



Castac Basin Groundwater Sustainability Agency Sustainable Groundwater Management Act Stakeholder Workshop #3

Topic: Groundwater Sustainability Plan Update for the Castac Lake Valley Basin
When: Tuesday, May 26th, 2020 @ 1:00 pm – 3:00 pm
Where: Online-only due to COVID-19 Shelter-In-Place restrictions
Join at: <https://www.zoom.us/join>
Meeting ID: 923 9224 1139
Password: 837367

You are invited by the Castac Basin Groundwater Sustainability Agency (GSA) to attend a public workshop on Tuesday May 26th from 1:00 - 3:00 p.m. to discuss implementation of the Sustainable Groundwater Management Act (SGMA) in the Castac Lake Valley Groundwater Basin.

The GSA will provide an update on the status of the Castac Basin Groundwater Sustainability Plan (GSP). This workshop will include a presentation on the projected future Basin water budget, the proposed groundwater monitoring well network, final Sustainable Management Criteria (SMCs), possible future water-supply enhancement or demand-reduction projects and management actions, and other aspects of implementation of the GSP going forward. More information can be found at <https://www.castacgsa.org/>.

If you are planning to attend this workshop, please RSVP to Jessica Carroll at (661) 248-6472 or lebecwater@att.net by Friday, May 22th for information on how to join the meeting.

The Six SGMA "Sustainability Indicators"

1. Chronic Lowering of Groundwater Levels
2. Reduction of Groundwater Storage
3. Seawater Intrusion
4. Degraded Water Quality

GSP Implementation Plan Actions

- Monitoring and Data Collection**
 - Sustainability Indicator monitoring (water level measurements and water quality sampling)
 - Collection of other required information (groundwater pumping and surface water deliveries, as applicable)
- Data Gap Filling**
 - Groundwater level monitoring at upgradient Basin boundary, including monitoring well installation
 - Outreach to domestic and public supply well owners
- Reporting**
 - Annual Reports due April 31st each year following GSP adoption
 - Periodic evaluation of the GSP (5-Year Update)
- Stakeholder Outreach**
 - Semi-annual GSA Board Meetings
 - Website maintenance
- Implementation of Projects**

Numerical Groundwater Flow Model Development

- MODFLOW-NWT model software from U.S. Geological Survey
- 3-D model set up with locally-specific dimensions and parameters to represent the Castac Basin, as shown in this map
- **Model has a 3-D Structure**
- Two transient modeled periods:
 - ✓ 20-year **historical** period (Water Years 1999-2018)
 - ✓ 50-year **projected** period (Water Years 2019-2068)

