

Texas Water Development Board (TWDB)

Brackish Resources Aquifer Characterization System (BRACS)

Hill Country Trinity Aquifer

What is brackish groundwater?

- Generally, saltier than fresh water, less saline than seawater
- Quantitatively, between 1,000 and 35,000 milligrams per liter total dissolved solids

What is the BRACS program?

- Created in 2009 to study brackish aquifers in Texas
- In 2015 the 85th Texas Legislature passed House Bill 30 which directed the TWDB to map all of the brackish portions of major and minor aquifers in Texas by December 2022

How does BRACS complete these studies?

- We collect publicly available data
- We solicit, consider, and incorporate stakeholder input
- We analyze the data to estimate groundwater volumes
- We produce reports, maps, and publicly available datasets to advance the science

What aquifers or portions of aquifers have been investigated by the BRACS group and its contractors?

- Blaine Aquifer
- Carrizo-Wilcox Aquifer
- Gulf Coast Aquifer
- Pecos Valley Aquifer
- Queen City-Sparta Aquifer
- Rustler Aquifer
- Northern Trinity Aquifer
- Blossom Aquifer
- Nacatoch Aquifer
- Lipan Aquifer

The BRACS group has started data mining and reviewing literature to map the brackish groundwater resources in the Hill Country Trinity Aquifer. As a part of this process, the BRACS team will be contacting groundwater conservation districts and other potential stakeholders. The BRACS team is generally interested in the following types of data of an aquifer:

- Water quality measurements (especially from deep and/or saline wells)
- Studies or reports
- Cross-sections
- Publicly available geophysical well logs
- Aquifer pump tests and properties like well yield

If you would like to be contacted as a stakeholder or receive study updates, please contact a member of the BRACS group or sign-up on our sign in sheet.

If you have further interest in the BRACS program or the type of work we perform, you may visit our website:
<http://www.twdb.texas.gov/innovativewater/bracs/>

If you would like to contact someone from the BRACS group:
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Hill Country Trinity Study Outline

