

## June Science Report

### Burton Well Report

- The rough draft has been finalized and sent out for review

### Groundwater Modeling

- Bratwurst meeting
  - o SWRI and Meadows Center are currently working on the project timeline and cost
- Edwards and Trinity Regional GAM Stakeholders Meeting
  - o Goals:
    - Update Modflow code
    - Intraformational flow
    - More aim on the modeling of surface water and groundwater interactions
  - o Modeling Schedule:
    - Start: January 2020
    - Conceptual Model Report: November 2021
    - Numerical Model Draft: December 2022
    - Completion: February 2023
  - o Introduction to new TWDB Springs program for measuring flow and water quality of springs
- Modflow and HSPF background research
  - o Practice using Modflow, HSPF, and Flopy
  - o Background literature on modeling of surface water and groundwater interactions

### Permits

- Working with geologist on developing aquifer test and well construction details

### Science Meetings

- BEG Tech Talk
  - o Brian Hunt: Contrasting the Modeling Trinity Aquifer in Hays and Southwest Travis County: Same Aquifer, but Different Source of Water?
- USGS groundwater/surface water interaction
  - o Scott Ikard (USGS) and Brian Hunt (BSEACD): Geophysical pilot-study of groundwater/surface water exchanges between the Colorado and Trinity Aquifer