

Yolo Subbasin Groundwater Agency (YSGA) Working Group
1:00 p.m. to 3:00 p.m. via GoToMeeting Teleconference
September 10, 2020 Minutes

1.	<p>CALL TO ORDER and DETERMINATION OF QUORUM Kristin Sicke, Executive Officer, called the meeting to order at 1:00 p.m. Donna Gentile conducted a roll call and determined a quorum of member agencies were virtually in attendance (Roll Call attached).</p>
2.	<p>APPROVE AGENDA and ADDING ITEMS TO THE POSTED AGENDA – Kurt Balasek motioned to approve the agenda; the motion was seconded by Camille Kirk and passed unanimously.</p>
3.	<p>PUBLIC FORUM – There were no comments from the public.</p>
4.	<p>APPROVE MINUTES of May 6, 2020 YSGA Working Group (WG) meeting. Paulina Benner motioned to approve the minutes. The motion was seconded by Camille Kirk and passed unanimously.</p>
5.	<p>INFORMATIONAL ITEM – Report of the Executive Officer (Kristin Sicke): Kristin gave an overview of the Groundwater Sustainability Plan (GSP) work accomplished by technical staff for the YSGA. The technical team is comprised of YCFC&WCD staff, GEI, SEI and the YSGA Technical Advisory Committee (TAC). Kristin wants to allow the WG the opportunity to respond to the draft GSP components presented today. She reminded that the YSGA now has 25 member agencies since the consolidation of RD785 and RD827 into RD537. Five wells have been added to the real-time monitoring network. Max will give an update on the groundwater monitoring program later in today’s agenda. Kristin provided a table comparison of the historical depth to water levels of 16 wells in the YCFCWCD’s well monitoring system. Overall the levels are lower than last year at this time, but better than 2015 levels, which was a benchmark drought year. She gave an overview of the timeline for the GSP development schedule. This schedule does <i>not</i> include groundwater monitoring program work with DWR. A draft communications and engagement plan will be updated with information from the Management Area workshops as they are convened starting this fall. Everything is on track for submission of a final GSP by August 2021. The PowerPoint presentation for this entire meeting can be found here: https://www.yologroundwater.org/2020-09-10-working-group-meeting.</p>
6.	<p>GSP DEVELOPMENT: GROUNDWATER MONITORING (GW) PROGRAM UPDATE, Max Stevenson, YCFC&WCD, discussed groundwater monitoring as a foundational action from the 2007 Yolo County IRWMP. Groundwater has been monitored for decades in Yolo county with the support of the WRA’s ten original member agencies. Monitoring would continue with or without SGMA regulations in Yolo county. Max discussed two components of the monitoring program: the Water Resources Information Database (WRID) and the State Well Number (SWN). The WRID (wrid.facilitiesmap.com) has all the well data that has been collected for more than 20 years. Max reviewed some of the data contained in the WRID such as boron levels from Cache Creek groundwater and surface water starting from the 1930s and water quality data from Cache Creek starting from the 1990s. The WRID is managed locally and local agencies input this data annually. The WRID is primarily used by engineers and other technical professionals for historical analysis. Max gave a detailed review of the various types of data found in the WRID. Agencies interest in accessing or contributing data to the WRID should contact Max. If someone from the public wants to see groundwater level data, they can go to:</p>

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	<p>https://www.yologroundwater.org/groundwater-data-map. Max gave an overview of the State Well Number (SWN) system and how each well is identified as mandated by the State of California. Future SGMA work will build on this pre-existing database.</p> <p>Kristin asked Max to give an update on the land elevation survey efforts currently underway. Max explained that these land surveys measure elevation data for the wells. Many of these wells are very old and their estimated elevation is based on 1927 topographic data. As they re-survey these older wells with current technology, they are finding that current measured ground-to-surface elevation levels are 10 to 15 feet different from the data recorded in the database. An accurate elevation is critical for calculating pollutant plumes and recharge direction. Jim Frame, Frame Surveying & Co., is re-surveying all the wells in the network and has completed about 160 well so far. The remaining 30-40 representative wells should be re-surveyed by the end of the year. Gaining access permission to the wells is delayed due to landowner identification. Matt Cohen asked Max if the elevation levels from previous surveys were different because of subsidence or past measuring inaccuracies. Max replied it was due to measuring inaccuracies and different coordinate datum. In the Davis/Woodland area some elevations were different by 2-3 inches, but as they moved farther west, the difference was 4-5 feet. Since the original datum used was not recorded, the information needs to be verified. Subsidence could be a factor upon further analysis.</p> <p>Kristin also informed that we are waiting for a response from DWR about an application submitted under the YSGA's Technical Services Support (TSS) agreement to install 3 additional monitoring wells. The monitoring network is an important focal point of our GSP, because it demonstrates the empirical data to support that the Yolo subbasin has historically been sustainable and that we will continue to be sustainable in the future.</p>
7.	<p>GSP DEVELOPMENT: TECHNICAL ADVISORY COMMITTEE (TAC) ON SUSTAINABLE MANAGEMENT CRITERIA DEVELOPMENT, GSP Technical Team and TAC</p> <p>Satya Gala and Larry Rodriguez, GEI Consultants, gave a summary of all the technical work accomplished to-date that was also recently provided to the TAC for review. GEI's analysis was revised based on the TAC's feedback. The PowerPoint presentation for this meeting can be found here: https://www.yologroundwater.org/2020-09-10-working-group-meeting for more details of all the areas discussed.</p>
	<p>Today's presentation will focus on the Sustainable Management Criteria (SMC). Satya reviewed SGMA's definition of sustainability and how they expanded that definition for the Yolo subbasin based on the Groundwater Management Plans of several Yolo entities. He discussed each of the SMC as it related to groundwater elevations and storage. The SMC are sustainability goal, undesirable results, minimum thresholds, measurable objectives and the monitoring network. He expanded on each of the SMC in more technical detail. He explained their methodology for selecting a subset of SGMA representative monitoring wells and how they identified the data gaps.</p> <p>Larry reviewed the water quality indicators that we need to be considering for SGMA. He reviewed what undesirable conditions we want to avoid that could potentially degrade water quality. They considered the interaction between water levels and water quality as a potential sustainability indicator. They are currently working on this area and will continue to refine</p>

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	<p>water quality undesirable results with information obtained from the upcoming workshops with all the management areas. A list of constituents of concern was developed. Larry discussed the need to set minimum thresholds and measurable objectives for these constituents and the possible triggers for determination of undesirable results and identifying mitigation actions for water quality exceedances. He reviewed the current constituent list: salinity, nitrate, boron, arsenic, chromium, manganese, and selenium.</p> <p>As the Management Area workshops are convened, they will incorporate any additional local information into their analysis. WG members commented and asked questions throughout the presentation.</p> <ol style="list-style-type: none"> a. Method for establishing the Minimum Threshold and Measureable Objectives <ul style="list-style-type: none"> • Groundwater Storage, Levels, Quality b. Process for Selecting Representative Wells c. Future TAC Meeting Analyses <ul style="list-style-type: none"> • Next Steps include: <ul style="list-style-type: none"> ▪ Land Subsidence ▪ Groundwater - Surface Water Interaction ▪ Seawater Intrusion ▪ Water Budget - Historical and Future Scenarios ▪ Project and Management Actions
<p>8.</p>	<p>GSP DEVELOPMENT: SCHEDULING MANAGEMENT AREA WORKSHOPS and DRAFT CHAPTERS of the GSP, Kristin Sicke, Executive Officer</p> <ol style="list-style-type: none"> a. <i>Scheduling Management Areas Workshops</i> – Kristin will be sending out a Doodle poll to each of the Management Area (MA) participants to identify viable meeting dates. Ideally, we would like to start MA workshops the week of September 28th and proceed through all six MAs through the end of October. The first round of meetings will focus on Minimum Thresholds and Measurable Objectives and assessing individual representative wells. A second round of meetings will be planned for December/January as needed. b. <i>Schedule for Posting Draft Chapters of the GSP</i> – Kristin reviewed the schedule for TAC/Working Group review of GSP draft chapters in mid-October (refer to GSP Development Schedule slide in meeting PowerPoint presentation).
<p>9.</p>	<p>YSGA BOARD OF DIRECTORS’ MEETING: SEPTEMBER 21, 2020, Executive Officer, Kristin, reviewed the following items planned for the September Board meeting.</p> <ol style="list-style-type: none"> a. Administrative Items – normal administrative and consent items b. Establish an Ad-hoc Committee for Reconsideration of Voting Structure and Expense Allocation c. GSP Development Update: TAC’s analysis of Sustainable Management Criteria
<p>10.</p>	<p>FUTURE WORKING GROUP DISCUSSIONS – Executive Officer</p> <ol style="list-style-type: none"> a. Annexation of White Areas b. White Paper on Areas of Special Concern c. Role of Water Transfers
<p>11.</p>	<p>WRAP UP and NEXT STEPS: Kristin informed that she and Max have begun the hiring process for a new person(s) to assist the YSGA with the well monitoring program and various administrative tasks. Interviews are</p>

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	scheduled this week. They received over 150 applications! a. <u>Next Meeting</u> : December 2, 2020 at 1 p.m. (dependant on MA workshop schedule and progress with TAC).
12.	ADJOURN: Meeting adjourned at 3:00 pm

Respectfully submitted,

Donna L. Gentile
Board Secretary & Administrative Coordinator