

# Public Water System Wells

## Table of Contents:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
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### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Texas Commission on Environmental Quality

*Publication\_Date:* 20120221

*Title:* Public Water System Wells

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Publication\_Information:*

*Publication\_Place:* Austin, TX

*Publisher:* TCEQ

*Online\_Linkage:* <http://www.tceq.texas.gov/gis/>

#### *Description:*

##### *Abstract:*

This layer contains Public Water Supply Water Well Sites in the State of Texas. The locations for this layer were obtained by the Water Supply Division as recorded from various sources. This layer was built using the best existing location data available from these sources. Although some location errors were found and corrected in the process, some errors still remain. Some locational errors have been identified and provided to the custodian for correction. As resources allow, TCEQ intends to improve the accuracy of these locations to meet the standards set forth in the agency's Positional Data Policy.

##### *Purpose:*

This layer was developed to support the TCEQ's Source Water Assessment and Protection Program (SWAP).

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 20120221

*Currentness\_Reference:* publication date

*Status:*

*Progress:* Complete  
*Maintenance\_and\_Update\_Frequency:* Daily

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -106.623841  
*East\_Bounding\_Coordinate:* -93.590773  
*North\_Bounding\_Coordinate:* 36.499428  
*South\_Bounding\_Coordinate:* 25.953893

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* None  
*Theme\_Keyword:* public water supply  
*Theme\_Keyword:* public drinking water  
*Theme\_Keyword:* well

*Place:*

*Place\_Keyword:* Texas

*Access\_Constraints:* None

*Use\_Constraints:*

This dataset was generated by the Water Supply Division of the Texas Commission on Environmental Quality. This dataset was not generated by a licensed surveyor, and is intended for illustrative purposes only. No claims are made to the accuracy or completeness of the data or to its suitability for a particular use. For more information concerning this dataset, contact the Water Supply Division at (512) 239-4691. Acknowledgment of the Texas Commission on Environmental Quality would be appreciated in products derived from this dataset.

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* Texas Commission on Environmental Quality

*Contact\_Address:*

*Address\_Type:* mailing address  
*Address:* MC-155, P.O. Box 13087  
*City:* Austin  
*State\_or\_Province:* TX  
*Postal\_Code:* 78711

*Contact\_Voice\_Telephone:* 512-239-4691  
*Contact\_Electronic\_Mail\_Address:* pdws@tceq.state.tx.us  
*Hours\_of\_Service:* M-F 8-5  
*Contact\_Instructions:* Drinking Water Protection Team

*Native\_Data\_Set\_Environment:*

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.1.4000

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*Data\_Quality\_Information:*

*Lineage:*

*Process\_Step:*

*Process\_Description:* Dataset copied.

*Process\_Date:* 20090508

*Process\_Time:* 13525200

*Process\_Step:*

*Process\_Description:* Dataset copied.

*Source\_Used\_Citation\_Abbreviation:* Server=oradev2; Service=5151; User=swa\_adm;

*Version:*SDE.DEFAULT

*Process\_Date:* 20090508

*Process\_Time:* 15214600

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Entity point

*Point\_and\_Vector\_Object\_Count:* 17306

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000001

*Longitude\_Resolution:* 0.000001

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1983

*Ellipsoid\_Name:* Geodetic Reference System 80

*Semi-major\_Axis:* 6378137.000000

*Denominator\_of\_Flattening\_Ratio:* 298.257222

*Vertical\_Coordinate\_System\_Definition:*

*Altitude\_System\_Definition:*

*Altitude\_Resolution:* 1.000000

*Altitude\_Encoding\_Method:*

Explicit elevation coordinate included with horizontal coordinates

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## *Entity\_and\_Attribute\_Information:*

### *Detailed\_Description:*

#### *Entity\_Type:*

*Entity\_Type\_Label:* GDB\_ADM.TCEQ\_PWS\_WELL

#### *Attribute:*

*Attribute\_Label:* OBJECTID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

#### *Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

#### *Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

#### *Attribute:*

*Attribute\_Label:* PWS\_ID

*Attribute\_Definition:*

This alphanumeric field contains the seven-digit, Texas Commission on Environmental Quality (TCEQ) public water supply system (PWS) identification number for the owner of the water well. The first three digits of this number denote the state code for the county in which the water supply system is located. The last four digits of the identification number are sequentially assigned to public water supply systems in a given county. Each PWS identification number is unique; a number is not reassigned once a system ceases operation. The TCEQ Public Drinking Water Program assigns this identification number and uses it in all inspections, correspondence, and record keeping for a PWS. This field (along with the WATER SOURCE field) is keyed for indexing most of the PWSD data tables.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

#### *Attribute:*

*Attribute\_Label:* SYS\_NAME

*Attribute\_Definition:* Public Water Supply system name.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

#### *Attribute:*

*Attribute\_Label:* WTRSRC

*Attribute\_Definition:*

This ten-character alphanumeric field contains a unique designation assigned by the TCEQ Water Supply Division for each public water supply source. The first character is always one of two possible values: "G", indicating a ground water source; "S", indicating a surface-water source. The seven numbers following the first letter are the PWS identification number. These seven numbers should be identical to the entry

in PWS ID. The final characters following the seven numbers are a letter code assigned to each water source owned by a PWS. Letter codes are assigned alphabetically beginning with "A", through "Z", then to "AA", "AB", "AC"..."AZ", "BA", "BB", etc. Beginning in January, 1991, these letter codes were assigned as PWS water source locations were mapped on U.S. Geological Survey 7.5-minute topographic quadrangles. Once a Water Source Code is assigned, it does not change, as long as the source is owned by a PWS. If a water source is sold by a PWS or is plugged, the TCEQ Water Source Code is retired and not reassigned. This field (along with the PWS ID field) is keyed for indexing most of the PWS data tables.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* OWNER\_DES

*Attribute\_Definition:*

This 35-character alphanumeric field contains the number(s), letter(s), or word(s) used by the PWS to identify the well. Data for this field is taken from the TCEQ Water System Data Form used by TCEQ inspectors in conducting investigations of each PWS. TCEQ Water System Data forms are on file in the Central Records in Austin.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* ST\_WELL\_NO

*Attribute\_Definition:*

This seven-character alphanumeric field contains the seven digit number assigned by the Texas Water Development Board (TWDB) to the well.

*Attribute\_Definition\_Source:* TWDB publication UM-50

*Attribute:*

*Attribute\_Label:* AQUIFER

*Attribute\_Definition:*

Eight-character alphanumeric code contains the USGS standard code for the aquifer(s) used by the well.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* QUADNUM

*Attribute\_Definition:*

This eight-character alphanumeric field contains the Texas Index Code for the USGS 7.5-minute topographic quadrangle in which the water source is located. The seven-digit Texas Index Code is printed below the small index map of Texas in the right bottom margin of many USGS 7.5-minute topographic quadrangles.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* OPSTAT

*Attribute\_Definition:*

Operational Status. Unique code defining the use status of every water source.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* DRILL\_DATE

*Attribute\_Definition:*

The date the water well construction was completed in the format of YYYYMMDD.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* WELL\_DEPTH

*Attribute\_Definition:*

The depth of the completed water well, in feet, below ground surface.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* DEPTH\_AGEN

*Attribute\_Definition:*

Depth Agency. Five-character alphanumeric code indicates the agency, institution, or business that provided the WELL DEPTH information.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* LAT\_DD

*Attribute\_Definition:*

The latitude of the site in the format of decimal degrees north of the equator.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* LONG\_DD

*Attribute\_Definition:*

The longitude of the site in the format of decimal degrees west of the Prime Meridian in Greenwich, England.

*Attribute\_Definition\_Source:* TCEQ PDW SWAP

*Attribute:*

*Attribute\_Label:* HORZ\_METH

*Attribute\_Definition:*

Horizontal Collection Method. A code defining the method used to obtain the reported coordinates. This list will be expanded by the GIS Subcommittee as needed.

*Attribute\_Definition\_Source:* TCEQ

*Attribute:*

*Attribute\_Label:* HORZ\_ACC

*Attribute\_Definition:*

Horizontal Accuracy. Assessment of the horizontal accuracy of the reported latitude/longitude coordinate expressed in meters. Accuracy will depend on the method of collection, procedures and equipment used, and/or the results of any statistically valid test of similar points. A value of -9999 should be entered if accuracy cannot be determined.

*Attribute\_Definition\_Source:* TCEQ

*Attribute:*

*Attribute\_Label:* HORZ\_REF

*Attribute\_Definition:*

Horizontal Reference. A code that specifically describes the precise location of the coordinate within the facility. This field is especially important for facilities of large spatial extent. If the appropriate code cannot be found in the list, the code OTHER should be entered and the HORZ\_DESC field should be used to describe the location of the coordinate.

*Attribute\_Definition\_Source:* TCEQ

*Attribute:*

*Attribute\_Label:* HORZ\_DATE

*Attribute\_Definition:*

Horizontal Date. The date on which the horizontal coordinate was collected.

*Attribute\_Definition\_Source:* TCEQ

*Attribute:*

*Attribute\_Label:* HORZ\_ORG

*Attribute\_Definition:*

Horizontal Organization. Code representing the organization that measured the latitude/longitude.

*Attribute\_Definition\_Source:* TCEQ

*Attribute:*

*Attribute\_Label:* HORZ\_DATUM

*Attribute\_Definition:*

Horizontal Datum. Horizontal Reference Datum of the coordinates represented by the LATDD and LONGDD fields.

*Attribute\_Definition\_Source:* TCEQ

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*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* TCEQ

*Contact\_Address:*

*City:* Austin

*State\_or\_Province:* TX

*Postal\_Code:* 78711

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.531

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*Metadata\_Reference\_Information:*

*Metadata\_Date*: 20120302

*Metadata\_Contact*:

*Contact\_Information*:

*Contact\_Person\_Primary*:

*Contact\_Person*: Robert Andren

*Contact\_Organization*: TCEQ

*Contact\_Address*:

*Address\_Type*: mailing address

*Address*: MC-155, P.O. Box 13087

*City*: Austin

*State\_or\_Province*: TX

*Postal\_Code*: 78711

*Contact\_Voice\_Telephone*: 512-239-4753

*Contact\_Electronic\_Mail\_Address*: randren@tceq.state.tx.us

*Metadata\_Standard\_Name*: FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version*: FGDC-STD-001-1998

*Metadata\_Time\_Convention*: local time

*Metadata\_Extensions*:

*Online\_Linkage*: <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name*: ESRI Metadata Profile