMC), sustainability goal, sustainability programs, well interference, and impacts to critical infrastructure **(required by EO)**
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - Magnitude and extent of drawdown within 500, 1000, 2500, and 1 mile of proposed well primary production depth interval(s)
 - Anticipated impacts on groundwater levels on neighboring domestic and non-domestic well production depth interval(s)
 - Anticipated impacts on groundwater levels and storage on the nearest YSGA representative monitoring well, principal aquifers noted in GSP, and the MTs associated with Chronic Lowering of Groundwater Levels and Reduction in Groundwater Storage (both are defined SMCs in GSP)
 - Anticipated impacts on nearby interconnected surface waters and groundwater dependent ecosystems (GDEs) within 1,000 feet of the well and compare to MT associated with Depletion of Interconnected Surface Water (defined SMC in GSP)

Impact Assessment (continued)

- Purpose: Understand what the wells anticipated impact on GSP defined Sustainable Management Criteria (SMC), sustainability goal, sustainability programs, well interference, and impacts to critical infrastructure **(required by EO)**
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - Anticipated impacts to TDS concentrations in each principal aquifer that may result in changes in groundwater levels and gradients caused by pumping at the well, and the MT associated with Degradation of Groundwater Quality (defined SMC in GSP)
 - Anticipated impacts to rates of inelastic land subsidence in each principal aquifer and impacts to critical infrastructure within a 2-mile radius that may result from changes in groundwater levels caused by pumping at the well, and the MT associated with Land Subsidence (defined SMC in GSP)
 - Anticipated impacts of the proposed well pumping schedule on achieving the GSP defined sustainability goals and implementation of sustainability programs and management actions

Conclusions

- Purpose: Author of the Hydrogeologist Report states findings
- Information requested to be provided in Hydrogeologist Report & Summary Form
 - Statement by PG or CHG that verifies (or does not verify) that the proposed well complies with the EO. **If the well cannot be verified to comply with the EO, well permittee may request meeting with YSGA and County staff to discuss possible modifications to well permit to identify a path for compliance to be achieved.**
 - Stamp of PG or CHG

Any questions on material covered
so far?

Discussion and Next Steps

Public Review Process

- Public Review Process of the Delineation of *Focus Areas Map and Guidelines and Evaluation Criteria for Hydrogeologist Report TM* will be open for public comment from 11/22 to 12/22.
- Public comments will be addressed by YSGA and County Staff to update the Focus Areas Map and TM for final adoption at the January YSGA Board Meeting
- YSGA DCPC will continue providing guidance to YSGA staff to address public comments received for the *Focus Areas Map and Guidelines and Evaluation Criteria for Hydrogeologist Report TM*

January 22, 2024

- *Focus Areas Map and Guidelines and Evaluation Criteria for Hydrogeologist Report TM*
 - Incorporate Final Revisions for "Acceptance"
- Updated Well Permit Procures
 - Submit updated well permitting procedures for "Acceptance"

ADOPT
FOCUS AREAS MAP

AND

APPROVE
PUBLIC COMMENT
PERIOD FOR DRAFT
HYDROGEOLOGY
REPORT CRITERIA

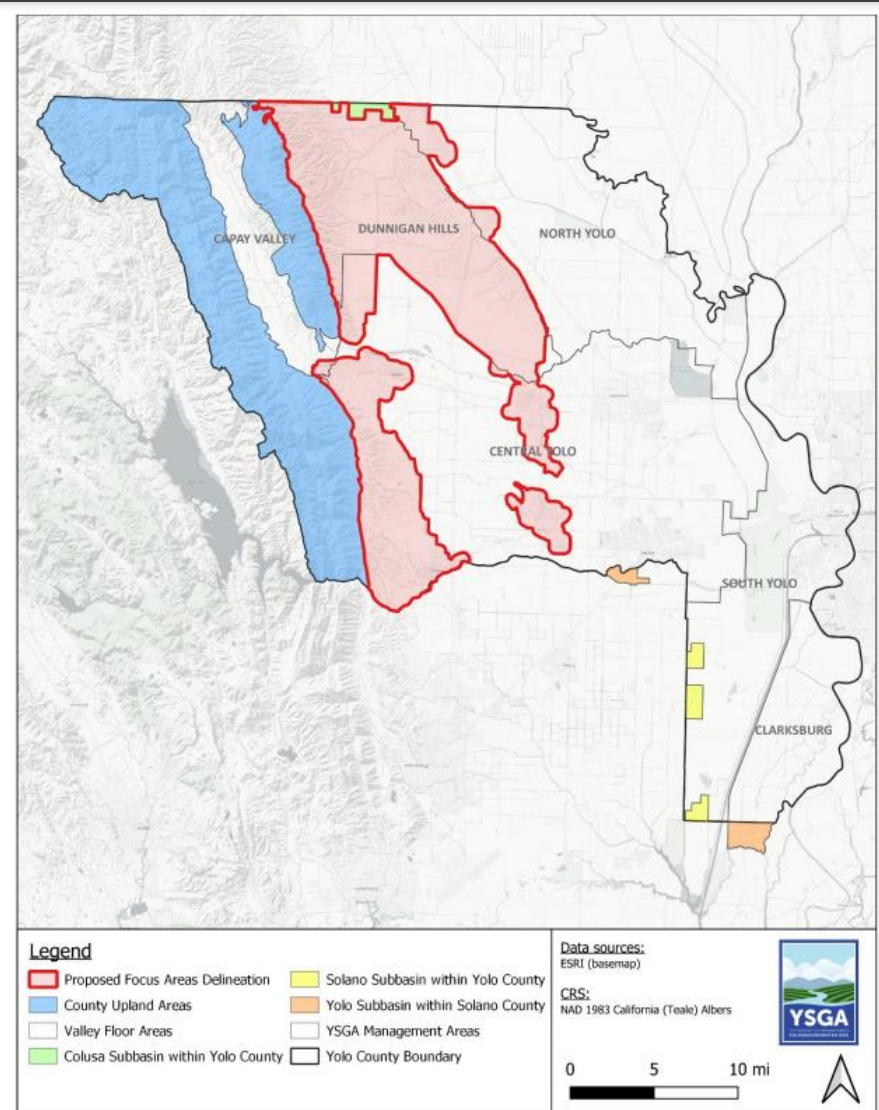


Figure 1. Proposed Delineated Focus Areas Relative to County Defined Valley Floor and Upland Areas.

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Wishing you and yours a wonderful Thanksgiving! We are grateful for you.

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