

Groundwater in the Solano Subbasin

If you live or work in Solano or Sacramento County, you may depend on groundwater from the Solano Subbasin. Local groundwater management plans are currently in development. Now is the time to provide input to the local plans!

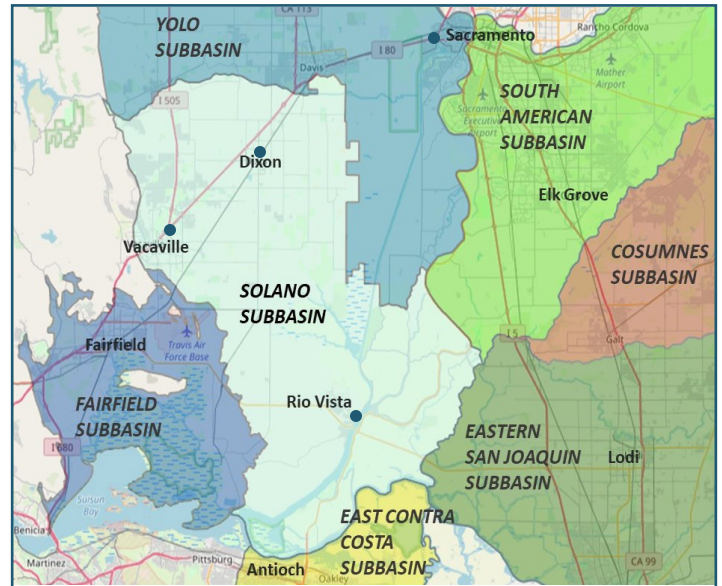
Where and What is Solano Subbasin?

The Solano Subbasin is a small part of the very large Sacramento and San Joaquin Valley groundwater basin. This large basin was divided into smaller subbasins to help capture local conditions and variations.

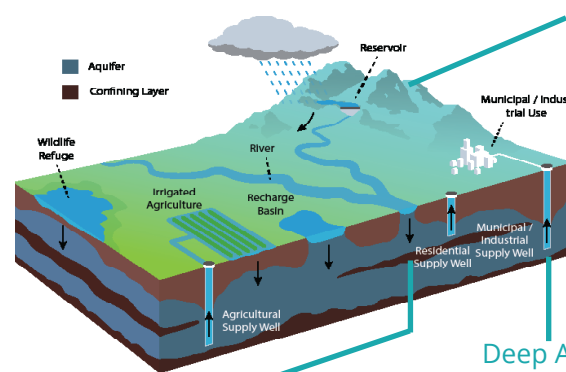
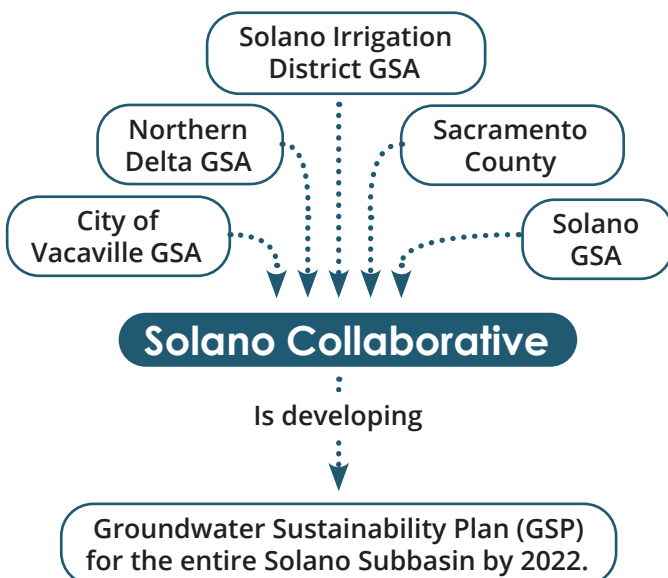
The California Department of Water Resources (DWR) determined that the Solano Subbasin is subject to the Sustainable Groundwater Management Act. This is primarily due to the amount of irrigated farm land, the density of wells, the increase in perennial crops that require more water, and anticipated population growth that will increase the demand on local groundwater resources.

Who Is Managing Our Groundwater?

Four **Groundwater Sustainability Agencies (GSAs)** formed separately in 2017 to govern and manage groundwater resources in different portions of the subbasin. In 2018, these four agencies and Sacramento County came together as the **"Solano Collaborative"** to jointly develop one **Groundwater Sustainability Plan (GSP)** for the entire Subbasin.



Map of Solano subbasin and neighboring subbasins



Recharge
The Solano subbasin is replenished through snow melt and seasonal rainfalls that seep through the ground each year.

Shallow Aquifer

The shallow aquifer, referred to as the Alluvium aquifer, is used primarily by private well owners, agricultural pumps, and small community water systems (e.g. schools, mobile home parks, etc.). Many aspects influence water levels in shallow domestic wells, including well construction, local geology, groundwater pumping rates, how deep nearby wells are pumping from, and the distance of wells from surface water sources (e.g., canals, streams).

Deep Aquifer

The deeper aquifer, referred to as the Tehama Formation, provides most of the municipal water supply in the basin, including the City of Dixon, City of Vacaville, Rural North Vacaville Water District, and Solano Irrigation District. Some agricultural wells are also dependent on the deeper aquifer.

Groundwater in the Solano Subbasin

Why Should I Get Involved?

Over the next two years, you will have opportunities to provide input to **ensure that your interests are considered** in the local Groundwater Sustainability Plan. This plan will guide groundwater management in your subbasin for **generations to come**. Support your GSA by:

- ▶ Sharing how groundwater challenges affect you or your communities
- ▶ Supporting the development of sustainability indicators in the Groundwater Sustainability Plan
- ▶ Identifying projects that may improve groundwater conditions in your community

Upcoming Events and Opportunities to Engage

***All events will be virtual**

Public engagement will take place during the rest of 2020 and throughout 2021. As more details become available surrounding events next year, they will become available on solanogsp.com. Opportunities for engagement will include the following:

2020

Engagement opportunities taking place this year are shown to the right.

Community Advisory Committee	This committee is made up of diverse stakeholders represent the diverse groundwater users throughout the subbasin and provide recommendations to the Solano Collaborative. If you or anyone you know feels they would be a good candidate for the committee please email info@aginnovations.org
Virtual Town Halls (October 15, 2020)	Town halls offer an opportunity to learn about SGMA and groundwater so that you can be involved in plan development.
Focus Groups (Fall 2020)	These discussions are smaller, more focused, and tailored to specific to stakeholder groups (e.g. small farmers, well owners, etc.)
Public Input Sessions (Fall 2020- Spring 2021)	These sessions are focused on gathering community insight on GSP-related topics. You can help guide the development of the local GSP by providing local information about your groundwater use (e.g. well construction) and by representing your interests as a local groundwater user.

2021

Additional public input sessions will be scheduled and the Solano Collaborative will release draft sections of the GSP for public comment.

January 31st, 2022

Groundwater Sustainability Plan is submitted to the California Department of Water Resources for review.

Learn More

- ▶ About your local Groundwater Sustainability Agency here! bit.ly/id-gsa
- ▶ About your local water supply here! bit.ly/30ILVUh
- ▶ About groundwater and SGMA in the Solano Subbasin here! groundwaterguide.com

Here's how

- ▶ Sign up for email updates solanogsp.com
- ▶ Complete a survey about your groundwater uses and interests surveymonkey.com/r/ZRSRKFY
- ▶ Attend public meetings
- ▶ Comment on Groundwater Sustainability Plan Section Drafts solanogsp.com/gsp-draft-sections/



Funding for this project has been provided in full or in part from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 and through an agreement with the State Department of Water Resources.