



YSGA Working Group Meeting

August 31, 2022



Agenda

- Approve Minutes
- Executive Officer Update
- Drought Update: Current Water Conditions and Summer 2022 Projections
 - SB 552 and Drought Planning: Yolo OES
 - WRA TC Ad Hoc Drought
 - YSGA Drought Contingency Planning Committee
- GSP Implementation Update:
 - Summary of Projects Received during the Project Solicitation
 - Prioritization Process and Review of Prioritization Criteria
 - DWR's SGMA Implementation Funding
- Discussion: WRA Dissolution and Incorporation into the YSGA
- Discussion: Management Area Advisory Committee Framework
 - *Draft* Public Advisory Committee Concept
- Wrap Up and Next Steps

A background image of a sunflower field. The sunflowers are yellow with dark brown centers. The image is slightly blurred, giving it a soft, artistic feel. The text is overlaid on the center of the image.

Roll Call & Determination of Quorum

A field of sunflowers is shown with a semi-transparent dark overlay. The sunflowers are in various stages of bloom, with bright yellow petals and dark brown centers. The background is a soft, out-of-focus landscape with a blue sky and green foliage.

Adding Items to the Posted Agenda

A field of sunflowers is shown in a soft, slightly desaturated light. The sunflowers are yellow with dark brown centers. The text 'Public Forum' is centered over the image in a white, sans-serif font. A thin white horizontal line is positioned below the text.

Public Forum

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image is slightly blurred and has a soft, warm tone.

Approve Minutes

March 2, 2022

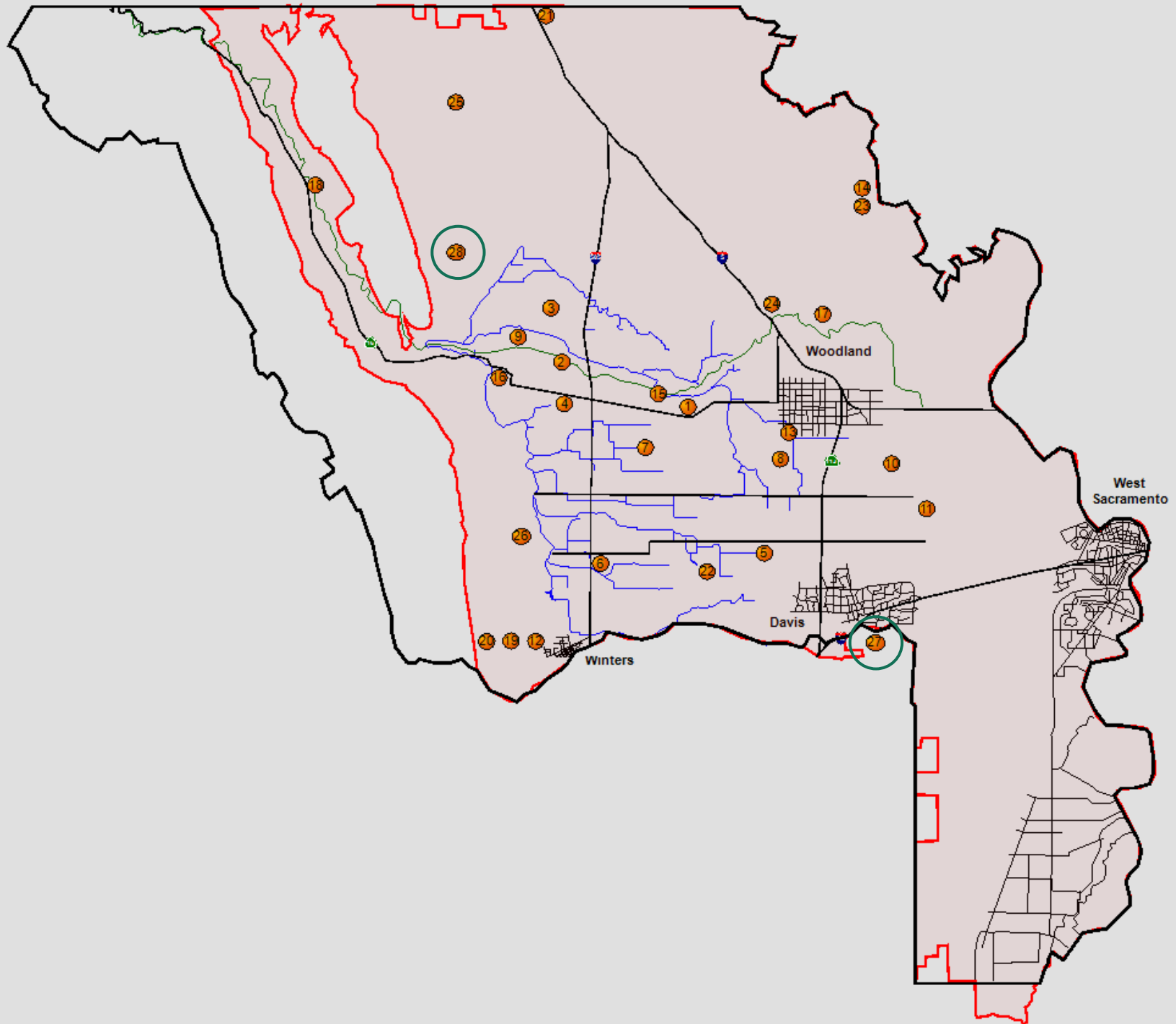
A photograph of a field of sunflowers. The background is a soft-focus field of many sunflowers under a clear blue sky. In the foreground, a single sunflower is in sharp focus, showing its bright yellow petals and dark brown center. The text "Executive Officer Update" is overlaid in white, centered horizontally, with a thin white horizontal line underneath it.

Executive Officer Update

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image has a soft, slightly desaturated color palette, giving it a calm and natural feel. The sunflower in the foreground is the central focus, with its bright yellow petals and dark brown center clearly visible. The background is filled with more sunflowers, some in focus and some blurred, creating a sense of depth. The overall lighting is soft, suggesting a gentle, natural light source.

Water Conditions Update

Well Monitoring
Real-Time






SCADA Links

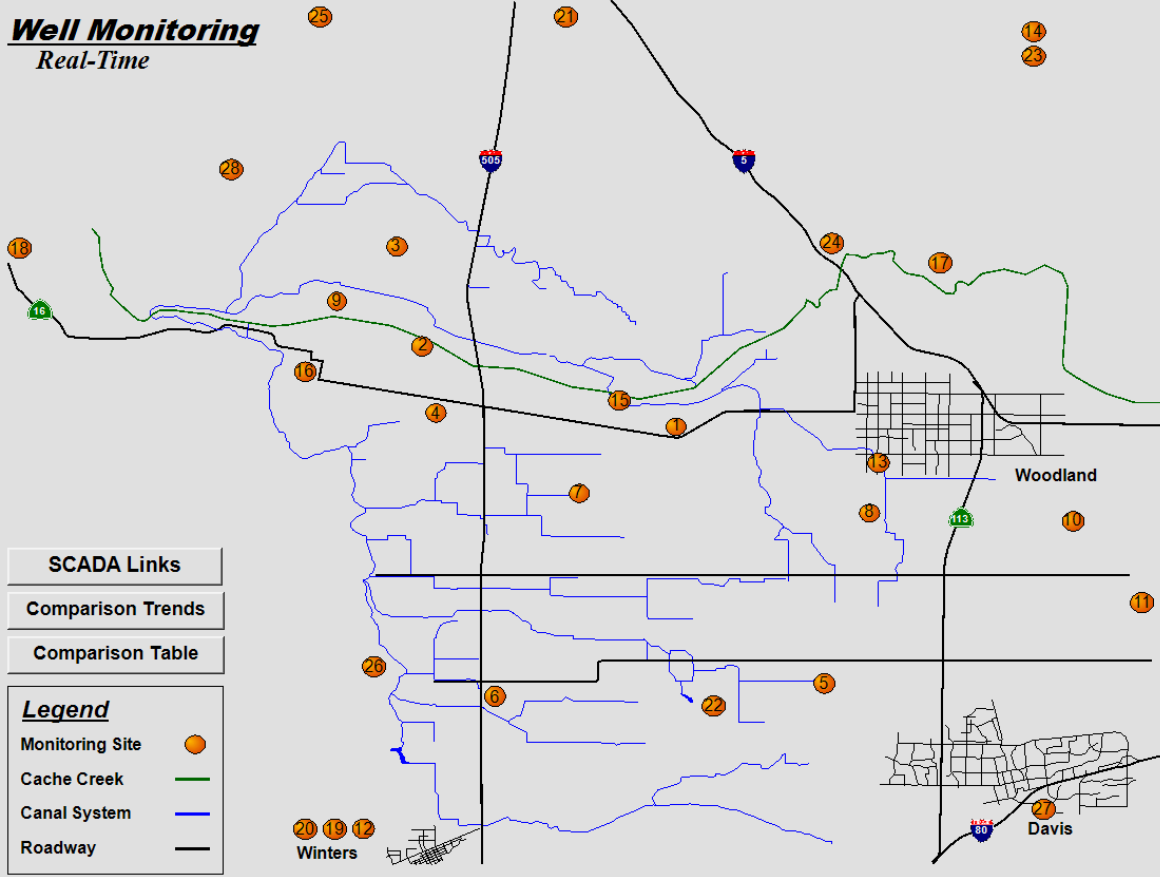
Comparison Trends

Comparison Table

Legend

- Monitoring Site 
- YSGA 
- County 

Well Monitoring
Real-Time



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

SCADA Links

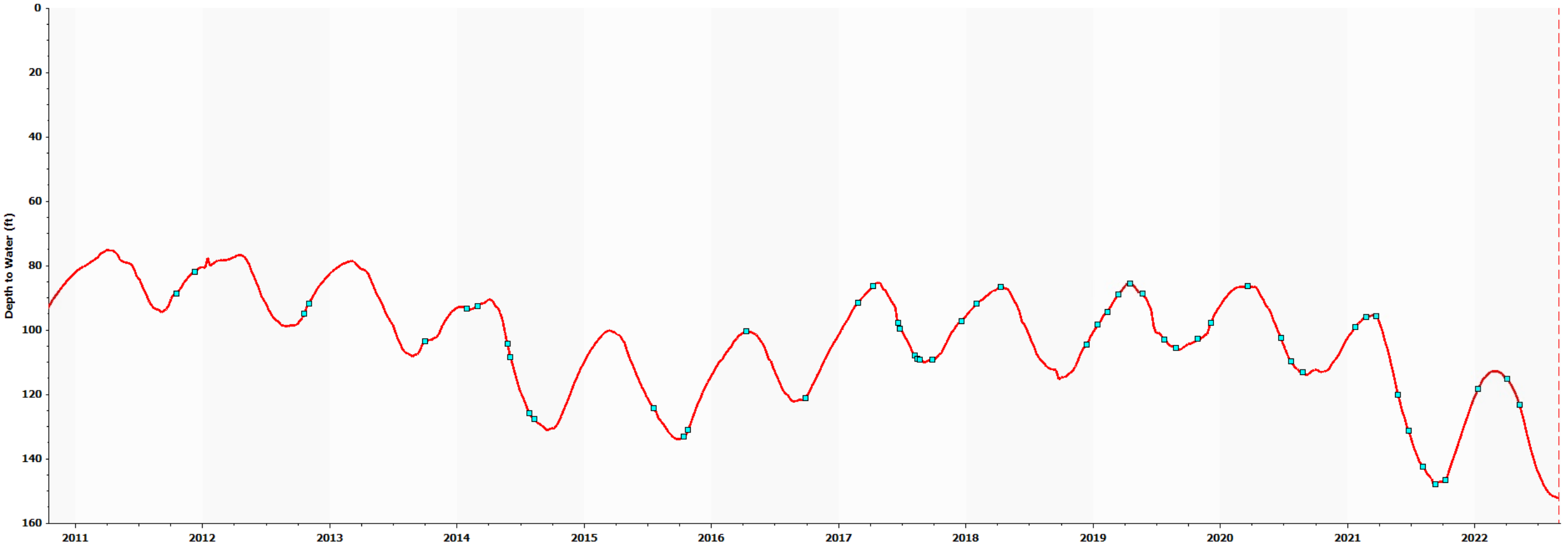
Well Map

Select Date

08/31

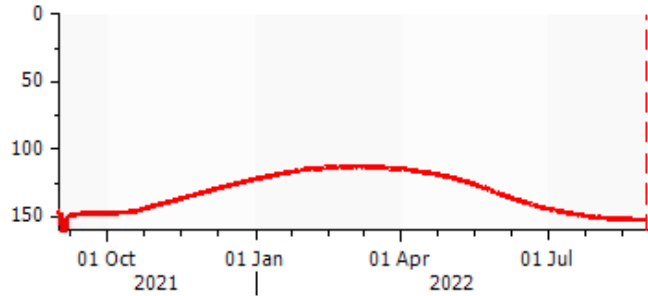
Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Δ 2021 - 2022	Δ 2015 - 2022
1.	98.0	94.2	99.1	109.0	130.5	133.0	123.4	110.1	112.5	106.5	115.0	147.0	153.1	-6.1	-20.1
2.	36.8	35.8	48.9	41.2	54.1	54.4	44.1	30.4	33.7	30.2	32.0	44.3	56.5	-12.2	-2.1
3.	48.6	39.9	46.2	52.0	82.5	75.0	62.4	40.1	44.7	38.5	43.6	72.7	89.2	-16.4	-14.1
4.		31.5	38.6	45.0	54.1	49.9	48.8	38.3	31.9	33.9	32.5	57.6	71.2	-13.6	-21.3
5.		16.7	18.6	20.8	34.3	36.7	35.9	23.4	25.4	18.2	21.2	36.4	42.7	-6.3	-6.1
6.			47.4	48.9	79.8	68.8	53.4	39.5	40.8	34.8	38.4	64.6	74.9	-10.3	-6.2
7.			15.6	15.6	41.1	48.8	26.4	19.7	21.7	18.9	24.2	50.2	48.7	1.5	.1
8.				65.4	85.2	82.9	81.3	57.7	66.0	54.1	59.8	83.7	92.1	-8.4	-9.2
9.					76.3	71.3	59.0	42.4	45.4	40.8	43.4	69.1	80.4	-11.3	-9.1
10.					134.3	92.4	124.9	49.1	107.9	83.7	82.3	117.4	110.4	6.9	-18.0
11.					36.7	30.2	32.8	17.7	29.4	19.7	27.9	30.8	33.9	-3.1	-3.7
12.										125.8	129.3	148.5			
13.									102.5	88.0	96.1	126.4	131.0	-4.6	
14.									9.7	9.9	10.3	14.3	14.5	.0	
15s.									41.7	36.1	45.8	50.5	48.8	1.7	
15d.									169.2	139.9	156.3	246.9	273.5	-26.6	
16.										41.1	40.3	49.5	59.0	-9.5	
17.										21.1	24.4	33.6	36.9	-3.3	
18.										67.6	88.2	118.3	119.7	-1.4	
19.										178.6	185.4	200.5	211.2	-10.7	
20.										200.9	199.0	198.9			
21.										120.4	128.1	138.3	142.0	-3.7	
22.												113.8	124.6	-10.8	
23.												74.2	73.0	1.2	
24.													80.8		
25.													102.6		
26.													125.8		
27.													90.3		

1. HQ Well Depth to Water

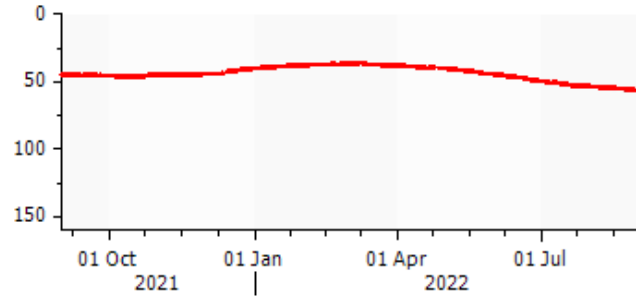


Depth to Water
8/2/22: 153 feet

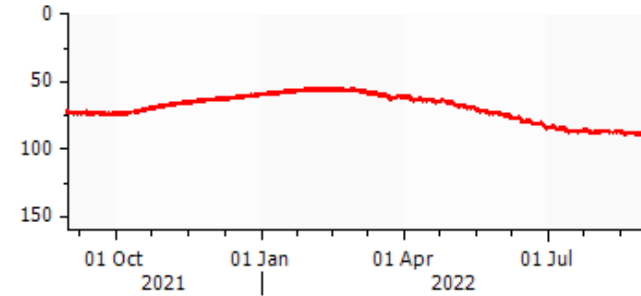
1. HQ Well Depth to Water



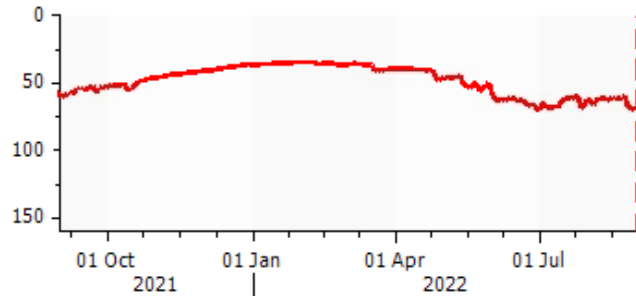
2. Syar Well Depth to Water



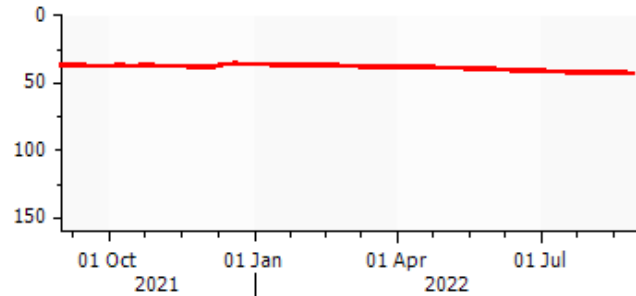
3. Lopez Well Depth to Water



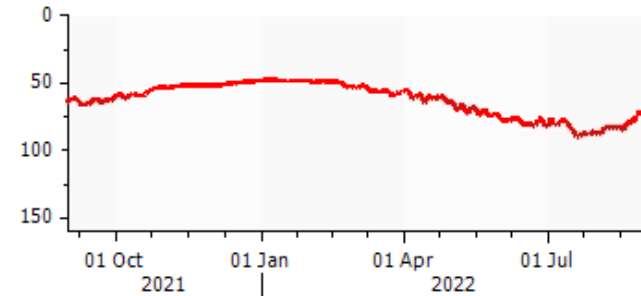
4. Madison CSD Well Depth to Water



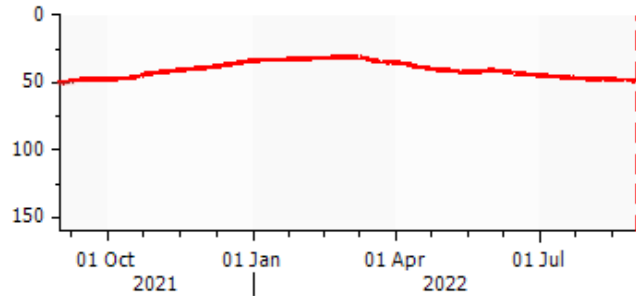
5. Eoff Well Depth to Water



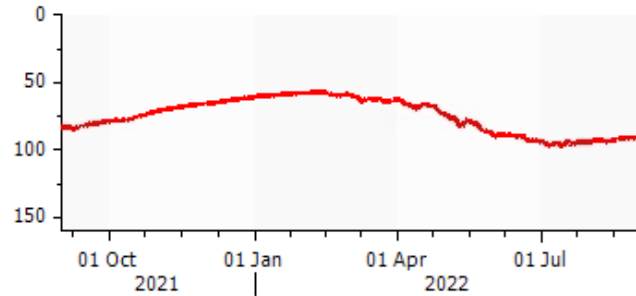
6. Chickahominy Well Depth to Water



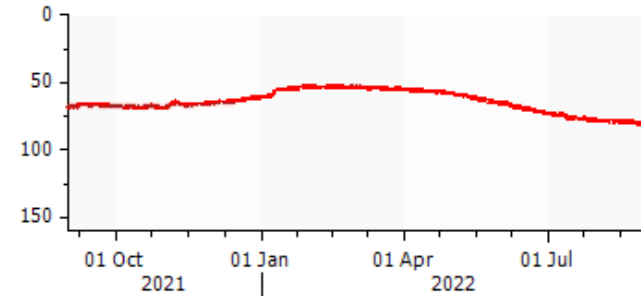
7. Beeman Well Depth to Water



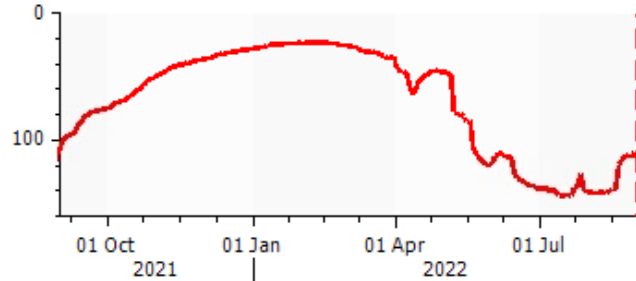
8. Harlan Well Depth to Water



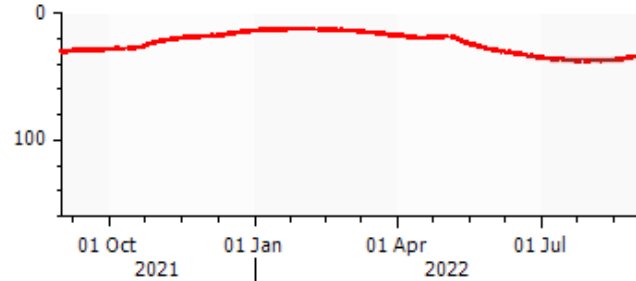
9. Teichert Well Depth to Water



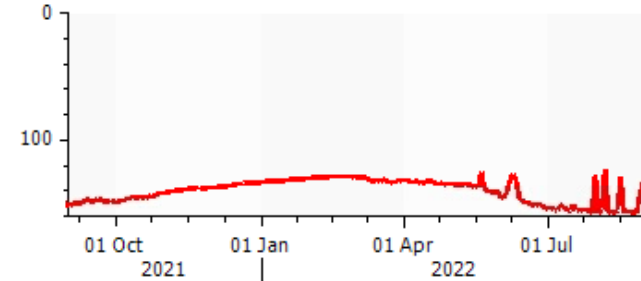
10. RD2035 MW-2D Depth to Water

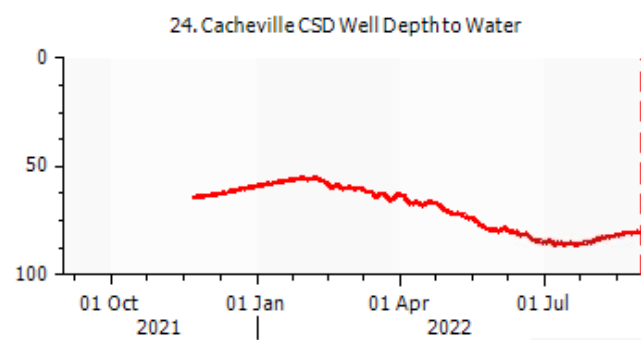
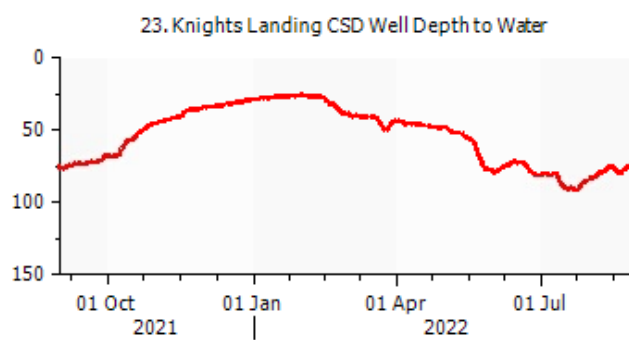
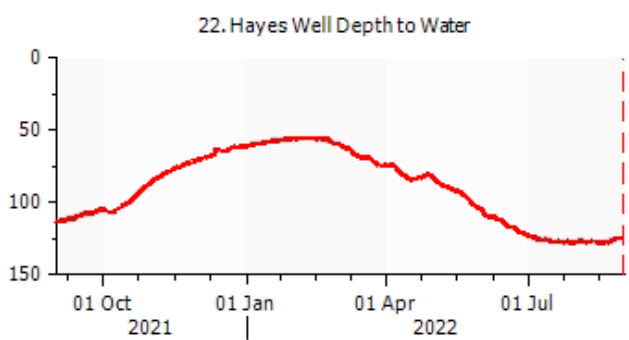
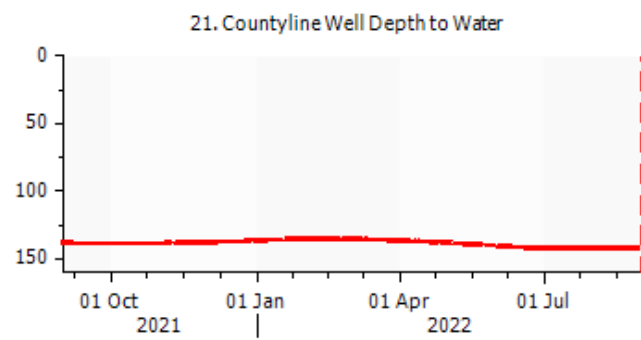
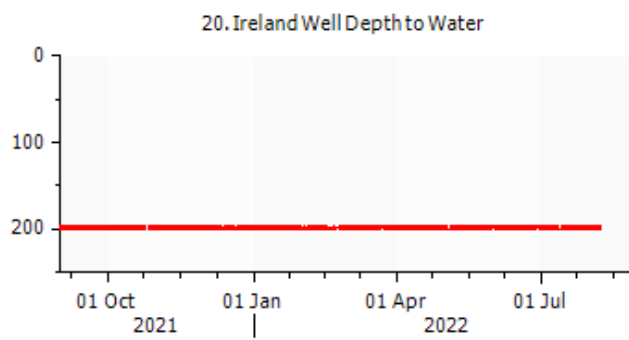
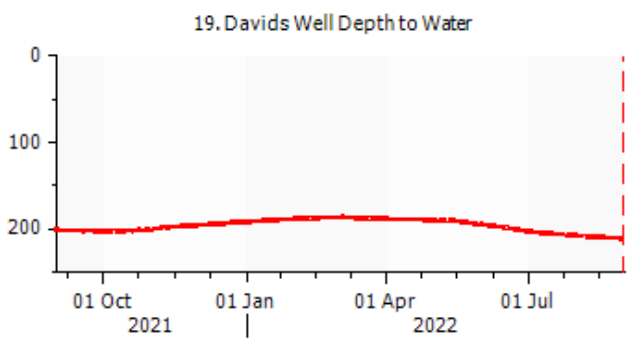
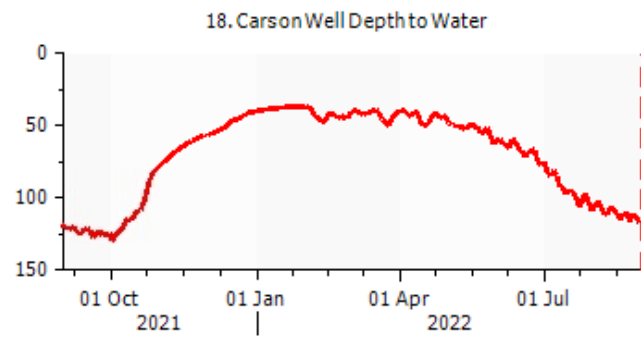
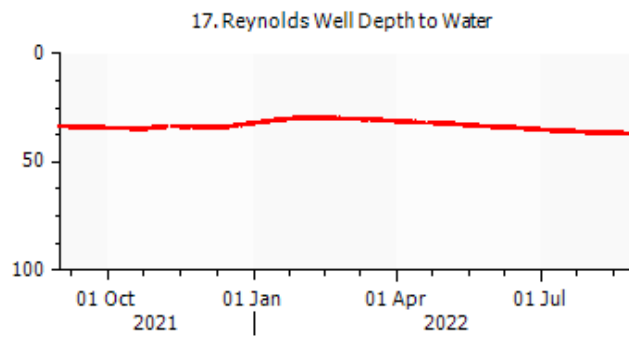
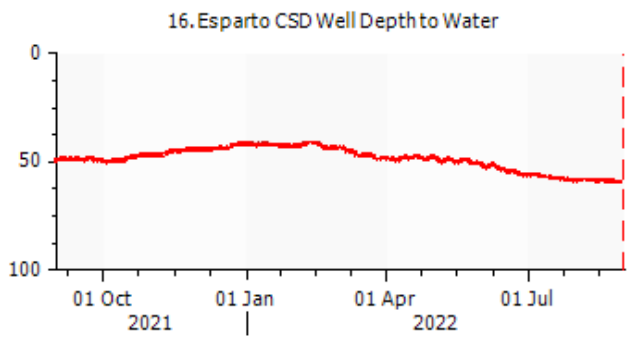
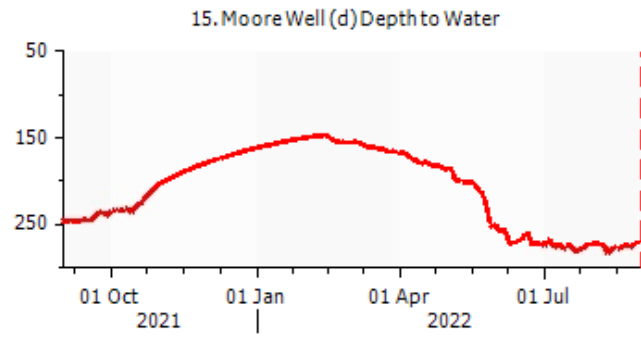
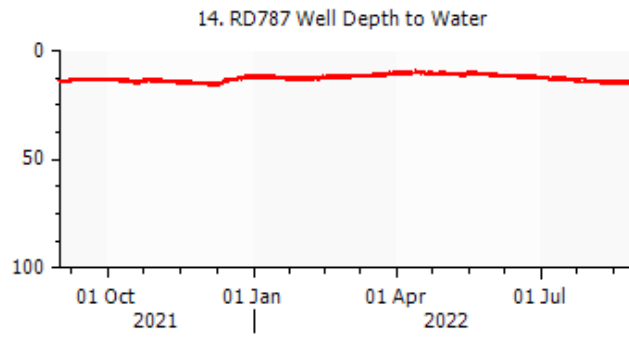
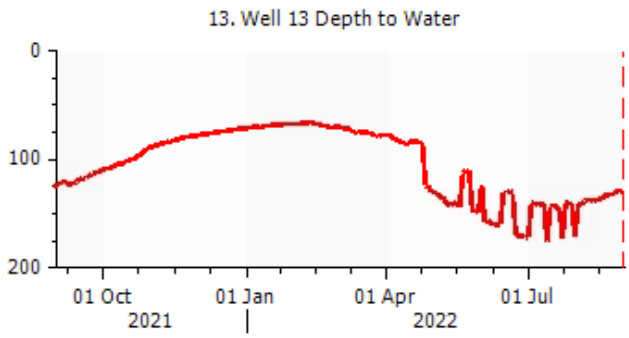


11. RD2035 MW-4D Depth to Water



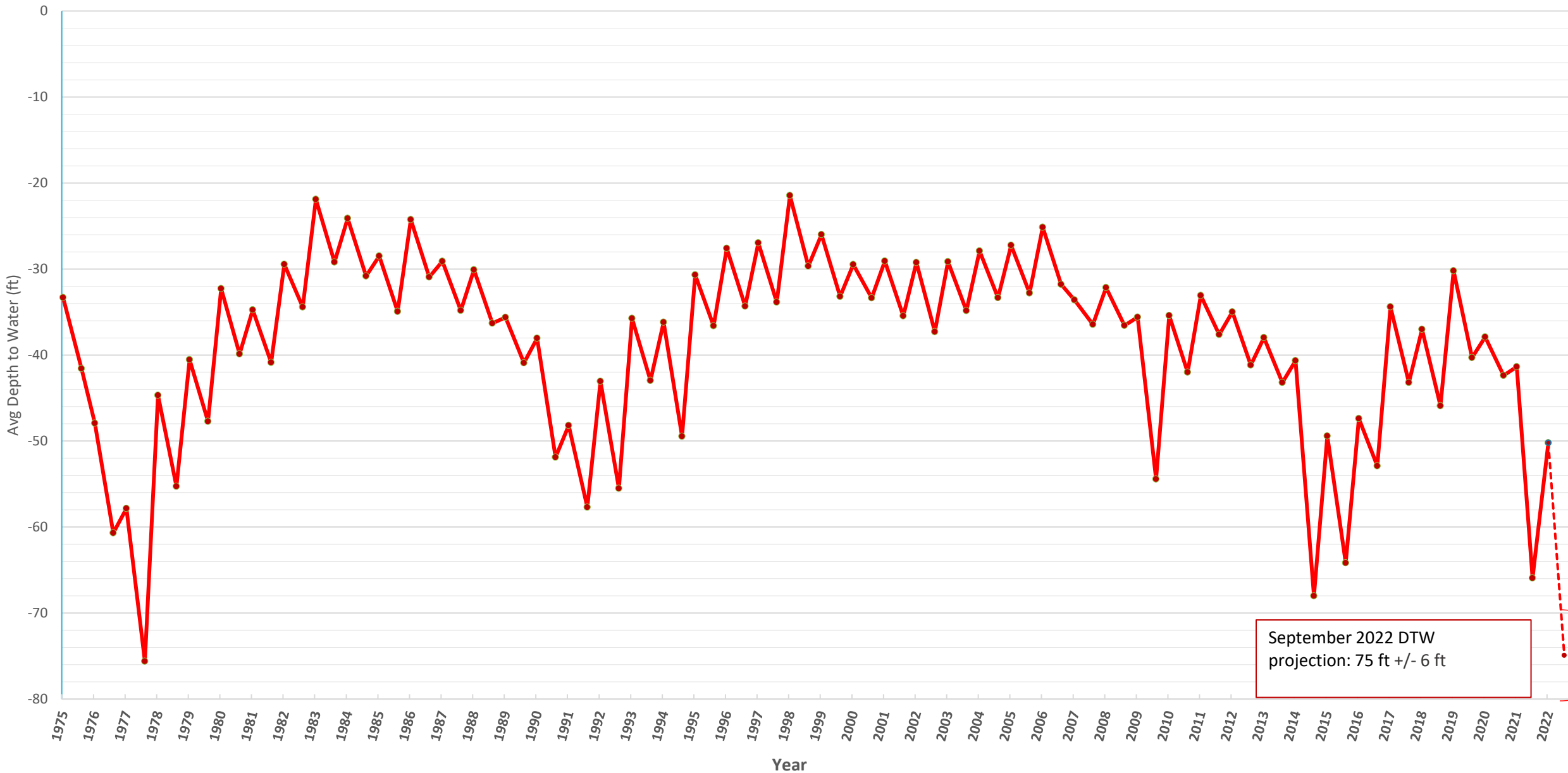
12. Hunter Well Depth to Water





YCFCWCD Projected Average Groundwater

*Depth by Season (Spring 2022 is 131 wells)***



A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image has a soft, slightly desaturated color palette, giving it a calm and natural feel. The sunflower in the foreground is the central focus, with its bright yellow petals and dark brown center clearly visible. The background shows a field of similar sunflowers stretching towards a light sky.

SB 552 and Drought Planning

Drought Planning - Counties

New requirements:

- Establish a standing drought task force or similar alternative
 - Purpose: To facilitate drought and water shortage preparedness for state small water systems and domestic wells within the county's jurisdiction
 - Membership: January 1, 2022
- Develop a drought and water shortage plan
 - Stand alone or integrated as part(s) of existing county plan:
 - Local Hazard Mitigation Plan,
 - General Plan, or
 - other

A close-up photograph of a large sunflower in the foreground, with several other sunflowers in the background. The image is slightly blurred and has a dark, semi-transparent overlay. The text is centered over the sunflower.

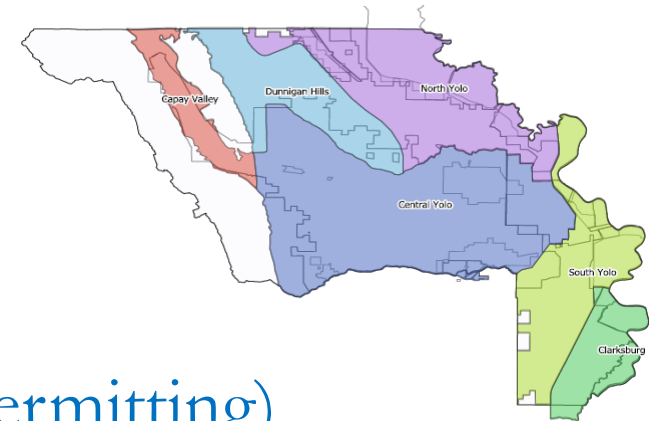
WRA TC Ad Hoc Drought Task Force

A background image of a field of sunflowers. The sunflowers are bright yellow with dark brown centers. The image is slightly blurred, giving it a soft, natural feel. The text is overlaid on the center of the image.

YSGA Drought Contingency Planning Committee

Ad Hoc Drought Contingency Planning Committee

- Advise YSGA Directors concerning
 - Local planning strategies
 - Appropriate management actions for drought conditions
 - Coordination with Yolo County Supervisors for management of groundwater resources during drought
- Identify available resources to mitigate drought impacts
- Implement sustainability projects
- Investigate whether restrictive measures are necessary
- Implement Governor's E.O. N-7-22 Paragraph 9 (Well Permitting)



A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image is slightly blurred and has a dark, semi-transparent overlay.

GSP Implementation Update

PROJECTS AND MANAGEMENT ACTIONS

- The goals of the projects and management actions are to:
 - **Ensure** the subbasin remains sustainable over the next 50 years
 - **Keep** water levels at the measurable objective in the long term
 - **Prevent** the exceedance of minimum thresholds
 - **Prevent** undesirable results
- **12** Proposed & Ongoing Management Actions
- **75** Proposed & Ongoing Projects

A field of sunflowers is shown with a semi-transparent dark overlay. The sunflowers are in various stages of bloom, with bright yellow petals and dark brown centers. The background is a soft, out-of-focus landscape.

Summary of Projects Received during Project Solicitation

Number	Name	Project Proponent in GSP	Submitted By?	Management Area	Management Action/Project Number	Estimated Project Cost	Estimated Grant Request
1	China Slough Rehabilitation Project	Yolo County Flood Control and Water Conservation District	Jenny Scheer, Water and Land Solutions	North Yolo, Central Yolo	P13 Zamora area winter recharge from Cache Creek via China Slough P29 West Adams Canal Renovation and China Slough Rehabilitation	\$717,250	\$717,250
2	Dunnigan Area Recharge Program (formerly Buckeye Creek Recharge)	Yolo County Flood Control and Water Conservation District Dunnigan Water District Reclamation District 108 Yolo Subbasin Groundwater Agency	William Vanderwaal, Manager - Dunnigan Water District and Deputy Manager - RD 108	North Yolo	P15 Winter Diversions from Tehama-Colusa Canal P16 Bird Creek surface water storage P17 Bird Creek, Oat Creek, Buckeye Creek, 2047 Canal groundwater recharge infrastructure improvements P18 Hardwood Subdivision Recharge P19 Schaad Ranch/Buckeye Creek Recharge P20 Trickle flow to ephemeral streams P21 Extension of Tehama-Colusa Canal P22 Conjunctive Use/Groundwater recharge/surface water delivery extension to the area around Zamora	\$279,000	\$279,000
3	Groundwater Model Enhancements	Yolo Subbasin Groundwater Agency	Sarah Leicht, Yolo Subbasin Groundwater Agency	Yolo Subbasin	P2 Groundwater Model Enhancement Program/YSGA Model Improvement P64 Incorporate of Capay IGSM into the YSGA Model P66 Revisions to the YSGA Model for Urban Groundwater Usage in South Yolo Management Area	\$230,735.64	\$230,735.64
4	Integrated Overview of a Set of Nature-Based Projects for the Capay Valley Management Area	Capay Valley Regeneration/Capay Valley Vision Cache Creek Conservancy	Mica Bennett	Capay Valley	retention, and improved watershed health in the Capay Valley P57 Enhanced water infiltration via grazing management and crop production practices in the Capay Valley P58 Oak woodland, riparian, and chaparral restoration in the Capay Valley P59 Establish and equipment and knowledge hub in the Capay Valley	\$1,456,000	\$1,456,000
5	Woodland ASR Well 31 Project	City of Woodland	Matt Cohen, City of Woodland	Central Yolo	P42 City of Woodland - Well 31 ASR Project	\$6,681,000	\$1,124,000
6	Woodland Recycled Water Project Phase III Expansion	City of Woodland	Matt Cohen, City of Woodland	Central Yolo	P45 Woodland Recycled Water Utility Expansion Project (Phase III)	\$1,379,300	\$1,379,300
7	Yolo County Flood Control and Water Conservation District Winter Water Recharge Program	Yolo County Flood Control and Water Conservation District Yolo Subbasin Groundwater Agency	Kristin Sicke, YCFC&WCD	Yolo Subbasin, Central Yolo	MA4 Preparedness through increased groundwater recharge and managed aquifer recharge projects MA5 Conjunctive water use program P47 YCFCWCD Winter Recharge	\$2,000,000	\$2,000,000
8	Hungry Hollow Area: Water Budget Evaluation and Pilot Projects	Yolo County Flood Control and Water Conservation District Yolo Subbasin Groundwater Agency	Annie Main/Fritz Durst (HUH Landowners) and Kristin Sicke, YCFC&WCD	Dunnigan Hills	P2 Groundwater Model Enhancement Program/YSGA Model Improvements P14 Dunnigan Hills Winter Runoff Capture for Recharge P71 Projects to improve understanding of surface water/groundwater interaction around Oat Creek and Buckeye Creek/others in Dunnigan/North Yolo Areas P72 Additional groundwater monitoring wells in the Dunnigan Hills Management Area P77 Cover cropping, rangeland improvements, and other agricultural practices to improve groundwater	\$592,250	\$592,250
9	GPS Subsidence Surveys	Yolo Subbasin Groundwater Agency	Sarah Leicht, Yolo Subbasin Groundwater Agency	Yolo Subbasin, Capay Valley	MA3 Subsidence Monitoring Program P63 Improve subsidence data collection and analysis in the Capay Valley management area	\$187,123.40	\$187,123.40
10	Oat Creek/Zamora Groundwater Recharge Pilot Project	Dunnigan Water District RD 108 Yolo Subbasin Groundwater Agency	William Vanderwaal, Manager - Dunnigan Water District and Deputy Manager - RD 108	North Yolo, Dunnigan Hills	P17 Bird Creek, Oat Creek, Buckeye Creek, 2057 Canal groundwater recharge infrastructure improvements P71 Projects to improve understanding of surface water/groundwater interaction around Oat Creek and Buckeye Creek/others in Dunnigan/North Yolo areas	\$375,000	\$375,000
11	Winters Waste Water Treatment Facility	City of Winters	Kathleen Tropa, City of Winters	Central Yolo	P48 City of Winters Recycled Water Utilization	\$300,000	\$200,000
12	Water Resources Information Database	Yolo Subbasin Groundwater Agency	Sarah Leicht, Yolo Subbasin Groundwater Agency	Yolo Subbasin	P3 Water Resources Information Database Project	\$258,000	\$258,000
13	East Adams and Acacia Canal Improvements for Groundwater Recharge Feasibility Study for the	Yolo County Flood Control and Water Conservation District	Kristin Sicke, YCFC&WCD	Central Yolo	P29 West Adams Canal Renovation and China Slough Rehabilitation	\$511,000	\$511,000
14	Development of Surface Water Supply Source for the City of Winters	City of Winters	Kathleen Tropa, City of Winters	Central Yolo	P48 City of Winters Recycled Water Utilization	\$380,000	\$380,000
						\$15,346,659	\$9,689,659

A background image of a field of sunflowers. The sunflowers are yellow with dark brown centers, and the leaves are green. The image is slightly blurred, giving it a soft, artistic feel. The text is overlaid on the center of the image.

Prioritization Process and Review of *Draft* Prioritization Criteria

Proposed Process

August 3, 2022: Working Group Meeting to request feedback and secure approval of the project information form, the budget template, the project solicitation process flyer, and the proposed process for prioritizing projects

August 8, 2022: YSGA releases the request to submit projects, including associated materials

August 24, 2022: Project information forms and associated materials due to YSGA

August 31, 2022: Working Group Meeting to review and approve draft prioritization criteria

Proposed Process

August 3, 2022: Working Group Meeting to request feedback and secure approval of the project information form, the budget template, the project solicitation process flyer, and the proposed process for prioritizing projects

August 8, 2022: YSGA releases the request to submit projects, including associated materials

August 24, 2022: Project information forms and associated materials due to YSGA

August 31, 2022: Working Group Meeting to review and approve draft prioritization criteria

August 24, 2022 to September 9, 2022: YSGA staff review project information forms and prioritize projects based on the approved prioritization criteria.

September 14, 2022: Working Group Meeting to review draft of prioritized projects for recommended approval to BOD

September 19, 2022: Board of Directors to consider additional new project submissions (not already in GSP) and to consider formal approval of priority projects

September/October 2022: YSGA develops detailed project descriptions for each priority project, as well as develops a grant strategy that matches each priority project with potential state and federal grant opportunities over the next three years.

November 2022 (anticipated): [YSGA submits Sustainable Groundwater Management implementation](#) grant application.

Draft Prioritization Criteria

-
- **Urgency**
 - **Included in Adopted Plans**
 - **SGMA Funding Preference**
 - **Addresses GSP Sustainability Indicators**
 - **Achieves/Maintains Sustainable Groundwater Management**
 - **Quantifiable/Measurable Benefits**
 - **Benefits DAC or Vulnerable/Underrepresented Community**
 - **Benefits the Subbasin**
 - **Co-Benefits**
 - **Positively Impacts SWSs, Private Shallow Domestic Wells, or Human Right to Water**
 - **Secure/Stable Funding for O&M**
 - **Technically & Economically Feasible**

Next Steps

- **Incorporate feedback on Project Prioritization Process**
- **September 14, 2022:** Working Group Meeting to review draft of prioritized projects for recommended approval to BOD
- **YSGA Board of Directors Meeting: September 19, 2022**
- **Grant application preparation**

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image is slightly blurred and has a dark, semi-transparent overlay.

SGMA Implementation Funding



Sustainable Groundwater Management Funding

- DWR is administering more than \$350M in Planning and Implementation funding including, but not limited to:
 - GSP update activities and filling data gaps
 - Outreach and engagement efforts
 - Project development, planning, and construction
- Round 1 Awards Announced May 2, 2022
 - ~\$150M for Award to the COD Basins (~\$7.6M per basin)
- Round 2 Opens Late 2022/Early 2023
 - ~\$200M for Award to all High/Medium Priority Basins
 - Traditional Competitive Process
- *More information on the [SGM Grant funding](#) on our website*



Self-Certification for Groundwater Recharge Project Eligibility, Executive Order N-7-22

Consistent with the March 28, 2022 Drought Executive Order N-7-22 Action 13, the California Department of Water Resources (DWR) developed this self-certification form to allow local agencies to submit their proposed recharge projects to DWR that the project is eligible for the CEQA suspension. After reviewing the information submitted via this self-certification form, DWR will review and may concur. A list of activities eligible for the CEQA suspension is maintained on DWR's website at: <https://water.ca.gov/Water-Basics/Drought>.

INSTRUCTIONS: Entities carrying out a proposed recharge project that may meet the objectives of Executive Order N-7-22 Action 13 should complete this self-certification form as soon as possible to initiate DWR's review and potential concurrence that the project is eligible for the CEQA suspension. Please submit one self-certification form for each individual project. For questions, please email SGMPS@water.ca.gov.

Excerpt from Executive Order N-7-22, Action 13:

With respect to recharge projects under either Flood-Managed Aquifer Recharge or the Department of Water Resources Sustainable Groundwater Management Grant Program occurring on open and working lands to replenish and store water in groundwater basins that will help mitigate groundwater conditions impacted by drought, for any (a) actions taken by state agencies, (b) actions taken by a local agency where the Department of Water Resources concurs that local action is required, and (c) permits necessary to carry out actions under (a) or (b), Public Resources Code, Division 13 (commencing with section 21000) and regulations adopted pursuant to that Division are hereby suspended to the extent necessary to address the impacts of the drought. The entities implementing these directives shall maintain on their websites a list of all activities or approvals for which these provisions are suspended.
<https://www.gov.ca.gov/wp-content/uploads/2022/03/March-2022-Drought-EO.pdf>

Next Steps to Prepare Grant Application

- **Additional details on project tasks, refinement of project budget and schedule**
- **QA/QC of project (components) to grant funding eligibility**
- **Self-certification of CEQA exemption**
- **Special YSGA Board meeting to approve grant application submission?**
- **YSGA Board approval process of future project solicitation process**

A field of sunflowers is shown with a semi-transparent dark overlay. The sunflowers are in various stages of bloom, with bright yellow petals and dark brown centers. The background is a soft, out-of-focus landscape with a blue sky and green foliage.

Discussion

WRA Dissolution &
Incorporation into the YSGA

WRA Dissolution and Incorporation into YSGA

REASONING

- Increase overall efficiency by eliminating overlapping meetings/activities
- Facilitate integration of SGMA-related groundwater management activities with broader water resource planning efforts within Yolo County

PROCESS

- Dissolution of WRA – adoption of resolution by WRA BOD
- Amendment of YSGA JPA to include the authority to
 - Coordinate the study and planning of water, drainage, and flood control activities in Yolo County
 - Coordinate implementation of the Yolo County-portion of the Westside IRWM Plan
 - Take a leadership role in updating the IRWMP every 10 years

WRA Dissolution and Incorporation into YSGA

- Draft JPA Amendment was reviewed by the YSGA's Ad Hoc Committee
- Consideration of approval of the JPA Amendment will occur at the September 19, 2022 WRA/YSGA Board of Directors Meetings
- Consideration of YSGA “name change” in the future

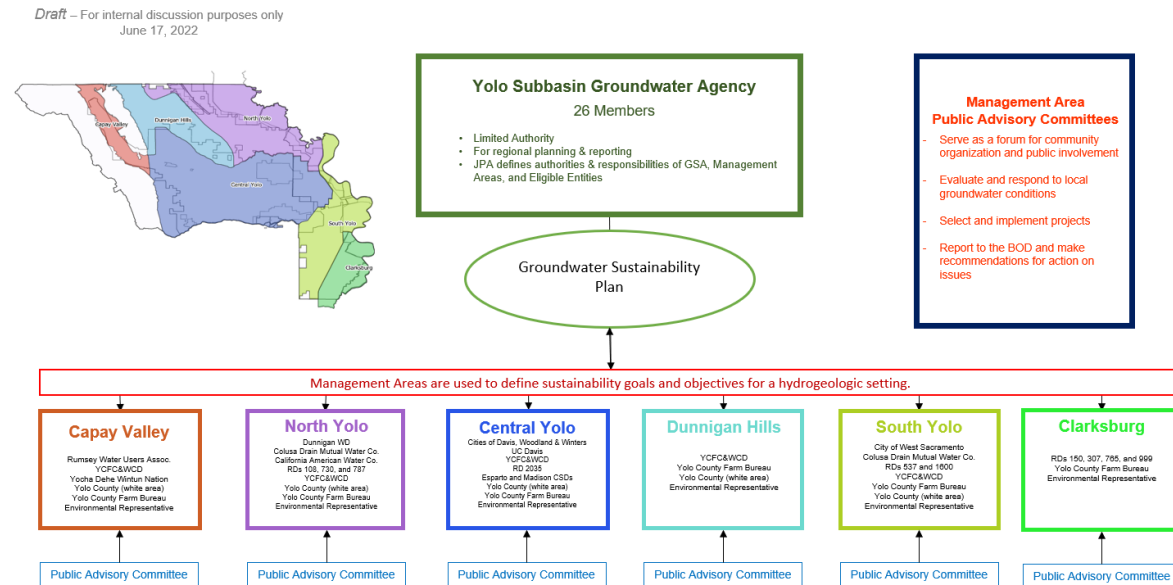
A field of sunflowers is shown with a semi-transparent dark overlay. The sunflowers are in various stages of bloom, with bright yellow petals and dark brown centers. The background is a clear blue sky.

Discussion

Management Area Advisory
Committee Framework

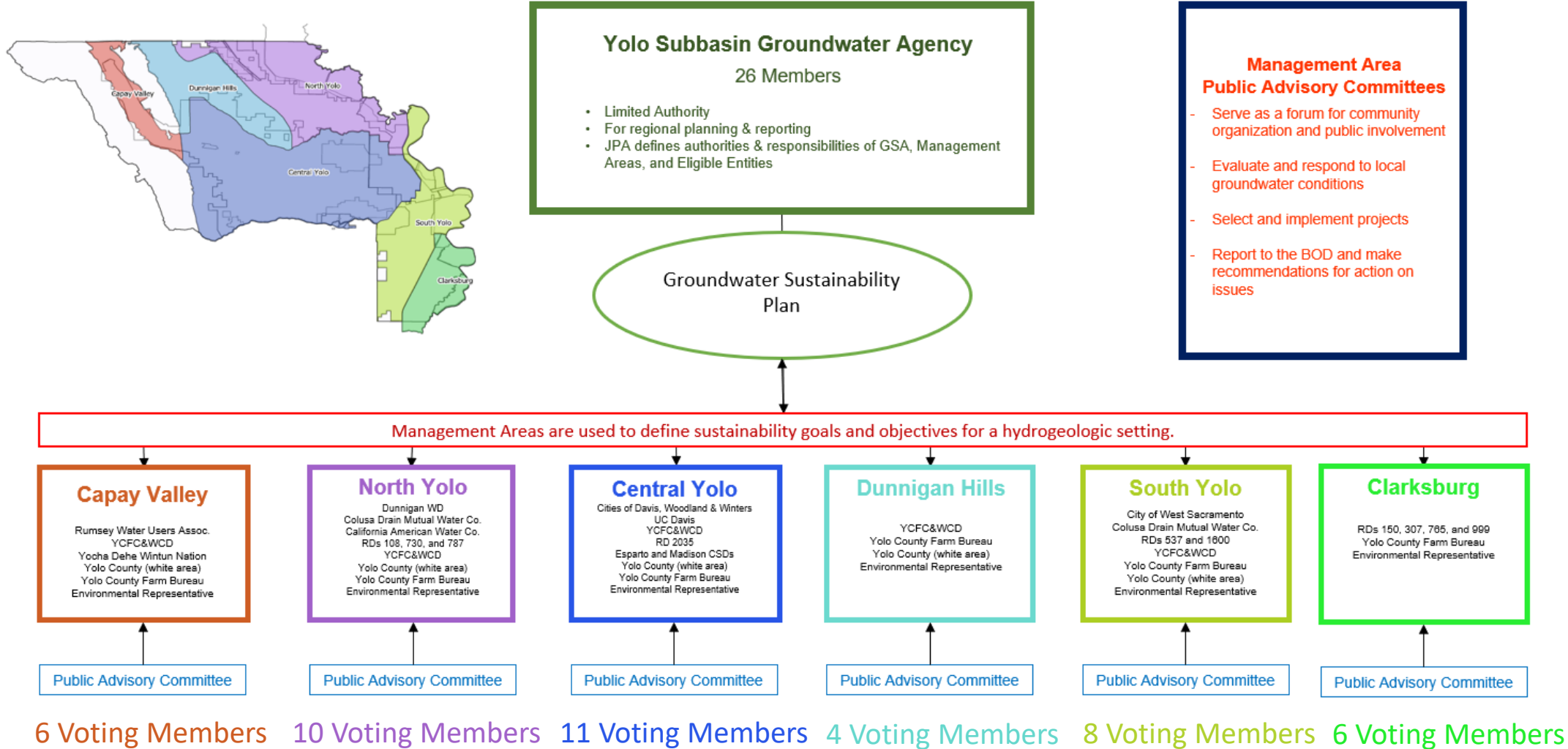
Establishing a Framework for Forming the Management Area Public Advisory Committees

- Proposal: MA PACs to serve as a forum for community organization and public involvement
- Roles and Responsibilities:
 - Evaluate and respond to local groundwater conditions
 - Select and implement projects (assessment process TBD)
 - Report to the YSGA BOD and make recommendations for actions related to groundwater conditions and ensuring sustainability



Initial Committee Membership Proposal: one voting seat per YSGA Member within boundary of, and impacting, specific MA

Draft – For internal discussion purposes only
June 17, 2022



Management Area Committees – Draft Outline

1. Roles and Responsibilities of Management Area Committees ([Article 8 of YSGA JPA](#))
 - a. Relationship to the YSGA Board of Directors, Working Group, Technical Advisory Committee, etc.
 - b. Forum for community organization and involvement
 - c. Evaluate and respond to local groundwater conditions – TAC professional opinion
 - i. Manage the area toward the measurable objective
 - ii. Response to local minimum threshold exceedances and other community concerns*
 - d. Select and implement projects
 - e. Areas of special concern?
2. Committee Membership
 - a. Equal representation of beneficial users
 - b. Annual selection by YSGA BOD/landowners in the Management Area?
 - c. Length of term/selection
3. Public involvement
4. Meeting logistics
 - a. How often will the committees meet?
 - b. One meeting with breakout rooms?

*Should evaluate local MT exceedances, but can also evaluate local effects that are not captured in MT and suggest change to monitoring network if needed

A background image of a sunflower field. The sunflowers are yellow with dark brown centers, and the leaves are green. The image is slightly blurred, giving it a soft, artistic feel. The text is overlaid on the center of the image.

Future Working Group Discussions

- Annexation of “Grey Areas”
- Role of Water Transfers

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image has a soft, slightly blurred quality and a muted color palette.

Wrap Up & Next Steps

A close-up photograph of a sunflower in a field. The sunflower is the central focus, with its bright yellow petals and dark brown center clearly visible. The background shows other sunflowers and green leaves, slightly out of focus. The word "Adjourn" is written in a clean, white, sans-serif font across the middle of the image, positioned over the sunflower's center. A thin white horizontal line is drawn below the text.

Adjourn