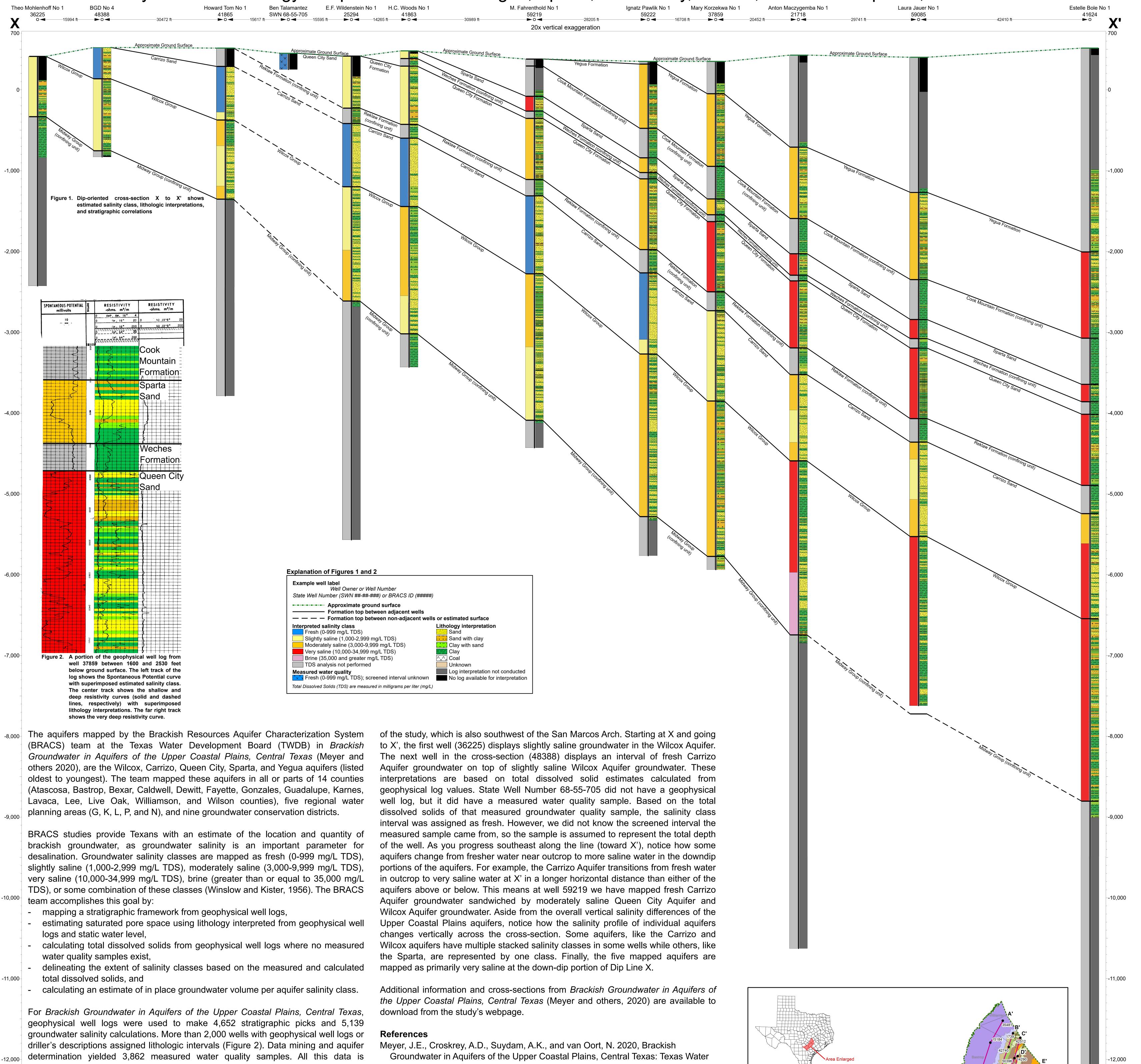


Structural Cross-section of Dip Line X

Salinity class and lithology interpretations for the Yegua, Sparta, Queen City, Carrizo, and Wilcox aquifers, Central Texas



Φ

-11.000-

interrelated and provided the foundation to map and characterize the groundwater of the study area.

GIS datasets from this study, for example formation surface elevation rasters and net

Development Board Report No 385, 278 p. and 9 plates.

TWDB (Texas Water Development Board), 2019a, BRACS Database: Texas Water Development Board.

sand point value shapefiles, can be downloaded from the Texas Water Development

Board's website:

-13,000

http://www.twdb.texas.gov/innovativewater/bracs/studies/UCP/index.asp.

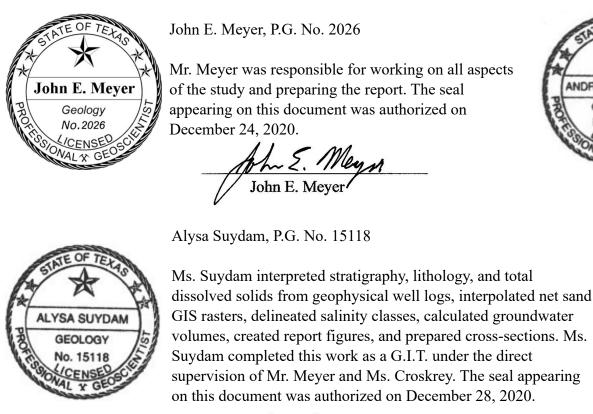
In addition to the study report and GIS datasets, stratigraphic, lithologic, and salinity interpretations are saved in the BRACS Database. It may be downloaded with an accompanying data dictionary: http://www.twdb.texas.gov/innovativewater/bracs/ database.asp.

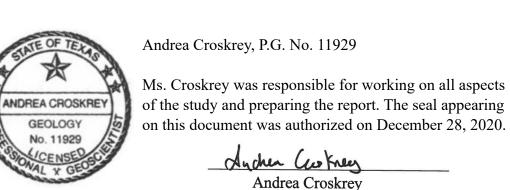
We constructed nine regional cross-sections, six strike-oriented and three diporiented (Figure 3), to illustrate the stratigraphy, lithology, and salinity interpretations -14,000 for selected wells in the project. Structural Cross-section of Dip Line X (Figure 1) was constructed from Brackish Groundwater in Aquifers of the Upper Coastal Plains, *Central Texas* data and interpretations stored in the BRACS Database. Each well on the line is labeled with the owner's name and either the BRACS Database well ID (5 digit, auto-assigned number) or the Groundwater Database State Well Number (SWN ##-##-###). Well intervals are displayed in feet relative to mean sea level with a vertical exaggeration of 20x. An approximate ground surface is shown for illustrative purposes.

This dip-oriented line was selected to display the complexity of groundwater salinity class mapping in the aquifers of the study. This line traverses the southwestern third TWDB (Texas Water Development Board), 2019b, Groundwater Database: Texas Water Development Board.

Winslow, A.G., and Kister, L.R., 1956, Saline-water resources of Texas: U.S. Geological Survey Water-Supply Paper 1365, 105 p.

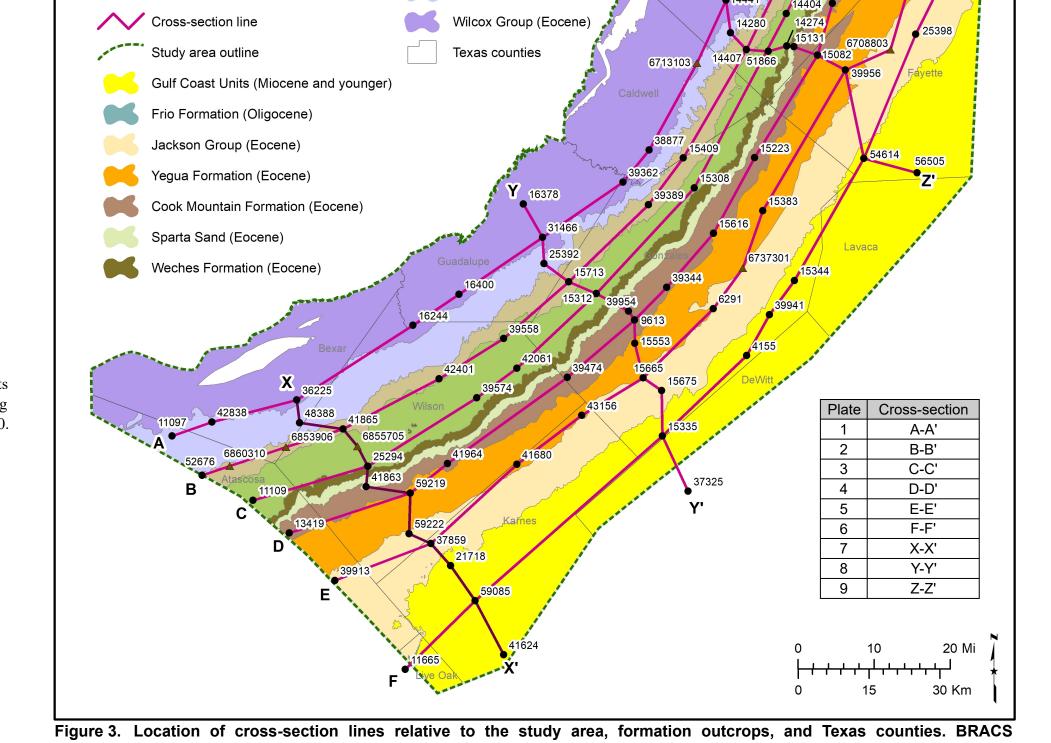
Geoscientist seal The contents of this report (including figures, tables, and plates) document the work of the following licensed Texas geoscientists:





Nathanial van Oort under the direct supervision of Mr. Meyer and Ms. Croskrey, collected well information, interpreted stratigraphy and lithology from geophysical well logs, prepared stratigraphic surface GIS rasters, and prepared report figures.

+ Za Alysa Suydar



Queen City Sand (Eocene)

Reklaw Formation (Eocene)

-13,000

-14,000

-15,000

Carrizo Sand (Eocene)

BRACS well point

GWDB well point

Cross-section X-X'

(Brackish Resources Aquifer Characterization System) well point label is the well ID in the BRACS Database. GWDB (Groundwater Database) well point label is the state well number in the GWDB Database.