



YSGA Working Group Meeting

September 2, 2021



Agenda

- Approve Minutes
- Executive Officer Update
- Update on GSP Development:
 - Draft GSP Posted to Website for Public Comment (8/25-10/27)
 - Review of Public Workshop Content and Comments Received (8/25 and 9/1)
- Consideration of Forming a YSGA Drought Contingency Planning Committee
- Wrap up and Next Steps

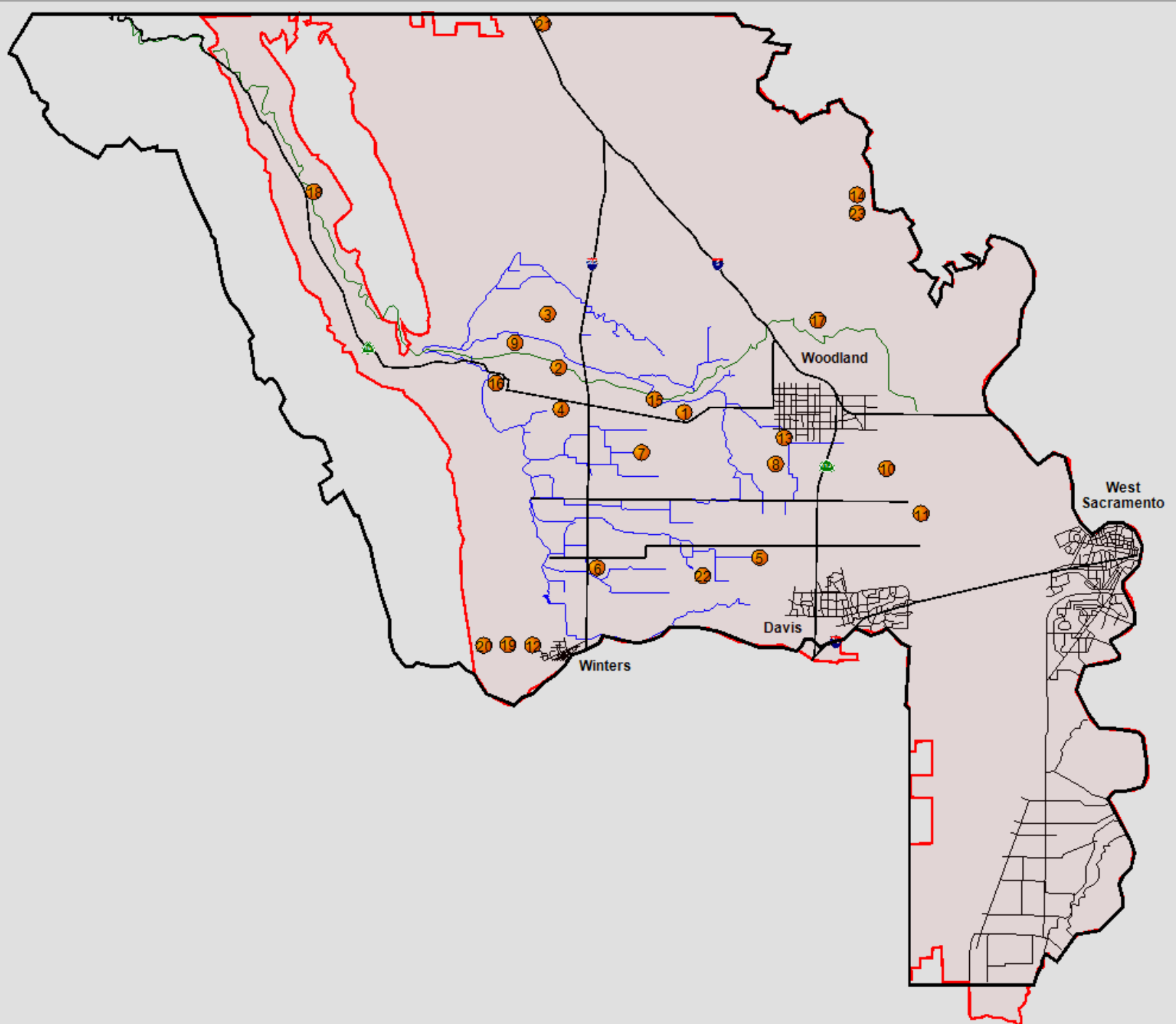
Approve Minutes

—

Executive
Officer
Update

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

09/02/21

Comparison Trends

Comparison Table 2

Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1.	96.8	94.7	99.5	108.8	130.9	132.9		111.0	112.2	106.5	114.8	146.8
2.	36.5	46.1	50.0	49.6	56.7	56.6	43.5	30.1	33.8	30.3	32.2	44.7
3.	48.5	40.1	46.2	51.9	82.5	76.7	62.2	40.0	44.8	38.4	43.5	72.7
4.		32.1	36.8	42.1	52.6	50.0	49.5	39.1	31.9	33.3	32.7	60.7
5.		16.7	18.8	21.0	34.5	36.9	35.9	23.4	25.4	18.4	21.2	36.4
6.			41.3		80.5	69.8	51.9	39.7	39.4	32.3	39.2	68.0
7.				15.8	41.2	48.5	26.5	20.1	21.6	19.0	24.3	49.8
8.				65.1	84.1	83.0	80.7	58.1	65.7	52.9	60.4	84.1
9.					76.6	71.8	58.9	42.2	45.6	40.9	43.5	69.5
10.					132.6	91.1	122.7	48.7	90.8	82.3	85.2	109.0
11.					36.2	29.5	32.2	17.4	28.9	19.7	27.0	30.4
12.									122.5	113.0	121.4	125.6
13.									102.9	85.9	95.9	126.2
14.									9.7	10.0	10.4	14.0
15s.									41.7	36.2	45.9	50.5
15d.									169.9	140.1	156.3	246.7
16.										41.4	40.7	49.3
17.										21.1	24.5	33.6
18.										75.7	91.6	120.9
19.										178.6	185.3	201.0
20.										198.9	199.0	199.0
21.										120.4	128.1	
22.												113.8
23.												82.3

Δ 2020
- 2021

Δ 2015
- 2021

-32.0

-13.9

-12.5

11.9

-29.1

4.1

-28.0

-10.7

-15.2

.5

-28.8

1.8

-25.5

-1.2

-23.7

-1.1

-26.0

2.3

-23.8

-17.9

-3.3

-.9

-4.2

-30.3

-3.6

-4.6

-90.4

-8.6

-9.1

-29.3

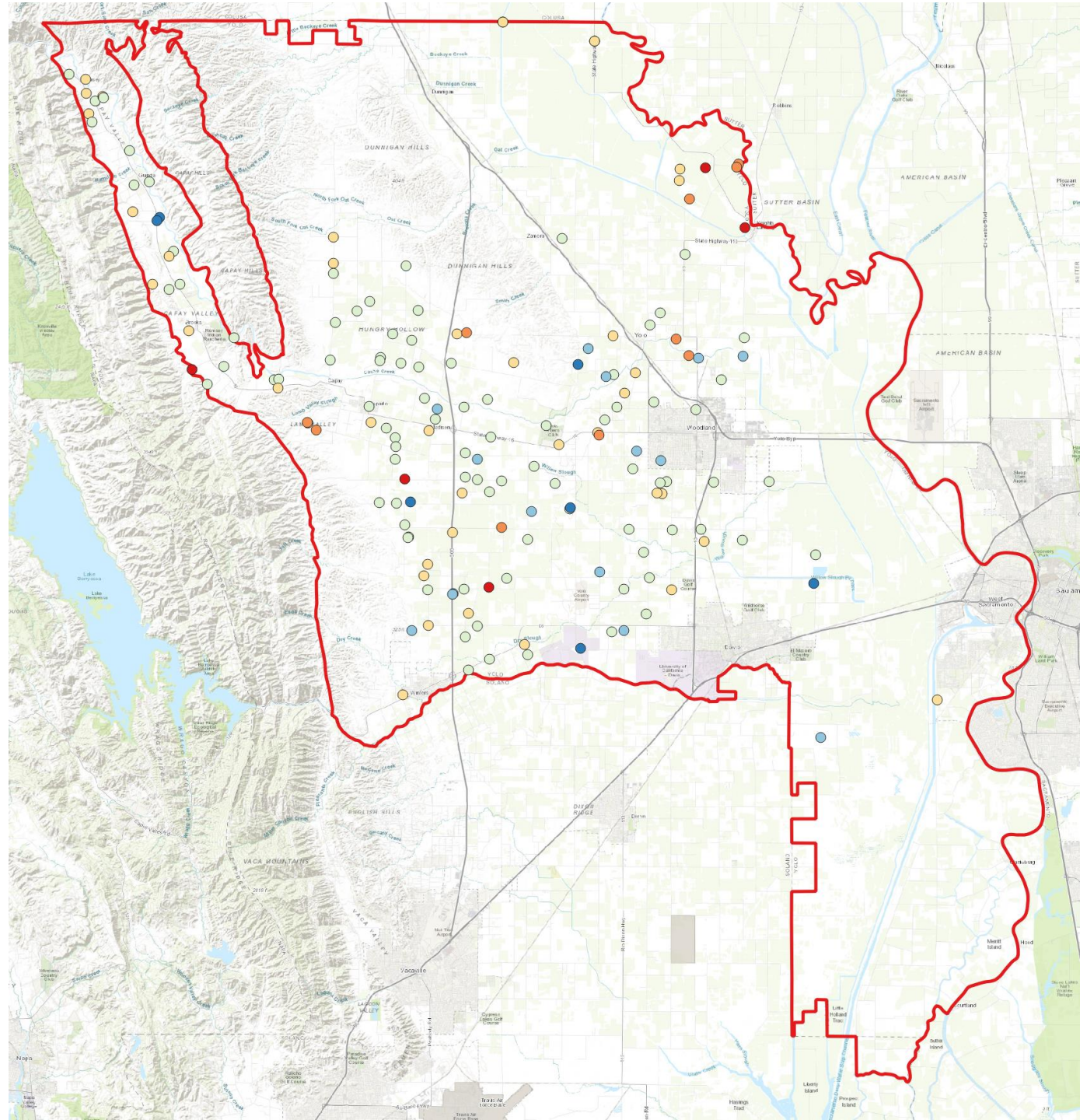
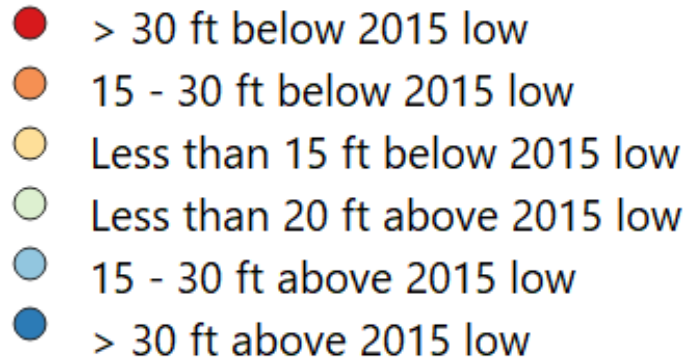
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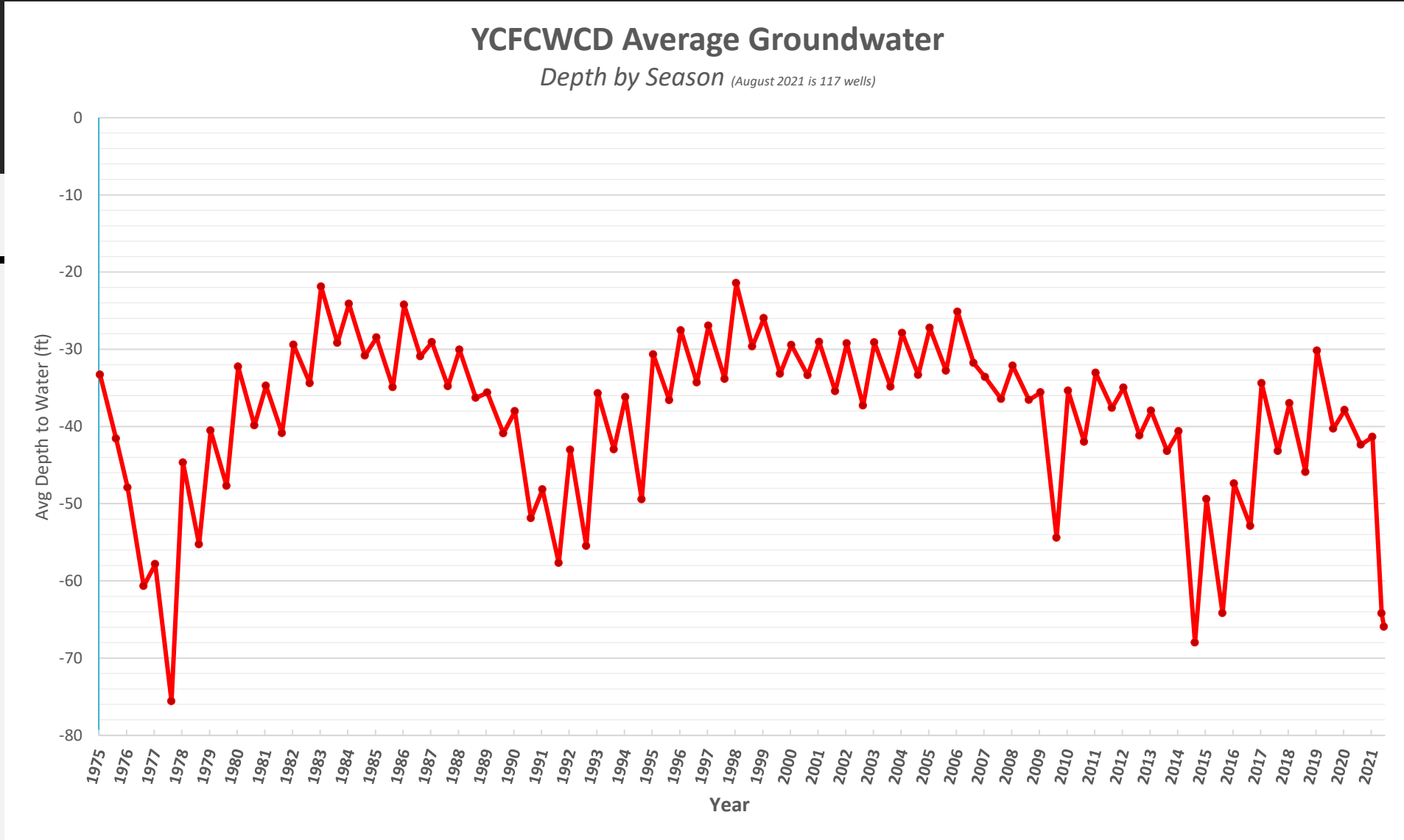
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August 2021 Depth to water

- Incorporates YCFC network & DWR measurements from August



Executive Officer Update



Update on GSP Development

-
- Draft GSP Posted to Website for Public Comment from Aug. 25 until Oct. 27, 2021
 - Review of Public Workshop Content and Comments Received (Aug. 25 & Sept. 1, 2021)

Draft Yolo Subbasin GSP Posted to Website



Draft Yolo Subbasin GSP

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

Survey for Comment Submission

- <https://www.surveymonkey.com/r/KB7DXYV>

Review of Public Workshop Content

Public Workshop Review

- August 25 public meeting - 71 Participants
- September 1 public meeting - 45 Participants

September 1, 2021 Yolo Subbasin Groundwater Agency Public Workshop

Watch later Share

YOLO SUBBASIN GROUNDWATER AGENCY
PUBLIC WORKSHOP - SEPTEMBER 1, 2021

www.yologroundwater.org
530-662-3211
info@yolosga.org

MORE VIDEOS

1:35 / 1:31:51

YouTube



Review of Public Workshop Content

Presented on

- GSP Development Process
- Groundwater Conditions in the Yolo Subbasin
- Sustainable Management Criteria
- Projects and Management Actions

Review of Public Workshop Comments Received

Questions Related
to Technical Issues

Questions about
the organizational
structure of the
YSGA

Review of Public Workshop Comments Received

Questions about data gaps
– Dunnigan Hills, South Yolo

Questions related to a changing future:

Changing land use, climate change, and changes in groundwater usage

Review of Public Workshop Comments Received

Concerns about the financial impacts to domestic well owners

Concerns about management actions, meters on pumps, the well permitting process, groundwater transfers, and limits on new wells

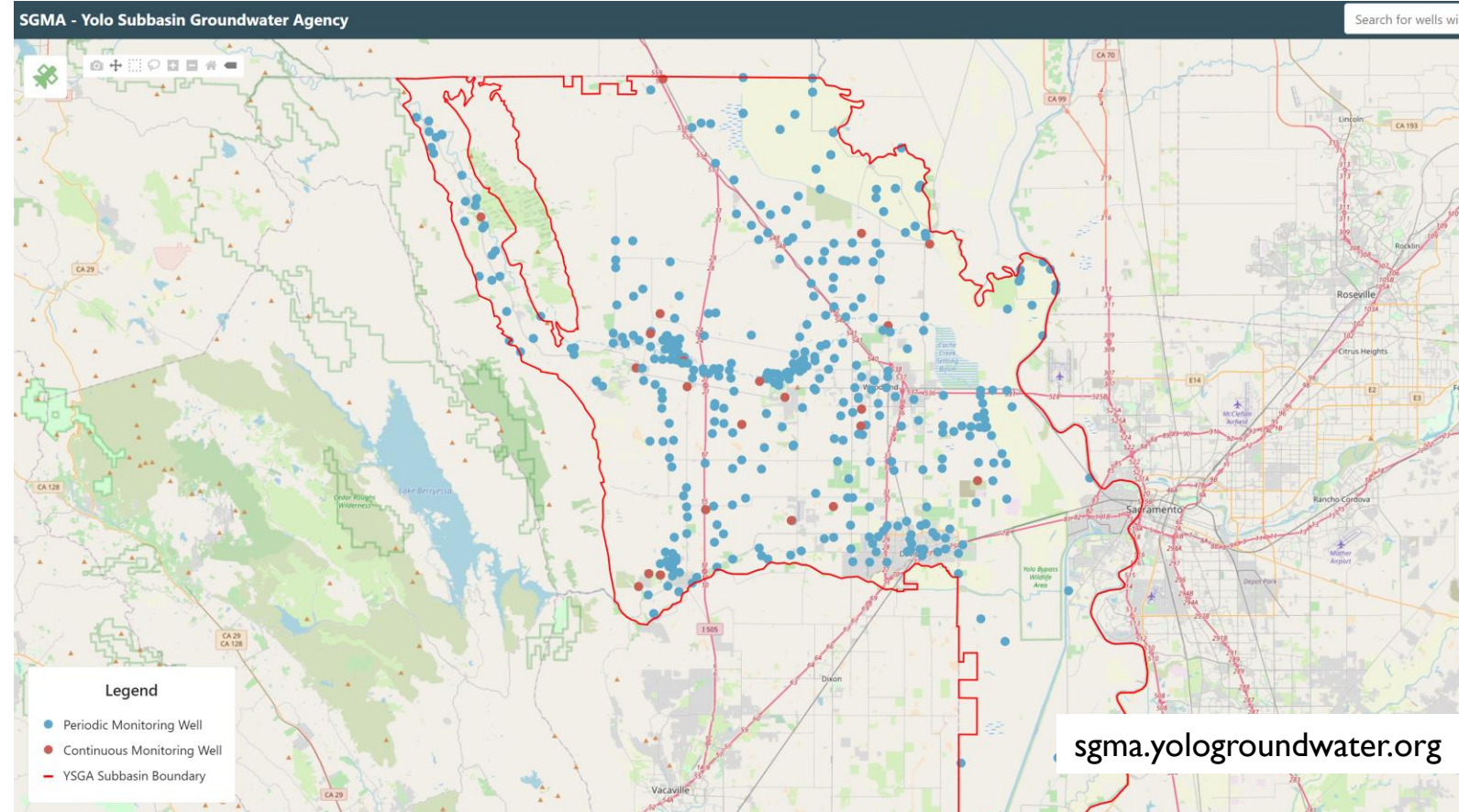
Consideration of Forming a YSGA Drought Contingency Planning Committee

Committee Intent

Report to the County on Drought Contingency Plan Related to YSGA's Groundwater Authority (Update of 8/31 BOS Meeting)

Committee Deliverables

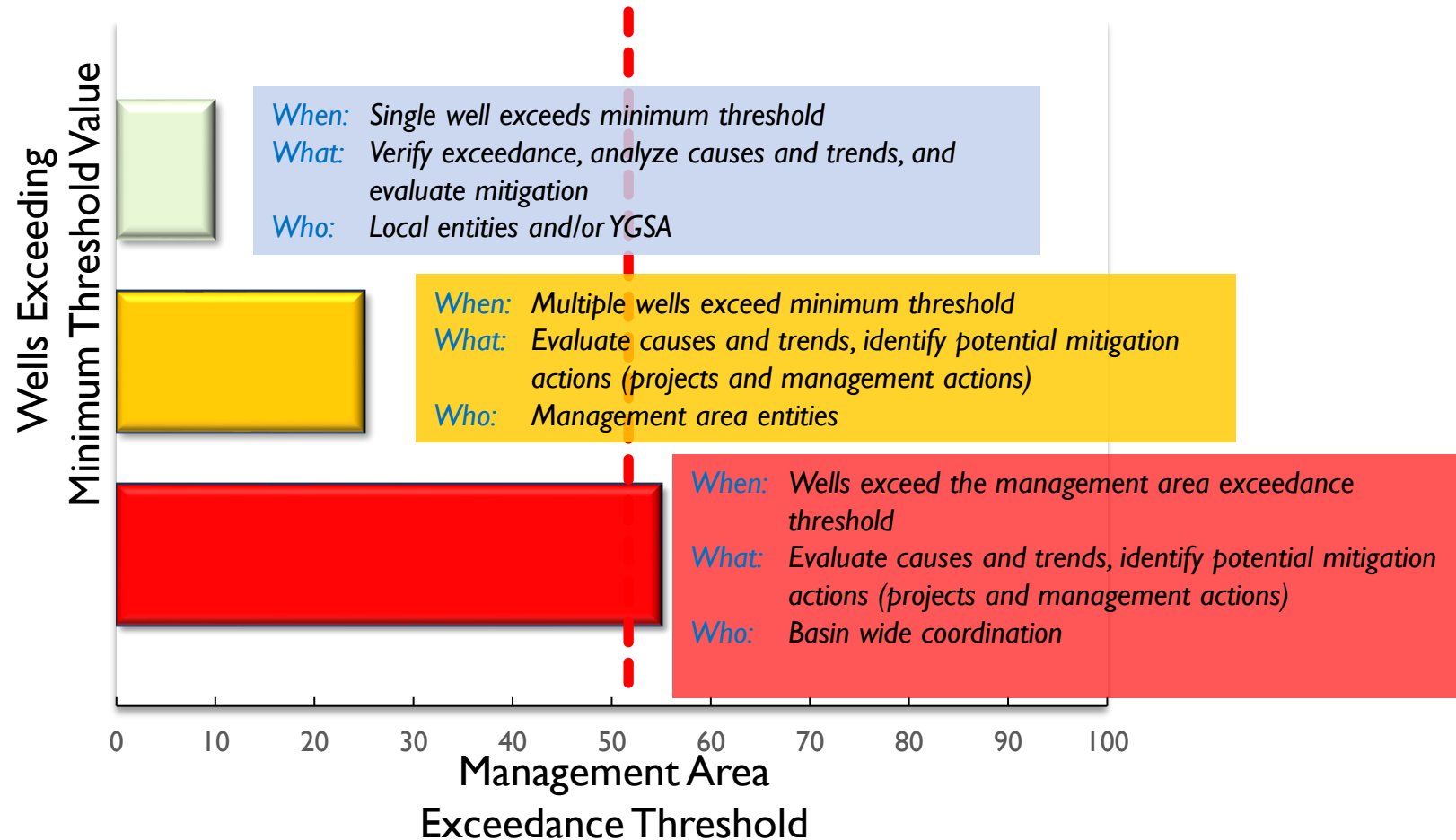
- Interim/Short-Term MAs to Better Manage a Longer-Term Drought
- Prioritize Projects for Implementation – Projects Ready to Proceed



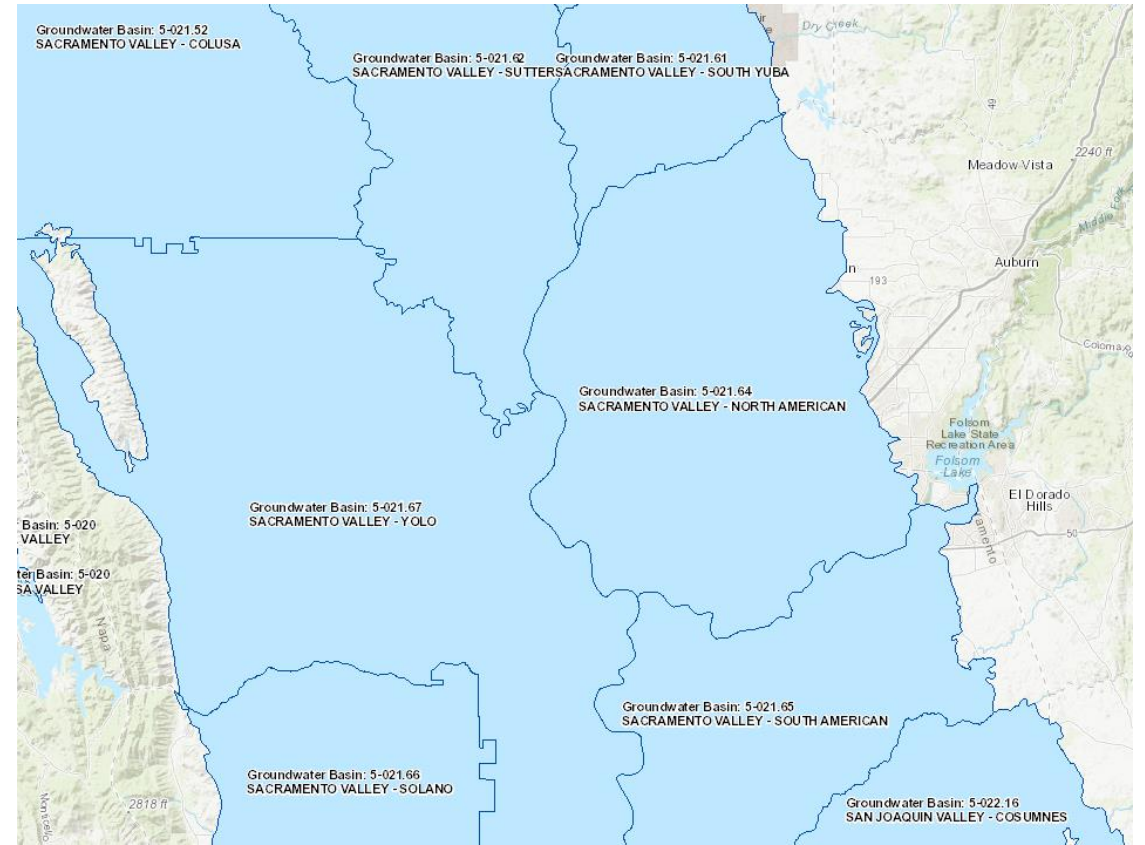
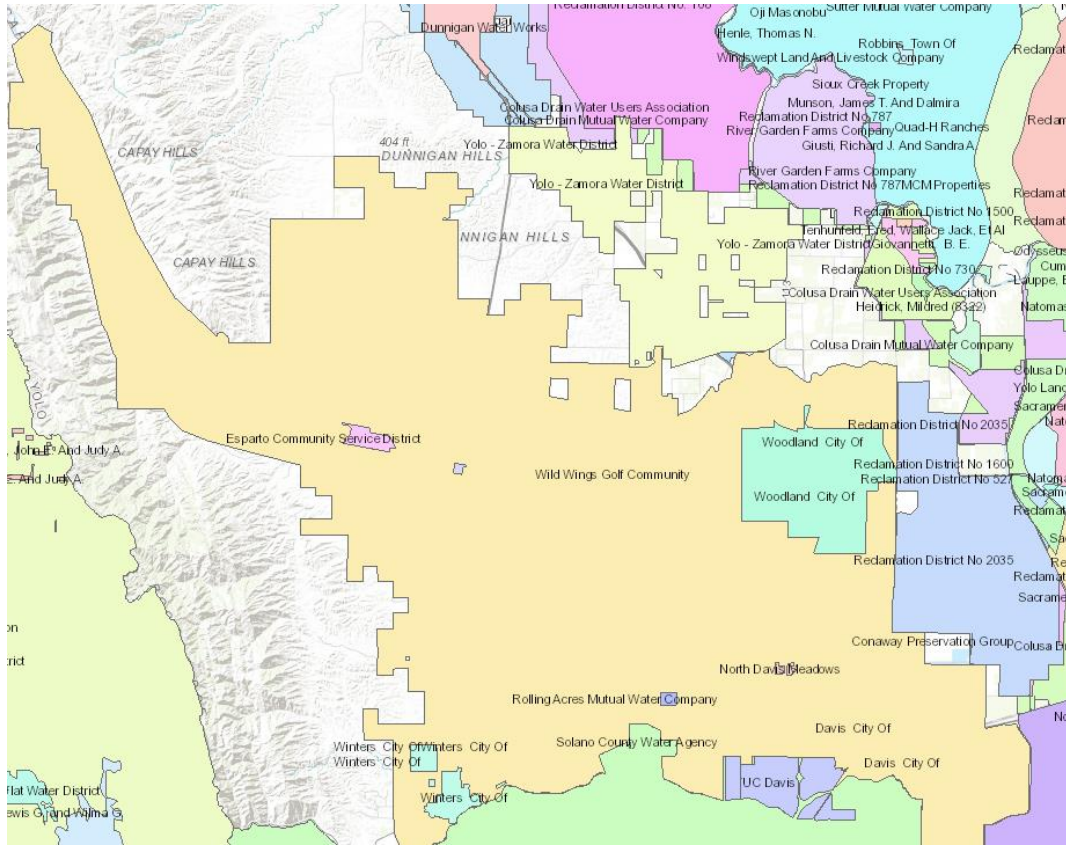
MA I: CONTINUED AND IMPROVED GROUNDWATER MONITORING PROGRAM

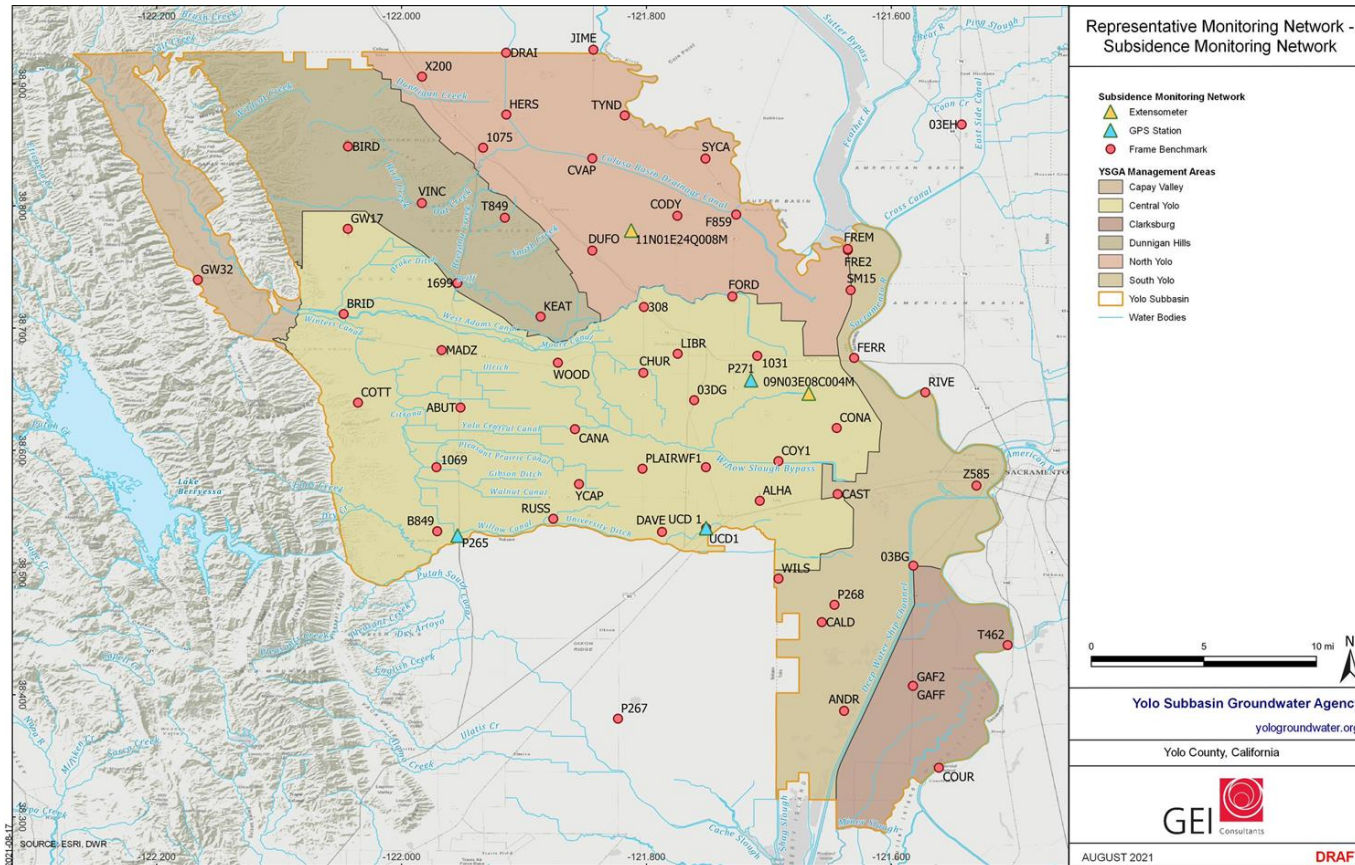
MA 2: Coordinated Response to Minimum Threshold Exceedances

Exceeding the Minimum Threshold in any well is important and will be addressed



MA 3: Continue Coordination Efforts with Other Management and Monitoring Entities





MA 4: SUBSIDENCE MONITORING PROGRAM

MA 5: Preparedness Through Increased Groundwater Recharge and Managed Aquifer Recharge Projects



Credit: Stanford University



MA 6: CONJUNCTIVE WATER USE PROGRAM

MA 7: Increased Outreach and Information Sharing of Groundwater Resources and Knowledge Within the Yolo Subbasin

Yolo Subbasin Groundwater Agency

Contact Us: (530) 662-3211

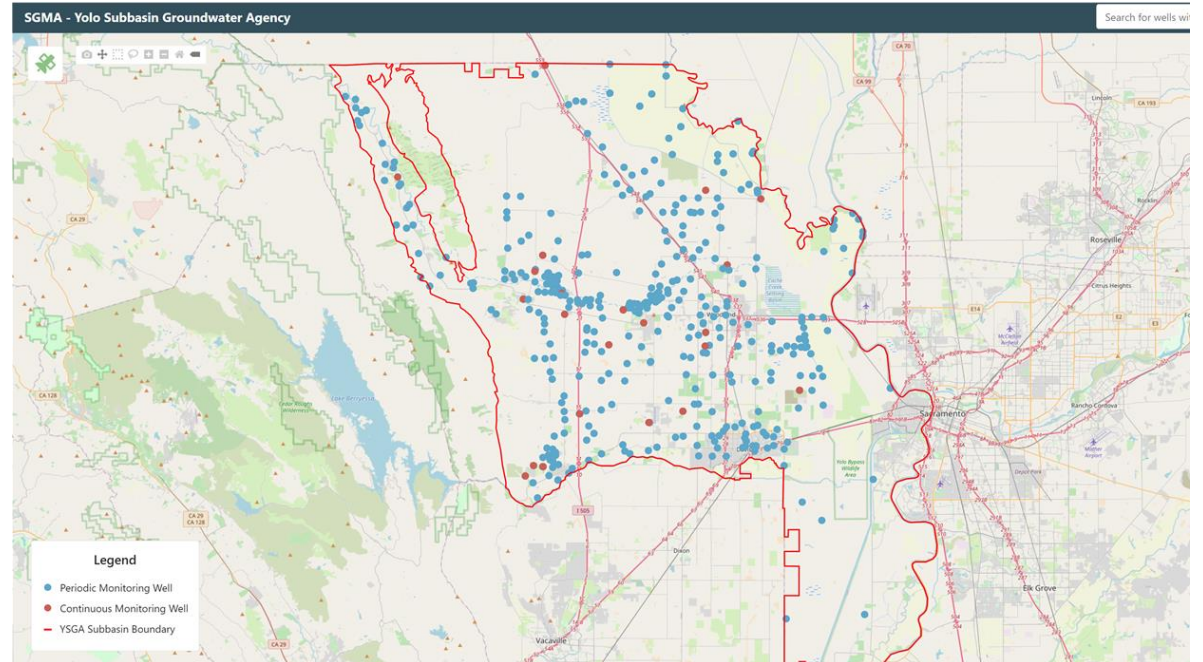
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QUICKLINKS

- MEETINGS
- BOARD MEMBERS
- BOARD OFFICERS AND STAFF
- GROUNDWATER WELL NEWS
- PUBLIC OUTREACH
- GSP - DRAFT SECTIONS
- INDIVIDUAL WELL OWNER ASSESSMENT
- GSP - PROJECTS AND MANAGEMENT ACTIONS





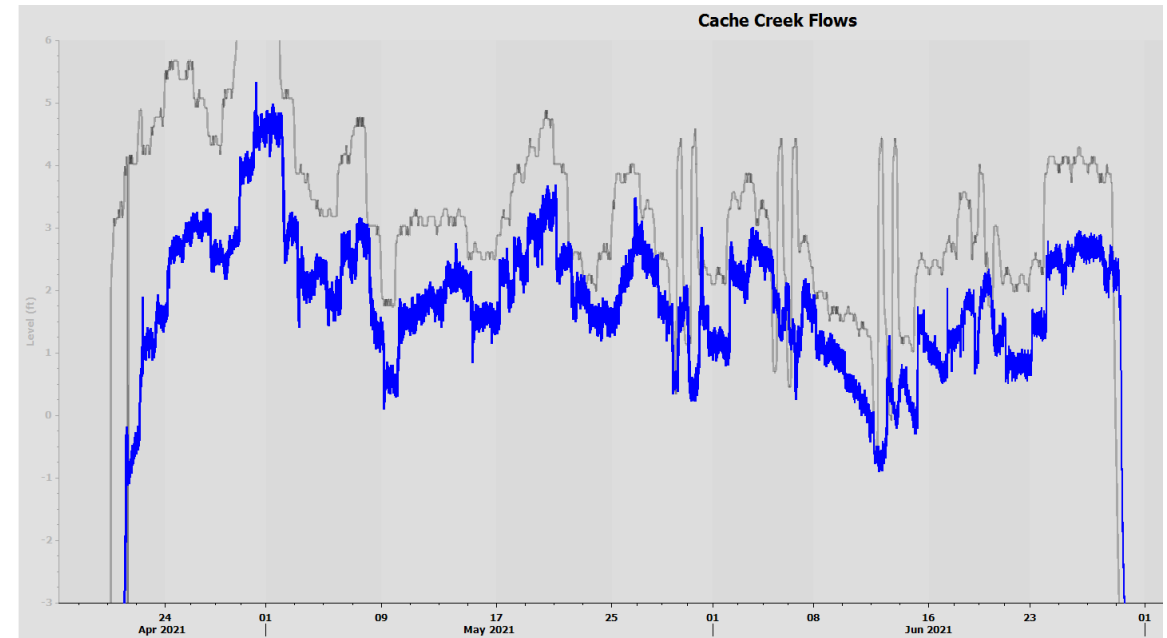
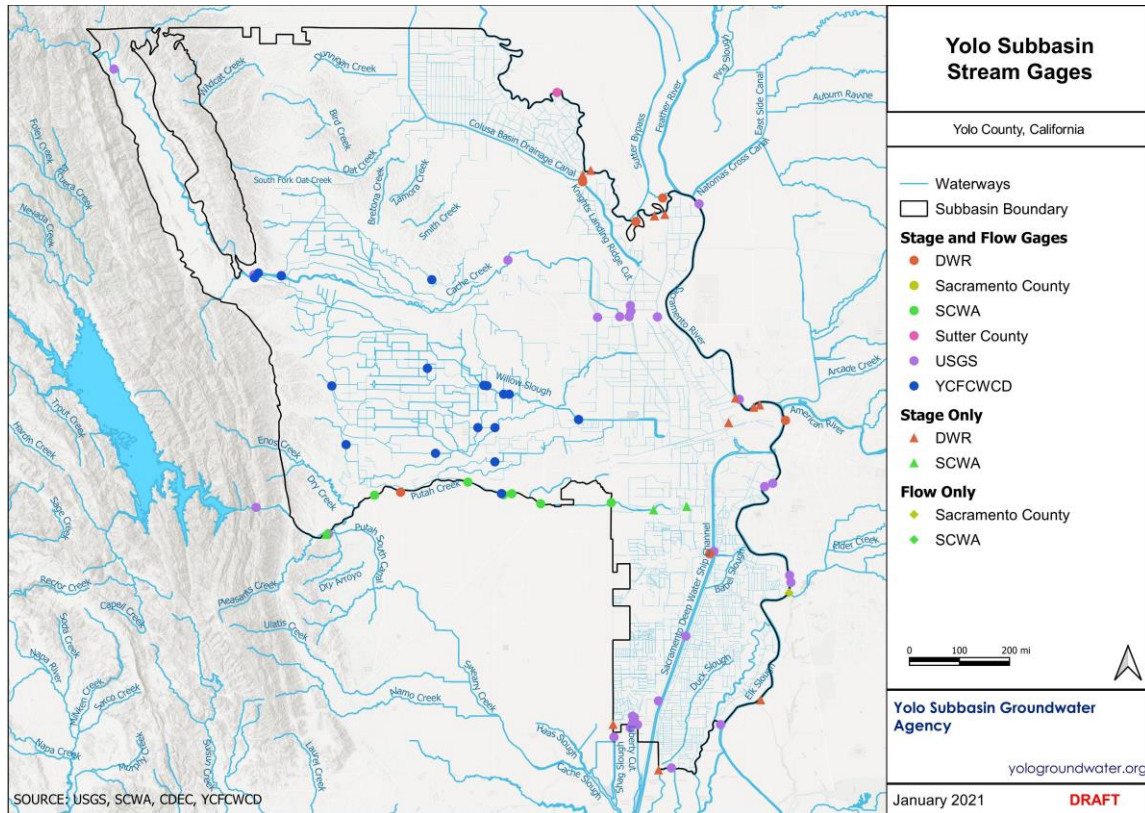
MA 8: DOMESTIC WELL IMPACT MITIGATION PROGRAM

Framework for a Drinking Water Well Impact Mitigation Program

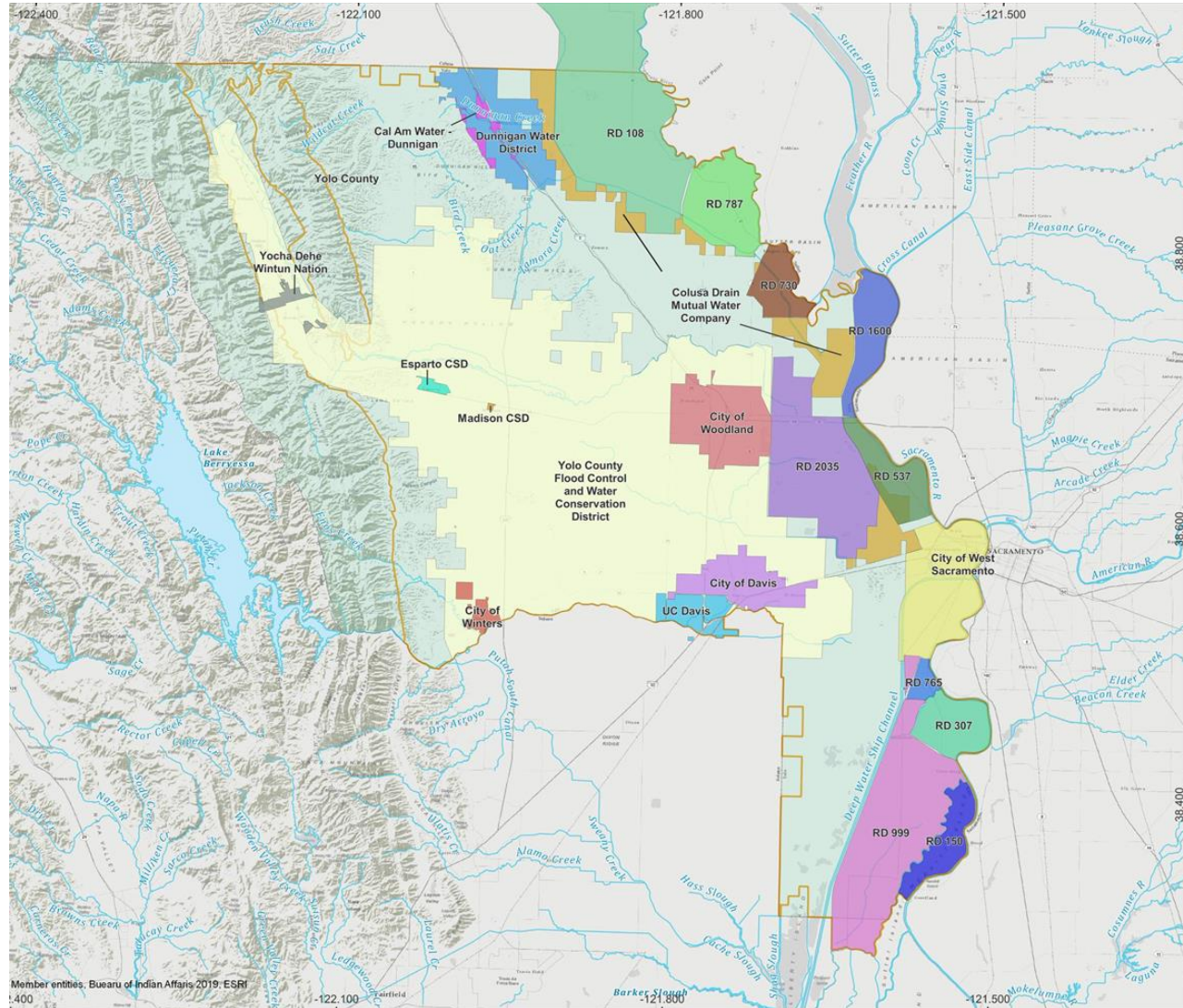


Written by Self-Help Enterprises, Leadership Council for
Justice and Accountability, and the Community Water Center

MA 9: Surface Water Monitoring Program



MA 10: MANAGEMENT CONSIDERATION OF GREY AREAS IN THE YOLO SUBBASIN



MEMBER AGENCIES

- Member Agencies**
 - Cal Am Water - Dunnigan
 - City of Davis
 - City of West Sacramento
 - City of Winters
 - City of Woodland
 - Colusa Drain Mutual Water Company
 - Dunnigan Water District
 - Esparto CSD
 - Madison CSD
 - Reclamation District (RD) 108
 - RD 150
 - RD 1600
 - RD 2035
 - RD 307
 - RD 537
 - RD 730
 - RD 765
 - RD 787
 - RD 999
 - UC Davis
 - YCF&WCD
 - RD 537
 - Yocha Dehe Wintun Nation
 - Yolo County
- Other Features**
 - Yolo Subbasin
 - Water Bodies

Not Shown: Yolo County Farm Bureau, Environmental Representative

0 5 10 mi

Yolo Subbasin Groundwater Agency
yologroundwater.org

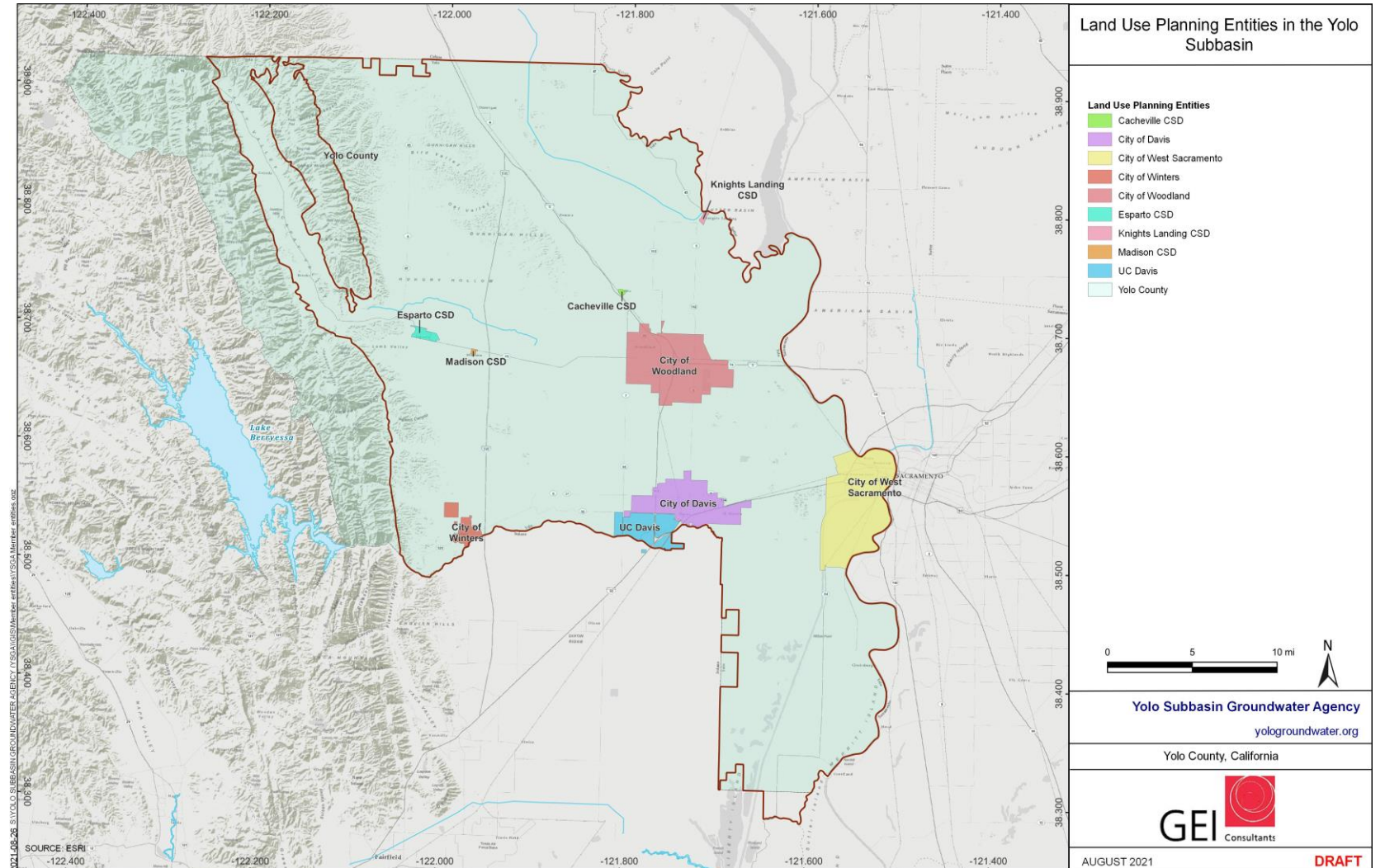
Yolo County, California

GEI Consultants

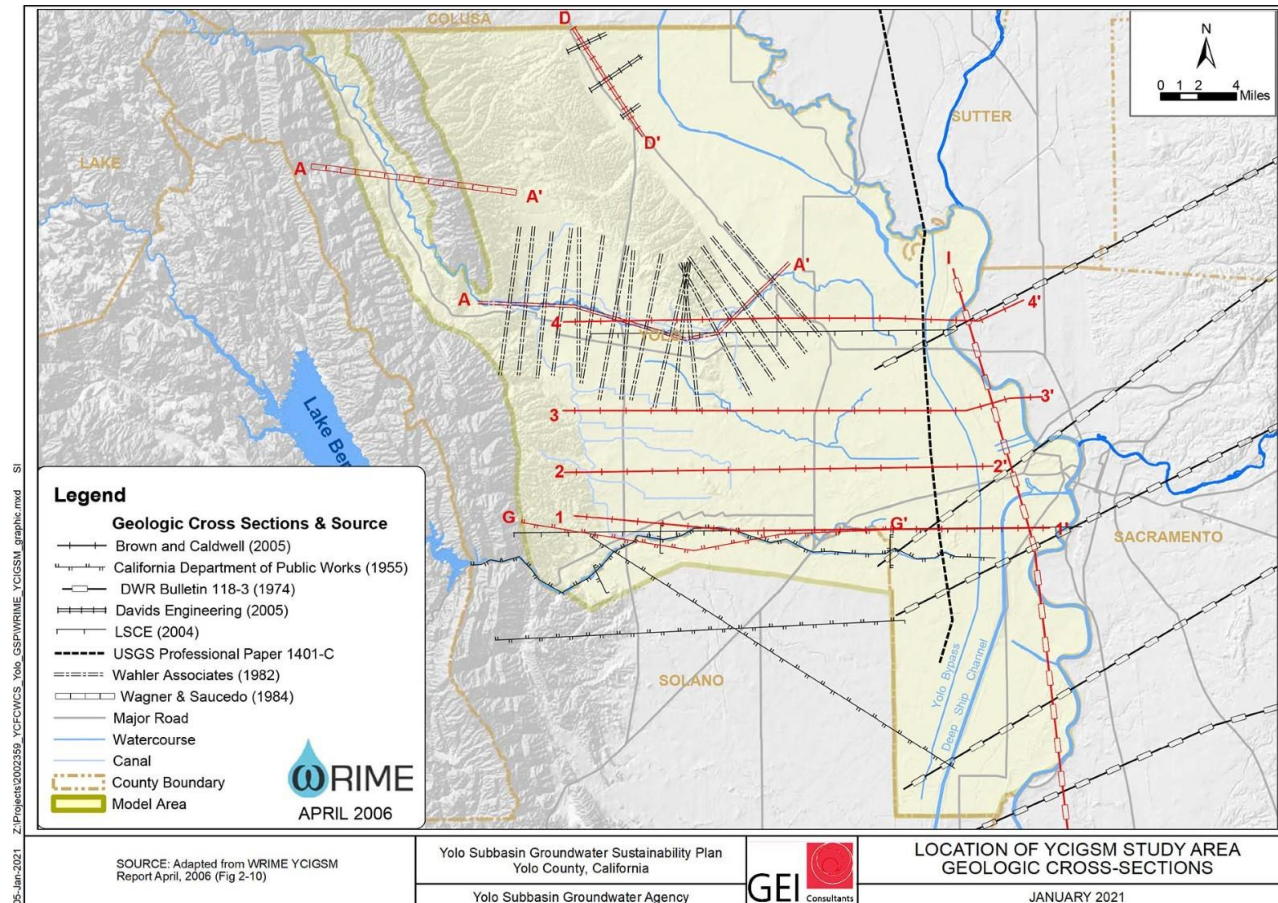
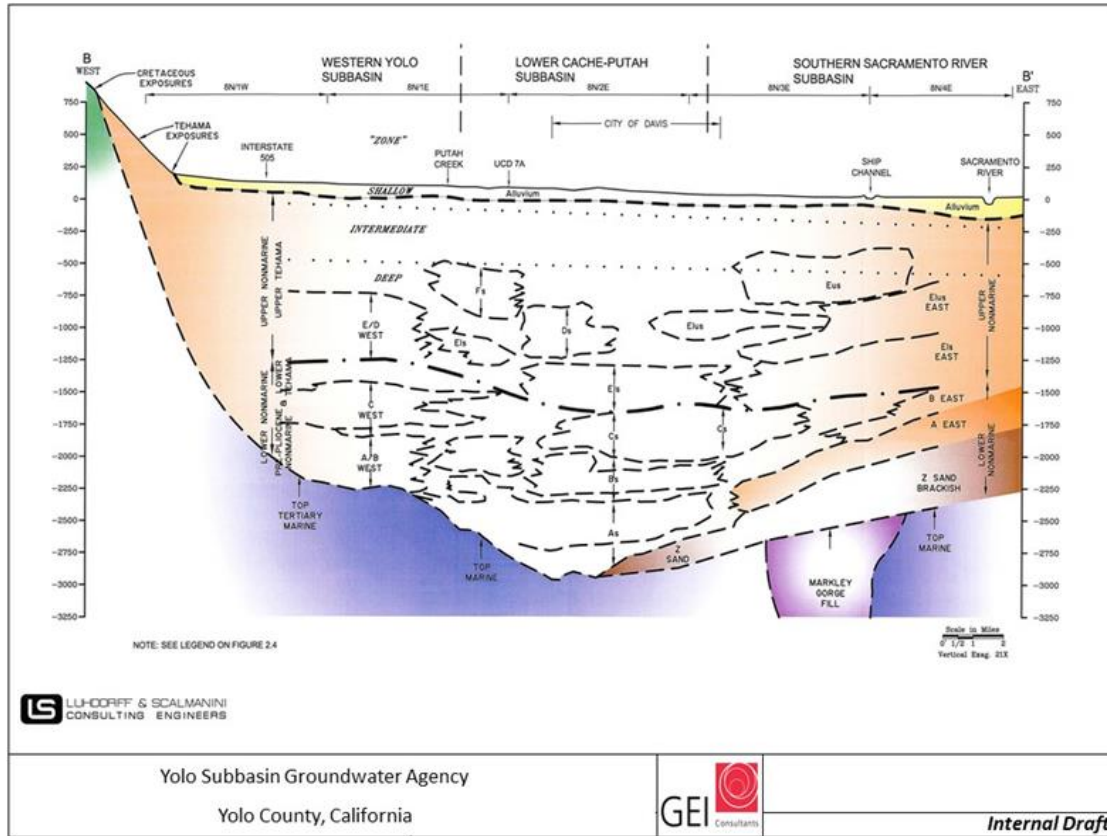
AUGUST 2021 **DRAFT**

MA 11: Coordination Efforts with Land Use Planning Entities

- Yolo County
- Davis
- Woodland
- Winters
- West Sacramento



MA 12: Continued Investigation of Subsurface Geology and Aquifer Properties in the Yolo Subbasin



Consideration of Forming a YSGA Drought Contingency Planning Committee

Committee Intent

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Committee Deliverables

- Interim/Short-Term MAs to Better Manage a Longer-Term Drought
- Prioritize Projects for Implementation – Projects Ready to Proceed

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Potential Near-Term Management Actions for Mitigating Drought

- Expansion or additional evaluation of implementing MA2 and MA8

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- Consideration of additional data that can be collected as part of the well permitting process

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Potential Near-Term Management Actions for Mitigating Drought

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- Consideration of allowing YSGA staff time to assist with grant writing for drought funding opportunities
- Evaluation of new well limitations in the short-term – potentially only on property that has not been irrigated historically
- Others?

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Buckeye Creek Recharge Project



Image 1 – Project Location

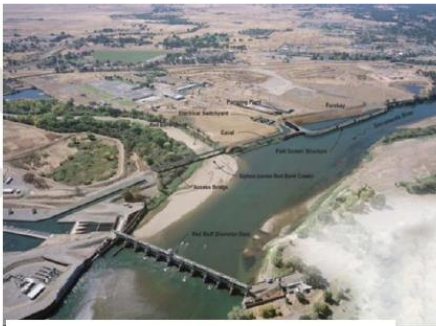


Image 2 – TCCA Pumping Plant



Image 4 – Dewatering Gate



Image 3 – Project Location Detail

- 180-day temporary permit with SWB
- Diverts water from Tehama Colusa Canal to Buckeye Creek via dewatering gates
- Pilot project that can be applied to other small Creeks
- Estimated cost: \$60-123k
- Estimated AF recharged: 1-2 TAF
- Cost per AF: ~\$60/AF

Future Working Group Discussions

-
- Advisory Committee Roles
 - Annexation of “Grey Areas”
 - Role of Water Transfers