

Update on House Bill 30 Studies

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The following presentation is based upon professional research and analysis within the scope of the Texas Water Development Board's statutory responsibilities and priorities but, unless specifically noted, does not necessarily reflect official Board positions or decisions.

In this presentation...

- History of House Bill 30 (H.B. 30)
- H.B. 30 requirements and criteria
- Implementation of H.B. 30 by the Texas Water Development Board (TWDB)

H.B. 30 History

- Authored by Representatives Larson and Villalba
- A few versions before it moved out of the Natural Resources House Committee and Agriculture, Water & Rural Affairs Senate Committee during the 84th Texas Legislature
- Signed in the House May 31, 2015
- Signed in the Senate June 1, 2015
- Signed by the Governor on June 19, 2015 and was effective immediately
- The enrolled version is available at:

http://www.twdb.texas.gov/innovativewater/bracs/doc/HB_30_enrolled.pdf

H.B. 30 Requirements

- Map brackish groundwater production zones and estimate 30- and 50-year production without causing significant impact to water quality or water quantity in freshwater aquifers
- Make recommendations for reasonable monitoring
- Work with groundwater conservation districts and stakeholders

H.B. 30 Brackish Groundwater Production Zone Criteria

Must have brackish water	In areas of the state with moderate to high availability and productivity
Must have hydrogeologic barriers	sufficient to prevent significant impacts to fresh water availability or quality
Cannot be within these boundaries	Edwards Aquifer within the Edwards Aquifer Authority, Barton Springs-Edwards Aquifer Conservation District, Harris-Galveston Subsidence District, and Fort Bend Subsidence District
Cannot be already in use	Brackish water already serving as a significant source of water supply for municipal, domestic, or agricultural
Cannot be used for wastewater injection	permitted under Title 2 of Texas Water Code, Chapter 27

H.B. 30 Study Completion Timeline

- Four aquifer projects that must be completed by December 1, 2016:
 - the Carrizo-Wilcox Aquifer located between the Colorado and Rio Grande Rivers,
 - the Gulf Coast Aquifers and sediments bordering that aquifer,
 - the Blaine Aquifer, and
 - the Rustler Aquifer.
- Include status report in every biennial desalination report, next report due December 1, 2016 (Water Code Sec. 16.060)
- Map remaining aquifers in the state by December 1, 2022

H.B. 30 Implementation

- **October 13, 2015:** Authorized to post three Request For Qualifications (RFQ)
- **October 26, 2015:** First general stakeholder meeting in Austin
- **November 10, 2015:** RFQs posted
- **January 6, 2016:** Board approves six contracts
- **February 17, 2016:** Existing Carrizo-Wilcox contract amended to include H.B. 30 requirements
- **April, June, and August 2016:** Five stakeholder meetings
- **August 2016:** Draft project reports reviewed by TWDB staff
- **Fall 2016:** Staff recommends brackish groundwater production zones to Executive Administrator
- **Fall 2016:** The Board designates brackish groundwater production zones
- **Fall 2016:** The Board approves Biennial Desalination Report to the Texas Legislature
- **December 1, 2016:** Biennial Desalination Report to the Texas Legislature

General stakeholder meetings

- First was October 26, 2015 in Austin
 - Overview of H.B. 30
 - Implementation plan discussed
 - Meeting video and comments available on website:
www.twdb.texas.gov/innovativewater/bracs/HB30.asp
- Second will be September 9, 2016 in Austin
 - Results of the four contracted projects

Contracted Projects

- \$2,000,000 appropriated from General Revenue Fund
 - \$1,681,446 was dedicated to funding the BRACS studies.
 - The remainder paid for two full time employees (FTE).
- Three 2016 contracts:
 - Blaine Aquifer: Daniel B. Stephens & Associates, Inc., \$200,000
 - Gulf Coast Aquifer: INTERA, Inc., \$500,000
 - Rustler Aquifer: INTERA, Inc., \$200,000
- Modified existing contract
 - Carrizo-Wilcox Aquifer: Texas Bureau of Economic Geology, additional \$181,446
- Three 2017 contracts:
 - Blossom Aquifer: LBG-Guyton Associates, \$50,000
 - Nacatoch Aquifer: LBG-Guyton Associates, \$150,000
 - Trinity Aquifer: Southwest Research Institute, \$400,000

H.B. 30 Projects and BRACS Studies




Brackish
Resources
Aquifer
Characterization
System

House Bill 30 Projects

2016 Aquifers

-  Be. Blaine
-  Cz. Carrizo
-  Gc. Gulf Coast
-  Rr. Rustler



2017 Aquifers

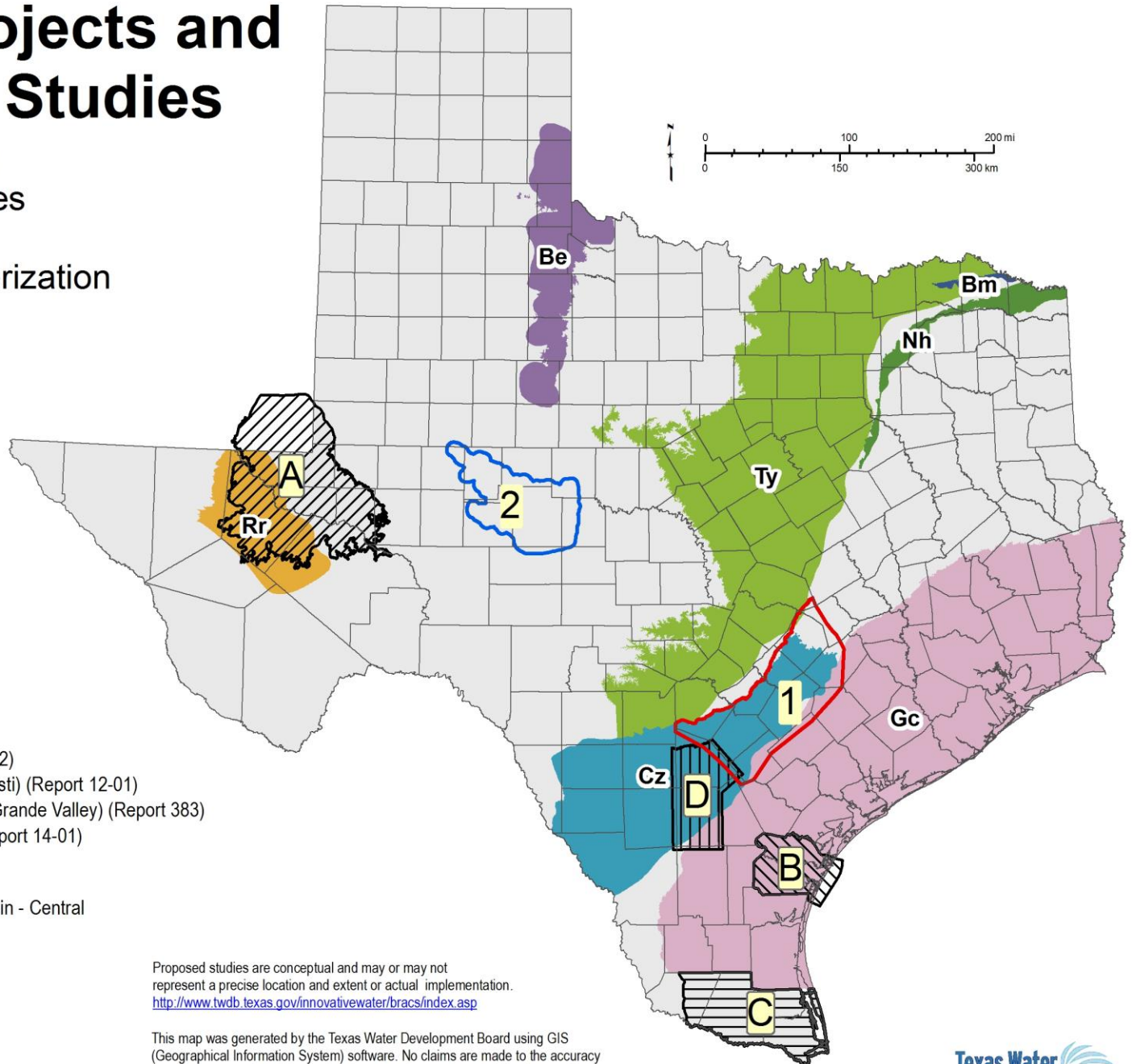
-  Bm. Blossom
-  Nh. Nacatoch
-  Ty. Trinity

Completed Studies

-  A. Pecos Valley Aquifer (Report 382)
-  B. Gulf Coast Aquifer (Corpus Christi) (Report 12-01)
-  C. Gulf Coast Aquifer (Lower Rio Grande Valley) (Report 383)
-  D. Queen City-Sparta aquifers (Report 14-01)

Other Studies

-  1. Aquifers of the upper coastal plain - Central
-  2. Lipan Aquifer



Proposed studies are conceptual and may or may not represent a precise location and extent or actual implementation.

<http://www.twdb.texas.gov/innovativewater/bracs/index.asp>

This map was generated by the Texas Water Development Board using GIS (Geographical Information System) software. No claims are made to the accuracy or completeness of the information shown herein or to its suitability for a particular use. The scale and location of all mapped data are approximate.

Aquifer Specific Stakeholder Meetings

- Carrizo-Wilcox Aquifer
 - April 15, 2016, Pleasanton
- Rustler Aquifer
 - June 17, 2016, Fort Stockton
- Gulf Coast Aquifer
 - June 22, 2016, Austin
- Blaine Aquifer
 - June 29, 2016, Quanah
 - August 18, 2016, Wellington

Reports

- Draft reports were delivered in July and August 2016
- Available for download:
www.twdb.texas.gov/innovativewater/bracs/HB30.asp
- Final reports and data due August 31, 2016 and will be posted in September
- Please submit comments!

Designation of brackish groundwater production zones

- TWDB staff review the potential production areas (PPA) evaluated by contractors and stakeholder comments
- TWDB staff recommend areas to the Executive Administrator (EA)
- The EA will review and propose brackish groundwater production zones to the Board
- The Board will designate brackish groundwater production zones in the fall

Reporting to Legislature

- Results of the four mandated studies included in the biennial desalination report
- The Board will need to approve the final version of the report before it goes to the Legislature
- Biennial desalination report due to Legislature, Governor, and Lieutenant Governor December 1, 2016

Then what?

- By December 1, 2022, TWDB is required to designate brackish groundwater production zones in all remaining major and minor aquifers in Texas
 - more science remains to be done!
- Next spring is a new legislative session...

H.B.30 Recap

- Map and characterize the aquifer
- Identify local or regional brackish groundwater production zones
- Determine amount of brackish groundwater the zone is capable of producing over 30- and 50-year period without causing a significant impact to water quality and water quantity
- Recommend reasonable monitoring to observe effects of the zone
- Conduct science only, no policies

Lots of stuff on the website!

www.twdb.texas.gov/innovativewater/bracs/HB30.asp

- Projects Map
- Enrolled version of H.B. 30
- The RFQs
- Board authorizations and approvals
- Video of the first general stakeholder meeting
- Stakeholder comments
- Announcements
- Aquifer specific stakeholder meeting presentations
- Stakeholder questions and answers
- Draft reports

Data for Better Science

- Water quality
- Aquifer tests
- Well logs
- Databases
- Spreadsheets

Thank you for your support and patience!



We
appreciate
data!

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