

Texas Water Service Area Boundary Metadata

1. Identification Information:

- Originator: Texas Water Development Board (TWDB)
- Publication Date: 2019
- Title: Texas Water Service Boundaries
- Edition: Dynamically Updated

2. Publication Information:

- Place: Austin, Texas
- Publisher: TWDB
- Acknowledgment of Support: This material is based upon work supported by the U.S. Geological Survey under Cooperative Agreement No. G17AC00016.

3. Description:

Abstract:

The TWDB has developed a statewide community public water system service boundary mapping application. The application allows verified representatives of community public water systems to update or verify service boundaries annually in conjunction with the Water Use Survey. This application strives to provide the most up-to-date and best data available on the service areas for all community public water systems within Texas. Boundaries represent the service areas that public water systems currently supply potable water to and are updated annually.

Purpose:

This dataset was created to:

- Aid in annual population estimates for water utilities, as well as population projections for the State Water Plan.
- Disseminate data related to public water systems across the state in a geographic format.

Time Period of Content:

- Time Period of Information: Data is available year-round.
- Status: On-going.
- Maintenance and Update Frequency: Editing of boundaries is allowed by authorized users between January 1st and July 1st of each year, and updated boundaries will be inspected for known inaccuracies and published frequently during that period.

Spatial Domain:

- West Bounding Coordinate: -106
- East Bounding Coordinate: -93
- North Bounding Coordinate: 36
- South Bounding Coordinate: 25

Spatial Reference:

- Datum: North_American_1983

Attribute Information:

- PWS ID: Public Water System Identification Number, maintained by TCEQ
- PWS Name: Public Water System Identification Number, maintained by TCEQ
- PWS Review Date: The date the last time a representative of the Public Water System verified the boundary
- Area (sq mi): Area of boundary in square miles
- County: Primary county of the Public Water System maintained by the TCEQ

Data Quality Information:

- Analytical Tools: Boundaries were simplified for editing purposes using Mapshaper.org using the Douglas-Peucker method and without removal of shapes. The Douglas-Peucker algorithm uses a point-to-edge distance tolerance.
- Accuracy Report: Published data submitted by Public Water System representatives have been reviewed by the TWDB, however; no guarantees are made to the accuracy of the data.

Use Constraints:

The data in the Texas Water Service Boundary Viewer represents the best available information provided by the TWDB and third-party cooperators of the TWDB and is believed to be accurate and reliable. However, the TWDB provides information via this web site as a public service. Neither the State of Texas nor the TWDB assumes any legal liability or responsibility or makes any guarantees or warranties as to the accuracy, completeness or suitability of the information or boundaries for any particular purpose. These service boundaries and info provided in the application do not alter legal boundaries as regulated by the Public Utility Commission and the Texas Commission on Environmental Quality (TCEQ). TWDB systematically revises or removes data discovered to be incorrect. If you find inaccurate information or have questions, please contact TWSBV@twdb.texas.gov.

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4. Citation:

By using any data generated by the TWSBV application (via download or map viewer), you are agreeing to cite: www.twdb.texas.gov/apps/serviceboundary, Texas Water Development Board, and the date of download. By downloading the using the data you understand the stated disclaimer included with the download. Cite the TWDB when developing applications or reporting results derived from the service area boundaries accumulated within the TWSBV.

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