

AGENDA

North and South Yuba Subbasins - Groundwater Sustainability Committee (GSC)

Wednesday, March 29, 2023, 9 – 10:30 AM

Web Conference/Call:

<https://us06web.zoom.us/j/81110067999?pwd=SGZ0ZVRta09pNkJPZGZnSHZNSDRaQT09>

AGENDA ITEMS:

1. Agenda Overview:
2. Attendees: JoAnna Lessard, Jim Blanke, Natalie Cochran, Charles Johnck, Charley Mathews, Dane Schilling, Becky Hunt, Carly Ellis, Christina Hanson, Jim Schaad, Kaitlyn Chow, Kelly McNally, Matti Siltanen, Oscar Marin, Robert Pontureri, Ryan McNally, Matt Brady, John Stone, Ed (?), LapTop, and phone user, Aaron Zettler-Man (24 Participants)
3. SGMA Announcements
 - a. DWR updates (Matti Siltanen):
 - Reminder about small community drought funding, must benefit small communities less than 3000 connections or less than 3000 AF/yr and included in Governor's drought proclamation; Due Dec 29th 2023
 - SB552 assistance is County Drought Planning Assistance, \$125,000 in technical assistance for development of a drought plan as per SB552 (see links in the slides)
 - Dry well water tank program with Cal OES, DGS and Water Board; 2,500 gal tanks are pre-purchased by DWR and the tanks can be delivered to residences for basic health and sanitation needs
 - Exec. Order N-4-23 Streamlining Recharge with flood waters; provides temporary rules and lifts regulations for diverting flood waters without permits in some conditions; see links and fact sheet
 - Save the Date for April 19th 2023 GSA forum meeting; registration required; will discuss GSP implementation
 - DWR released 2023 multi-cropping dataset; access at CA DWR Landuse Viewer and can be downloaded
 - DWR released new GSP determinations and approved additional GSPs
4. Public Announcements
 - a. none
5. GSP Annual Report Development
 - a. Required each year
 - b. Will be submitting at the end of the week for Water Year 2022, Due April 1
 - c. Will include all required elements as per SMGA requirements for a GSP annual report
 - d. Sustainable Management Criteria review—these are metrics we track and report on annually
 - e. Yuba Subbasins are in sustainability for SGMA metrics (MO, LML and MT)
 - f. Seasonal changes in GW depth are from GW pumping during irrigation season
 - g. GW storage decreased by 7000 AF in North and 10,000 AF in South subbasin; but trends are stable
 - h. Water use reporting showed 66,000 AF extracted in North and 107,000 AF in South; similar to 5-yr averages and less than the sustainable yield estimates for each subbasin
 - i. DWR discontinued Sac Valley survey program for subsidence; we will evaluate in our 5-yr GSP update but InSAR data shows no subsidence in the Yuba Subbasins
 - j. Report will be finalized and sent to DWR by April 1, 2023 and it will be available on

DWR's SGMA portal and Yuba Water's GW page

k. Questions? None

6. Water Conditions Update

a. Groundwater Conditions Update: (Carly Ellis): 24 in of precipitation so far this year (more than average); quick overview of the hydrographs and the data we will go over for select monitoring wells showing long and short term trends from use, SW delivery, seasonal differences and water year variation:

b. D10

- YCWA-04 Blue 3/15/23 +2' from February, +7' from last year
- YCWA-03 Red 3/15/23 +2' from February, +8' from last year
- 16N03E01P002M Purple 3/15/23 +1' from February, +4' from last year

c. North Yuba

- YCWA-05 Blue 3/15/23 +2' from February, +4' from last year
- YCWA-06 Green 3/15/23 +2' from February, +5' from last year
- YCWA-16 Purple 3/14/23 +1' from February, -2' from last year

d. South Yuba

- PMW-21 Blue 3/14/23 0' from February, -1' from last year
- PMW-05 Red 3/15/23 +1' from February, -1' from last year
- Zone 8 Blue 3/15/23 0' from February, +3' from last year
- Northern Zone 9 Red 3/20/23 -5' from December, -9' from last year
- Zone 9/11 Green 3/15/23 -3' from February, +1' from last year
- PMW-30A Blue 3/14/23 +1' from February, +3' from last year
- PMW-30B Red 3/14/23 +2' from February, +2' from last year
- PMW-30C Green 3/14/23 +2' from February, +3' from last year

Low GW levels are due to use patterns across the basins

Questions? None

e. Hydrologic Conditions Update: Charles Johnck; update on surface water

- Precipitation at Colgate is 136% of normal (46.2 inches), but below the wettest year on record which was 1982; December 2022 was the wettest month; March 2023 is 144% of average
- Snow-water content at Gold Lake is 176% of median and 174% of average (64 inches of snow water content)—only 3 years were higher than this site at this time on record
- Storms have impacted our ability to do the planned snow surveys, so only have completed one so far and are using modeling to estimate the rest of the season so far; model estimates that the total Snow Water Equiv. is 1416.6 total AF so far
- New Bullards Bar inflows to date are 816,800 AF (127% of average)—well below the wettest year 2017—due to the cold storms we have had keeping most of the precip in the mountains as snow
- NBB storage 117% of average at 806,613 AF and maintaining required flood space
- CA drought conditions have changed a lot from this wet season but Yuba County is still considered in a Moderate Drought state, but probably will change by the end of the WY
- Forecast for Apr-June 2023 is still showing equal chances for dry or wet months for most of CA
- Questions? None

7. Groundwater Substitution Transfer Program Update

a. Yuba Accord: Ryan McNally

- Working toward extending the expiration date of the Accord Water Transfer Program; need to evaluate stream depletion factors for the extension
- No other updates at this time
- Questions? Jim Blanke asks if we know what the transfers will be this year? As this is a record season we probably won't have a GW substitution transfer this year due to the market and it's a good year for excess water to be allowed to recharge

b. Plumas Mutual Water

- Email update, PMW is not planning a transfer this year but is piloting a recharge project this year to see how feasible that is for GW benefits in excess years

8. Grant Updates: Charles Johnck & Jim Blanke

a. Agroclimate Station (CJ):

- Installed a new weather station in the south County area near 40 Mile Rd; built to replace another station that was discontinued, will calculate reference evapotranspiration, temperature, humidity, precipitation, solar radiation and wind speed in that area; not online yet but we are collecting data already; will support water budgeting and the GW model and local ag water planning; should be available to the public in the next month or so

b. Storymap (CJ):

- New data portal and outreach tool for the public on SGMA, groundwater, our GSP and the data we are collecting across both subbasins; these are available now on Yuba Water's website

c. Aquifer Tests (JB):

- Monitoring wells during known pumping rates to understand the system & inform models
- Performed 2 tests
 - Loma Rica Rd & Trainer Hill transmissivity = 10,700 – 30,200 sqft/day
 - Dairy Rd & Forty Mile Rd transmissivity = 9,700 – 23,100 sqft/day
- Both resulting in storage coefficients typical of confined aquifers and consistent w/ previous tests & model assumptions
- Minor revisions of aquifer parameters likely in next model update

d. GSP Water Quality (JB):

- Groundwater quality sampling events performed Aug 2021 & July/Aug 2022, tested for 14 constituents in 55 monitoring wells
- Spatial analysis done to determine which of those wells to continue monitoring in future for accurate representation – individually remove results from each well and statistically compare spatial results for remaining 54 wells, repeat until results left us with 25 statistically important wells
 - 7 shallow, 14 intermediate, 4 deep

e. SGM Grant Program, Round 2 (JB):

- Applications closed in December 2022 for projects that can be completed by Apr 30, 2026
- We submitted application for North + South Subbasins totaling ~\$9 million
- Draft awards anticipated ~June 2023
- Project List Applied for Includes
 - Monitoring well installation –
 - Marysville
 - Earle/Ostrom Rd area, potentially at the E end of Earle
 - East end of N Beale Rd

- Cordua and Hallwood infrastructure work – Automation to provide conservation benefits
- Complete stream gaging and depletions field work started during the current grant
- Video older wells to document well construction
- Direct Recharge Study – AgASR (direct injection), dry wells, recharge basin feasibility, and pilot project
- Model refinements – Daily model, incorporation of AEM data, CALSIM linkage
- Five-year GSP evaluation and annual reports
- Call for more projects folks might be interested in

9. Next Meeting: June 14, 2023 9:00-11:00 AM

Date	Location (all 9:00-11:00 AM)
6/14/2023	Marysville/Wheatland Rms or Web Meeting
9/20/2023	Marysville/Wheatland Rms or Web Meeting