

Public Water System Wells

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Identification_Information:

Citation:

Citation_Information:

Originator: Texas Commission on Environmental Quality

Publication_Date: 20160706

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: 20160706

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

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

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

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

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

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

Metadata_Reference_Information:

Metadata_Date: 20120302

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Sean Ables

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: 512-239-1758

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
