



YSGA BOARD OF DIRECTORS MEETING

January 11, 2021

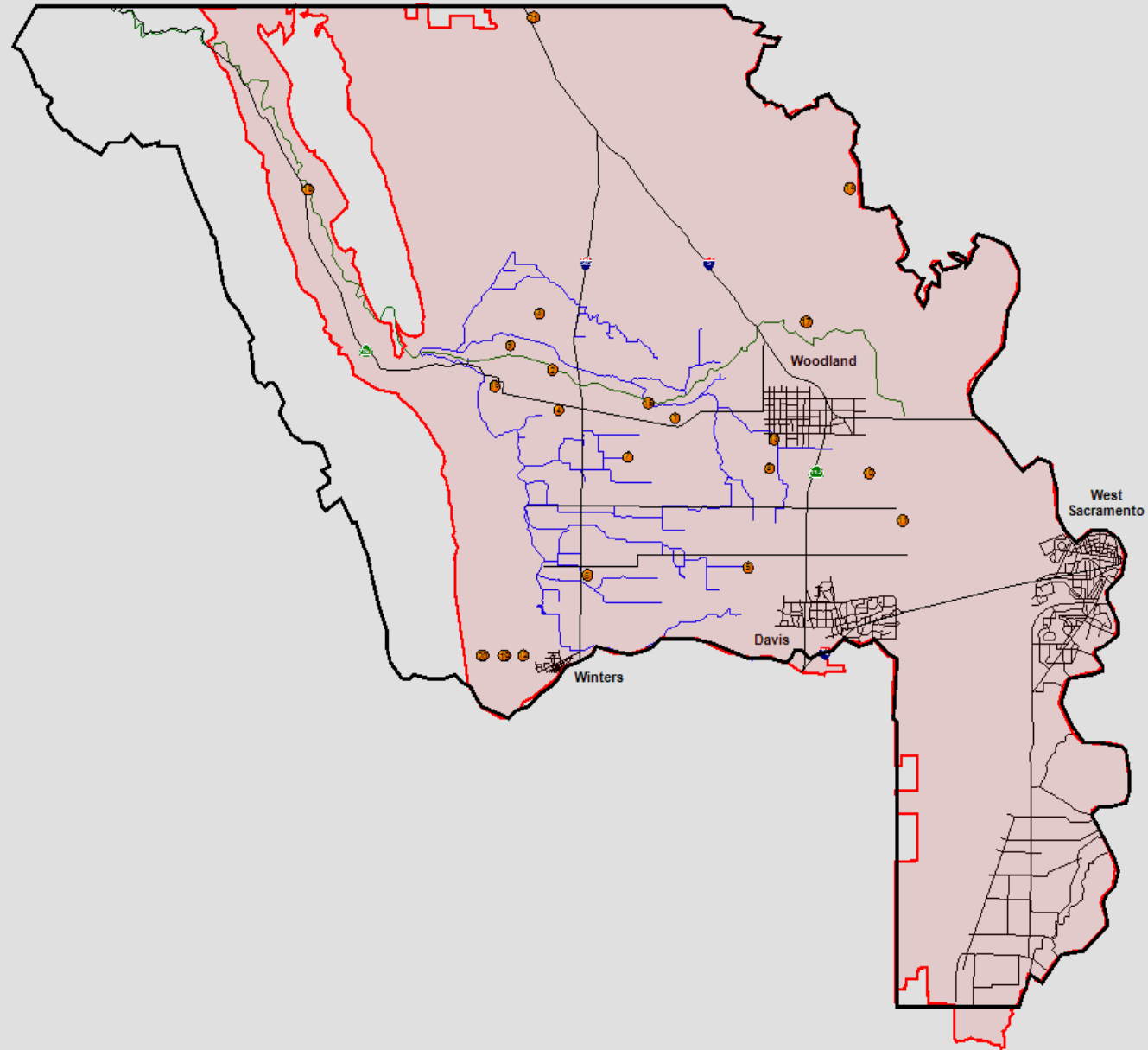
Agenda





- Report of the Chair and Executive Officer
- Consideration: Consent Items
- Consideration: Fiscal Year 2020-2021 Budget Amendment #3
- Consideration: Approve and Authorize Chair to Execute Master Services Agreements with GEI and SEI Consultants
- Update on Water Legislation, Regulatory, and Delta Issues (Adam Robin, NCWA)
- Presentation: Multi-Benefit Managed Aquifer Recharge Pilot Project in Colusa Subbasin (Julia Barfield, TNC)
- Update on Groundwater Sustainability Plan Development
- Members' Reports and Future Agenda Items

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Well Monitoring
Real-Time



SCADA Links
Comparison Trends
Comparison Table 1
Comparison Table 2
Legend
Monitoring Site 
District 
YSGA 
County 

Well Monitoring

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

01/11/21

Depth to Water Historical Comparison

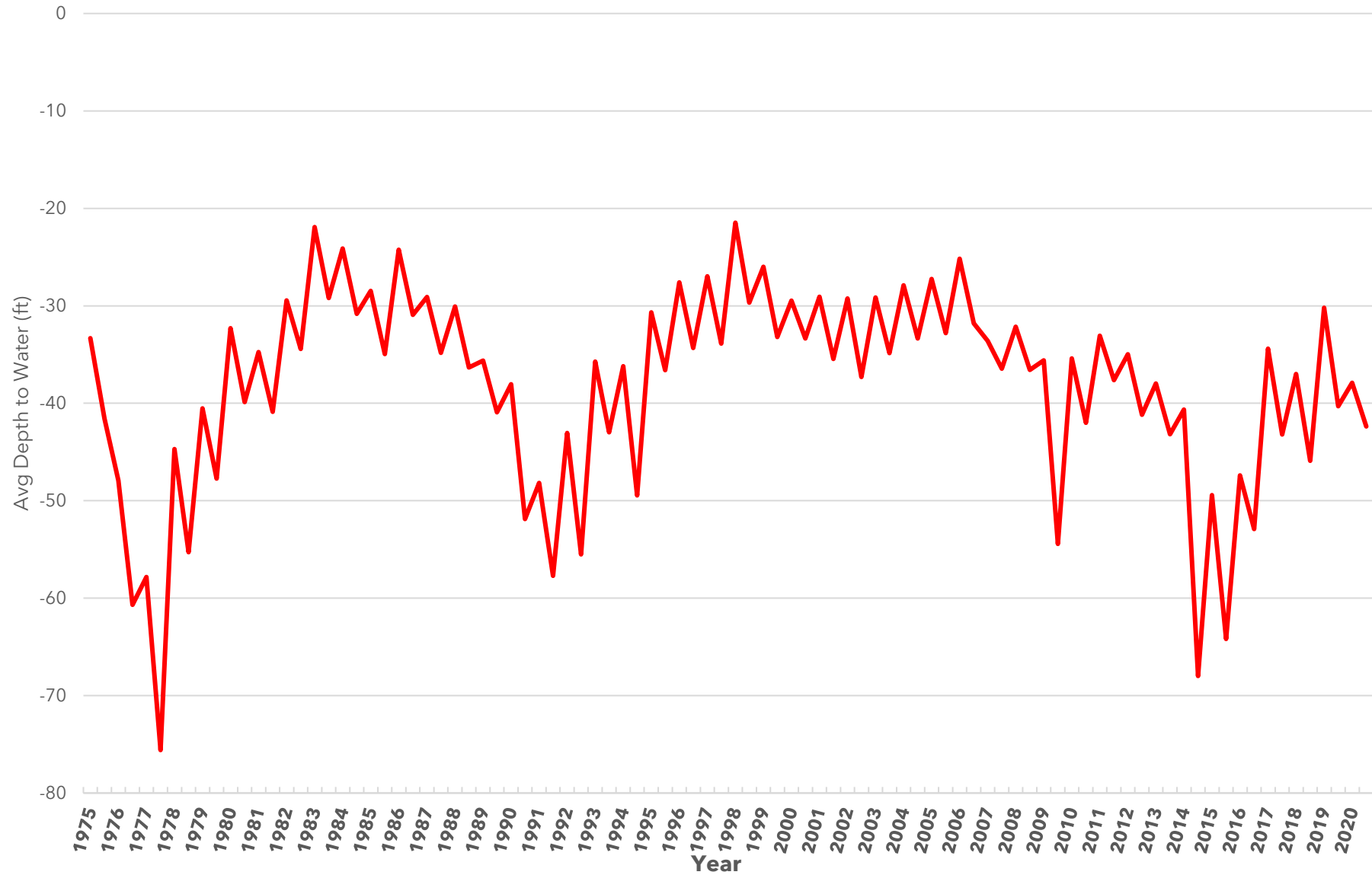
(Daily Average DTW in feet)

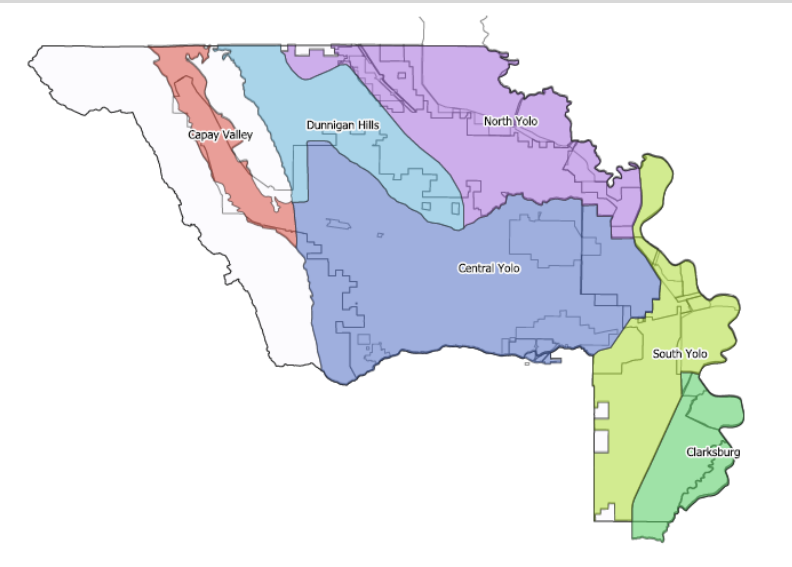
[Comparison Trends](#)[Comparison Table 2](#)

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.	88.9	81.8	80.8	82.1	93.1	109.3	113.7	100.8	95.1	100.2	92.1	101.9	-9.7	7.4
2.	38.2	31.1	30.0	28.9	37.7	43.2	47.4	32.8	30.4	30.9	29.8	32.3	-2.6	10.9
3.		44.1	39.1	40.0	51.0	65.8	65.3	50.7	39.7	42.5	39.7	42.9	-3.3	22.9
4.		27.5	26.5	23.1	37.2	42.1	45.6	31.8	30.1	27.0	25.1	31.4	-6.3	10.7
5.			20.2	20.9	28.8	33.3	39.8	30.2	27.3	29.4	21.9	29.5	-7.6	3.8
6.			37.8	31.2	58.2	50.2	54.8	39.7	33.3	36.3	31.2	38.8	-7.6	11.5
7.					20.2	35.4	37.9	23.0	23.3	21.2	19.2	27.2	-7.9	8.2
8.					52.2	64.1	67.8	59.7	44.9	47.3	37.9	46.9	-9.1	17.2
9.					52.0	65.0	67.0	49.2	40.6	41.9	40.6	44.3	-3.7	20.7
10.						30.3	34.0	27.3	16.2	19.4	12.2	23.2	-11.1	7.1
11.							16.5		10.4	11.8	9.6	14.7	-5.1	
12.										117.1	104.2	119.0	-14.7	
13.									56.3	57.9	48.8	58.5	-9.6	
14.										11.4	10.7	13.0	-2.2	
15s.										40.7	37.6	46.6	-9.0	
16.											33.0	37.0	-4.0	

YCFCWCD Average Groundwater

Depth by Season (Fall 2020 is 110 wells)

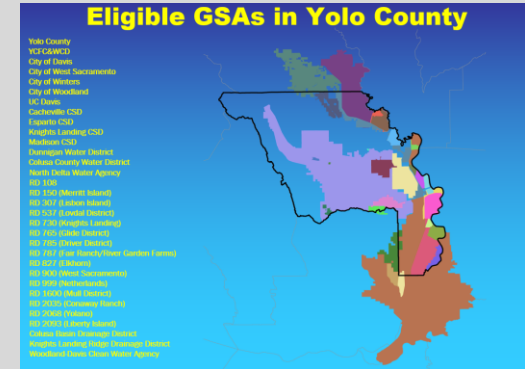




Yolo Subbasin Groundwater Agency

25 Members

- Limited Authority
- For regional planning & reporting
- JPA defines authorities & responsibilities of GSA, Management Areas, and Eligible Entities



Groundwater Sustainability Plan

Management Areas are used to define sustainability goals and objectives for a hydrogeologic setting.

Capay Valley

YCF&WCD
 Yocha Dehe Wintun Nation
 Yolo County (white area)
 Yolo County Farm Bureau
 Environmental Representative

North Yolo

Dunnigan WD
 Colusa Drain Mutual Water Co.
 California American Water Co.
 RDs 108, 730, and 787
 YCF&WCD
 Yolo County (white area)
 Yolo County Farm Bureau
 Environmental Representative

Central Yolo

Cities of Davis, Woodland & Winters
 UC Davis
 YCF&WCD
 RD 2035
 Esparto and Madison CSDs
 Yolo County (white area)
 Yolo County Farm Bureau
 Environmental Representative

Dunnigan Hills

YCF&WCD
 Yolo County Farm Bureau
 Yolo County (white area)
 Environmental Representative

South Yolo

City of West Sacramento
 Colusa Drain Mutual Water Co.
 RDs 537 and 1600
 YCF&WCD
 Yolo County Farm Bureau
 Yolo County (white area)
 Environmental Representative

Clarksburg

RDs 150, 307, 765, and 999
 Yolo County Farm Bureau
 Environmental Representative

Advisory Committee
Public

Advisory Committee
Public

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Considerations: Consent Items

- Approve November 16, 2020 Board of Directors' Meeting Minutes
- Receive Fiscal Year 2020-2021 Financial Statements: October 1, 2020 to November 30, 2020
- Receive minutes of Executive Committee: 10/29/20

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Fiscal Year 2020-2021 Budget Amendment #3

- Proposition 1 Yolo Subbasin GSP Planning Grant = \$1M State Share (as of 1/1/21 approx. \$200k remaining)
 - Developed scope of work in 2017 with the intent to have a homegrown GSP
 - Certain costs are not eligible for reimbursement by DWR with existing tasks approved by DWR - real-time sensors reimbursed

Yolo Subbasin GSP – Work Plan

- **Project Administration (\$100,000)**
 - Grant Administration
- **Stakeholder Outreach and Engagement (\$79,186)**
 - Develop Stakeholder Database
 - Yolo Subbasin Stakeholder Engagement
 - Interbasin GSA Coordination
- **Public Notification and Communications (\$14,095)**
 - Public Website Update
 - Communication and Engagement Plan
- **GSP Development (\$806,719)**
 - Develop Hydrogeologic Conceptual Model
 - Develop Water Budget (SEI)
 - Monitoring Network Update
 - Data Management System Update
 - Develop Sustainable Management Criteria
 - Prepare GSP

Yolo Subbasin GSP – Work Plan

- **Project Administration (\$100,000)**
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- **Public Notification and Communications (\$14,095)**
 - Public Website Update
 - Communication and Engagement Plan
- **GSP Development (\$806,719)**
 - Develop Hydrogeologic Conceptual Model – \$50,000
 - Develop Water Budget (SEI) – \$208,719
 - Monitoring Network Update – 363,000
 - Data Management System Update – \$50,000
 - Develop Sustainable Management Criteria – \$75,000
 - Prepare GSP – \$60,000

Fiscal Year 2020-2021 Budget Amendment #3

- Proposition 1 Yolo Subbasin GSP Planning Grant = \$1M State Share (as of 1/1/21 approx. \$200k remaining)
 - Developed scope of work in 2017 with the intent to have a homegrown GSP
 - Certain costs are not eligible for reimbursement by DWR with existing tasks approved by DWR - real-time sensors reimbursed
- ~\$250k additional needed to complete Yolo Subbasin GSP (\$2.25M total)
 - March 2020 evaluation of tasks and budget
 - \$100k reimbursements requested from YSGA to YCFC&WCD (to cover existing contracts)
 - \$150k expenses to be authorized via separate service agreements
- Donna's transition to disability leave
 - Bookkeeping services
 - Other administrative services transferred to YCFC&WCD (will need to revise agreement with YSGA)

Yolo Subbasin Groundwater Agency
July 1, 2019 to June 30, 2021
Annual Budget for Fiscal Years 2019-20 and 2020-21
Proposed FY2020-21 Amendment #3 for Board adoption on 1/11/21

38	EXPENDITURES	FY2020-2021	FY2020-2021
39	Bank & Other Fees	500	500
40	Insurance - General & Auto	2,000	2,000
41	Membership Dues	3,000	3,000
42	Administrative Services/Expenses (WRA) ³	121,500	85,000
43	Project Management, SGMA Implementation (YCFCWCD) ⁶	110,000	210,000
44	Consultant Services	20,000	20,000
45	GSP-Related Consultant costs ⁷	0	150,000
46	Legal Services	20,000	20,000
47	Audit Service - Financial ⁴	7,050	7,050
48	Real-time Groundwater Monitoring Sensors (x6) ⁸	80,000	0
49	Yolo County Groundwater Monitoring Program (administrator-YCFCWCD) ²	42,064	42,064
50	TOTAL EXPENDITURES	\$406,114	\$539,614
51			
52	Net Income (Estimated)	\$81,728	\$691,632

- 53 1 - RD 108, RD 787, RD 2035, and YCFC&WCD (\$10,000 each)
- 54 2 - The historical cost of the Program was \$89,000 with the YCFC&WCD providing \$46,936/year in cost share. For the first two years of the YSGA, the YCFC&WCD continued to provide \$46,936/year in cost share towards the Program. Program was historically funded by WRA Member Agencies from July 2009 to June 2017.
- 55 3 - WRA Budget changes for FY20-21: Deducted \$6,000 for 2-year audit expense. Audit completed in FY19-20.
- 56 4 - Quoted fees per auditor's agreement: FY17-18 \$8,900; FY18-19 \$7,000; FY19-20 \$7,050
- 57 5 - Consolidation of RD 785 and RD 827 into RD 537's jurisdiction effective July 1, 2020. Proposed total new acreage for RD537 is 6,077 pending verification for final membership dues.
- 58 6 - YCFC&WCD Project Management, SGMA Implementation amendment #3 changes include consultant reimbursement charges of approximately \$100,000 for July-December 2020 (an additional amendment may be needed before 6/30/21 to amend the administrative expenses from resuming Donna's duties).
- 59 7 - This line item was added to cover GSP-related consultant costs that will be billed directly to the YSGA.
- 60 8 - The real-time groundwater monitoring sensors have been paid for by the Proposition 1 GSP Grant from DWR.

Fiscal Year 2020-2021 Budget Amendment #3

- Recommend Board consider approving Budget Amendment #3 for Fiscal Year 2020-2021

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Fiscal Year 2020-2021 Budget Amendment #3

- January - June 30, 2021 GSP-Related Consultant Services
 - GEI Consultants - \$120,000 to complete GSP tasks (YCFC&WCD entered into contract in March 2020)
 - SEI Consultants - \$30,000 to complete GSP tasks (additional requests were made outside of original scope of work)

- Recommend Board approve and authorize Chair to execute services agreements with GEI and SEI Consultants

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New YCFC&WCD Staff Part of the YSGA Team

Sarah Leicht

Water Resources Technician



Jack Cronin

Water Resources Technician



Management Area Workshops

Management Area	Findings/Comments
Capay Valley	<p>Need to improve selected rep wells to include wells in the upper aquifer (newer, shallow wells)</p> <p>Desire to focus on regenerative agricultural practices for improving groundwater recharge</p>
North Yolo	<p>Likely reduction of surface water supplies available + need to rely more on groundwater supplies in the future</p> <p>Desire to consider alternate methodology for setting MTs (below historical average)</p>
Clarksburg	<p>High groundwater levels, limited groundwater use – consider as a formal monitoring area</p>
South Yolo	<p>Consider impacts/changes in Yolo Bypass, along with projects</p>
Central Yolo	<p>Emphasized the need to thoughtfully consider the definition of <i>reasonable and beneficial use of, and access to</i> groundwater</p> <p>Areas of special concern: N and NW of Winters / Hungry Hollow-Dunnigan Hills</p>

Management Area Workshops

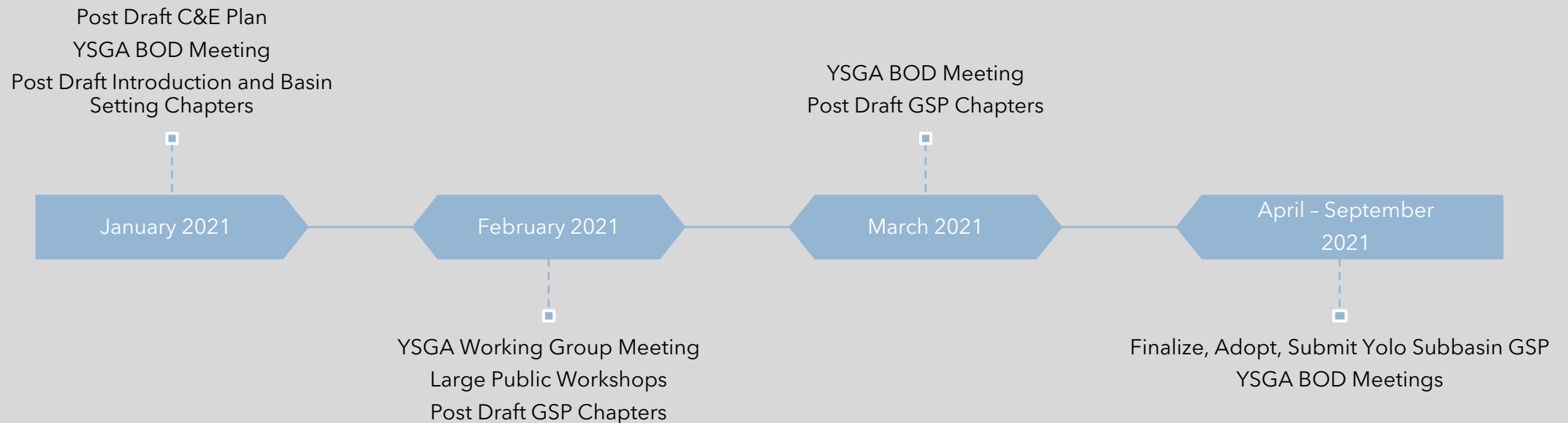
Management Area	Findings/Comments
Capay Valley	Need to improve selected rep wells to include wells in the upper aquifer (newer, shallow wells) Desire to focus on regenerative agricultural practices for improving groundwater recharge
North Yolo	Likely reduction of surface water supplies available + need to rely more on groundwater supplies in the future Desire to consider alternate methodology for setting MTs (below historical average)
Clarksburg	High groundwater levels, limited groundwater use – consider as a formal monitoring area
South Yolo	Consider impacts/changes in Yolo Bypass, along with projects
Central Yolo	Emphasized the need to thoughtfully consider the definition of <i>reasonable and beneficial use of, and access to</i> groundwater Areas of special concern: N and NW of Winters / Hungry Hollow-Dunnigan Hills

COMMON THEMES

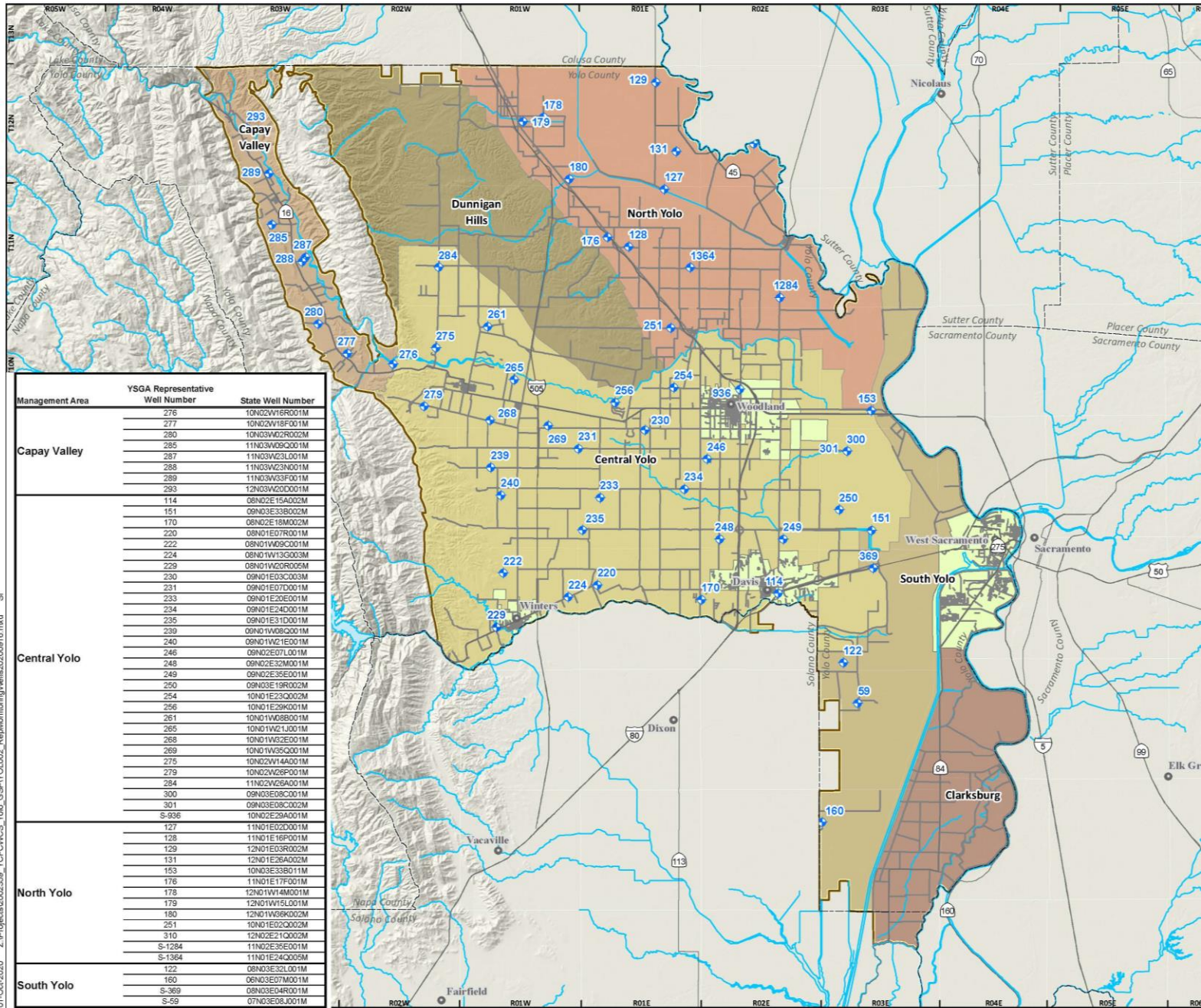
- Local action policies:
 - responsive to MT exceedances in drought
 - mitigation of individual well impacts
 - land use relationship with County
- Coordinate with County DEH on Well Permitting process
- Projects/Management Actions are important to MA sustainability

Update on GSP Development

- Continued work on GSP sections by GSP Technical Team -
 - Posted Draft Chapter 1 - Introduction to the Yolo Subbasin GSP to the website
 - Administrative drafts of Basin Setting currently incorporating Water Budget documentation and SW/GW interaction analysis
- TAC meeting: 1/14/21 - will report back to Working Group
- Ad Hoc Committee Meeting: 1/19/21
- Other Workshops/Public Outreach Meetings - Ongoing



REPRESENTATIVE MONITORING WELLS



01-Oct-2020 Z:\Projects\2002366_YCFCHMS_Yolo_GSP\Yolo02_Rep\MonitoringWells20200916.mxd SI

GSP SUSTAINABILITY CRITERIA

GSP Sustainability Indicators

- Groundwater Levels
- Groundwater Storage
- Water Quality
- Depletion of Interconnected Surface Waters
- Subsidence
- Seawater Intrusion

GSP Development Schedule

Task Name	Estimated Start	Estimated Finish
Develop Sustainable Management Criteria	6/1/20	3/15/21
Develop Projects and Management Actions	11/2/20	3/6/21
Communication and Engagement		
C & E Plan	9/30/20	8/3/21
TAC Meetings	7/9/20	4/7/21
Working Group Meetings <i>MA Workshops – Round 1 (10/1-12/4)</i> <i>MA Workshops as a Working Group – Round 2 (2/1-3/1)</i>	9/10/20	3/3/21
GSA Board Meetings <i>Public Meeting – January 11</i> <i>Public Meeting – March 15</i>	6/15/20	6/21/21
GSP Report – TAC/Working Group/Stakeholder Review	10/12/20	8/31/21
Introduction Chapter	12/1/20	2/7/21
Basin Setting	12/1/20	3/7/21
SMC	1/18/20	4/15/21
Projects and Management Actions	2/1/21	4/15/21
GSP Admin Draft Review	3/29/21	6/7/21
GSP Public Draft Review	4/26/21	7/19/21
Final GSP	8/31/21	8/31/21

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YSGA Teams

ROLES

BOD: All the powers and authority of the YSGA exercised by the Board of Directors.

EC: To provide direction to the Executive Officer, address administrative issues in a timely manner, and help prepare BOD agendas.

WG: Develop recommendations and provide guidance to the BOD on the development and implementation of the GSP and other matters related to efficient management of the YSGA.

TAC: Advise GSP Technical Team on processes necessary to complete the GSP.

GSP Technical Team: Project management of the GSP development; research/documentation of GSP sections.

