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Texas Ground-Water Data Dictionary

Texas Ground-Water Data Dictionary

by

**Data Management Subcommittee
Texas Groundwater Protection Committee**

**Robert H. Blodgett
Chair**

**Austin, Texas
March 6, 1995**



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TEXAS GROUNDWATER PROTECTION COMMITTEE

Committee Membership

- *Texas Natural Resource Conservation Commission*
- *Texas Water Development Board*
- *Railroad Commission of Texas*
- *Texas Department of Health*
- *Texas Department of Agriculture*
- *Texas State Soil and Water Conservation Board*
- *Texas Alliance of Groundwater Districts*
- *Texas Agricultural Experiment Station*
- *Bureau of Economic Geology*

The Texas Ground-Water Data Dictionary was designed and produced by the Texas Groundwater Protection Committee in fulfillment of requirements given in Sections 26.401 through 26.407 of the Texas Water Code. The effort was partially funded by the U.S. Environmental Protection Agency. While the information contained in the report represents the contribution of each individual participating agency and group, the report as a whole is the work of the Committee and does not necessarily reflect all of the views and policies of each participating organization.

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Abbreviations

ARC/INFO	- Geographic information system software made by ESRI
D	- Day
EPA	- U.S. Environmental Protection Agency
ESRI	- Environmental Systems Research Institute, Inc.
FGDC	- Federal Geographic Data Committee
FIPS	- Federal Information Processing Standards
GIS	- Geographic information system
GW	- Ground water
ITFM	- U.S. Interagency Task Force on Monitoring Water Quality
LAB	- Laboratory
LP	- Liquefied petroleum
M	- Minute or meter
MAX	- Maximum
MIN	- Minimum
MSDE	- EPA Minimum Set of Data Elements for Ground-Water Quality
N	- Number
NAD	- North American Datum (horizontal)
NGVD	- National Geodetic Vertical Datum
NIST	- National Institute of Standards and Technology (formerly National Bureau of Standards)
NRCS	- National Resources Conservation Service (formerly U.S. Soil Conservation Service)
NWIS	- U.S. Geological Survey National Water Information System
OFR	- U.S. Geological Survey Open File Report
P	- Primary
PO	- Post office
PUB	- Publication
PVC	- Polyvinyl chloride
QA/QC	- Quality assurance / Quality control
S	- Secondary
T	- Tertiary
TDH	- Texas Department of Health
TECH	- Technical
TNRCC	- Texas Natural Resource Conservation Commission
TWC	- Texas Water Commission (now part of the TNRCC)
TWDB	- Texas Water Development Board
UM	- Texas Water Development Board User's Manual
US	- United States of America
USGS	- U.S. Geological Survey
USPS	- U.S. Postal Service
VAP	- Vulnerability Assessment Program

Executive Summary

The Texas Ground-Water Data Dictionary describes a standardized framework for collecting and storing information on ground water in Texas. Use of the 135 data elements contained in the dictionary will make it easier to share information stored in various computer programs and operating systems, and will facilitate processing of information in a geographic information system (GIS).

Not all of the data elements contained in this dictionary are required for every ground-water database. However, a core set of data elements specified in this dictionary is recommended to meet the requirements of the Minimum Set of Data Elements for Ground Water Quality (MSDE) developed by the U.S. Environmental Protection Agency, U.S. Geological Survey, and other federal agencies. Other data elements are designed to meet specific geographic, political, or ground-water conditions in Texas.

Definitions and descriptions of the 135 data elements are accompanied by 53 lookup tables. These tables contain many of the codes and values needed for each data element. The lookup tables can also be used to improve the quality control/quality assurance of information contained in a ground-water database.

This dictionary may be used to modify existing databases or for the design of new databases. Users should expect that codes and data elements contained in this dictionary will be revised as additional state, federal, and international standards are promulgated. Local governments, universities, and consultants are encouraged to contact the Texas Groundwater Protection Committee for assistance in the use of this dictionary.

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Preface

This document is the product of a two-year, collaborative effort by hydrogeologists, computer scientists, geographers, agricultural scientists, hydrologists, information specialists, and civil engineers from nine local, state, and federal agencies in Texas. This effort also benefited from the advice and consultation of scientists and engineers at several universities and consulting firms.

Agencies participating in this project include the Texas Natural Resource Conservation Commission (TNRCC), Texas Water Development Board (TWDB), U.S. Geological Survey/Water Resources Division (USGS), Barton Springs/Edwards Aquifer Conservation District, Texas Bureau of Economic Geology, Texas State Soil and Water Conservation Board, Texas Department of Agriculture (TDA), Texas Department of Health (TDH), and the Railroad Commission of Texas (RRC).

The Data Management Subcommittee was established in March 1992 by the Texas Groundwater Protection Committee, an interagency coordinating committee. Mary L. Ambrose, Chair of the Texas Groundwater Protection Committee, appointed Robert H. Blodgett to chair the Data Management Subcommittee. This subcommittee was charged with improving data sharing among various levels of government, the academic community, and the private sector.

To meet this objective, the subcommittee solicited broad participation beyond the membership of the Texas Groundwater Protection Committee. This included the U.S. Geological Survey, Texas Department of Information Resources, and various information and ground-water consulting firms.

The Subcommittee established working groups chaired by Margaret Hart (TNRCC/Ground-Water Assessment Program) and Phil Nordstrom (TWDB/Hydrologic Monitoring Program) to compile this generic ground-water data dictionary for Texas. A third working group, chaired by John Meyer (TNRCC/Public Drinking Water Program), began compiling a notebook of sources of ground-water information in Texas. The final preparation of this document benefited from the skills of Bob Traylor, Pauline Listz, and Kitty Malus of the TNRCC Ground-Water Assessment Section.

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Introduction

The need for a generic ground-water data dictionary in Texas is based on three recent technological developments: distributed computing, geographic information systems, and widespread data exchange via the Internet.

Prior to these developments, ground-water data sharing required time-intensive, "dial-in" access to three mainframe information systems: MONITOR (TNRIS), NAWDEX (USGS), and STORET (EPA). With the advent of personal computers, workstations, and client/server networks, technical professionals in local, state, and federal agencies, educational institutions, and the private sector now have the capability to develop their own ground-water databases. Many of these scientists and engineers have no formal training in database design or in the complex data requirements of geographic information systems.

This document provides ground-water professionals in Texas with specific guidelines to implement recent state and federal requirements, such as the USEPA/USGS Minimum Set of Data Elements (MSDE) for Ground-Water Protection (USEPA, 1992a), and the Texas Standards and Guidelines for Geographic Information Systems (Texas Geographic Information Systems Standards Committee, 1992). It also contains data elements, which will be required for the Federal Standards for Digital Geospatial Metadata (part of the National Spatial Data Infrastructure)(Federal Geographic Data Committee, 1994), the USGS National Water Information System (NWIS II), the USEPA Safe Drinking Water Information System (SDWIS), and the revised USEPA STORET System. This data dictionary contains a structure for database fields and codes that can be used with most types of computer hardware and software.

Two important applications of this document will be to facilitate data exchange as part of the Comprehensive State Ground-Water Protection Program (USEPA, 1992d) and to assist in the information sharing required by the Texas Clean Rivers Act, implemented by the TNRCC Office of Water Resources.

Other benefits from using this standard data dictionary for the storage and transfer of ground-water information are:

Groundwork for GIS Mapping - Use of the locational data elements contained in this data dictionary will provide information needed for mapmaking with a geographic information system (GIS). Even if an organization does not have a GIS today, information will be in a format for use in future GIS applications.

As a Basis for Hydrogeologic Studies - Accurate documentation of well construction and ownership also lays the groundwork for future hydrogeologic studies, as well as accurate identification of abandoned wells.

Improved Information Exchange - Use of standard data elements can save money by reducing duplication in efforts to collect ground-water information. Standardized data elements facilitate the importation of digital information from other governmental agencies and private organizations.

Improve QA/QC on Water Quality Information - Use of the data elements in this report should improve documentation of water sampling and analysis. Improved documentation will, in turn, improve confidence in decisions regarding ground-water quality data.

Accurate Information for Water Conservation - Complete documentation of well locations, altitude, and water levels allows for more accurate mapping of the water table or artesian potentiometric surface.

Scope

This data dictionary focuses on the types of information needed for the investigation, monitoring, or regulation of ground-water quality or quantity. Most information on the quality and quantity of ground water in Texas is obtained from measurements or descriptions of wells and springs. In geographic information systems (GISs), wells and springs are types of real-world entities that are generally represented as point data in GIS layers.

Measurements or descriptions of wells or springs are classified as attributes of these features. Attributes may be spatial (e.g., latitude, longitude, well depth), temporal (e.g., well construction date, time of measurement), categorical (e.g., well type, analytical code), or volumetric (e.g., analytical measurement, yield measurement) in nature.

As information is more easily fragmented and exchanged in digital form, it becomes increasingly important to document the history or lineage of each data element in a data dictionary or metadata file. Metadata is a summary of the contents of a database, spreadsheet, or GIS layer. This summary may take the form of a smaller database, spreadsheet, GIS index layer, or text in a more conventional data dictionary.

The quality of information obtained from a database or GIS is only as good as the error rate for each of the data elements. Two ways to assure quality digital data are documentation and verification. For field and laboratory work, this means documenting the source, date, time, reference point, accuracy, and methodology for each measurement. Source refers to the primary source of information, which can be an organization, individual, or analytical laboratory. Reference points include horizontal and vertical datums, and analytical results qualifiers. Accuracy is generally the root mean square of all errors. Methodology is documented in fields that refer to technology, methods, or quality assurance indicators.

Guidelines on Database Design and Use

Multiple Databases

Optional use of computer disk storage can be achieved by grouping these data elements into separate databases, for example:

- Data Lineage
- Positional Data
- Well Construction
- Well Identification and Ownership
- Well Use
- Aquifer Data
- Water Levels
- Water Quality

These smaller, "distributed" databases can be linked with common fields, such as the state well number or well code. Splitting up a large database may speed up queries and report generation.

Lookup Tables

Standardized codes are used wherever possible to aid in data entry and reduce computer disk storage requirements. Commonly used codes can be entered as "default" values for many fields. For example, if most information on well location is taken from 7.5-minute USGS topographic maps, the code 24,000 can be entered as the default value for data element 2.2.3.

Lookup tables can also be used to check the allowable range of values for a given field. For example, the lookup table GWCODE53 can be used to ensure that latitude and longitude values for an entity fall within the correct county.

Data Entry QA/QC

Some database management systems allow the developer to specify the acceptable values for a given field (contained in lookup tables), or the minimum and maximum values allowable for each field. Constraining times, dates, numeric values, and allowable names or codes can significantly reduce the error rate in data entry.

A database developer should establish fields for the initials of the individual(s) collecting data and for the person(s) performing data entry, as well as the last date each record was modified. Tracking initials and dates can help a database manager identify and correct systematic errors in data collection and data entry. If staffing and time allows, the same data should be entered into separate files by two different individuals (dual data entry); cross checking the two files can significantly reduce the number of errors in the digital

data.

Domain Format

In database development, each field is assigned a domain classification, which limits the types of characters allowed. For example, an alphanumeric (A) domain allows the entry of either alphabetical or numeric characters (i.e., letters or numbers).

A numeric (N) domain restricts a field to numbers. In most database management systems, mathematical calculations (e.g., determination of the statistical mean) can be performed on numeric fields. A disadvantage for designating a field as numeric is the memory required for storage. Unlike fixed-size alphanumeric fields, numeric fields may have to have placeholder zeros or space to allow for both small and large numbers. Some databases allow further limitation of numeric domains to the type of allowable number, such as a real number (R) or integer (I).

Date (D) domains further restrict a field to calendar dates. Note that some database management systems do not support the standard YYYYMMDD format required in this data dictionary. This software restriction can be circumvented by establishing an alphanumeric domain for the date field or by writing short scripts, macros, or programs to convert the dates to the standard format when data are exported.

Database Design and Expansion

Not all data elements found in this data dictionary are required in every ground-water database. For example, if your data set does not currently include information on the altitude of each well, there is no need to add a field for altitude until data become available or are required for your application. Additional data elements beyond the minimum set (MSDE) can be added without affecting the exportation of your database to others.

A database manager should limit the amount of information entered into a free-form "remarks" field. Conducting queries of information in free-form fields can be difficult and require the development of special programs, scripts or macros. Similarly in some database management systems (e.g., FoxPro), "note" fields also store information in a format that is not easily exported to other databases.

Dictionary Organization

Data elements in this dictionary are grouped into eight broad categories and 34 subcategories. Categories and subcategories are assigned two-digit numbers separated by periods, and data elements have three-digit numbers separated by periods.

Data elements in bold text with an MSDE number in parentheses are those recommended for implementation of the Federal Minimum Set of Data Elements for Ground-Water

Quality (MSDE)(USEPA, 1992a). Definitions, discussion, examples, and references for the MSDE are contained in EPA 813/B-92-002 (USEPA, 1992a).

Data elements in this dictionary are placed in the following groups:

1.0 General Description Category

1.1. Digital Data Source Subcategory (Can be repeated for each data type)

- 1.1.1 Digital Data Source Name (MSDE 1)
- 1.1.2 Digital Data Source Postal Address (MSDE 1)
- 1.1.3 Digital Data Source City (MSDE 1)
- 1.1.4 Digital Data Source State (MSDE 1)
- 1.1.5 Digital Data Source Zip Code (MSDE 1)
- 1.1.6 Digital Data Type (MSDE 1)

1.2 Raw Data Source Subcategory (Can be repeated for each data type)

- 1.2.1 Raw Data Source Name (MSDE 1)
- 1.2.2 Raw Data Source Postal Address (MSDE 1)
- 1.2.3 Raw Data Source City (MSDE 1)
- 1.2.4 Raw Data Source State (MSDE 1)
- 1.2.5 Raw Data Source Zip Code (MSDE 1)
- 1.2.6 Raw Data Type (MSDE 1)

1.3 Data Management Subcategory

- 1.3.1 Data Reliability
- 1.3.2 Last Date Record Changed
- 1.3.3 Data Collector Initials
- 1.3.4 Data Entry Initials

2.0 Geographic Description Category

2.1 Geographic Coordinates Subcategory

- 2.1.1 Latitude (MSDE 2)
- 2.1.2 Longitude (MSDE 3)
- 2.1.3 Locational Accuracy (MSDE 6)
- 2.1.4 Location Verification

2.2 Geographic Method Subcategory

- 2.2.1 Locational Technology (MSDE 4)
- 2.2.2 Horizontal Datum (MSDE 4)
- 2.2.3 Location Source Scale (MSDE 4)
- 2.2.4 Location Source
- 2.2.5 Latitude/Longitude Date (MSDE 4)
- 2.2.6 Latitude/Longitude Time

2.3 Entity Description Subcategory

- 2.3.1 Entity Identity (MSDE 5)
- 2.3.2 Entity Description (MSDE 5)
- 2.3.3 Location point (MSDE 5)

2.4 Altitude Subcategory

- 2.4.1 Altitude Measuring Point (MSDE 7)
- 2.4.2 Altitude Measurement (MSDE 7)
- 2.4.3 Altitude Accuracy

2.5 Altitude Method Subcategory

- 2.5.1 Altitude Technology (MSDE 8)

- 2.5.2 Vertical Datum (MSDE 8)
- 2.5.3 Altitude Source (MSDE 8)
- 2.5.4 Altitude Date (MSDE 8)
- 2.6 Political Subdivision Subcategory
 - 2.6.1 State FIPS Code (MSDE 9)
 - 2.6.2 County FIPS Code (MSDE 10)
 - 2.6.3 Underground Water Conservation District
 - 2.6.4 River Authority
 - 2.6.5 Council of Government
- 2.7 Mapping Subdivision Subcategory
 - 2.7.1 Topographic Quadrangle Code
 - 2.7.2 Hydrologic Unit Code
 - 2.7.3 Hydrologic Unit Code Method
- 3.0 Well Description Category
 - 3.1 Well Ownership Subcategory (May be repeated for lessee)
 - 3.1.1 Owner Name
 - 3.1.2 Owner Address
 - 3.1.3 Owner City
 - 3.1.4 Owner State
 - 3.1.5 Owner Zip Code
 - 3.1.6 Ownership Source
 - 3.1.7 Ownership Date
 - 3.2 Well Identifier Subcategory
 - 3.2.1 State Well Number
 - 3.2.2 Old Identifier
 - 3.2.3 Owner Identifier
 - 3.2.4 Organizational Identifier (MSDE 11)
 - 3.3 Well Regulatory Subcategory
 - 3.3.1 TWDB User Code
 - 3.3.2 TNRCC Public Water Supply Source Code
 - 3.3.3 TNRCC CCN
 - 3.3.4 Underground Water Conservation District Code
 - 3.4 Well Data Subcategory
 - 3.4.1 Well Type
 - 3.4.2 Water Use (MSDE 12)
 - 3.4.3 Log Type (MSDE 13)
 - 3.5 Borehole Depth Subcategory
 - 3.5.1 Borehole Depth Measurement
 - 3.5.2 Borehole Depth Source
 - 3.6 Well Depth Subcategory
 - 3.6.1 Well Depth Measurement (MSDE 14)
 - 3.6.2 Well Depth Accuracy
 - 3.6.3 Well Depth Technology
 - 3.6.4 Well Depth Source
 - 3.6.5 Well Depth Date
- 4.0 Well Construction Category
 - 4.1 Well Completion Subcategory
 - 4.1.1 Completion Type
 - 4.1.2 Construction Date

- 4.1.3 Construction Method
 - 4.1.4 Construction Source
- 4.2 Casing Subcategory
 - 4.2.1 Casing Material
 - 4.2.2 Casing Diameter
 - 4.2.3 Top of Cemented Interval
 - 4.2.4 Bottom of Cemented Interval
- 4.3 Screened/Open Interval Subcategory (Can be repeated)
 - 4.3.1 Top of Opening (MSDE 15)
 - 4.3.2 Bottom of Opening (MSDE 15)
 - 4.3.3 Opening Type
 - 4.3.4 Opening Diameter
 - 4.3.5 Screen Material
- 4.4 Lift Data Subcategory
 - 4.4.1 Lift Type
 - 4.4.2 Lift Power Type
 - 4.4.3 Lift Power Capacity
- 4.5 Yield Subcategory
 - 4.5.1 Yield Measurement
 - 4.5.2 Yield Method
 - 4.5.3 Yield Date
 - 4.5.4 Yield Source
 - 4.5.5 Discharge Type
 - 4.5.6 Pumping Period
 - 4.5.7 Specific Capacity
 - 4.5.8 Drawdown
- 5.0 Aquifer Description Category
 - 5.1 Aquifer Name Subcategory
 - 5.1.1 Aquifer Code
 - 5.1.2 Aquifer Name Method
 - 5.1.3 Aquifer Name Source
 - 5.2 Aquifer Porosity Subcategory
 - 5.2.1 Porosity
 - 5.2.2 Porosity Method
 - 5.2.3 Porosity Source
 - 5.3 Aquifer Hydraulic Conductivity Subcategory
 - 5.3.1 Hydraulic Conductivity
 - 5.3.2 Hydraulic Conductivity Method
 - 5.3.3 Hydraulic Conductivity Source
 - 5.4 Aquifer Transmissivity Subcategory
 - 5.4.1 Transmissivity
 - 5.4.2 Transmissivity Method
 - 5.4.3 Transmissivity Source
 - 5.5 Storage Coefficient Subcategory
 - 5.5.1 Storage Coefficient
 - 5.5.2 Storage Coefficient Method
 - 5.5.3 Storage Coefficient Source
 - 5.6 Aquifer Confinement Subcategory
 - 5.6.1 Degree of Confinement

- 5.6.2 Degree of Confinement Method
 - 5.6.3 Degree of Confinement Source
- 5.7 Aquifer Test Subcategory
 - 5.7.1 Aquifer Test
- 6.0 Depth-to-Water Category
 - 6.1 Water Level Measurement Subcategory
 - 6.1.1 Static Water Level Measurement (MSDE 17)
 - 6.1.2 Water Level Accuracy
 - 6.1.3 Water Level Measurement Method
 - 6.1.4 Water Level Measurement Date (MSDE 17)
 - 6.1.5 Water Level Measurement Time (MSDE 17)
 - 6.2 Water Level Measurement Conditions Subcategory
 - 6.2.1 Well Site Status
 - 6.2.2 Water Level Measuring Organization
- 7.0 Sample Description Category
 - 7.1 Sample Identifier Subcategory
 - 7.1.1 Sample Control Number (MSDE 16)
 - 7.1.2 Sample Date (MSDE 16)
 - 7.1.3 Sample Time (MSDE 16)
 - 7.1.4 Number Samples
 - 7.1.5 Collecting Organization
 - 7.1.6 Sample Depth Measurement
 - 7.1.7 Sample Aquifer
- 8.0 Constituent/Parameter Category
 - 8.1 Laboratory Results Subcategory
 - 8.1.1 Analytical Code (MSDE 18)
 - 8.1.2 Analytical Coding System (MSDE 18)
 - 8.1.3 Analytical Measurement (MSDE 19)
 - 8.1.4 Analytical Method (MSDE 19)
 - 8.1.5 Analytical Method Source
 - 8.1.6 Analytical Laboratory
 - 8.2 Analytical Results Qualifier Subcategory
 - 8.2.1 Results Qualifier Code (MSDE 20)
 - 8.2.2 Results Qualifier Limit (MSDE 20)
 - 8.3 Quality Assurance Indicator Subcategory
 - 8.3.1 Field Protocol Plan (MSDE 21)
 - 8.3.2 Laboratory QA/QC Procedures (MSDE 21)

Format For Data Element Descriptions

The 136 data elements in the Texas Ground-Water Data Dictionary are described in this section. Each data element description contains the following fields of information, which characterize that data element:

1. Data Element - This is the data element number in the Texas Ground-Water Data Dictionary. The first numeral in the data element number refers to the category, the second identifies the subcategory, and the third number refers to the specific data element. Each numeral is separated by a decimal point. Thus, all data element numbers have the form N.N.N.

2. Extended Label - This is the full name of the data element for use in database management systems that do not restrict the length of the name of each field.

3. DOS Label - This label is for use in database management systems that restrict a field name to eight characters.

4. Definition - This field contains the common name and general description of the data element.

5. Measurement Determination - This field describes the basis for the data element and how data are determined for the data element.

6. Definition Source - This field describes the published or unpublished source for the definition of the data element. Published sources are listed in the References Cited section of this report.

7. Attribute Authority - This field identifies the organization having authority for the meaning assigned to data or codes that appear in the data element. Abbreviations found in this field include: NRCS (Natural Resources Conservation Service), NIST (National Institute of Standards and Technology), TNRCC (Texas Natural Resource Conservation Commission), Texas Water Development Board (TWDB), USGS (U.S. Geological Survey) and USPS (U.S. Postal Service).

8. Domain Format - This field describes the type of character that can be entered into the data element. Abbreviations found in this field include: A (alphanumeric), I (integer), N (numeric), and R (real number).

9. Domain Length - This field indicates the number of spaces for each data element field.

10. Significant Digits - This field indicates the number of spaces to the right of a

decimal point for numeric values.

11. Units - The complete title for this field is Units of Measurement. This field contains standard abbreviations for English or Metric systems of measurement.

12. Edits - The complete title for this field is Editing Information. This field contains additional programmatic editing comments as well as further information on the structure of the domain format (e.g., YYYYMMDD means four characters to describe the year, followed by two characters to describe the month, and two characters to describe the day).

13. Minimum Value - This field indicates the lower boundary for numeric data elements that have a limited range in values.

14. Minimum Value Inclusive? - This field indicates whether the minimum value is within (T) or outside (F) the specified range.

15. Maximum Value - This field indicates the upper boundary for numeric data elements that have a limited range in values.

16. Maximum Value Inclusive? - This field indicates whether the maximum value is within (T) or outside (F) the specified range.

17. Typical Value - This field contains the value or term that is typically found in this data element: a mean, median, or mode, for example.

18. Value Limited? - This field indicates whether the number of categorical values is limited (T), unlimited (F), or restricted to a known number of values (number indicated). The restricted set of values is usually contained in the lookup table or database management system indicated in the Categorical Value field.

19. Categorical Value - This field contains the file name for the applicable lookup table. The Texas Ground-Water Lookup Tables are listed after the data element descriptions in this document.

20. Remarks - This is a free-form field containing additional comments regarding the data element field. This field indicates whether a data element can be repeated in a database (e.g., more than one opening in a water well).

Data Element Relationships

Data Element: 1.1.4 DOS Label: DDSSTATE
Extended Label: DIGITAL_DATA_SOURCE_STATE
Definition: STATE FOR ADDRESS OF INDIVIDUAL/ORGANIZATION TO DIRECT QUESTIONS FOR DIGITAL DATA
Measurement Determination: NONE
Def. Source: FIPS PUB 5-2
Attributed Authority: NIST
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: FORMAT AA
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: TX Value Limited?: 59
Categorical Value: GWCODE12 LOOKUP TABLE
Remarks: FIELD MAY BE REPEATED

Data Element: 1.1.5 DOS Label: DDSZIP
Extended Label: DIGITAL_DATA_SOURCE_ZIP_CODE
Definition: ZIP CODE FOR ADDRESS OF INDIVIDUAL/ORGANIZATION TO DIRECT QUESTIONS FOR DIGITAL DATA
Measurement Determination: NONE
Def. Source: NONE
Attributed Authority: USPS
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: FORMAT NNNNN-NNNN; LOOKUP TABLE CONTAINS 1ST FIVE DIGITS
Minimum Value: 00401-0000 Minimum Value Inclusive: F
Maximum Value: 99950-9999 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: T
Categorical Value: GWCODE20 LOOKUP TABLE
Remarks: FIELD MAY BE REPEATED

Data Element: 1.1.6 DOS Label: DDATTYPE
Extended Label: DIGITAL_DATA_TYPE
Definition: TYPE OF DIGITAL DATA
Measurement Determination: DATA MANAGER
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 8
Categorical Value: GWCODE24 LOOKUP TABLE
Remarks: FIELD MAY BE REPEATED

Data Element Relationships

Data Element: 1.2.4 DOS Label: RDSSTATE
Extended Label: RAW_DATA_SOURCE_STATE
Definition: STATE FOR ADDRESS OF INDIVIDUAL/ORGANIZATION PRODUCING ANALOG DATA
Measurement Determination: NONE
Def. Source: FIPS PUB 5-2
Attributed Authority: NIST
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: FORMAT AA
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: TX Value Limited?: 59
Categorical Value: GWCODE12 LOOKUP TABLE
Remarks: FIELD MAY BE REPEATED

Data Element: 1.2.5 DOS Label: RDSZIP
Extended Label: RAW_DATA_SOURCE_ZIP_CODE
Definition: ZIP CODE FOR ADDRESS OF INDIVIDUAL/ORGANIZATION PRODUCING ANALOG DATA
Measurement Determination: NONE
Def. Source: NONE
Attributed Authority: USPS
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: FORMAT NNNNN-NNNN; LOOKUP TABLE CONTAINS 1ST FIVE VALUES
Minimum Value: 00401-0000 Minimum Value Inclusive: F
Maximum Value: 99950-9999 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: T
Categorical Value: GWCODE20 LOOKUP TABLE
Remarks: FIELD MAY BE REPEATED

Data Element: 1.2.6 DOS Label: RDATTYPE
Extended Label: RAW_DATA_TYPE
Definition: TYPE OF RAW DATA
Measurement Determination: DATA COLLECTING AGENCY OR PUBLISHED DATA
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 8
Categorical Value: GWCODE24 LOOKUP TABLE
Remarks: FIELD MAY BE REPEATED

Data Element Relationships

Data Element: 1.3.1 DOS Label: DATARELY
Extended Label: DATA_RELIABILITY
Definition: OVERALL RELIABILITY OF DATA IN THIS RECORD
Measurement Determination: NONE
Def. Source: USGS OFR 89-587
Attributed Authority: DATA MANAGER
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 17
Categorical Value: GWCODE06 LOOKUP TABLE
Remarks: FIELD MAY BE REPEATED

Data Element: 1.3.2 DOS Label: LASTDATE
Extended Label: LAST_DATE_RECORD_CHANGED
Definition: LAST DATE ON WHICH A CHANGE WAS MADE TO EACH DIGITAL RECORD
Measurement Determination: DETERMINED BY DATA ENTRY PERSONNEL FROM CALENDAR
Def. Source: FIPS PUB 4-1
Attributed Authority: DATA-ENTRY PERSONNEL
Domain Form: A Domain Length: 8 Significant Digits:
Units: YEAR MONTH; DAY
Edits: ZEROS AS LEADING DIGIT IF MONTH OR DAY IS LESS THAN 10
Minimum Value: 00000101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: CURRENT DATE Value Limited?: T
Categorical Value: NONE
Remarks: YYYYMMDD FORMAT

Data Element: 1.3.3 DOS Label: CINITIAL
Extended Label: DATA_COLLECTOR_INITIALS
Definition: INITIALS OF INDIVIDUAL COLLECTING POSITIONAL MEASUREMENTS
Measurement Determination: DETERMINED BY TECHNICAL PERSONNEL
Def. Source: NONE
Attributed Authority: TECHNICAL PERSONNEL
Domain Form: A Domain Length: 3 Significant Digits:
Units: NONE
Edits: EACH ORGANIZATION SHOULD CREATE LOOKUP TABLE FOR THIS FIELD
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: WATCH FOR DUPLICATE INITIALS

Data Element Relationships

Data Element: 2.2.5 DOS Label: LOCDATE
Extended Label: LATITUDE/LONGITUDE_DATE
Definition: DATE ON WHICH THE LATITUDE/LONGITUDE COORDINATES WERE DETERMINED
Measurement Determination: CALENDAR
Def. Source: EPA 813/B-92-002; EPA ORDER 7500.1A; AND FIPS PUB 4-1
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: YEAR (Y); MONTH (M); DAY (D)
Edits: ZEROS FOR UNKNOWN VALUES & AS LEADING VALUES IF MM OR DD<10
Minimum Value: 00010101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: YYYYMMDD FORMAT

Data Element: 2.3.1 DOS Label: IDENTITY
Extended Label: ENTITY_IDENTITY
Definition: GEOMETRIC FORM DESCRIBED BY THE LATITUDE/LONGITUDE COORDINATES
Measurement Determination: INSPECTION
Def. Source: EPA 813/B-92-002
Attributed Authority: INDIVIDUAL MAKING MEASUREMENT
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 3
Categorical Value: GWCODE09 LOOKUP TABLE
Remarks: e.g. POINT; LINE; AREA (POLYGON)

Data Element: 2.3.2 DOS Label: DESCRIBE
Extended Label: ENTITY_DESCRIPTION
Definition: GEOGRAPHIC KEY WORD DESCRIBING THE REAL-WORLD OBJECT FOR WHICH THE
LATITUDE/LONGITUDE COORDINATES APPLY
Measurement Determination: INSPECTION
Def. Source: EPA 813/B-92-002
Attributed Authority: INDIVIDUAL MAKING MEASUREMENT
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 40
Categorical Value: GWCODE10 LOOKUP TABLE
Remarks: e.g. SPRING; WELL; WELL FIELD; CAVE

Data Element Relationships

Data Element: 2.4.3
DOS Label: ALTACCU
Extended Label: ALTITUDE_ACCURACY
Definition: ESTIMATED GREATEST DEVIATION FROM THE TRUE VALUE FOR THE ALTITUDE OF THE MEASURING POINT
Measurement Determination: GREATEST ROOT MEAN SQUARE OF THE ESTIMATED SOURCES OF ERROR
Def. Source: NONE
Attributed Authority: INDIVIDUAL MAKING MEASUREMENT
Domain Form: A Domain Length: 5 Significant Digits:
Units: FEET; METERS; OR CODE
Edits: FORMAT NN.NN PREFERRED OVER CODE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: GWCODE04 LOOKUP TABLE
Remarks: +/- N UNITS OR ACCURACY RANGE CODE

Data Element: 2.5.1 DOS Label: ALTTECH
Extended Label: ALTITUDE_TECHNOLOGY
Definition: METHOD USED TO DETERMINE THE ALTITUDE VALUE
Measurement Determination: TECHNOLOGY OF METHOD USED
Def. Source: EPA 813/B-92-002 AND EPA ORDER 7500.1A
Attributed Authority: INDIVIDUAL MAKING MEASUREMENT
Domain Form: A Domain Length: 8 Significant Digits:
Units: NONE
Edits: SELECT CODE FOR THE MOST ACCURATE TECHNOLOGY USED
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 11
Categorical Value: GWCODE03 LOOKUP TABLE
Remarks: e.g. MAP-M; SUR-ALT

Data Element: 2.5.2 DOS Label: ALTDAT
Extended Label: ALTITUDE_DATUM
Definition: NATIONAL GEODETIC REFERENCE SYSTEM USED FOR ALTITUDE
Measurement Determination: MATHEMATICAL EQUATION USED TO DESCRIBE EARTH'S SURFACE
Def. Source: EPA 813/B-92-002 AND FGDC (1994)
Attributed Authority: NATIONAL GEODETIC SURVEY
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 5
Categorical Value: GWCODE02 LOOKUP TABLE
Remarks: e.g. 29

Data Element Relationships

Data Element: 2.5.3 DOS Label: ALTSOUR
Extended Label: ALTITUDE_SOURCE
Definition: ORGANIZATION/INDIVIDUAL WHO DETERMINED ALTITUDE VALUE
Measurement Determination:
Def. Source: EPA 813/B-92-002
Attributed Authority: INDIVIDUAL MAKING MEASUREMENT
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: e.g. TNRCC

Data Element: 2.5.4 DOS Label: ALTDATE
Extended Label: ALTITUDE_DATE
Definition: DATE ON WHICH THE ALTITUDE VALUE WAS DETERMINED
Measurement Determination: CALENDAR
Def. Source: EPA 813/B-92-002 AND FIPS PUB 4-1
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: YEAR (Y); MONTH (M); DAY (D)
Edits: ZEROS FOR UNKNOWN VALUES & AS LEADING VALUES IF MM OR DD<10
Minimum Value: 000110101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: YYYYMMDD FORMAT

Data Element: 2.6.1 DOS Label: STATFIPS
Extended Label: STATE_FIPS_CODE
Definition: STATE IN WHICH ENTITY (WELL; SPRING; ETC.) IS LOCATED
Measurement Determination: FIELD OR MAP DETERMINATION
Def. Source: EPA 813/B-92-002 AND FIPS PUB 5-2
Attributed Authority: NIST
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: ALPHABETIC CODE PREFERRED
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: TX Value Limited?: 59
Categorical Value: GWCODE12 LOOKUP TABLE
Remarks: e.g. TX

Data Element Relationships

Data Element: 2.6.2 DOS Label: COUNFIPS
Extended Label: COUNTY_FIPS_CODE
Definition: COUNTY IN WHICH ENTITY (WELL; SPRING; ETC.) IS LOCATED
Measurement Determination: FIELD OR MAP DETERMINATION
Def. Source: EPA 813/B-92-002 AND FIPS PUB 6-4
Attributed Authority: NIST
Domain Form: A Domain Length: 3 Significant Digits:
Units: NONE
Edits: FEDERAL CODES PREFERRED
Minimum Value: 001 Minimum Value Inclusive: T
Maximum Value: 507 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: 254
Categorical Value: GWCODE13 LOOKUP TABLE
Remarks: NONE

Data Element: 2.6.3 DOS Label: UWCD
Extended Label: UNDERGROUND_WATER_CONSERVATION_DISTRICT
Definition: UNDERGROUND WATER CONSERVATION DISTRICT IN WHICH WELL OR SPRING IS LOCATED
Measurement Determination: FIELD OR MAP DETERMINATION
Def. Source: TNRCC RPT SFR-13
Attributed Authority: TNRCC
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: 1 Minimum Value Inclusive: T
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 42
Categorical Value: GWCODE21 LOOKUP TABLE
Remarks: NONE

Data Element: 2.6.4 DOS Label: RIVAUTHY
Extended Label: RIVER_AUTHORITY
Definition: RIVER OR WATER AUTHORITY IN WHICH WELL OR SPRING IS LOCATED
Measurement Determination: FIELD OR MAP DETERMINATION
Def. Source: TWC REPORT GP 92-01 AND TEXAS STATE DIRECTORY
Attributed Authority: TNRCC
Domain Form: A Domain Length: 6 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 24
Categorical Value: GWCODE22 LOOKUP TABLE
Remarks: e.g. GBRA

Data Element Relationships

Data Element: 2.7.3 DOS Label: HUCMETH
Extended Label: HYDROLOGIC_UNIT_CODE_METHOD
Definition: METHOD BY WHICH HYDROLOGIC UNIT AREA CODE WAS ASSIGNED
Measurement Determination: PERSON DETERMINING CODE
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 6
Categorical Value: GWCODE16 LOOKUP TABLE
Remarks: NONE

Data Element: 3.1.1 DOS Label: OWNER
Extended Label: OWNER_NAME
Definition: OWNER OF ENTITY (WELL; SPRING; ETC.)
Measurement Determination: COUNTY CLERK
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 35 Significant Digits:
Units: NONE
Edits: FIELD MAY BE REPEATED FOR LESSEE OF ENTITY
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: NONE

Data Element: 3.1.2 DOS Label: OWNRADDR
Extended Label: OWNER_ADDRESS
Definition: ADDRESS OF OWNER OF ENTITY
Measurement Determination: COUNTY CLERK OR TAX ASSESSOR/COLLECTOR
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 35 Significant Digits:
Units: NONE
Edits: FIELD MAY BE REPEATED FOR LESSEE OF ENTITY
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 3.1.3 DOS Label: OWNCITY
Extended Label: OWNER_CITY
Definition: CITY OF OWNER OF ENTITY
Measurement Determination: COUNTY CLERK OR TAX ASSESSOR/COLLECTOR
Def. Source: NONE
Attributed Authority: US BOARD OF GEOGRAPHIC NAMES
Domain Form: A Domain Length: 25 Significant Digits:
Units: NONE
Edits: NAMES CONTAINED IN USGS GEOGRAPHIC NAMES INFORMATION SYSTEM
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: FIELD MAY BE REPEATED FOR LESSEE

Data Element: 3.1.4 DOS Label: OWNSTATE
Extended Label: OWNER_STATE
Definition: STATE OF OWNER OF ENTITY
Measurement Determination: COUNTY CLERK OR TAX ASSESSOR/COLLECTOR
Def. Source: FIPS PUB 5-2
Attributed Authority: NIST
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: FIELD MAY BE REPEATED FOR LESSEE OF ENTITY
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: TX Value Limited?: 59
Categorical Value: GWCODE12 LOOKUP TABLE
Remarks: e.g., TX

Data Element: 3.1.5 DOS Label: OWNZIP
Extended Label: OWNER_ZIP_CODE
Definition: ZIP CODE OF OWNER OF ENTITY
Measurement Determination: COUNTY CLERK OR TAX ASSESSOR/COLLECTOR
Def. Source: NONE
Attributed Authority: USPS
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: FORMAT NNNNN-NNNN;FIELD MAY BE REPEATED FOR LESSEE OF ENTITY
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: T
Categorical Value: GWCODE20 LOOKUP TABLE
Remarks: LOOKUP TABLE CONTAINS 1ST 5 DIGITS

Data Element Relationships

Data Element: 3.1.6 DOS Label: OWNRSOUR
Extended Label: OWNERSHIP_SOURCE
Definition: SOURCE OF INFORMATION ON OWNERSHIP OF ENTITY
Measurement Determination: INDIVIDUAL DETERMINING OWNERSHIP
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 3.1.7 DOS Label: OWNRRDATE
Extended Label: OWNERSHIP_DATE
Definition: DATE ON WHICH OWNERSHIP WAS ESTABLISHED
Measurement Determination: INDIVIDUAL DETERMINING OWNERSHIP
Def. Source: FIPS PUB 4-1
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: NONE
Edits: YYYYMMDD FORMAT
Minimum Value: 00000101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: NONE

Data Element: 3.2.1 DOS Label: STWELLNO
Extended Label: STATE_WELL_NUMBER
Definition: UNIQUE NUMBER ASSIGNED TO A WELL OR BOREHOLE BY THE TEXAS WATER DEVELOPMENT BOARD OR THE USGS
Measurement Determination: TEXAS STATE WELL NUMBERING SYSTEM
Def. Source: TWDB UM-50
Attributed Authority: TWDB
Domain Form: A Domain Length: 7 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: 0140399 Minimum Value Inclusive: T
Maximum Value: 8914199 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: T
Categorical Value: TWDB GROUND-WATER DATA SYSTEM
Remarks: COUNTY LETTER CODES NO LONGER USED

Data Element Relationships

Data Element: 3.3.1 DOS Label: USERCODE
Extended Label: TWDB_USER_CODE
Definition: UNIQUE NUMBER ASSIGNED ONLY TO WELLS OF PUBLIC SUPPLY USERS INVENTORIED ANNUALLY BY THE TEXAS WATER DEVELOPMENT BOARD
Measurement Determination: ASSIGNED BY TWDB WATER USES SECTION
Def. Source: TWDB UM-50
Attributed Authority: TWDB
Domain Form: I Domain Length: 6 Significant Digits:
Units: NONE
Edits: ALL WELLS BELONGING TO SINGLE USER ARE ASSIGNED SAME NUMBER
Minimum Value: 000001 Minimum Value Inclusive: T
Maximum Value: 1000000 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: TWDB GROUND-WATER DATA SYSTEM
Remarks: NONE

Data Element: 3.3.2 DOS Label: PWSCODE
Extended Label: TNRCC_PUBLIC_WATER_SUPPLY_SOURCE_CODE
Definition: UNIQUE CODE ASSIGNED TO EACH PUBLIC WATER SUPPLY SOURCE
Measurement Determination: ASSIGNED BY TNRCC WATER UTILITIES-MONITORING AND ENFORCEMENT
Def. Source: TNRCC VAP DATA DICTIONARY FOR PUBLIC WATER SUPPLY SOURCES
Attributed Authority: TNRCC
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: CODE LINKED TO PUBLIC WATER SUPPLY SYSTEM IDENTIFICATION NO.
Minimum Value: G0010001A Minimum Value Inclusive: T
Maximum Value: G2549999ZZ Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: T
Categorical Value: TNRCC PWS SOURCE DATA BASE
Remarks:

Data Element: 3.3.3 DOS Label: CCNCODE
Extended Label: TNRCC_CCN
Definition: CERTIFICATE OF CONVENIENCE AND NECESSITY ASSIGNED TO SOME PUBLIC WATER SUPPLY SYSTEMS
Measurement Determination: ASSIGNED BY TNRCC WATER UTILITIES DIVISION
Def. Source: NONE
Attributed Authority: TNRCC
Domain Form: I Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: 00001 Minimum Value Inclusive: T
Maximum Value: 100000 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: TNRCC CCN DATA BASE
Remarks:

Data Element Relationships

Data Element: 3.3.4 DOS Label: UWCDCODE
Extended Label: UNDERGROUND_WATER_CONSERVATION_DISTRICT_CODE
Definition: CODE ASSIGNED BY AN UNDERGROUND WATER CONSERVATION DISTRICT TO THE ENTITY
Measurement Determination: ASSIGNED BY WATER DISTRICT
Def. Source: NONE
Attributed Authority: WATER DISTRICT
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 42
Categorical Value: NONE
Remarks: e.g., HA-405

Data Element: 3.4.1 DOS Label: WELLTYPE
Extended Label: WELL_TYPE
Definition: PRINCIPAL PURPOSE FOR WHICH WELL WAS CONSTRUCTED OR IS NOW USED
Measurement Determination: DETERMINED DURING SITE VISIT OR BY WELL RECORDS
Def. Source: USGS OFR 89-587
Attributed Authority: TWDB/USGS
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: FIELD MAY BE REPEATED FOR MULTIPLE PURPOSES/USES OF WELL
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 16
Categorical Value: GWCODE17 LOOKUP TABLE
Remarks: NONE

Data Element: 3.4.2 DOS Label: WATERUSE
Extended Label: WATER_USE
Definition: INFORMATION PERTAINING TO THE USE OR USES OF WATER FROM ENTITY
Measurement Determination: DETERMINED DURING SITE VISIT OR BY WELL RECORDS
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: TWDB/USGS
Domain Form: A Domain Length: 3 Significant Digits:
Units: NONE
Edits: PRIMARY FOLLOWED BY SECONDARY FOLLOWED BY TERTIARY USE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 20
Categorical Value: GWCODE18 LOOKUP TABLE
Remarks: FORMAT IS PST

Data Element Relationships

Data Element: 3.4.3 DOS Label: LOGTYPE
Extended Label: LOG_TYPE
Definition: TYPE OF ANALOG OR DIGITAL LOGS AVAILABLE FOR ENTITY
Measurement Determination: LOG OF SITE MUST BE ON HAND OR REFERENCED IN A REPORT
Def. Source: EPA 813/B-92-002 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 6 Significant Digits:
Units: NONE
Edits: ONE-LETTER CODE REPEATED FOR UP TO 6 DIFFERENT LOGS
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 23
Categorical Value: GWCODE19 LOOKUP TABLE
Remarks: NONE

Data Element: 3.5.1 DOS Label: BOREDEPH
Extended Label: BOREHOLE_DEPTH_MEASUREMENT
Definition: DEPTH BELOW LAND SURFACE TO WHICH A HOLE WAS DUG/DRILLED OR JETTED
Measurement Determination: BASED ON CONSTRUCTION REPORT OR MEMORY OF OWNER/DRILLER
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: NNNNN.N FORMAT
Minimum Value: 00000.1 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: DEPTH BEFORE ANY BACKFILLING

Data Element: 3.5.2 DOS Label: BDEPHSOU
Extended Label: BOREHOLE_DEPTH_SOURCE
Definition: SOURCE OF THE DEPTH MEASUREMENT FOR BOREHOLE
Measurement Determination: ORGANIZATION/INDIVIDUAL MAKING DEPTH MEASUREMENT/ESTIMATE
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 9
Categorical Value: GWCODE28 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 3.6.1 DOS Label: WELLDEPTH
Extended Label: WELL_DEPTH_MEASUREMENT
Definition: DEPTH BELOW LAND SURFACE TO WHICH ENTITY WAS CONSTRUCTED OR LAST MEASURED DEPTH
Measurement Determination: BASED ON CONSTRUCTION REPORT OR FIELD MEASUREMENT
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: NNNNN.N FORMAT
Minimum Value: 00000.1 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: NONE

Data Element: 3.6.2 DOS Label: WDEPHACC
Extended Label: WELL_DEPTH_ACCURACY
Definition: ESTIMATED GREATEST DEVIATION FROM TRUE VALUE FOR THE WELL DEPTH
Measurement Determination: GREATEST ROOT MEAN SQUARE OF THE ESTIMATED SOURCES OF ERROR
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 6 Significant Digits:
Units: SAME UNITS AS WELL DEPTH MEASUREMENT
Edits: NUMERIC VALUE PREFERRED OVER ACCURACY RANGE CODE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: GWCODE04 LOOKUP TABLE
Remarks: NONE

Data Element: 3.6.3 DOS Label: WDEPTECH
Extended Label: WELL_DEPTH_TECHNOLOGY
Definition: METHOD USED TO DETERMINE DEPTH OF CONSTRUCTED WELL
Measurement Determination: TECHNOLOGY OF METHOD USED
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: MUST BE SPECIFIED FOR ANY VALUE IN WELL DEPTH FIELD
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 5
Categorical Value: GWCODE25 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 3.6.4 DOS Label: WDEPSOUR
Extended Label: WELL_DEPTH_SOURCE
Definition: SOURCE OF THE DEPTH ESTIMATE/MEASUREMENT FOR CONSTRUCTED WELL
Measurement Determination: ORGANIZATION/INDIVIDUAL MAKING DEPTH MEASUREMENT/ESTIMATE
Def. Source: TWDB UM-50
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: MUST BE SPECIFIED FOR ANY VALUE IN WELL DEPTH FIELD
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 9
Categorical Value: GWCODE28 LOOKUP TABLE
Remarks: NONE

Data Element: 3.6.5 DOS Label: WDEPDATE
Extended Label: WELL_DEPTH_DATE
Definition: DATE ON WHICH WELL DEPTH WAS ESTIMATED OR MEASURED
Measurement Determination: CALENDAR
Def. Source: EPA 813/B-92-002 AND FIPS PUB 4-1
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: YEAR (Y); MONTH (M); DAY (D)
Edits: ZEROS FOR UNKNOWN VALUES & AS LEADING VALUES IF MM OR DD<10
Minimum Value: 00010101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: YYYYMMDD FORMAT

Data Element: 4.1.1 DOS Label: COMPLTYP
Extended Label: COMPLETION_TYPE
Definition: METHOD OF FINISH OR NATURE OF OPENING ALLOWING WATER TO ENTER WELL
Measurement Determination: BASED ON WELL CONSTRUCTION REPORT OR PUBLISHED RECORDS
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: ONE SPACE FOR ONE LETTER
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 11
Categorical Value: GWCODE29 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 4.1.2 DOS Label: CONSDATE
Extended Label: CONSTRUCTION_DATE
Definition: DATE THAT WELL CONSTRUCTION WAS COMPLETED
Measurement Determination: CALENDAR
Def. Source: FIPS PUB 4-1
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: YEAR (Y); MONTH (M); DAY (D)
Edits: ZEROS FOR UNKNOWN VALUES & AS LEADING VALUES IF MM OR DD<10
Minimum Value: 00010101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: YYYYMMDD FORMAT

Data Element: 4.1.3 DOS Label: CONSMETH
Extended Label: CONSTRUCTION_METHOD
Definition: METHOD BY WHICH WELL WAS CONSTRUCTED
Measurement Determination: OBTAINED FROM DRILLER'S REPORT, OWNER, OR PUBLISHED REPORT
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: ONE SPACE FOR ONE LETTER
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 12
Categorical Value: GWCODE30 LOOKUP TABLE
Remarks: INDICATE MOST APPROPRIATE CODE

Data Element: 4.1.4 DOS Label: CONSSOUR
Extended Label: CONSTRUCTION_SOURCE
Definition: SOURCE OF THE INFORMATION ON WELL CONSTRUCTION
Measurement Determination: NATURE OF PRIMARY OR SECONDARY SOURCE OF INFORMATION
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: ONE SPACE FOR ONE LETTER
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 11
Categorical Value: GWCODE26 LOOKUP TABLE
Remarks: INDICATE MOST APPROPRIATE CODE

Data Element Relationships

Data Element: 4.2.1 DOS Label: CASEMAT
Extended Label: CASING_MATERIAL
Definition: MATERIAL FROM WHICH THE CASING IS MADE
Measurement Determination: OBTAINED FROM DRILLER'S REPORT, OWNER, OR PUBLISHED REPORT
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: ONE SPACE FOR ONE LETTER
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 13
Categorical Value: GWCODE31 LOOKUP TABLE
Remarks: FIELD CAN BE REPEATED

Data Element: 4.2.2 DOS Label: CASEDIA
Extended Label: CASING_DIAMETER
Definition: OUTSIDE DIAMETER OF CASING
Measurement Determination: OBTAINED FROM DRILLER'S REPORT, OWNER, OR PUBLISHED REPORT
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 5 Significant Digits:
Units: SPECIFY INCHES OR MM; INCHES PREFERRED
Edits: NNNN.N FORMAT
Minimum Value: 0000.1 Minimum Value Inclusive: T
Maximum Value: 10000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: FIELD CAN BE REPEATED

Data Element: 4.2.3 DOS Label: TOCINTER
Extended Label: TOP_OF_CEMENTED_INTERVAL
Definition: DEPTH BELOW GROUND SURFACE OF THE TOP OF THE CEMENTED INTERVAL
Measurement Determination: OBTAINED FROM DRILLER'S RPT, OWNER, PUBLISHED RPT OR LOG
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: NNNNN.N FORMAT
Minimum Value: 0 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: FIELD CAN BE REPEATED

Data Element Relationships

Data Element: 4.2.4 DOS Label: BOCINTER
Extended Label: BOTTOM_OF_CEMENTED_INTERVAL
Definition: DEPTH BELOW GROUND SURFACE OF THE BOTTOM OF THE CEMENTED INTERVAL
Measurement Determination: OBTAINED FROM DRILLER'S RPT, OWNER, PUBLISHED RPT OR LOG
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: NNNNN.N FORMAT
Minimum Value: 00000.1 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: FIELD CAN BE REPEATED

Data Element: 4.3.1 DOS Label: TOPOPEN
Extended Label: TOP_OF_OPENING
Definition: TOP OF AN OPEN INTERVAL OR SCREENED SECTION
Measurement Determination: OBTAINED FROM DRILLER'S RPT, OWNER, PUBLISHED RPT OR LOG
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: NNNNN.N FORMAT
Minimum Value: 0 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: FIELD CAN BE REPEATED

Data Element: 4.3.2 DOS Label: BOTOPEN
Extended Label: BOTTOM_OF_OPENING
Definition: BOTTOM OF AN OPEN INTERVAL OR SCREENED SECTION
Measurement Determination: OBTAINED FROM DRILLER'S RPT, OWNER, PUBLISHED RPT OR LOG
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: NNNNN.N FORMAT
Minimum Value: 00000.1 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: FIELD CAN BE REPEATED

Data Element Relationships

Data Element: 4.4.1 DOS Label: LIFTTYPE
Extended Label: LIFT_TYPE
Definition: TYPE OF PUMP OR LIFT USED TO BRING WATER TO THE SURFACE
Measurement Determination: OBSERVATION AT THE WELL SITE OR PUBLISHED INFORMATION
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: ONE SPACE FOR ONE LETTER
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 11
Categorical Value: GWCODE34 LOOKUP TABLE
Remarks: NONE

Data Element: 4.4.2 DOS Label: LIFTPOWR
Extended Label: LIFT_POWER_TYPE
Definition: TYPE OF POWER USED TO LIFT THE WATER FROM THE WELL
Measurement Determination: OBSERVATION AT THE WELL SITE OR PUBLISHED INFORMATION
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: ONE SPACE FOR ONE LETTER
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 8
Categorical Value: GWCODE35 LOOKUP TABLE
Remarks: NONE

Data Element: 4.4.3 DOS Label: LIFTPCAP
Extended Label: LIFT_POWER_CAPACITY
Definition: HORSEPOWER RATING OF THE PRIMARY POWER SOURCE
Measurement Determination: OBSERVATION, OWNER, OR PUBLISHED DATA
Def. Source: TWDB UM-50
Attributed Authority: NONE
Domain Form: R Domain Length: 7 Significant Digits:
Units: HORSEPOWER
Edits: FORMAT IS NNNNN.NN; INDICATE 0.00 IF UNKNOWN
Minimum Value: 00000.00 Minimum Value Inclusive: T
Maximum Value: 10000.00 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 4.5.4 DOS Label: YLDSOUR
Extended Label: YIELD_SOURCE
Definition: INDIVIDUAL/ORGANIZATION REPORTING YIELD OF WELL
Measurement Determination: PERSON COMPLETING THE YIELD SECTION OF THE WELL RECORD
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 4.5.5 DOS Label: DISCTYPE
Extended Label: DISCHARGE_TYPE
Definition: TYPE OF DISCHARGE RECORDED IN YIELD MEASUREMENT FIELD
Measurement Determination: PERSON COLLECTING THE DATA
Def. Source: USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: F = FLOW DISCHARGE; P = PUMPED DISCHARGE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 2
Categorical Value: NONE
Remarks: ONLY TWO POSSIBILITIES

Data Element: 4.5.6 DOS Label: PUMPPERI
Extended Label: PUMPING_PERIOD
Definition: LENGTH OF TIME WELL PUMPED PRIOR TO DISCHARGE MEASUREMENT
Measurement Determination: PERSON MAKING TEST, OWNER, OR PUBLISHED DATA
Def. Source: USGS OFR 89-587
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: HOURS
Edits: DECIMAL PROVIDED FOR TIMES SHORTER THAN ONE HOUR
Minimum Value: 00000.1 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 4.5.7 DOS Label: SPECCAPA
Extended Label: SPECIFIC_CAPACITY
Definition: GALLONS PER MINUTE PER FOOT OF DRAWDOWN
Measurement Determination: PERFORMANCE TEST RESULTS OR FROM PUBLISHED DATA
Def. Source: USGS OFR 89-587
Attributed Authority: NONE
Domain Form: R Domain Length: 8 Significant Digits:
Units: GALLONS PER MINUTE PER FOOT DRAWDOWN
Edits: NONE
Minimum Value: 000000.01 Minimum Value Inclusive: T
Maximum Value: 1000000.00 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element: 4.5.8 DOS Label: DRAWDOWN
Extended Label: DRAWDOWN
Definition: PUMPING WATER LEVEL MINUS WATER STATIC LEVEL
Measurement Determination: PERSON MAKING MEASUREMENT OR FROM PUBLISHED DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 6 Significant Digits:
Units: FEET
Edits: REQUIRED IF STATIC AND PUMPING LEVELS ENTERED
Minimum Value: 00000.1 Minimum Value Inclusive: T
Maximum Value: 100000.0 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element: 5.1.1 DOS Label: AQUICODE
Extended Label: AQUIFER_CODE
Definition: PRIMARY AQUIFER FROM WHICH WATER IS OBTAINED
Measurement Determination: BASED ON INTERPRETATION BY GEOLOGIST OR DRILLER
Def. Source: TWDB UM-50 AND USGS CIRCULAR 878-C
Attributed Authority: TWDB
Domain Form: A Domain Length: 8 Significant Digits:
Units: NONE
Edits: 3 DIGITS ARE ERATHEM, SYSTEM, SERIES; LETTERS ARE STRAT UNIT
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: T
Categorical Value: GWCODE37 LOOKUP TABLE
Remarks: MODIFIED USGS AQUIFER CODES

Data Element Relationships

Data Element: 5.1.2 DOS Label: AQNAMMET
Extended Label: AQUIFER_NAME_METHOD
Definition: PRINCIPAL METHODOLOGY BY WHICH AQUIFER WAS DETERMINED
Measurement Determination: METHOD USED TO DETERMINE PRIMARY AQUIFER
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 10
Categorical Value: GWCODE27 LOOKUP TABLE
Remarks: NONE

Data Element: 5.1.3 DOS Label: AQNAMSOU
Extended Label: AQUIFER_NAME_SOURCE
Definition: ORGANIZATION DETERMINING PRIMARY AQUIFER FROM WHICH WATER OBTAINED
Measurement Determination: PERSON MAKING AQUIFER DETERMINATION
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 5.2.1 DOS Label: PORVALUE
Extended Label: POROSITY_VALUE
Definition: RATIO OF VOID SPACE TO THE TOTAL VOLUME OF CONCERN
Measurement Determination: ESTIMATED, MEASURED OR CALCULATED
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 4 Significant Digits: 3
Units: NONE
Edits: PERCENTAGE EXPRESSED TO THREE DIGITS AS A DECIMAL FRACTION
Minimum Value: 0.001 Minimum Value Inclusive: T
Maximum Value: 1.000 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 5.2.2 DOS Label: PORMETH
Extended Label: POROSITY_METHOD
Definition: METHODOLOGY BY WHICH POROSITY WAS OBTAINED
Measurement Determination: PERSON MAKING POROSITY ESTIMATE, MEASUREMENT OR CALCULATION
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 7
Categorical Value: GWCODE38 LOOKUP TABLE
Remarks: NONE

Data Element: 5.2.3 DOS Label: PORSOUR
Extended Label: POROSITY_SOURCE
Definition: ORGANIZATION OF INDIVIDUAL DETERMINING THE POROSITY VALUE
Measurement Determination: PERSON MAKING POROSITY DETERMINATION
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 5.3.1 DOS Label: HYCONVAL
Extended Label: HYDRAULIC_CONDUCTIVITY_VALUE
Definition: VOLUME MOVING IN UNIT TIME UNDER UNIT HYDRAULIC GRADIENT THROUGH UNIT AREA
PERPENDICULAR TO DIRECTION OF FLOW
Measurement Determination: PERSON MAKING CALCULATION OR FROM PUBLISHED DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 12 Significant Digits: 4
Units: GALLONS/DAY
Edits: NONE
Minimum Value: .0001 Minimum Value Inclusive: T
Maximum Value: 10000000 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 5.3.2 DOS Label: HYCONMET
Extended Label: HYDRAULIC_CONDUCTIVITY_METHOD
Definition: METHODOLOGY BY WHICH HYDAULIC CONDUCTIVITY WAS DETERMINED
Measurement Determination: PERSON MAKING CALCULATION OR FROM PUBLISHED DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 7
Categorical Value: GWCODE40 LOOKUP TABLE
Remarks: NONE

Data Element: 5.3.3 DOS Label: HYCONSOU
Extended Label: HYDRAULIC_CONDUCTIVITY_SOURCE
Definition: AGENCY OR ENTITY DETERMINING HYDRAULIC CONDUCTIVITY
Measurement Determination: PERSON MAKING HYDRAULIC CONDUCTIVITY DETERMINATION
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 5.4.1 DOS Label: TRANVALU
Extended Label: TRANSMISSIVITY_VALUE
Definition: RATE OF TRANSMISSION THROUGH THE UNIT WIDTH OF GEOHYDROLOGIC UNIT UNDER
UNIT HYDRAULIC GRADIENT
Measurement Determination: PERSON CALCULATING TRANSMISSIVITY OR FROM PUBLISHED DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 7 Significant Digits:
Units: SQUARE FEET/DAY
Edits: NONE
Minimum Value: 0 Minimum Value Inclusive: T
Maximum Value: 10000000 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 5.4.2 DOS Label: TRANSMETH
Extended Label: TRANSMISSIVITY_METHOD
Definition: METHODOLOGY BY WHICH TRANSMISSIVITY WAS DETERMINED
Measurement Determination: PERSON CALCULATING TRANSMISSIVITY OR FROM PUBLISHED DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 7
Categorical Value: GWCODE41 LOOKUP TABLE
Remarks: NONE

Data Element: 5.4.3 DOS Label: TRANSOUR
Extended Label: TRANSMISSIVITY_SOURCE
Definition: AGENCY OR ENTITY DETERMINING TRANSMISSIVITY
Measurement Determination: PERSON MAKING THE TRANSMISSIVITY DETERMINATION
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 5.5.1 DOS Label: STORCOVA
Extended Label: STORAGE_COEFFICIENT_VALUE
Definition: VOLUME A GEOHYDROLOGIC UNIT RELEASES FROM OR TAKES INTO STORAGE/ UNIT SURFACE AREA OF THE GEOHYDROLOGIC UNIT / UNIT CHANGE IN HEAD
Measurement Determination: PERSON DETERMINING STORAGE COEFFICIENT OR PUBLISHED DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 8 Significant Digits: 7
Units: DIMENSIONLESS
Edits: NONE
Minimum Value: .0000001 Minimum Value Inclusive: T
Maximum Value: 1.0000001 Maximum Value Inclusive: F
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 5.5.2 DOS Label: STORCOME
Extended Label: STORAGE_COEFFICIENT_METHOD
Definition: METHODOLOGY BY WHICH STORAGE COEFFICIENT WAS DETERMINED
Measurement Determination: PERSON DETERMINING STORAGE COEFFICIENT OR PUBLISHED DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 5
Categorical Value: GWCODE42 LOOKUP TABLE
Remarks: NONE

Data Element: 5.5.3 DOS Label: STORCOSO
Extended Label: STORAGE_COEFFICIENT_SOURCE
Definition: AGENCY OR ENTITY THAT DETERMINED THE STORAGE COEFFICIENT
Measurement Determination: PERSON MAKING THE STORAGE COEFFICIENT DETERMINATION
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 5.6.1 DOS Label: DEGCONFI
Extended Label: DEGREE_OF_CONFINEMENT
Definition: GENERAL CHARACTERIZATION OF GROUND-WATER CONDITIONS IN THE PRODUCING
AQUIFER(S)
Measurement Determination: PERSON INTERPRETING WELL OR AQUIFER TEST DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 4
Categorical Value: GWCODE43 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 5.6.2 DOS Label: DEGCONME
Extended Label: DEGREE_OF_CONFINEMENT_METHOD
Definition: METHODOLOGY BY WHICH DEGREE OF CONFINEMENT WAS DETERMINED
Measurement Determination: PERSON INTERPRETING WELL OR AQUIFER TEST DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 6
Categorical Value: GWCODE44 LOOKUP TABLE
Remarks: NONE

Data Element: 5.6.3 DOS Label: DEGCONSO
Extended Label: DEGREE_OF_CONFINEMENT_SOURCE
Definition: AGENCY OR ENTITY THAT DETERMINED THE DEGREE OF CONFINEMENT
Measurement Determination: PERSON INTERPRETING WELL OR AQUIFER TEST DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 5.7.1 DOS Label: AQUITEST
Extended Label: AQUIFER_TEST
Definition: DATA IN SUPPORT OF AN AQUIFER TEST
Measurement Determination: PERSON COLLECTING THE DATA
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 5
Categorical Value: GWCODE45 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 6.1.1 DOS Label: STWATLEV
Extended Label: STATIC_WATER_LEVEL_MEASUREMENT
Definition: STATIC WATER LEVEL RELATIVE TO LAND SURFACE
Measurement Determination: PERSON MAKING MEASUREMENT OR FROM PUBLISHED DATA
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: FORMAT -NNNN.NN BELOW OR +NNNN.NN ABOVE LAND SURFACE
Minimum Value: +9999.99 Minimum Value Inclusive: T
Maximum Value: -9999.99 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element: 6.1.2 DOS Label: SWLACCUR
Extended Label: WATER_LEVEL_ACCURACY
Definition: ESTIMATED GREATEST DEVIATION FROM TRUE VALUE FOR STATIC WATER LEVEL
Measurement Determination: GREATEST ROOT MEAN SQUARE OF THE ESTIMATED SOURCES OF ERROR
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: SAME AS STATIC WATER LEVEL MEASUREMENT
Edits: FORMAT NN.NN OR ACCURACY RANGE CODE; NUMBER PREFERRED
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: GWCODE04 LOOKUP TABLE
Remarks: +/- NN.NN UNITS OR ACCURACY RANGE

Data Element: 6.1.3 DOS Label: WATLEVME
Extended Label: WATER_LEVEL_MEASUREMENT_METHOD
Definition: METHOD USED TO MEASURE STATIC WATER LEVEL
Measurement Determination: PERSON MAKING MEASUREMENT OR FROM PUBLISHED DATA
Def. Source: USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 14
Categorical Value: GWCODE39 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 6.1.4 DOS Label: WATLEVDA
Extended Label: WATER_LEVEL_MEASUREMENT_DATE
Definition: DATE ON WHICH STATIC WATER LEVEL WAS MEASURED
Measurement Determination: CALENDAR
Def. Source: EPA 813/B-92-002 AND FIPS PUB 4-1
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: YEAR (Y); MONTH (M); DAY (D)
Edits: ZEROS FOR UNKNOWN VALUES AND AS LEADING DIGIT IF DD OR MM<10
Minimum Value: 00010101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: YYYYMMDD FORMAT

Data Element: 6.1.5 DOS Label: WATLEVTI
Extended Label: WATER_LEVEL_MEASUREMENT_TIME
Definition: TIME OF DAY AT WHICH STATIC WATER LEVEL WAS MEASURED
Measurement Determination: CLOCK
Def. Source: FIPS PUB 58-1
Attributed Authority: NONE
Domain Form: A Domain Length: 4 Significant Digits:
Units: UNIVERSAL STANDARD TIME
Edits: 24-HOUR HHMM FORMAT
Minimum Value: 0000 Minimum Value Inclusive: T
Maximum Value: 2359 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: 1440
Categorical Value: NONE
Remarks: CONVERT FROM LOCAL TIME - GWCODE 08

Data Element: 6.2.1 DOS Label: WELLSTAT
Extended Label: WELL_SITE_STATUS
Definition: STATUS OF THE SITE AT THE TIME MEASURED
Measurement Determination: PERSON MAKING MEASUREMENT OR FROM PUBLISHED DATA
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: R Domain Length: 2 Significant Digits:
Units: NONE
Edits: MEASUREMENT IS STATIC LEVEL IF NO SITE STATUS ENTERED
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 18
Categorical Value: GWCODE46 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 6.2.2 DOS Label: WLMEASOR
Extended Label: WATER_LEVEL_MEASURING_ORGANIZATION
Definition: SOURCE OF WATER LEVEL MEASUREMENT
Measurement Determination: PERSON MAKING MEASUREMENT OR FROM PUBLISHED DATA
Def. Source: TWDB UM-50 AND USGS OFR 89-587
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element: 7.1.1 DOS Label: SCN
Extended Label: SAMPLE_CONTROL_NUMBER
Definition: UNIQUE NUMBER OR CODE ASSIGNED TO SAMPLE
Measurement Determination: NUMBER ASSIGNED BY SAMPLE COLLECTOR AT THE SITE
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 15 Significant Digits:
Units: NONE
Edits: UNLIMITED NUMBER OF POSSIBLE VALUES
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: NONE

Data Element: 7.1.2 DOS Label: SAMPDATE
Extended Label: SAMPLE_DATE
Definition: THE DATE THE SAMPLE WAS COLLECTED
Measurement Determination: CALENDAR
Def. Source: EPA 813/B-92-002 AND FIPS PUB 4-1
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: YEAR (Y); MONTH (M); DAY (D)
Edits: ZEROS FOR UNKNOWN VALUES AND AS LEADING DIGIT IF DD OR MM<10
Minimum Value: 00010101 Minimum Value Inclusive: T
Maximum Value: CURRENT DATE Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: YYYYMMDD FORMAT

Data Element Relationships

Data Element: 7.1.3 DOS Label: SAMPTIME
Extended Label: SAMPLE_TIME
Definition: TIME OF DAY THAT THE SAMPLE WAS COLLECTED
Measurement Determination: CLOCK
Def. Source: FIPS PUB 58-1
Attributed Authority: NONE
Domain Form: A Domain Length: 4 Significant Digits:
Units: UNIVERSAL STANDARD TIME
Edits: 24-HOUR HHMM FORMAT
Minimum Value: 0000 Minimum Value Inclusive: T
Maximum Value: 2359 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: 1440
Categorical Value: NONE
Remarks: CONVERT FROM LOCAL TIME - GWCODE 08

Data Element: 7.1.4 DOS Label: NUMSAMP
Extended Label: NUMBER_SAMPLES
Definition: NUMBER OF SAMPLES TAKEN FROM THE SAME SAMPLING POINT ON THE SAME DAY
Measurement Determination: PERSON COLLECTING SAMPLE
Def. Source: NONE
Attributed Authority: NONE
Domain Form: I Domain Length: 2 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: 1 Minimum Value Inclusive: T
Maximum Value: 99 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element: 7.1.5 DOS Label: COLLORG
Extended Label: COLLECTING_ORGANIZATION
Definition: ORGANIZATION RESPONSIBLE FOR SAMPLING
Measurement Determination: PERSON COLLECTING SAMPLE
Def. Source: NONE
Attributed Authority: NONE
Domain Form: A Domain Length: 5 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 43
Categorical Value: GWCODE05 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 7.1.6 DOS Label: SAMPDEPH
Extended Label: SAMPLE_DEPTH_MEASUREMENT
Definition: DEPTH FROM LAND SURFACE AT WHICH SAMPLE WAS TAKEN
Measurement Determination: PERSON COLLECTING SAMPLE
Def. Source: NONE
Attributed Authority: NONE
Domain Form: R Domain Length: 8 Significant Digits:
Units: SPECIFY FEET OR METERS; FEET PREFERRED
Edits: DEPTH TO WATER PRECEDED BY A MINUS SIGN
Minimum Value: -00000.1 Minimum Value Inclusive: T
Maximum Value: -99999.9 Maximum Value Inclusive: T
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: NONE

Data Element: 7.1.7 DOS Label: SAMPAQUI
Extended Label: SAMPLE_AQUIFER
Definition: AQUIFER FROM WHICH SAMPLE TAKEN
Measurement Determination: PERSON COLLECTING SAMPLE
Def. Source: TWDB UM-50 AND USGS CIRCULAR 878-C
Attributed Authority: TWDB
Domain Form: A Domain Length: 8 Significant Digits:
Units: NONE
Edits: 3 DIGITS ARE ERATHEM, SYSTEM, SERIES; LETTERS ARE STRAT.UNIT
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: T
Categorical Value: GWCODE37 LOOKUP TABLE
Remarks: MODIFIED USGS AQUIFER CODES

Data Element: 8.1.1 DOS Label: ANALYCOD
Extended Label: ANALYTICAL_CODE
Definition: CONSTITUENT OR PARAMETER MEASURED
Measurement Determination: ANALYTICAL LABORATORY
Def. Source: EPA 813/B-52-002
Attributed Authority: NONE
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: CAS NUMBERS SEPARATED BY HYPHENS; 5 DIGITS FOR STORET CODES
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 8.1.2 DOS Label: ACODESYS
Extended Label: ANALYTICAL_CODING_SYSTEM
Definition: SYSTEM USED TO IDENTIFY ANALYZED PARAMETERS
Measurement Determination: NONE
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 3
Categorical Value: GWCODE47 LOOKUP TABLE
Remarks: NONE

Data Element: 8.1.3 DOS Label: ANALYMEA
Extended Label: ANALYTICAL_MEASUREMENT
Definition: CONCENTRATION/VALUE OF WATER QUALITY PARAMETER OBTAINED FROM
LABORATORY/FIELD ANALYSIS
Measurement Determination: PERSON PERFORMING ANALYSIS
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 8 Significant Digits:
Units: MILLIGRAMS PER LITER
Edits: ENTER SIGNIFICANT DIGITS APPROPRIATE FOR ANALYTICAL ACCURACY
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element: 8.1.4 DOS Label: ANALYMEH
Extended Label: ANALYTICAL_METHOD
Definition: METHOD OF ANALYSIS USED TO DETERMINE CONCENTRATION/VALUE FOR A SPECIFIC
WATER-QUALITY PARAMETER
Measurement Determination: DETERMINED BY ANALYST OR LABORATORY
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 10 Significant Digits:
Units: NONE
Edits: CODE DETERMINED FROM PUBLISHED FIELD/LAB METHODS BOOKS
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: T
Categorical Value: NONE
Remarks: NONE

Data Element Relationships

Data Element: 8.1.5 DOS Label: AMETHSOU
Extended Label: ANALYTICAL_METHOD_SOURCE
Definition: ORGANIZATION WHICH PUBLISHED ANALYTICAL METHOD
Measurement Determination: DETERMINED BY ANALYST OR LABORATORY
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 7
Categorical Value: GWCODE48 LOOKUP TABLE
Remarks: NONE

Data Element: 8.1.6 DOS Label: ANALYLAB
Extended Label: ANALYTICAL_LABORATORY
Definition: LABORATORY WHICH PERFORMED ANALYSIS
Measurement Determination: DETERMINED BY ANALYST OR FROM PUBLISHED DATA
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 2 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 31
Categorical Value: GWCODE52 LOOKUP TABLE
Remarks: NONE

Data Element: 8.2.1 DOS Label: RESQUACO
Extended Label: RESULTS_QUALIFIER_CODE
Definition: QUALIFYING INFORMATION FOR INTERPRETATION OF CONCENTRATION/VALUE
Measurement Determination: BASED ON LAB RESULTS AND METHODS USED
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 3 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 7
Categorical Value: GWCODE49 LOOKUP TABLE
Remarks: NONE

Data Element Relationships

Data Element: 8.2.2 DOS Label: RQUALLIM
Extended Label: RESULTS_QUALIFIER_LIMIT
Definition: ANALYTICAL DETECTION LIMIT IN LABORATORY
Measurement Determination: LABORATORY METHOD USED
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: R Domain Length: 10 Significant Digits:
Units: MILLIGRAMS PER LITER
Edits: FORMAT NN.NNNNNNNN
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: F
Categorical Value: NONE
Remarks: NONE

Data Element: 8.3.1 DOS Label: FPROTPLN
Extended Label: FIELD_PROTOCOL_PLAN
Definition: DEGREE OF SOPHISTICATION OF PROTOCOL FOR FIELD SAMPLING
Measurement Determination: BASED ON FIELD METHODS USED
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 5
Categorical Value: GWCODE50 LOOKUP TABLE
Remarks: NONE

Data Element: 8.3.2 DOS Label: LQAQCPRO
Extended Label: LABORATORY_QA/QC_PROCEDURES
Definition: DEGREE OF SOPHISTICATION OF PROTOCOL FOR LABORATORY PROCEDURES
Measurement Determination: LAB QA/QC PLAN AND DATA COLLECTOR
Def. Source: EPA 813/B-92-002
Attributed Authority: NONE
Domain Form: A Domain Length: 1 Significant Digits:
Units: NONE
Edits: NONE
Minimum Value: NONE Minimum Value Inclusive:
Maximum Value: NONE Maximum Value Inclusive:
Typical Value: NONE Value Limited?: 6
Categorical Value: GWCODE51 LOOKUP TABLE
Remarks: NONE

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GWCODE 01 - HORIZONTAL DATUMS

CODE	DESCRIPTION	COMMENTS
00	Datum unknown	
27	North American Datum of 1927	Abbreviated "NAD27"
83	North American Datum of 1983	Abbreviated "NAD83"

GWCODE 02 - VERTICAL DATUMS

CODE	DESCRIPTION
00	Datum unknown
29	North American Vertical Datum of 1929
88	North American Vertical Datum of 1988
10	Not applicable
11	Other (Explain in Remarks)

GWCODE 03 - POSITIONAL METHODS

CODE	DESCRIPTION	COMMENTS
ADDMAT-1	Address-matched to house number	Specify software used
ADDMAT-2	Address-matched to block face	Specify software used
ADDMAT-3	Address-matched to street centerline	Specify software used
ADDMAT-4	Address-matched to nearest intersection	Specify software used
ADDMAT-5	Address-matched to primary name	Specify software used
ADDMAT-6	Address-matched - Digitized	Specify software used
ADDMAT-O	Address-matched - Other	Specify software & method used
ADDMAT-U	Address-matched - Specific method unknown	Specify software if known
ALT-NAV1	Altimeter - Single reading	No correction with a base station
ALT-NAV2	Altimeter - Averaged readings	Specify number of readings averaged
ALT-SUR	Altimeter - Differential mode	Comparison with altimeter at benchmark
ALT-U	Altimeter - Unknown method	
APHOTO-D	Digital orthophoto interpolation	Specify method used
APHOTO-R	Rectified aerial photograph interpolation	Specify method used
APHOTO-S	Scaled aerial photograph interpolation	Specify method used
APHOTO-U	Aerial photography interpolation - Unknown method	
CAD-SUR	Cadastral survey	Specify order and class of benchmark
CEN90-1	1990 Census Block - Centroid	Specify software & census version used
CEN90-2	1990 Census Block/Group - Centroid	Specify software & census version used
CEN90-3	1990 Census Block Tract - Centroid	Specify software & census version used
CEN90-O	1990 Census - Other	Specify software, version, & method

GWCODE 03 - POSITIONAL METHODS

CODE	DESCRIPTION	COMMENTS
CEN90-U	1990 Census - Specific method unknown	Specify software & version if known
GPS-NAV1	Global Positioning System - Single reading or absolute mode	
GPS-NAV2	Global Positioning System - Averaged mode	Specify number of readings averaged
GPS-O	Global Positioning System - Other method	Describe method used
GPS-SUR1	Global Positioning System - Differential postprocessing	Specify software used
GPS-SUR2	Global Positioning System - Differential real-time corrected	Correction with radio transmitted signal
GPS-U	Global Positioning System - Unknown method	
LORAN-C	LORAN-C navigation devices or radiotriangulation	Specify method used
MAP-D	Map interpolation - Digital method	Use of computer digitizer
MAP-M	Map interpolation - Manual method	Measurements with eng scale
MAP-U	Map interpolation - Unknown method	
OTHER	Other method not specified with a technology code	Describe method used
RMTSEN-O	Remote sensing -Other	Specify method(s) used
SBSCONV	Conversion from Section/Block survey system	Specify method used
SIMAGE-D	Satellite image - Digital orthophotograph	Specify method and space platform
SIMAGE-R	Satellite image - Rectified image	Specify method and space platform
SIMAGE-S	Satellite image - Scaled image	Specify method and space platform
SIMAGE-U	Satellite image - Unknown method	
SPCSCONV	Conversion from State Plane Coordinate System	Specify state plane zone
UNKNOWN	Method unknown	
UTMCONV	Conversion from Universal Transverse Mercator coordinates	Specify computer program used
ZIP-1	Zip code centroid	Specify method used

GWCODE 04 - ACCURACY RANGES

CODE	DESCRIPTION
A	Within 0.01 FT or 0.003 M
B	Within 0.1 FT or 0.03 M
C	Within 0.33 FT or 0.1 M
D	Within 1 FT or 0.3 M
E	Within 2 FT or 0.7 M
F	Within 3 FT or 1 M
G	Within 5 FT or 3.7 M
H	Within 10 FT or 3 M

GWCODE 04 - ACCURACY RANGES

CODE	DESCRIPTION
I	Within 20 FT or 6 M
J	Within 50 FT or 15 M
K	Within 100 FT, 30 M, or 1 second of latitude
L	Within 1,000 FT, 300 M, or 10 seconds of latitude
M	Within 5,000 FT, 1,500 M, or 1 minute of latitude
N	Within 10,000 FT, 3,000 M, or 2 minutes of latitude
O	Greater than 10,000 FT, 3,000 M, or 2 minutes of latitude
U	Unknown

GWCODE 05 - INFORMATION SOURCES

CODE	DESCRIPTION
BEG	Texas Bureau of Economic Geology
CNTY	County government
COG	Regional Council of Government
COMM	Commercial engineering or environmental firm
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DRILL	Water well driller
DUN	Dun and Bradstreet Directory
EPA	U.S. Environmental Protection Agency
GLO	Texas General Land Office
INST	Academic or other institution
MUNI	Municipal government
NASA	National Aeronautics and Space Administration
NOAA	National Oceanic and Atmospheric Administration
NPS	U.S. National Park Service
NRCS	Natural Resources Conservation Service (formerly SCS)
OTHER	Other agency or individual-Describe in remarks
OWNER	Well owner
PWS	Public water supply system
RIVER	River authority
RRC	Railroad Commission of Texas
SUB	Subsidence district
TDA	Texas Department of Agriculture
TDH	Texas Department of Health
TFS	Texas Forest Service
TNG	Texas National Guard

GWCODE 05 - INFORMATION SOURCES

CODE	DESCRIPTION
TNRCC	Texas Natural Resource Conservation Commission
TNRIS	Texas Natural Resources Information System
TPWD	Texas Parks and Wildlife Department
TSWCB	Texas State Soil and Water Conservation Board
TWDB	Texas Water Development Board
TXDOT	Texas Department of Transportation
UNK	Unknown source
USBM	U.S. Bureau of Mines
USBR	U.S. Bureau of Reclamation
USBS	U.S. Biological Survey
USCG	U.S. Coast Guard
USCOE	U.S. Army Corps of Engineers
USDOT	U.S. Department of Transportation
USFS	U.S. Forest Service
USGS	U.S. Geological Survey
UTILY	Utility district
UWCD	Underground water conservation district

GWCODE 06 - DATA INTEGRITY

CODE	DESCRIPTION
C1	Field checked once
C2	Field checked twice
C3	Field checked three or more times
P1	Point in zip code polygon
P2	Point in county polygon
P3	Point in other polygon
O	Verified with orthophotography
G	Verified with Global Positioning System
R1	Verified relative to 1:100,000 map features
R2	Verified relative to 1:24,000 map features
R3	Verified relative to other scale map features
L	Verified by unknown method
M	Not verified
X1	Proximity to zip code polygon centroid
X2	Proximity to county centroid
X3	Proximity to other polygon centroid
Z	Data reliability unknown

GWCODE 07 - SOURCE MATERIAL SCALES

CODE	DESCRIPTION	COMMENTS
1	>= 1:500	
2	1:501-1:5,000	
3	1:5,001-1:10,000	
4	1:10,001-1:15,000	
5	1:15,001-1:20,000	
6	1:20,001-1:25,000	
7	1:25,001-1:50,000	
8	1:50,001-1:100,000	
9	< 1:100,000	
10,000	1:10,000	
12,000	1:12,000	Quarter quad
15,840	1:15,840	
20,000	1:20,000	
24,000	1:24,000	7.5 x 7.5 minute map series
25,000	1:25,000	7.5 x 15 minute map series
50,000	1:50,000	
62,500	1:62,500	15 x 15 minute map series
63,360	1:63,360	
100,000	1:100,000	30 x 60 minute map series
125,000	1:125,000	
250,000	1:250,000	1 x 2 degree map series
500,000	1:500,000	
NA	Not applicable	
O	Other	Describe scale
UNK	Unknown	

GWCODE 08 - CONVERSION TO UNIVERSAL STANDARD TIME

LOCAL TIME-CDT	LOCAL TIME-CST OR MDT	LOCAL TIME-MST	UNIVERSAL TIME
7:00 PM	6:00 PM	5:00 PM	0000
8:00 PM	7:00 PM	6:00 PM	0100
9:00 PM	8:00 PM	7:00 PM	0200
10:00 PM	9:00 PM	8:00 PM	0300
11:00 PM	10:00 PM	9:00 PM	0400
Midnight	11:00 PM	10:00 PM	0500
1:00 AM	Midnight	11:00 PM	0600
2:00 AM	1:00 AM	Midnight	0700
3:00 AM	2:00 AM	1:00 AM	0800
4:00 AM	3:00 AM	2:00 AM	0900
5:00 AM	4:00 AM	3:00 AM	1000
6:00 AM	5:00 AM	4:00 AM	1100
7:00 AM	6:00 AM	5:00 AM	1200
8:00 AM	7:00 AM	6:00 AM	1300
9:00 AM	8:00 AM	7:00 AM	1400
10:00 AM	9:00 AM	8:00 AM	1500
11:00 AM	10:00 AM	9:00 AM	1600
Noon	11:00 AM	10:00 AM	1700
1:00 PM	Noon	11:00 AM	1800
2:00 PM	1:00 PM	Noon	1900
3:00 PM	2:00 PM	1:00 PM	2000
4:00 PM	3:00 PM	2:00 PM	2100
5:00 PM	4:00 PM	3:00 PM	2200
6:00 PM	5:00 PM	4:00 PM	2300

GWCODE 09 - ENTITY DESCRIPTIONS

CODE	DESCRIPTION
A	Polygonal area
L	Line
P	Point

GWCODE 10 - ENTITY DESCRIPTIONS

CODE	DESCRIPTION	CODE	DESCRIPTION
AB	Administrative building	BP	Booster pump
CA-C	Cave - Centroid	CA-E	Cave entrance
CC	Cross connection	CL-C	Clarifier - centroid
CW-C	Clear well - Centroid	CW-D	Clear well - Discharge point
E-CL	East corner of land parcel	FC	Facility centroid
FI-C	Filter - Centroid	IG-C	Infiltration gallery - Centroid
IG-O	Infiltration gallery - Opening	LS-W	Lift station - Water
LS-WW	Lift station - Wastewater	MT	Mine tunnel entrance
N-CL	North corner of land parcel	NE-CL	Northeast corner of land parcel
NW-CL	Northwest corner of land parcel	PC	Plant centroid
PF	Plant entrance - Freight	PG	Plant entrance - General
PP	Plant entrance - Personnel	PT	Pressure tank
S-CL	South corner of land parcel	SB	Soil boring
SE-CL	Southeast corner of land parcel	SP-D	Spring - Focused discharge point
SP-SL	Lagoon or settling pond - Sludge	SP-W	Lagoon or settling pond - Water
SP-WW	Lagoon or settling pond - Wastewater	ST-EW	Elevated storage tank - Water
ST-GP	Ground storage tank - Petrochemical	ST-GW	Ground storage tank - Water
ST-UP	Underground storage tank - Petrochemical	ST-UW	Underground storage tank - Water
SW	Seismic well/boring	SW-CL	Southwest corner of land parcel
W	Well	W-CL	West corner of land parcel

GWCODE 11 - ALTITUDE MEASURING POINTS

CODE	DESCRIPTION
A	Airline
C	Top of well casing
K	Kelly bushing
L	Land or ground surface
O	Other; specify in remarks
U	Underground surface (e.g., caves)

GWCODE 12 - STATES

CODE	DESCRIPTION	CODE	DESCRIPTION
AK	Alaska	AL	Alabama
AR	Arkansas	AS	American Samoa
AZ	Arizona	CA	California
CO	Colorado	CT	Connecticut
DC	District of Columbia	DE	Delaware
FL	Florida	FM	Federated States of Micronesia
GA	Georgia	GU	Guam
HI	Hawaii	IA	Iowa
ID	Idaho	IL	Illinois
IN	Indiana	KS	Kansas
KY	Kentucky	LA	Louisiana
MA	Massachusetts	MD	Maryland
ME	Maine	MH	Marshall Islands, Republic of the
MI	Michigan	MN	Minnesota
MO	Missouri	MP	Northern Mariana Islands
MS	Mississippi	MT	Montana
NC	North Carolina	ND	North Dakota
NE	Nebraska	NH	New Hampshire
NJ	New Jersey	NM	New Mexico
NV	Nevada	NY	New York
OH	Ohio	OK	Oklahoma
OR	Oregon	PA	Pennsylvania
PR	Puerto Rico	PW	Palau, Republic of
RI	Rhode Island	SC	South Carolina
SD	South Dakota	TN	Tennessee
TX	Texas	UT	Utah
VA	Virginia	VI	Virgin Islands of the U.S.
VT	Vermont	WA	Washington
WI	Wisconsin	WV	West Virginia
WY	Wyoming		

GWCODE 13 - COUNTIES

FIPS CODE	COUNTY	STATE NUM	FIPS CODE	COUNTY	STATE NUM	FIPS CODE	COUNTY	STATE NUM
001	Anderson	001	003	Andrews	002	005	Angelina	003
007	Aransas	004	009	Archer	005	011	Armstrong	006
013	Atascosa	007	015	Austin	008	017	Bailey	009
019	Bandera	010	021	Bastrop	011	023	Baylor	012
025	Bee	013	027	Bell	014	029	Bexar	015
031	Blanco	016	033	Borden	017	035	Bosque	018
037	Bowie	019	039	Brazoria	020	041	Brazos	021
043	Brewster	022	045	Briscoe	023	047	Brooks	024
049	Brown	025	051	Burleson	026	053	Burnet	027
055	Caldwell	028	057	Calhoun	029	059	Callahan	030
061	Cameron	031	063	Camp	032	065	Carson	033
067	Cass	034	069	Castro	035	071	Chambers	036
073	Cherokee	037	075	Childress	038	077	Clay	039
079	Cochran	040	081	Coke	041	083	Coleman	042
085	Collin	043	087	Collingsworth	044	089	Colorado	045
091	Comal	046	093	Comanche	047	095	Concho	048
097	Cooke	049	099	Coryell	050	101	Cottle	051
103	Crane	052	105	Crockett	053	107	Crosby	054
109	Culberson	055	111	Dallam	056	113	Dallas	057
115	Dawson	058	117	Deaf Smith	059	119	Delta	060
121	Denton	061	123	De Witt	062	125	Dickens	063
127	Dimmit	064	129	Donley	065	131	Duval	066
133	Eastland	067	135	Ector	068	137	Edwards	069
139	Ellis	070	141	El Paso	071	143	Erath	072
145	Falls	073	147	Fannin	074	149	Fayette	075
151	Fisher	076	153	Floyd	077	155	Foard	078
157	Fort Bend	079	159	Franklin	080	161	Freestone	081
163	Frio	082	165	Gaines	083	167	Galveston	084
169	Garza	085	171	Gillespie	086	173	Glasscock	087

GWCODE 13 - COUNTIES

FIPS CODE	COUNTY	STATE NUM	FIPS CODE	COUNTY	STATE NUM	FIPS CODE	COUNTY	STATE NUM
175	Goliad	088	177	Gonzales	089	179	Gray	090
181	Grayson	091	183	Gregg	092	185	Grimes	093
187	Guadalupe	094	189	Hale	095	191	Hall	096
193	Hamilton	097	195	Hansford	098	197	Hardeman	099
199	Hardin	100	201	Harris	101	203	Harrison	102
205	Hartley	103	207	Haskell	104	209	Hays	105
211	Hemphill	106	213	Henderson	107	215	Hidalgo	108
217	Hill	109	219	Hockley	110	221	Hood	111
223	Hopkins	112	225	Houston	113	227	Howard	114
229	Hudspeth	115	231	Hunt	116	233	Hutchinson	117
235	Irion	118	237	Jack	119	239	Jackson	120
241	Jasper	121	243	Jeff Davis	122	245	Jefferson	123
247	Jim Hogg	124	249	Jim Wells	125	251	Johnson	126
253	Jones	127	255	Karnes	128	257	Kaufman	129
259	Kendall	130	261	Kenedy	131	263	Kent	132
265	Kerr	133	267	Kimble	134	269	King	135
271	Kinney	136	273	Kleberg	137	275	Knox	138
277	Lamar	139	279	Lamb	140	281	Lampasas	141
283	La Salle	142	285	Lavaca	143	287	Lee	144
289	Leon	145	291	Liberty	146	293	Limestone	147
295	Lipscomb	148	297	Live Oak	149	299	Llano	150
301	Loving	151	303	Lubbock	152	305	Lynn	153
307	McCulloch	154	309	McLennan	155	311	McMullen	156
313	Madison	157	315	Marion	158	317	Martin	159
319	Mason	160	321	Matagorda	161	323	Maverick	162
325	Medina	163	327	Menard	164	329	Midland	165
331	Milam	166	333	Mills	167	335	Mitchell	168
337	Montague	169	339	Montgomery	170	341	Moore	171
343	Morris	172	345	Motley	173	347	Nacogdoches	174

GWCODE 13 - COUNTIES

FIPS CODE	COUNTY	STATE NUM	FIPS CODE	COUNTY	STATE NUM	FIPS CODE	COUNTY	STATE NUM
349	Navarro	175	351	Newton	176	353	Nolan	177
355	Nueces	178	357	Ochiltree	179	359	Oldham	180
361	Orange	181	363	Palo Pinto	182	365	Panola	183
367	Parker	184	369	Parmer	185	371	Pecos	186
373	Polk	187	375	Potter	188	377	Presidio	189
379	Rains	190	381	Randall	191	383	Reagan	192
385	Real	193	387	Red River	194	389	Reeves	195
391	Refugio	196	393	Roberts	197	395	Robertson	198
397	Rockwall	199	399	Runnels	200	401	Rusk	201
403	Sabine	202	405	San Augustine	203	407	San Jacinto	204
409	San Patricio	205	411	San Saba	206	413	Schleicher	207
415	Scurry	208	417	Shackelford	209	419	Shelby	210
421	Sherman	211	423	Smith	212	425	Somervell	213
427	Starr	214	429	Stephens	215	431	Sterling	216
433	Stonewall	217	435	Sutton	218	437	Swisher	219
439	Tarrant	220	441	Taylor	221	443	Terrell	222
445	Terry	223	447	Throckmorton	224	449	Titus	225
451	Tom Green	226	453	Travis	227	455	Trinity	228
457	Tyler	229	459	Upshur	230	461	Upton	231
463	Uvalde	232	465	Val Verde	233	467	Van Zandt	234
469	Victoria	235	471	Walker	236	473	Waller	237
475	Ward	238	477	Washington	239	479	Webb	240
481	Wharton	241	483	Wheeler	242	485	Wichita	243
487	Wilbarger	244	489	Willacy	245	491	Williamson	246
493	Wilson	247	495	Winkler	248	497	Wise	249
499	Wood	250	501	Yoakum	251	503	Young	252
505	Zapata	253	507	Zavala	254			

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2597-344	WEST BROWNSVILLE	2597-432	SOUTHMOST	2597-433	EAST BROWNSVILLE	2597-434	PALMITO HILL
2597-443	MOUTH OF RIO GRANDE	2697-112	PORT ISABEL	2697-113	PORT ISABEL NW	2697-121	LAGUNA VISTA
2697-122	LOS FRESNOS	2697-123	LAGUNA ATASCOSA	2697-124	LA COMA	2697-131	THREE ISLANDS
2697-132	LA LEONA	2697-133	HAWK ISLAND	2697-134	GREEN ISLAND	2697-142	NORTH OF PORT ISABEL SW
2697-143	NORTH OF PORT ISABEL NW	2697-211	OLMITO	2697-212	LA PALOMA	2697-213	HARLINGEN
2697-214	RIO HONDO	2697-221	SANTA MARIA	2697-222	PROGRESO	2697-223	MERCEDES
2697-224	LA FERIA	2697-231	SANTA ROSA	2697-232	EDCOUCH	2697-233	LASARA
2697-234	RAYMONDVILLE	2697-241	PASO REAL	2697-242	WILLAMAR SW	2697-243	SAN PERLITA SOUTH
2697-244	WILLAMAR	2697-311	EL JARDIN	2697-312	SAN PERLITA NORTH	2697-313	ROSITA LAKE
2697-314	ROSITA LAKE NE	2697-321	YTURRIA	2697-322	LA SAL VIEJA	2697-323	ANDREA RANCH
2697-324	RUDOLPH	2697-331	NORIAS	2697-332	JULIAN	2697-333	PITA CAMP
2697-334	ARMSTRONG	2697-341	LOS AMIGOS WINDMILL	2697-342	SALTILLO WELL	2697-343	SAN PEDRO RANCH
2697-344	MARIA ESTELLA WELL	2697-421	SOUTH OF POTRERO LOPENO SE	2697-422	PORT MANSFIELD	2697-423	SOUTH OF POTRERO LOPENO NW
2697-424	SOUTH OF POTRERO LOPENO NE	2697-431	POTRERO LOPENO SE	2697-432	POTRERO LOPENO SW	2697-433	POTRERO LOPENO NW
2698-111	SAN JUAN SE	2698-112	LAS MILPAS	2698-113	PHARR	2698-114	DONNA
2698-121	HIDALGO	2698-123	LA JOYA	2698-124	MISSION	2698-131	ALTON
2698-132	CITRUS CITY	2698-133	MC COOK	2698-134	MONTE CHRISTO	2698-141	LA BLANCA
2698-142	EDINBURG	2698-143	FAYSVILLE	2698-144	HARGILL	2698-213	LOS EBANOS NW
2698-214	LOS EBANOS	2698-231	RIO GRANDE CITY SOUTH	2698-232	LOS GARZAS	2698-233	ROMA-LOS SAENZ EAST
2698-234	RIO GRANDE CITY NORTH	2698-241	SULLIVAN CITY	2698-242	LA GRULLA	2698-243	SAGUNADA RANCH
2698-244	CAMP GARCIA	2698-311	RINCON	2698-312	LA GLORIA SW	2698-313	LAS ISLAS RANCH
2698-314	LA GLORIA	2698-321	EL SAUZ	2698-322	EL CHAPOTE CREEK	2698-323	LAS ESCOBAS RANCH
2698-324	VIBORAS	2698-331	CUEVITAS	2698-332	CUEVITAS SW	2698-333	GUERRA
2698-334	SAN ANTONIO VIEJO	2698-341	AGUA NUEVA SE	2698-342	BORREGOS RANCH	2698-343	AGUA NUEVA NW
2698-344	AGUA NUEVA	2698-411	LINN	2698-412	LINN SIDING	2698-413	LINN NW
2698-414	LINN NE	2698-421	MC ALLEN RANCH	2698-422	BENTSEN RANCH	2698-423	SAN ISIDRO
2698-424	LA REFORMA	2698-431	SANTA ELENA SE	2698-432	SANTA ELENA	2698-433	SANTA ELENA NW
2698-434	TACUBAYA	2698-441	CALLO PADRONES	2698-442	HARTLAND	2698-443	ENCINO
2698-444	SAN TOMAS CAMP	2699-144	ROMA-LOS SAENZ WEST	2699-411	SALINENO	2699-412	FALCON VILLAGE
2699-413	BECKWITH ARM	2699-414	LOPENO	2699-431	ZAPATA SE	2699-433	ZAPATA NW
2699-434	ZAPATA	2699-441	ARROYO MIGUEL	2699-442	ARROYO CLARENO	2699-443	ARROYO VELENO

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2699-444	ARROYO HUISACHE	2796-333	ALLYNS BIGHT	2797-122	POTRERO CORTADO	2797-123	YARBOROUGH PASS
2797-131	SOUTH BIRD ISLAND SE	2797-132	POINT OF ROCKS	2797-133	SOUTH BIRD ISLAND NW	2797-134	SOUTH BIRD ISLAND
2797-211	LA PARRA RANCH SE	2797-212	LA PARRA RANCH SW	2797-213	LA PARRA RANCH	2797-214	LA PARRA RANCH NE
2797-221	TURCOTTE	2797-222	SARITA SW	2797-223	LA PALOMA RANCH	2797-224	SARITA
2797-231	RIVIERA	2797-232	PAISANO LAKE	2797-233	ESCONDIDO LAKE	2797-234	RICARDO
2797-241	KLEBERG POINT	2797-242	RIVIERA BEACH	2797-243	RIVIERA BEACH NW	2797-244	RIVIERA BEACH NE
2797-311	LAURELES RANCH	2797-312	CONCORDIA	2797-313	DRISCOLL EAST	2797-314	PETRONILA NE
2797-321	KINGSVILLE EAST	2797-322	KINGSVILLE WEST	2797-323	KINGSVILLE NW	2797-324	DRISCOLL WEST
2797-331	BANQUETE	2797-332	AGUA DULCE	2797-333	ORANGE GROVE	2797-334	SAN PATRICIO
2797-341	ANNAVILLE	2797-342	ROBSTOWN	2797-343	EDROY	2797-344	ODEM
2797-412	CRANE ISLANDS SW	2797-413	CRANE ISLANDS NW	2797-421	PITA ISLAND	2797-422	CHAPMAN RANCH
2797-423	OSO CREEK NW	2797-424	OSO CREEK NE	2797-431	PORTLAND	2797-432	CORPUS CHRISTI
2797-433	TAFT	2797-434	GREGORY	2797-441	PORT ARANSAS	2797-442	PORT INGLESIDE
2797-443	ARANSAS PASS	2797-444	ESTES	2798-111	FALFURRIAS SE	2798-112	CAGE RANCH
2798-113	FALFURRIAS	2798-114	FLOWELLA	2798-121	PALOMAS RANCH SE	2798-122	PALOMAS RANCH SW
2798-123	PALOMAS RANCH NW	2798-124	PALOMAS RANCH	2798-131	LAGUNA DEL TORO	2798-132	RAMIREZ
2798-133	CONCEPCION NW	2798-134	CONCEPCION	2798-141	PREMONT EAST	2798-142	PREMONT WEST
2798-143	SEELIGSON RANCH	2798-144	ELLA	2798-211	ALTA VISTA RANCH	2798-212	ALTA VISTA RANCH SW
2798-213	MC CAMPBELL RANCH	2798-214	BALUARTE RANCH	2798-221	SAN PABLO RANCH	2798-222	RANADO
2798-223	THOMPSONVILLE	2798-224	ARMSTRONG RANCH	2798-231	BRUNI SE	2798-232	ALBERCAS RANCH
2798-233	OILTON	2798-234	BRUNI	2798-241	HEBBRONVILLE SE	2798-242	HEBBRONVILLE
2798-243	HEBBRONVILLE NW	2798-244	REALITOS	2798-311	PARRILLA CREEK SE	2798-312	PARRILLA CREEK SW
2798-313	PARRILLA CREEK NW	2798-314	PARRILLA CREEK NE	2798-321	SAN PABLO	2798-322	MILLS BENNETT SW
2798-323	MILLS BENNETT NW	2798-324	MILLS BENNETT	2798-331	BIEL LAKE SE	2798-332	BIEL LAKE SOUTH
2798-333	BIEL LAKE NORTH	2798-334	BIEL LAKE NE	2798-341	FREER SOUTH	2798-342	SARNOSA HILL
2798-343	FREER NW	2798-344	FREER NORTH	2798-411	BEN BOLT SE	2798-412	PALITO BLANCO
2798-413	BEN BOLT NW	2798-414	ALICE SOUTH	2798-421	SAN JOSE	2798-422	BENAVIDES
2798-423	BENAVIDES NW	2798-424	BENAVIDES NE	2798-431	ROSITA SE	2798-432	ROSITA
2798-433	ROSITA NW	2798-434	ROSITA NE	2798-441	ALICE NORTH	2798-442	SAN DIEGO
2798-443	SHAEFFER RANCH	2798-444	SAN DIEGO NE	2799-111	ESCOBAS	2799-112	MOGOTES HILL
2799-113	LOS OVEJAS CREEK	2799-114	CHARGOS CREEK	2799-121	ARROYO BURRO	2799-122	SAN YGNACIO

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2799-123	ARROYO SALADO WEST	2799-124	ARROYO SALADO EAST	2799-131	BLANCAS CREEK SOUTH	2799-132	O'KEEFE LAKE
2799-133	LAREDO SOUTH	2799-134	BLANCAS CREEK NORTH	2799-141	AGUA AZUL CREEK EAST	2799-142	AGUA AZUL CREEK WEST
2799-143	RETAMA CREEK	2799-144	MIRANDO CITY	2799-241	ISLA MESTENO	2799-311	LAREDO WEST
2799-313	DOLORES RANCH	2799-314	CUERVO CREEK	2799-324	SOUTH OF SAN PEDRO HILL	2799-331	SAN PEDRO HILL
2799-332	PALAFIX SW	2799-333	BIG APACHE HILL	2799-334	PINTO CREEK	2799-341	NIDO RANCH
2799-342	CERRITOS BLANCOS	2799-343	LAS TIENDAS	2799-344	SPOHN RANCH	2799-411	SHIPP RANCH
2799-412	BURRITO TANK	2799-413	PIEDRA PARADA TANK	2799-414	PIEDRA PARADA RANCH	2799-421	TIOS CREEK
2799-422	LAREDO EAST	2799-423	ORVIL	2799-424	CIBOLO RANCH	2799-431	CALLAGHAN RANCH SE
2799-432	CALLAGHAN RANCH SOUTH	2799-433	CALLAGHAN RANCH NORTH	2799-434	VENADO CREEK WEST	2799-441	ALAMITO CREEK
2799-442	PATO CREEK	2799-443	VENADO CREEK EAST	2799-444	ALAMITO CREEK NE	2800-111	BULL HOLLOW TANK
2800-113	SALT WELL	2800-114	CHUPADERA CREEK	2800-124	SAN AMBROSIA CREEK 3 NE	2800-131	TOVAR CREEK WEST
2800-134	INDIO CREEK	2800-141	SAN PEDRO CREEK	2800-142	TOVAR CREEK EAST	2800-143	INDIO TANK
2800-144	PALO BLANCO TANK	2800-314	EAGLE PASS WEST	2800-341	QUEMADO SE	2800-343	QUEMADO WEST
2800-344	QUEMADO EAST	2800-411	CAYETANO CREEK	2800-412	FARIAS RANCH	2800-413	SACATOSA TANK
2800-414	COMETA	2800-421	EL INDIO	2800-422	EAGLE PASS SW	2800-423	EAGLE PASS EAST
2800-424	EAGLE PASS NE	2800-431	INDIAN TANK	2800-432	DEADMANS HILL	2800-433	PALOMA
2800-434	TROSADO TANK	2800-441	CHACON CREEK SE	2800-442	CHACON CREEK SW	2800-443	CHACON CREEK NW
2800-444	CHACON CREEK NE	2895-313	BROWN CEDAR CUT	2895-322	MATAGORDA SW	2895-323	MATAGORDA
2895-324	DRESSING POINT	2895-331	LAKE AUSTIN	2895-332	WADSWORTH	2895-333	BAY CITY
2895-334	BAY CITY NE	2895-341	CEDAR LAKES WEST	2895-342	SARGENT	2895-343	CEDAR LANE
2895-344	CEDAR LANE NE	2895-432	CEDAR LAKES EAST	2895-433	JONES CREEK	2895-434	FREEPORT
2896-132	PASS CAVALLO SW	2896-133	PORT OCONNOR	2896-134	DECROS POINT	2896-143	SOUTH OF PALACIOS PT
2896-213	PANTHER POINT	2896-214	PANTHER POINT NE	2896-221	ST. CHARLES BAY SE	2896-222	ST. CHARLES BAY SW
2896-223	ST. CHARLES BAY	2896-224	MESQUITE BAY	2896-231	TIVOLI SE	2896-232	TIVOLI SW
2896-233	TIVOLI	2896-234	AUSTWELL	2896-241	LONG ISLAND	2896-242	MOSQUITO PT
2896-243	SEADRIFT	2896-244	SEADRIFT NE	2896-311	PORT LAVACA EAST	2896-312	PORT LAVACA WEST
2896-313	KAMEY	2896-314	POINT COMFORT	2896-321	GREEN LAKE	2896-322	BLOOMINGTON SW
2896-323	BLOOMINGTON	2896-324	PLACEDO	2896-331	MARCADO CREEK	2896-332	VICTORIA EAST
2896-333	INEZ NW	2896-334	INEZ	2896-341	LOLITA	2896-342	LA SALLE
2896-343	EDNA	2896-344	MANSON	2896-411	PALACIOS SE	2896-412	PALACIOS PT
2896-413	PALACIOS	2896-414	PALACIOS NE	2896-421	CARANCAHUA PASS	2896-422	KELLER BAY

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2896-423	OLIVIA	2896-424	TURTLE BAY	2896-431	FRANCITAS	2896-432	LA WARD
2896-433	FRANCITAS NW	2896-434	FRANCITAS NE	2896-441	BLESSING SE	2896-442	BLESSING
2896-443	MIDFIELD	2896-444	MARKHAM	2897-111	ROCKPORT	2897-112	BAYSIDE
2897-113	MISSION BAY	2897-114	LAMAR	2897-121	RINCON BEND	2897-122	SINTON EAST
2897-123	CRANELL	2897-124	WOODSBORO	2897-131	REFUGIO	2897-132	REFUGIO SW
2897-133	BLANCONIA	2897-134	BRYANVILLE	2897-141	TWIN MOTT LAKE	2897-142	QUINTANA
2897-143	VIDAURRI	2897-144	LAKE PASTURE	2897-211	SINTON WEST	2897-212	WEST SINTON
2897-213	BULLSHEAD CREEK	2897-214	PAPALOTE	2897-221	MATHIS	2897-222	SANDIA
2897-223	DINERO	2897-224	TYNAN	2897-231	CLAREVILLE	2897-232	MULOS HILLS
2897-233	CADIZ	2897-234	BEEVILLE WEST	2897-241	BURKES RIDGE	2897-242	SKIDMORE
2897-243	BEEVILLE EAST	2897-244	SKIDMORE NE	2897-311	BERCLAIR	2897-312	LAZY F RANCH
2897-313	BERCLAIR NW	2897-314	CHARCO	2897-321	TULETA	2897-322	MINERAL
2897-323	MONTEOLA	2897-324	TULSITA	2897-331	KENEDY	2897-332	LENZ
2897-333	KARNES CITY	2897-334	HELENA	2897-341	RUNGE SE	2897-342	CHOATE
2897-343	RUNGE	2897-344	YORKTOWN WEST	2897-411	MC FADDIN	2897-412	LOTT LAKE
2897-413	FANNIN	2897-414	RAISIN	2897-421	LIVE OAK LAKE	2897-422	MELO
2897-423	GOLIAD	2897-424	HENSLEY LAKE	2897-431	ANDER	2897-432	WEESATCHE
2897-433	YORKTOWN EAST	2897-434	MEYERSVILLE	2897-441	VICTORIA WEST	2897-442	SCHROEDER
2897-443	MISSION VALLEY	2897-444	NURSERY	2898-111	MIDWAY	2898-112	ANNA ROSE
2898-113	ELM CREEK	2898-114	CRATER RIDGE	2898-121	CLEGG	2898-122	CLEGG SW
2898-123	LA CHUSA HILL	2898-124	CLEGG NE	2898-131	LIVE OAK HOLLOW	2898-132	SAN CAJA HILL
2898-133	CALLIHAM NW	2898-134	CALLIHAM	2898-141	GEORGE WEST	2898-142	OAKVILLE SW
2898-143	THREE RIVERS	2898-144	OAKVILLE	2898-211	LOMA ALTA	2898-212	MIRASOL CREEK
2898-213	LOMA ALTA NW	2898-214	LOMA ALTA NE	2898-221	PIEDRA CREEK SE	2898-222	PIEDRA CREEK SW
2898-223	PIEDRA CREEK NW	2898-224	PIEDRA CREEK NE	2898-231	BRISCOE RANCH	2898-232	THE WHITE KITCHEN
2898-233	DULL	2898-234	FOWLERTON	2898-241	FITZPATRICK HOLLOW	2898-242	MULE CREEK
2898-243	ROCKAWAY CREEK	2898-244	TILDEN	2898-311	CROSS	2898-312	PERTLE CREEK
2898-313	SAN MIGUEL RANCH	2898-314	CROSS, NE	2898-321	ZELLA	2898-322	CAYMAN LAKE
2898-323	LAS FLORES	2898-324	HINDES	2898-331	GOLDFINCH	2898-332	KEYSTONE RANCH
2898-333	SCHATTEL NW	2898-334	SCHATTEL	2898-341	CHRISTINE WEST	2898-342	CHARLOTTE
2898-343	DOBROWOLSKI	2898-344	JOURDANTON	2898-411	RAY POINT	2898-412	COMANCHE HILLS

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2898-413	PEGGY	2898-414	PAWNEE	2898-421	WILLOW HOLLOW TANK	2898-422	CROWTHER
2898-423	CABALLOS CREEK	2898-424	WHITSETT	2898-431	MC COY	2898-432	CHRISTINE EAST
2898-433	PLEASANTON	2898-434	LEAL	2898-441	COY CITY	2898-442	FASHING
2898-443	THREE OAKS	2898-444	FALLS CITY	2899-111	CAIMAN CREEK SE	2899-112	LIVE OAK CREEK
2899-113	CAIMAN CREEK NW	2899-114	CAIMAN CREEK NE	2899-121	ENCINAL	2899-122	MESTENO CREEK SOUTH
2899-123	MESTENO CREEK NORTH	2899-124	ATLEE	2899-131	ARTESIA WELLS	2899-132	BLOCKER TANK
2899-133	FLYING W RANCH	2899-134	HARRIS LAKE	2899-141	CHARCO MARRANO CREEK	2899-142	HOLLAND DAM
2899-143	COTULLA	2899-144	LOS ANGELES	2899-211	TELEPHONE TANKS	2899-212	GALVAN RANCH
2899-213	VELENZUELA CREEK	2899-214	PILONCILLO HILL	2899-221	DOS HERMANOS PEAKS	2899-222	TORDILLO CREEK
2899-223	EAST LOSA TANK	2899-224	LANDRUM TANK	2899-231	FARIAS TANK	2899-232	DENTONIO
2899-233	ASHERTON NW	2899-234	ASHERTON	2899-241	CATARINA	2899-242	DABNEY TANK
2899-243	MAC DONALD LAKE	2899-244	VALLEY WELLS	2899-311	BIG WELLS	2899-312	BRUNDAGE
2899-313	WOODARD LAKE	2899-314	SUGAR CREEK	2899-321	CARRIZO SPRINGS EAST	2899-322	CARRIZO SPRINGS WEST
2899-323	CARRIZO SPRINGS NW	2899-324	CRYSTAL CITY	2899-331	LA PRYOR SE	2899-332	BEEF HOLLOW CREEK
2899-333	LA PRYOR NW	2899-334	LA PRYOR	2899-341	LOMA VISTA	2899-342	BATESVILLE SW
2899-343	BATESVILLE NW	2899-344	BATESVILLE	2899-411	BURNS RANCH	2899-412	MILLETT
2899-413	DILLEY	2899-414	DILLEY NE	2899-421	WOODWARD	2899-422	LAS VEGAS
2899-423	SNAKE CREEK	2899-424	WOODWARD NE	2899-431	DIVOT	2899-432	WEST RANCH
2899-433	JOHNNIE LITTLE HILL	2899-434	HOLCOMB RESERVOIR	2899-441	PEARSALL SOUTH	2899-442	DERBY
2899-443	HALFF RANCH	2899-444	PEARSALL NORTH	2900-111	OLMOS CREEK	2900-112	GOOFY LAKE
2900-113	ODLAW	2900-114	CLINE	2900-121	PELONCILLO PEAK	2900-122	IMPERIALIST TANK
2900-123	SPOFFORD	2900-124	ANACACHO	2900-131	ELM MOUNTAIN	2900-132	BRACKETTVILLE
2900-133	PINTO MOUNTAIN	2900-134	BRACKETTVILLE NE	2900-141	MUSTANG WATERHOLE	2900-142	TURKEY MOUNTAIN
2900-143	SALMON PEAK	2900-144	LAGUNA	2900-211	TEQUESQUITE SPRING	2900-212	TEQUESQUITE CREEK SW
2900-213	COW CREEK TANK	2900-214	TESQUESQUITE CREEK NE	2900-224	MAVERICK DAM	2900-231	DEL RIO SE
2900-232	DEL RIO SW	2900-233	DEL RIO NW	2900-234	DEL RIO NE	2900-241	STANDART
2900-242	MUD CREEK SOUTH	2900-243	MUD CREEK NORTH	2900-244	MUD SPRINGS	2900-311	FLAT ROCK CREEK SOUTH
2900-312	FLAT ROCK CREEK SW	2900-313	FLAT ROCK CREEK NW	2900-314	FLAT ROCK CREEK NORTH	2900-321	ROUGH CANYON SE
2900-322	ROUGH CANYON	2900-323	SATAN CANYON	2900-324	MIERS RANCH	2900-331	CARRUTHERS DRAW
2900-332	CLARK WATERHOLE	2900-333	DOLAN SPRINGS	2900-334	OPEN HOLLOW	2900-341	CARTA VALLEY SE
2900-342	CARTA VALLEY	2900-343	HOLCOMB DRAW	2900-344	CARTA VALLEY NE	2900-411	MONTELL

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2900-412	BULL WATERHOLE	2900-413	KELLEY PEAK	2900-414	CAMP WOOD	2900-421	SILVER LAKE
2900-422	KICKAPOO CAVERNS	2900-423	WILEY WATERHOLE	2900-424	INDIAN MOUNTAIN	2900-431	CUTTING PEN DRAW
2900-432	TWOMILE DRAW	2900-433	BLACK WATERHOLE	2900-434	INDIAN CREEK NE	2900-441	VANCE
2900-442	HALF MOON PRAIRIE	2900-443	CUB LAKE	2900-444	HACKBERRY	2901-144	AMISTAD DAM
2901-331	LOZIER CANYON SOUTH	2901-332	COOK CREEK SOUTH	2901-333	COOK CREEK NORTH	2901-334	LOZIER CANYON N
2901-341	LANGTRY	2901-342	RAMSEY CANYON	2901-343	PUMPVILLE	2901-344	HARKELL CANYON
2901-411	CALIFORNIA CREEK	2901-412	BOX CANYON	2901-413	COMSTOCK	2901-414	GILLIS RANCH
2901-421	ZUBERBUELER BEND	2901-423	ZUBERBUELER BEND NW	2901-424	SEMINOLE CANYON	2901-431	PECOS HIGH BRIDGE
2901-432	SHUMLA	2901-433	STILL CANYON	2901-434	MAYFIELD CANYON	2901-441	LECHUGUILLA CREEK
2901-442	DEAD MAN'S PASS	2901-443	BAKER'S CROSSING	2901-444	TELEPHONE CANYON	2902-223	RIO GRANDE VILLAGE
2902-232	ERNST VALLEY	2902-233	SUE PEAKS	2902-234	STILLWELL CROSSING	2902-312	LAS VEGAS DE LOS LADRONES SW
2902-313	LAS VEGAS DE LOS LADRONES	2902-314	SAN ROSENDO	2902-321	BOURLAND CANYON	2902-322	BLACK GAP
2902-323	STILLWELL MOUNTAIN	2902-324	CUPOLA MOUNTAIN	2902-331	DOVE MOUNTAIN	2902-332	YELLOW HOUSE PEAK
2902-333	PINE MOUNTAIN WEST	2902-334	PINE MOUNTAIN EAST	2902-341	BULLIS GAP	2902-342	BEEF GAP
2902-343	SAN FRANCISCO SHUTUPS	2902-344	BULLIS GAP NE	2902-431	PANTHER GULCH EAST	2902-432	PANTHER GULCH WEST
2902-433	CANDILLA CANYON WEST	2902-434	CANDILLA CANYON EAST	2902-441	SHAFTER CANYON	2902-442	TAYLOR CANYON
2902-443	MC CLAIN CANYON	2902-444	BALCON CREEK	2903-111	SOLIS	2903-112	MARISCAL MOUNTAIN
2903-113	GLENN SPRING	2903-114	SAN VICENTE	2903-121	REED CAMP	2903-122	SMOKY CREEK
2903-123	CERRO CASTELLAN	2903-124	EMORY PEAK	2903-131	THE BASIN	2903-132	TULE MOUNTAIN
2903-133	CHRISTMAS MOUNTAINS	2903-134	SOMBREIRO PEAK	2903-141	ROYS PEAK	2903-142	PANTHER JUNCTION
2903-143	GRAPEVINE HILLS	2903-144	MC KINNEY SPRINGS	2903-213	MESA DE ANGUILA	2903-214	CASTOLON
2903-231	LAJITAS	2903-232	SANTANA MESA	2903-233	SAUCEDA RNCH	2903-234	THE SOLITARIO
2903-241	TERLINGUA	2903-242	AMARILLA MTN	2903-243	YELLOW HILL	2903-244	HEN EGG MTN
2903-311	PACKSADDLE MOUNTAIN	2903-312	AGUA FRIA MOUNTAIN	2903-313	LONG HILLS	2903-314	DOG CANYON
2903-321	BANDERA MESA SOUTH	2903-322	LA MOTA MOUNTAIN	2903-323	HORSEHOE MOUNTAINS	2903-324	BANDERA MESA NORTH
2903-331	MC KINNEY MTN	2903-332	PUERTO POTRILLO	2903-333	JORDAN GAP	2903-334	PARADISE DRAW
2903-341	BUCK HILL	2903-342	STRADDELEBUG MOUNTAIN	2903-343	DUFF SPRINGS	2903-344	WHIRLWIND SPRING
2903-411	DAGGER FLAT	2903-412	BONE SPRING	2903-413	PERSIMMON GAP	2903-414	BONE SPRING NE
2903-421	TWIN PEAKS	2903-422	WHITE HILLS	2903-423	GRAYTOP	2903-424	BUTTERBOWL
2903-431	Y E MESA	2903-432	SANTIAGO PEAK	2903-433	PASO DEL NORTE	2903-434	MARAVILLAS GAP
2903-441	HOOD SPRING SE	2903-442	SOSA PEAK	2903-443	HEART MTN	2903-444	HOOD SPRING

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2904-141	REDFORD SE	2904-143	REDFORD	2904-144	AGUA ADENTRO MOUNTAIN	2904-314	INDIO
2904-341	ADOBES	2904-342	VADO DE PIEDRA	2904-343	LAS CONCHAS	2904-344	SIERRA PARDA
2904-411	MANZANILLO CANYON	2904-412	CERRO REDONDO	2904-413	ALAMO SPRING	2904-414	CASA PIEDRA
2904-421	PRESIDIO EAST	2904-422	PRESIDIO WEST	2904-423	ARROYO MELADO	2904-424	LA BOQUILLA
2904-431	SHAFTER	2904-432	CERRO ORONA	2904-433	CHINATI PEAK	2904-434	CIENEGUITA
2904-441	PLATA	2904-442	CIENEGA MOUNTAINS	2904-443	CERRO PRIETOS	2904-444	PLATA NE
2993-323	SABINE PASS	2993-324	TEXAS POINT	2993-331	WEST OF JOHNSONS BAYOU	2993-332	PORT ARTHUR SOUTH
2993-333	PORT ARTHUR NORTH	2993-334	WEST OF GREENS BAYOU	2994-223	LAKE COMO	2994-231	GALVESTON
2994-232	VIRGINIA POINT	2994-233	TEXAS CITY	2994-234	PORT BOLIVAR	2994-242	THE JETTIES
2994-243	FLAKE	2994-244	CAPLEN	2994-311	FROZEN POINT	2994-312	LAKE STEPHENSON
2994-313	OAK ISLAND	2994-314	OYSTER BAYOU	2994-321	SMITH POINT	2994-322	BACLIFF
2994-323	MORGAN POINT	2994-324	UMBRELLA POINT	2994-331	COVE	2994-332	MONT BELVIEU
2994-333	SHEEKS	2994-334	MOSS BLUFF	2994-341	MONROE CITY	2994-342	ANAHUAC
2994-343	SHILOH	2994-344	WHITES BAYOU	2994-412	SOUTH OF STAR LAKE	2994-413	STAR LAKE
2994-414	CLAM LAKE	2994-421	MUD LAKE	2994-422	HIGH ISLAND	2994-423	STANOLIND RESERVOIR
2994-424	WHITES RANCH	2994-431	HAMSHIRE	2994-432	STOWELL	2994-433	WINNIE NW
2994-434	FANNETT WEST	2994-441	BIG HILL BAYOU	2994-442	ALLIGATOR HOLE MARSH	2994-443	FANNETT EAST
2994-444	PORT ACRES	2995-111	SAN LUIS PASS	2995-112	CHRISTMAS POINT	2995-113	HOSKINS MOUND
2995-114	SEA ISLE	2995-121	OYSTER CREEK	2995-122	LAKE JACKSON	2995-123	ANGLETON
2995-124	DANBURY	2995-131	LIVERPOOL	2995-132	ROSHARON	2995-133	JULIFF
2995-134	MANVEL	2995-141	HITCHCOCK	2995-142	MUSTANG BAYOU	2995-143	ALGOA
2995-144	DICKINSON	2995-211	BRAZORIA	2995-212	SWEENY	2995-213	WEST COLUMBIA
2995-214	EAST COLUMBIA	2995-221	ASHWOOD	2995-222	VAN VLECK	2995-223	PLEDGER
2995-224	DANCIGER	2995-231	GUY	2995-232	BOLING	2995-233	KENDLETON
2995-234	NEEDVILLE	2995-241	OTEY	2995-242	DAMON	2995-243	SMITHERS LAKE
2995-244	THOMPSONS	2995-311	MISSOURI CITY	2995-312	SUGAR LAND	2995-313	CLODINE
2995-314	ALIEF	2995-321	RICHMOND	2995-322	ORCHARD	2995-323	FULSHEAR
2995-324	RICHMOND NE	2995-331	KATY	2995-332	BROOKSHIRE	2995-333	HOCKLEY MOUND
2995-334	WARREN LAKE	2995-341	HEDWIG VILLAGE	2995-342	ADDICKS	2995-343	CYPRESS
2995-344	SATSUMA	2995-411	LEAGUE CITY	2995-412	FRIENDSWOOD	2995-413	PASADENA
2995-414	LA PORTE	2995-421	PEARLAND	2995-422	ALMEDA	2995-423	BELLAIRE

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2995-424	PARK PLACE	2995-431	SETTEGAST	2995-432	HOUSTON HEIGHTS	2995-433	ALDINE
2995-434	HUMBLE	2995-441	HIGHLANDS	2995-442	JACINTO CITY	2995-443	HARMASTON
2995-444	CROSBY	2996-111	LANE CITY SE	2996-112	DANEVANG	2996-113	PIERCE
2996-114	LANE CITY	2996-121	EL CAMPO SE	2996-122	LOUISE	2996-123	GOBBLER CREEK
2996-124	EL CAMPO	2996-131	NEW TAITON	2996-132	HAHN	2996-133	GARWOOD
2996-134	BONUS	2996-141	WHARTON	2996-142	GLEN FLORA	2996-143	EGYPT
2996-144	HUNGERFORD	2996-211	GANADO	2996-212	MOUNT OLIVE	2996-213	CORDELE
2996-214	GANADO NE	2996-221	NAVIDAD	2996-222	PECK BRANCH	2996-223	HOPE
2996-224	MORALES	2996-231	HALLETTSVILLE SE	2996-232	EZZELL	2996-233	HALLETTSVILLE
2996-234	SUBLIME	2996-241	SHERIDAN SE	2996-242	SPEAKS	2996-243	SHERIDAN
2996-244	SHERIDAN NE	2996-311	ROCK ISLAND	2996-312	SAWMILL BRANCH	2996-313	BORDEN
2996-314	COLUMBUS	2996-321	OAKLAND	2996-322	MORAVIA	2996-323	SCHULENBURG
2996-324	WEIMAR	2996-331	AMMANNSVILLE	2996-332	SWISS ALP	2996-333	LA GRANGE WEST
2996-334	LA GRANGE EAST	2996-341	FRELSBURG	2996-342	ELLINGER	2996-343	FAYETTEVILLE
2996-344	INDUSTRY	2996-411	EAST BERNARD	2996-412	LISSIE	2996-413	REXVILLE
2996-414	WALLIS	2996-421	EAGLE LAKE	2996-422	ALTAIR	2996-423	ALLEYTON
2996-424	EAGLE LAKE NE	2996-431	CAT SPRING	2996-432	BERNARDO	2996-433	NEW ULM
2996-434	BELLVILLE	2996-441	SAN FELIPE	2996-442	SEALY	2996-443	BURLEIGH
2996-444	SUNNY SIDE	2997-111	FORDTRAN	2997-112	VERHELLE	2997-113	EDGAR
2997-114	TERRYVILLE	2997-121	CUERO	2997-122	BLACKWELL LAKE	2997-123	WESTHOFF
2997-124	CONCRETE	2997-131	HOCHHEIM	2997-132	CHEAPSIDE	2997-133	GONZALES SOUTH
2997-134	HAMON	2997-141	SWEET HOME	2997-142	YOAKUM	2997-143	SHINER
2997-144	WIED	2997-211	NEW DAVY	2997-212	GARFIELD	2997-213	BALD MOUND
2997-214	SAMPLE	2997-221	ECLETO	2997-222	KOSCIUSKO	2997-223	STOCKDALE
2997-224	GILLETT	2997-231	NIXON	2997-232	ALUM	2997-233	THOMAS SPRINGS
2997-234	DEWVILLE	2997-241	PILGRIM	2997-242	SMILEY	2997-243	LEESVILLE
2997-244	COST	2997-311	OTTINE	2997-312	BELMONT	2997-313	LULING
2997-314	HARWOOD	2997-321	DARST CREEK	2997-322	SEGUIN	2997-323	GERONIMO
2997-324	KINGSBURY	2997-331	MARTINDALE	2997-332	SAN MARCOS SOUTH	2997-333	SAN MARCOS NORTH
2997-334	UHLAND	2997-341	MC MAHAN	2997-342	LOCKHART SOUTH	2997-343	LOCKHART NORTH
2997-344	DALE	2997-411	KOMENSKY	2997-412	MOULTON	2997-413	FLATONIA NW

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2997-414	FLATONIA	2997-421	DILWORTH	2997-422	GONZALES NORTH	2997-423	SANDY FORK
2997-424	WAEELDER	2997-431	JEDDO	2997-432	DELHI	2997-433	RED ROCK
2997-434	ROSANKY	2997-441	MULDOON	2997-442	CISTERN	2997-443	TOGO
2997-444	WEST POINT	2998-111	POTH	2998-112	DEWEEES	2998-113	FLORESVILLE
2998-114	MARCELINAS HILLS	2998-121	SASPAMCO SE	2998-122	LEMING	2998-123	LOSOYA
2998-124	SASPAMCO	2998-131	ELMENDORF	2998-132	SOUTHTON	2998-133	SAN ANTONIO EAST
2998-134	MARTINEZ	2998-141	LA VERNIA	2998-142	LA VERNIA SW	2998-143	SAINT HEDWIG
2998-144	NEW BERLIN	2998-211	POTEET	2998-212	ROSSVILLE	2998-213	SOMERSET
2998-214	THELMA	2998-221	BIGFOOT	2998-222	GHOST HILL	2998-223	DEVINE
2998-224	LYTLE	2998-231	LA COSTE	2998-232	CASTROVILLE	2998-233	RIOMEDINA
2998-234	LA COSTE NE	2998-241	TERRELL WELLS	2998-242	MACDONA	2998-243	CULEBRA HILL
2998-244	SAN ANTONIO WEST	2998-311	CASTLE HILLS	2998-312	HELOTES	2998-313	VAN RAUB
2998-314	CAMP BULLIS	2998-321	SAN GERONIMO	2998-322	MEDINA LAKE	2998-323	PIPE CREEK
2998-324	JACK MOUNTAIN	2998-331	RANGER CREEK	2998-332	TURKEY KNOB	2998-333	COMFORT
2998-334	WARING	2998-341	BERGHEIM	2998-342	BOERNE	2998-343	SISTERDALE
2998-344	KENDALIA	2998-411	MC QUEENEY	2998-412	MARION	2998-413	NEW BRAUNFELS WEST
2998-414	NEW BRAUNFELS EAST	2998-421	SCHERTZ	2998-422	LONGHORN	2998-423	BULVERDE
2998-424	BAT CAVE	2998-431	SMITHSON VALLEY	2998-432	ANHALT	2998-433	SPRING BRANCH
2998-434	FISCHER	2998-441	HUNTER	2998-442	SATTLER	2998-443	DEVILS BACKBONE
2998-444	WIMBERLEY	2999-111	MOORE	2999-112	WILSON RANCH	2999-113	YANCEY
2999-114	BIRY	2999-121	FRIO TOWN	2999-122	GROSS TANK	2999-123	IRISHMAN HILL
2999-124	FRIO TOWN NE	2999-131	D'HANIS	2999-132	SABINAL	2999-133	COMANCHE WATERHOLE
2999-134	SABINAL NE	2999-141	MURPHY SCHOOL	2999-142	HONDO	2999-143	MUSTANG VALLEY
2999-144	QUIHI	2999-211	LONG TREE HILL	2999-212	BATESVILLE HILL	2999-213	GARNER FIELD
2999-214	GARNER FIELD NE	2999-221	PULLIAM RANCH	2999-222	SAND MOUNTAIN	2999-223	HACIENDA
2999-224	UVALDE	2999-231	SEVENMILE HILL	2999-232	CHALK BLUFF	2999-233	SYCAMORE MOUNTAIN
2999-234	DEEP CREEK	2999-241	BLANCO LAKE	2999-242	KNIPPA	2999-243	CONCAN
2999-244	TRIO	2999-311	UTOPIA	2999-312	MAGERS CROSSING	2999-313	RIO FRIO
2999-314	VANDERPOOL	2999-321	REAGAN WELLS	2999-322	LAKE CREEK	2999-323	CROWN MOUNTAIN
2999-324	LEAKEY	2999-331	OWL HOLLOW	2999-332	JO JAN VAN CAMP	2999-333	JOY HOLLOW
2999-334	BEE CAVE HOLLOW	2999-341	SABINAL CANYON	2999-342	CIRCLE BLUFF	2999-343	HILLCREST RANCH

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2999-344	WELL HOLLOW	2999-411	TIMBER CREEK	2999-412	TWIN HOLLOW	2999-413	TARPLEY PASS
2999-414	BANDERA	2999-421	TEXAS MOUNTAIN	2999-422	FLATROCK CROSSING	2999-423	SECO PASS
2999-424	TARPLEY	2999-431	A BAR A RANCH	2999-432	LOVE CREEK	2999-433	DIAMOND S RANCH
2999-434	ECHO HILL RANCH	2999-441	BANDERA PASS	2999-442	ROCK CLIFF RESERVOIR	2999-443	FALL CREEK
2999-444	CENTER POINT	3000-111	DEVILS SINKHOLE	3000-112	ROCKSPRINGS	3000-113	ELBOW LAKE
3000-114	PAINT ROCK SPRING	3000-121	RAY LAKE SE	3000-122	RAY LAKE SW	3000-123	RAY LAKE NW
3000-124	RAY LAKE	3000-131	STEWART RANCH	3000-132	HARRISON RNCH	3000-133	STEEN LAKE
3000-134	LIVE OAK DRAW	3000-141	HILL RANCH	3000-142	BUNDY RANCH	3000-143	FORT TERRETT RANCH
3000-144	ROOSEVELT	3000-211	TURNEY DRAW SE	3000-212	FOUR MILLS	3000-213	TURNEY DRAW NW
3000-214	TURNEY DRAW NE	3000-221	ROBINSON DRAW	3000-222	WHITE DRAW	3000-223	WHITE DRAW NW
3000-224	WHITE DRAW NE	3000-231	FLAT ROCK DRAW SE	3000-232	FLAT ROCK DRAW SW	3000-233	SHAFTER DRAW
3000-234	HUDSPETH DRAW	3000-241	DUNBAR DRAW SE	3000-242	DUNBAR DRAW SW	3000-243	DUNBAR DRAW NW
3000-244	DUNBAR DRAW NE	3000-311	SONORA SE	3000-312	SONORA	3000-313	SONORA NW
3000-314	SONORA NE	3000-321	CAVERNS OF SONORA	3000-322	HOSPITAL RANCH	3000-323	NOLEN DRAW
3000-324	SAVELL RANCH	3000-331	COUPE RANCH	3000-332	BAILEY DRAW	3000-333	OGLESBY RANCH
3000-334	MOORE RANCH	3000-341	ELDORADO	3000-342	ELDORADO SW	3000-343	ELDORADO NW
3000-344	ELDORADO NE	3000-411	MC KEGAN DRAW	3000-412	BROKELEG MTN	3000-413	COAL KILN DRAW
3000-414	MC KEGAN DRAW NE	3000-421	BUFFALO WELL SE	3000-422	BUFFALO WELL SW	3000-423	BUFFALO WELL NW
3000-424	BUFFALO WELL	3000-431	ADAMS SE	3000-432	ADAMS SW	3000-433	ADAMS NW
3000-434	ADAMS	3000-441	FORT MC KAVETT	3000-442	CORALINA RANCH	3000-443	FT MC KAVETT NW
3000-444	FORT MC KAVETT NE	3001-111	DEATON DRAW	3001-112	SYCAMORE CANYON	3001-113	BEE CANYON
3001-114	JUNO	3001-121	BLUE HILLS	3001-122	EVERETT CANYON	3001-123	DIVIDE WELL DRAW
3001-124	STEEL STAR DRAW	3001-131	AERMOTOR DRAW	3001-132	HOWARDS WELL SW	3001-133	HOWARDS WELL
3001-134	HOWARDS WELL NE	3001-141	BRUSHY DRAW	3001-142	INDIAN DRAW	3001-143	HARRELL CANYON
3001-144	WILD HORSE CANYON	3001-211	LITTLE FIELDER DRAW	3001-212	ROUNDHILL RANCH	3001-213	HACKBERRY CROSSING
3001-214	PANDALE	3001-221	SEVENMILE CANYON	3001-222	MEYERS CANYON	3001-223	MEYERS CANYON NW
3001-224	MEYERS CANYON NE	3001-231	GEDDIS CANYON EAST	3001-232	GEDDIS CANYON WEST	3001-233	GEDDIS CANYON NW
3001-234	OASIS RANCH	3001-241	ANTONE CANYON	3001-242	POST CANYON	3001-243	SIXSHOOTER CANYON
3001-244	PRINCE ALBERT DRAW	3001-311	BURNT CANYON	3001-312	DEAD MAN CANYON	3001-313	FORT LANCASTER
3001-314	BACHELOR HILL	3001-321	SHEFFIELD SE	3001-322	HORSEHEAD CANYON	3001-323	SHEFFIELD NW
3001-324	SHEFFIELD	3001-331	DEER CANYON	3001-332	DIVIDE COUNTRY	3001-333	IRAAN

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3001-334	TWELVEMILE CAMP	3001-341	OWENS CREEK SE	3001-342	OWENS CREEK SW	3001-343	OWENS CREEK NW
3001-344	OWENS CREEK NE	3001-411	OZONA SE	3001-412	BAGGETT RANCH	3001-413	OZONA
3001-414	CROCKETT HEIGHTS	3001-421	HUNT RANCH	3001-422	MITCHELL CANYON	3001-423	PIKES PEAK
3001-424	MITCHELL CANYON NE	3001-431	SCHNEEMANN DRAW SE	3001-432	SCHNEEMANN DRAW SW	3001-433	SCHNEEMANN DRAW NW
3001-434	SCHNEEMANN DRAW NE	3001-441	DOUBLE MILL DRAW SE	3001-442	INDIO HILL	3001-443	DOUBLE MILL DRAW NW
3001-444	DOUBLE MILL DRAW NE	3002-111	DRYDEN	3002-112	MOFETA	3002-113	DRYDEN NW
3002-114	DRYDEN NE	3002-121	SANDERSON SE	3002-122	HAGLER CANYON	3002-123	SANDERSON
3002-124	SANDERSON NE	3002-131	BIG CANYON RANCH	3002-132	BIG CANYON RANCH SW	3002-133	BIG CANYON RANCH NW
3002-134	BIG CANYON RANCH NE	3002-141	CONTINENTAL RANCH	3002-142	ALLEN RANCH	3002-143	CIRCLE DOT RANCH
3002-144	CIRCLE DOT RANCH NE	3002-211	BIG BRINDLE CANYON	3002-212	FRESNO CREEK	3002-213	LONGFELLOW
3002-214	NINEMILE RANCH	3002-221	TESNUS SE	3002-222	TESNUS	3002-223	HOusetop MOUNTAINS
3002-224	TESNUS NE	3002-231	CAP ROCK BUTTE	3002-232	DIMPLE HILLS	3002-233	MARATHON GAP
3002-234	REININGER DRAW	3002-241	TOMS CANYON	3002-242	FC RANCH	3002-243	EBERS CAMP
3002-244	BUSHER CANYON	3002-311	ROCK HOUSE DRAW	3002-312	PANTHER TANK	3002-313	ROCK HOUSE DRAW NW
3002-314	ROCK HOUSE DRAW NE	3002-321	SIERRA MADERA SE	3002-322	SIERRA MADERA	3002-323	SIERRA MADERA NW
3002-324	SIERRA MADERA NE	3002-331	FIVEMILE MESA	3002-332	TWELVEMILE MESA	3002-333	FORT STOCKTON WEST
3002-334	FORT STOCKTON EAST	3002-341	PANTHER BLUFF	3002-342	EAST MESA SW	3002-343	EAST MESA
3002-344	SADDLE BUTTE	3002-411	MITCHELL DRAW	3002-412	SEVENTEEN RANCH	3002-413	HAT-A RANCH
3002-414	SMOKY MTN RANCH	3002-421	HACKBERRY DRAW SE	3002-422	HACKBERRY DRAW SW	3002-423	HACKBERRY DRAW NW
3002-424	HACKBERRY DRAW NE	3002-431	SHERBINO MESA	3002-432	SKYSCRAPER PEAK	3002-433	BOOTLEG CANYON
3002-434	BAKERSFIELD	3002-441	INDIAN MESA SE	3002-442	SHERBINO RNCH	3002-443	INDIAN MESA
3002-444	INDIAN MESA NE	3003-111	HORSE MOUNTAIN	3003-112	PINA BLANCA MOUNTAINS	3003-113	MARATHON
3003-114	LIGHTNING HILLS	3003-121	SIMPSON SPRINGS MOUNTAIN	3003-122	ROCK HOUSE GAP	3003-123	DUGOUT MOUNTAIN
3003-124	BECKWITH HILLS	3003-131	GILLILAND PEAK	3003-132	ALTUDA	3003-133	BISSETT MTN
3003-134	OLD BLUE MTN	3003-141	WOLF CAMP HILLS	3003-142	LEONARD MTN	3003-143	HESS CANYON
3003-144	GLASS MTN RANCH	3003-211	ELEPHANT MOUNTAIN	3003-212	GOAT MOUNTAIN	3003-213	CATHEDRAL MOUNTAIN
3003-214	MOUNT ORD	3003-221	CACTUS FLAT	3003-222	DEVILS DEN	3003-223	TINAJA
3003-224	TINAJA NE	3003-231	PAISANO	3003-232	NOPAL	3003-233	MANO PRIETO MOUNTAIN
3003-234	MITRE PEAK	3003-241	BIRD MOUNTAIN	3003-242	ALPINE SOUTH	3003-243	ALPINE NORTH
3003-244	ELAM MOUNTAIN	3003-311	LAST CHANCE MESA	3003-312	HENDERSON MESA	3003-313	MAJOR PEAK
3003-314	LITTLE STAR MOUNTAIN	3003-321	FORT DAVIS SE	3003-322	FORT DAVIS	3003-323	CASKET MOUNTAIN

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3003-324	SWAYBACK MOUNTAIN	3003-331	BIG AGUJA MOUNTAIN	3003-332	LITTLE AGUJA MOUNTAIN	3003-333	ANTELOPE FLAT
3003-334	TOYAHVALE	3003-341	BARILLA MOUNTAINS EAST	3003-342	BARILLA MOUNTAINS WEST	3003-343	BALMORHEA
3003-344	COX DRAW	3003-411	CAVE MESA SE	3003-412	CAVE MESA	3003-413	CHANCELLOR
3003-414	CAVE MESA NE	3003-421	HOVEY	3003-422	HOVEY SW	3003-423	LEONCITA RANCH
3003-424	HOVEY NE	3003-431	DEEP WELL RANCH SE	3003-432	DEEP WELL RANCH	3003-433	DEEP WELL RANCH NW
3003-434	TUCKER HILL	3003-441	BELDING	3003-442	BELDING SW	3003-443	BELDING NW
3003-444	BELDING NE	3004-111	FRENCHMAN HILLS	3004-112	SAN ESTEBAN LAKE SW	3004-113	OAK CREEK
3004-114	SAN ESTEBAN LAKE	3004-121	CUESTA DEL BURRO EAST	3004-122	CUESTA DEL BURRO WEST	3004-123	CUESTA DEL BURRO NW
3004-124	OAK HILLS SOUTH	3004-131	OAK HILLS NORTH	3004-132	RYAN SW	3004-133	DEER PEAK
3004-134	RYAN	3004-141	MARFA	3004-142	ARAGON	3004-143	BURRO DRAW
3004-144	SMITH HILLS	3004-211	RUIDOSA HOT SPRINGS	3004-212	PUEBLO NUEVO	3004-213	CANDELARIA
3004-214	CAPOTE FALLS	3004-231	MC CUTCHEN RANCH	3004-234	QUINN CREEK	3004-241	CAPOTE PEAK
3004-242	MC COMB CANYON	3004-243	GETTYSBURG PEAK	3004-244	NANCY ANN RANCH	3004-311	VALENTINE WEST
3004-312	VIEJA PASS	3004-313	CHISPA	3004-314	DOWMAN CANYON	3004-321	SOLDIER SPRING
3004-322	BENNETT RANCH	3004-323	MESQUITE SPRING	3004-324	NINETY-SIX RANCH	3004-331	LOBO
3004-332	LOBO SW	3004-333	BASS CANYON	3004-334	VAN HORN WELLS	3004-341	MAYFIELD HILLS
3004-342	CHISPA MOUNTAIN	3004-343	CHISPA MOUNTAIN NW	3004-344	CHISPA MOUNTAIN NE	3004-411	BLUE MOUNTAIN
3004-412	PARADISE MOUNTAIN	3004-413	MOUNT LIVERMORE	3004-414	MOUNT LOCKE	3004-421	SAN ANTONIO PASS
3004-422	VALENTINE EAST	3004-423	HORSESHOE BUTTE	3004-424	EL MUERTO PEAK	3004-431	BARE MOUNTAIN
3004-432	BOGGY DRAW	3004-433	BORACHO PEAK	3004-434	HERDS PASS	3004-441	FRIEND MOUNTAIN
3004-442	ROBBERS ROOST CANYON	3004-443	ECHO CANYON	3004-444	BUCKHORN MOUNTAIN	3005-414	BRAMLETT RANCH
3005-431	INDIAN HOT SPRINGS	3005-433	SCHRODER ARROYO	3005-434	CEDAR ARROYO	3005-441	EAGLE MOUNTAINS SE
3005-442	EAGLE MOUNTAINS SW	3005-443	EAGLE MOUNTAINS NW	3005-444	EAGLE MOUNTAINS NE	3093-212	ORANGE
3093-213	ECHO	3093-221	ORANGEFIELD	3093-222	TERRY	3093-223	TEXLA
3093-224	MAURICEVILLE	3093-231	HARTHBURG	3093-232	GIST	3093-233	BUNA
3093-234	SUDDUTH BLUFF	3093-242	STARKS	3093-243	SHOATS CREEK	3093-312	BANCROFT
3093-313	BON WIER	3093-314	MERRYVILLE SOUTH	3093-321	TROUT CREEK	3093-322	CALL JUNCTION
3093-323	KIRBYVILLE	3093-324	BLEAKWOOD	3093-331	NEWTON WEST	3093-332	ROGANVILLE
3093-333	JASPER EAST	3093-334	JAMESTOWN	3093-341	MERRYVILLE NORTH	3093-342	NEWTON EAST
3093-343	SHANKLEVILLE	3093-344	EVANS	3094-111	BEAUMONT EAST	3094-112	BEAUMONT WEST
3094-113	VOTH	3094-114	PINE FOREST	3094-121	CHINA	3094-122	NOME

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3094-123	SOUR LAKE	3094-124	BEVIL OAKS	3094-131	KOUNTZE SOUTH	3094-132	KOUNTZE SW
3094-133	VILLAGE MILLS	3094-134	KOUNTZE NORTH	3094-141	EVADALE	3094-142	SILSBEE
3094-143	DESERTER BAYGALL	3094-144	FRANKLIN LAKE	3094-211	DEVERS	3094-212	DAISETTA
3094-213	HARDIN	3094-214	THORSON GULLY	3094-221	LIBERTY	3094-222	DAYTON
3094-223	SIMMONS BOTTOM	3094-224	CAPERS RIDGE	3094-231	DAVIS HILL	3094-232	TARKINGTON PRAIRIE
3094-233	RAYBURN	3094-234	ROMAYOR	3094-241	SARATOGA	3094-242	ARIZONA CREEK
3094-243	VOTAW	3094-244	BRAGG	3094-311	JACKS CREEK SOUTH	3094-312	SEGNO
3094-313	DALLARDSVILLE	3094-314	JACKS CREEK NORTH	3094-321	SCHWAB CITY	3094-322	GOODRICH
3094-323	LIVINGSTON	3094-324	SODA	3094-331	LEGGETT	3094-332	NEW WILLARD
3094-333	CARMONA	3094-334	CORRIGAN	3094-341	CHAMBLISS HILL	3094-342	HORTENSE
3094-343	CAMDEN	3094-344	CHESTER	3094-411	POTATO PATCH LAKE	3094-412	FRED
3094-413	SPURGER	3094-414	MAGNOLIA SPRINGS	3094-421	HICKSBAUGH	3094-422	WARREN
3094-423	HILLISTER	3094-424	KIRKPATRICK LAKE	3094-431	BIRDWELL LAKE	3094-432	WOODVILLE
3094-433	COLMESNEIL	3094-434	BOGGY LAKE	3094-441	BEECH GROVE	3094-442	TOWN BLUFF
3094-443	PACE HILL	3094-444	JASPER WEST	3095-111	HUFFMAN	3095-112	MOONSHINE HILL
3095-113	SPLENDORA	3095-114	PLUM GROVE	3095-121	MAEDAN	3095-122	SPRING
3095-123	TAMINA	3095-124	OUTLAW POND	3095-131	CUT AND SHOOT	3095-132	CONROE
3095-133	WILLIS	3095-134	CONROE NE	3095-141	CLEVELAND	3095-142	FOSTORIA
3095-143	BEAR CREEK	3095-144	WESTCOTT	3095-211	TOMBALL	3095-212	ROSE HILL
3095-213	MAGNOLIA EAST	3095-214	OKLAHOMA	3095-221	HOCKLEY	3095-222	WALLER
3095-223	WALLER NW	3095-224	MAGNOLIA WEST	3095-231	PLANTERSVILLE	3095-232	STONEHAM
3095-233	ANDERSON	3095-234	DACUS	3095-241	COWL SPUR	3095-242	KEENAN
3095-243	MONTGOMERY	3095-244	SHEPHARD HILL	3095-311	MOORE GROVE	3095-312	SAN JACINTO
3095-313	GALILEE	3095-314	HUNTSVILLE	3095-321	RICHARDS	3095-322	ROANS PRAIRIE
3095-323	SINGLETON	3095-324	LOMA	3095-331	STEEP BRANCH	3095-332	BEDIAS
3095-333	MADISONVILLE	3095-334	CONNOR	3095-341	PINE PRAIRIE	3095-342	CRABBS PRAIRIE
3095-343	BAKER LAKE	3095-344	WYSER BOTTOM	3095-411	CAMILLA	3095-412	COLDSPRING
3095-413	STEPHEN CREEK	3095-414	BLANCHARD	3095-421	MAYNARD	3095-422	NEW WAVERLY
3095-423	PHELPS	3095-424	OAKHURST	3095-431	STALEY	3095-432	RIVERSIDE
3095-433	TRINITY WEST	3095-434	TRINITY EAST	3095-441	ONALASKA	3095-442	CARLISLE
3095-443	CHITA	3095-444	COLITA	3096-111	HEMPSTEAD	3096-112	BUCKHORN

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3096-113	DANIELS	3096-114	HOWTH	3096-121	KENNEY	3096-122	WELCOME
3096-123	BRENHAM	3096-124	CHAPPELL HILL	3096-131	INDEPENDENCE	3096-132	GAY HILL
3096-133	SNOOK	3096-134	CLAY	3096-141	COURTNEY	3096-142	WASHINGTON
3096-143	MILLICAN	3096-144	NAVASOTA	3096-211	GREENVINE	3096-212	ROUND TOP
3096-213	CARMINE	3096-214	BURTON	3096-221	NECHANITZ	3096-222	WARDA
3096-223	GIDDINGS	3096-224	LEDBETTER	3096-231	DIME BOX	3096-232	LINCOLN
3096-233	TANGLEWOOD	3096-234	DEANVILLE	3096-241	SOMERVILLE	3096-242	FLAG POND
3096-243	FRENSTAT	3096-244	LYONS	3096-311	TUNIS	3096-312	CALDWELL
3096-313	GOODWILL	3096-314	MUMFORD	3096-321	CHRISMAN	3096-322	HICKS
3096-323	ROCKDALE EAST	3096-324	MILANO	3096-331	HANOVER	3096-332	CAMERON
3096-333	BEN ARNOLD	3096-334	MAYSFIELD	3096-341	HEARNE SOUTH	3096-342	GAUSE
3096-343	CALVERT	3096-344	HEARNE NORTH	3096-411	CARLOS	3096-412	FERGUSON CROSSING
3096-413	RELIANCE	3096-414	KEITH	3096-421	WELLBORN	3096-422	CHANCES STORE
3096-423	BRYAN WEST	3096-424	BRYAN EAST	3096-431	KURTEN	3096-432	DUNN CREEK
3096-433	WHEELOCK	3096-434	EDGE	3096-441	IOLA	3096-442	CLEAR LAKE
3096-443	CANARY	3096-444	NORTH ZULCH	3097-111	WINCHESTER	3097-112	SMITHVILLE
3097-113	SMITHVILLE NW	3097-114	PAIGE	3097-121	BASTROP	3097-122	BASTROP SW
3097-123	ATLEY	3097-123	UTLEY	3097-124	LAKE BASTROP	3097-131	ELGIN EAST
3097-132	ELGIN WEST	3097-133	COUPLAND	3097-134	STRUCTURE	3097-141	FEDOR
3097-142	MC DADE	3097-143	BEAUKISS	3097-144	LEXINGTON	3097-211	LYTTON SPRINGS
3097-212	CREEDMOOR	3097-213	MONTOPOLIS	3097-214	WEBBERVILLE	3097-221	BUDA
3097-222	MOUNTAIN CITY	3097-223	SIGNAL HILL	3097-224	OAK HILL	3097-231	AUSTIN WEST
3097-232	BEE CAVE	3097-233	MANSFIELD DAM	3097-234	JOLLYVILLE	3097-241	MANOR
3097-242	AUSTIN EAST	3097-243	PFLUGERVILLE WEST	3097-244	PFLUGERVILLE EAST	3097-311	HUTTO
3097-312	ROUND ROCK	3097-313	GEORGETOWN	3097-314	WEIR	3097-321	LEANDER
3097-322	NAMELESS	3097-323	LIBERTY HILL	3097-324	LEANDER NE	3097-331	FLORENCE
3097-332	MAHOMET	3097-333	BRIGGS	3097-334	DING DONG	3097-341	JARRELL
3097-342	COBBS CAVERN	3097-343	YOUNGSPORT	3097-344	SALADO	3097-411	ALCOA LAKE
3097-412	THORNDALE	3097-413	SAN GABRIEL	3097-414	ROCKDALE WEST	3097-421	THRALL
3097-422	TAYLOR	3097-423	GRANGER	3097-424	GRANGER LAKE	3097-431	DAVILLA
3097-432	BARTLETT	3097-433	HOLLAND	3097-434	LITTLE RIVER	3097-441	PETTIBONE

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3097-442	SHARP	3097-443	ROGERS	3097-444	YARRELTON	3098-111	DRIFTWOOD
3098-112	ROUGH HOLLOW	3098-113	HENLY	3098-114	DRIPPING SPRINGS	3098-121	PAYTON
3098-122	BLANCO	3098-123	MONUMENT HILL	3098-124	YEAGER CREEK	3098-131	PEDERNALES FALLS
3098-132	JOHNSON CITY	3098-133	HOWELL MOUNTAIN	3098-134	ROUND MOUNTAIN	3098-141	SHINGLE HILLS
3098-142	HAMMETTS CROSSING	3098-143	SPICEWOOD	3098-144	PACE BEND	3098-211	CRABAPPLE CREEK
3098-212	WHITWORTH RANCH	3098-213	STONEWALL	3098-214	HYE	3098-221	RAFTER HOLLOW
3098-222	CYPRESS CREEK	3098-223	LADY BIRD JOHNSON PARK	3098-224	CAIN CITY	3098-231	FREDERICKSBURG EAST
3098-232	FREDERICKSBURG WEST	3098-233	CHERRY MOUNTAIN	3098-234	CRABAPPLE	3098-241	ROCKY CREEK
3098-242	CAVE CREEK SCHOOL	3098-243	WILLOW CITY	3098-244	BLOWOUT	3098-311	CLICK
3098-312	OXFORD	3098-313	LLANO SOUTH	3098-314	CAP MOUNTAIN	3098-321	ENCHANTED ROCK
3098-322	HOUSE MOUNTAIN	3098-323	CASTELL	3098-324	SCOTTS CROSSING	3098-331	VALLEY SPRING
3098-332	SMOOTHINGIRON MOUNTAIN	3098-333	PONTOTOC	3098-334	MAGILL MOUNTAIN	3098-341	LONE GROVE
3098-342	LLANO NORTH	3098-343	CHEROKEE	3098-344	INDIAN HILLS	3098-411	TRAVIS PEAK
3098-412	SMITHWICK	3098-413	MORMON MILL	3098-414	BERTRAM	3098-421	MARBLE FALLS
3098-422	DUNMAN MOUNTAIN	3098-423	KINGSLAND	3098-424	LONGHORN CAVERN	3098-431	COUNCIL CREEK
3098-432	LAKE BUCHANAN	3098-433	TOW	3098-434	NARUNA	3098-441	JOPPA
3098-442	BURNET	3098-443	LAKE VICTOR	3098-444	BACHELOR PEAK	3099-111	LEGION
3099-112	KERRVILLE	3099-113	NOTT BRANCH	3099-114	MORRIS RANCH	3099-121	HUNT
3099-122	BEE CAVES CREEK	3099-123	CONTRARY CREEK	3099-124	MOUNTAIN HOME	3099-131	HARPER WEST
3099-132	OLD NOXVILLE	3099-133	NOXVILLE	3099-134	THE FALLS	3099-141	ROUNDHEAD
3099-142	HARPER EAST	3099-143	DOSS	3099-144	CHERRY SPRING	3099-211	BONEYARD DRAW
3099-212	GARVEN STORE	3099-213	Y O RANCH	3099-214	LIVE OAK RANCH	3099-221	EARWOOD CREEK
3099-222	EARWOOD CREEK SW	3099-223	BRADFORD CREEK	3099-224	HORSE CAMP WATERHOLE	3099-231	JUNCTION SE
3099-232	TELEGRAPH	3099-233	BAILEY CREEK	3099-234	JUNCTION	3099-241	MUDGE DRAW
3099-242	ALLEN CREEK	3099-243	SEGOVIA	3099-244	TOBE BRANCH	3099-311	YATES
3099-312	BIG DRAW	3099-313	BREWER HOLLOW	3099-314	LONDON	3099-321	ELM SLOUGH
3099-322	STARK CREEK	3099-323	RUST RANCH	3099-324	JULIO DRAW	3099-331	SPOON DRAW
3099-332	SAN AUGUSTINE DRAW	3099-333	CLEAR CREEK LAKE	3099-334	MENARD	3099-341	HEXT
3099-342	EAST ELM CREEK	3099-343	CHAPMAN DRAW	3099-344	ROBBERS ROOST	3099-411	LOYAL VALLEY
3099-412	PANTHER CREEK	3099-413	MASON	3099-414	ART	3099-421	MONUMENT MOUNTAIN SE
3099-422	MONUMENT MOUNTAIN	3099-423	SHEEP RUN CREEK	3099-424	TURTLE CREEK	3099-431	GRIT

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3099-432	LONG MOUNTAIN	3099-433	CALF CREEK	3099-434	KATEMCY	3099-441	FLY GAP
3099-442	PURDY HILL	3099-443	SPY ROCK	3099-444	FREDONIA	3100-111	DEL VENADO RANCH
3100-112	ROCKING CHAIR RANCH	3100-113	KICKAPOO SPRING	3100-114	BURR OAK CREEK	3100-121	CHRISTOVAL SE
3100-122	CAVE SPRING	3100-123	CHRISTOVAL	3100-124	SUSAN PEAK	3100-131	WALL
3100-132	PECAN STATION	3100-133	SAN ANGELO SOUTH	3100-134	VERIBEST	3100-141	VICK
3100-142	VANCOURT	3100-143	MERETA	3100-144	EOLA	3100-211	HULLDALE
3100-212	HULLDALE SW	3100-213	HULLDALE NW	3100-214	COLD CREEK SPRING	3100-221	NOELKE SE
3100-222	NOELKE SW	3100-223	NOELKE	3100-224	NOELKE NE	3100-231	MERTZON
3100-232	MERTZON SW	3100-233	WALLACE DRAW	3100-234	ARDEN	3100-241	KNICKERBOCKER
3100-242	TANKERSLEY	3100-243	KNICKERBOCKER NW	3100-244	TWIN BUTTES	3100-311	MOUNT NEBO
3100-312	CARLSBAD	3100-313	WATER VALLEY	3100-314	MURPH DRAW	3100-321	DOG CREEK
3100-322	DOG CREEK SW	3100-323	DOG CREEK NW	3100-324	DOG CREEK NE	3100-331	BROOME
3100-332	STERLING CITY	3100-333	STERLING CITY NW	3100-334	CRAWFORD SLIDE	3100-341	MILLCAN MOUNTAINS
3100-342	DIVIDE	3100-343	GREEN MOUNTAIN	3100-344	EDITH	3100-411	LOWAKE
3100-412	MILES	3100-413	MILES NW	3100-414	ROWENA	3100-421	HARRIET
3100-422	SAN ANGELO NORTH	3100-423	PECAN MOTT	3100-424	TENNYSON	3100-431	SHAWVILLE
3100-432	CEMENT MOUNTAIN	3100-433	ROBERT LEE	3100-434	BRONTE	3100-441	HERRING RANCH
3100-442	MAVERICK	3100-443	HOG MOUNTAIN	3100-444	WILMETH	3101-111	SUGGS
3101-112	BARNHART SW	3101-113	BARNHART	3101-114	BARNHART NE	3101-121	BIG LAKE SE
3101-122	BIG LAKE SW	3101-123	BIG LAKE	3101-124	WITCO	3101-131	SOUTH MUSTANG DRAW SE
3101-132	DIVIDE DRAW	3101-133	MOORE HILL	3101-134	SOUTH MUSTANG DRAW NE	3101-141	KETCHUM MOUNTAIN
3101-142	ROCKER B RANCH	3101-143	CAUSEY DRAW	3101-144	BRADFORD DRAW	3101-211	TEXON SE
3101-212	LONE MOUNTAIN	3101-213	TEXON	3101-214	BEST	3101-221	RANKIN SE
3101-222	CEDAR CANYON	3101-223	RANKIN	3101-224	RANKIN NE	3101-231	SEVENMILE CORNER SE
3101-232	SEVENMILE CORNER	3101-233	LINDSEY RANCH	3101-234	SEVENMILE CORNER NE	3101-241	GARDENER DRAW
3101-242	GARRISON DRAW	3101-243	STILES NW	3101-244	STILES	3101-311	SAINT LAWRENCE SE
3101-312	SLAGER LAKE	3101-313	BIGBY CORNER	3101-314	SAINT LAWRENCE	3101-321	MIDKIFF SE
3101-322	MIDKIFF SW	3101-323	MIDKIFF NW	3101-324	MIDKIFF	3101-331	PECKS LAKE
3101-332	SALT LAKE	3101-333	STEPHENSON LAKE	3101-334	SPRABERRY	3101-341	DEWEY LAKE SE
3101-342	PATTERSON LAKE	3101-343	DEWEY LAKE	3101-344	DEWEY LAKE NE	3101-411	COON DIVE DRAW
3101-412	HAY HOLLOW	3101-413	COON DIVE DRAW NW	3101-414	DRIPPING SPRINGS DRAW	3101-421	THREE BLUFF DRAW

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3101-422	THREE BLUFF DRAW SW	3101-423	THREE BLUFF DRAW NW	3101-424	THREE BLUFF DRAW NE	3101-431	CURRIE RESERVOIR
3101-432	GARDEN CITY	3101-433	BALLINGER RANCH	3101-434	GARDEN CITY NE	3101-441	CUMBIE DRAW
3101-442	GLASS RANCH	3101-443	SAND BLUFF DRAW	3101-444	CUMBIE DRAW NE	3102-111	TABLE TOP MOUNTAIN
3102-112	MC CAMEY SOUTH	3102-113	MC CAMEY NORTH	3102-114	SQUARE TOP MOUNTAIN	3102-121	GIRVIN SE
3102-122	GIRVIN	3102-123	GIRVIN NW	3102-124	GIRVIN NE	3102-131	CASTLE GAP
3102-132	CRANE SW	3102-133	CRANE NW	3102-134	CRANE	3102-141	MARLBORO CANYON SE
3102-142	MARLBORO CANYON	3102-143	MC ELROY RANCH	3102-144	HANKS RANCH	3102-211	OWEGO
3102-212	BUENA VISTA SW	3102-213	BUENA VISTA	3102-214	BUENA VISTA NE	3102-221	DIAMOND Y SPRING SE
3102-222	DIAMOND Y SPRING	3102-223	DIAMOND Y SPRING NW	3102-224	DIAMOND Y SPRING NE	3102-231	GRANDFALLS
3102-232	GRANDFALLS SW	3102-233	7 L RANCH	3102-234	OZARK LAKE	3102-241	JUAN CORDONA LK
3102-242	IMPERIAL	3102-243	IMPERIAL NW	3102-244	TUBBS CORNER	3102-311	PENWELL SE
3102-312	PENWELL SW	3102-313	METZ	3102-314	PENWELL	3102-321	MONAHANS SE
3102-322	MONAHANS	3102-323	CHINA RANCH	3102-324	COWDEN PLACE	3102-331	AMBURGEY RANCH
3102-332	WHEELER RANCH	3102-333	NOTREES NW	3102-334	NOTREES	3102-341	DOURO
3102-342	RED LAKES	3102-343	TURNBAUGH CORNER	3102-344	GOLDSMITH	3102-411	BENGE CORNER SE
3102-412	BENGE CORNER SW	3102-413	BENGE CORNER NW	3102-414	BENGE CORNER	3102-421	PERKINS LAKE
3102-422	DOODLE BUG WELL	3102-423	CLARK BROTHERS RANCH	3102-424	SOUTH COWDEN RANCH	3102-431	ODESSA SE
3102-432	ODESSA SW	3102-433	ODESSA NW	3102-434	ODESSA NE	3102-441	BRYANT RANCH
3102-442	PARKS	3102-443	SW MIDLAND	3102-444	SE MIDLAND	3103-111	COYANOSA SE
3103-112	COYANOSA SW	3103-113	COYANOSA NW	3103-114	COYANOSA	3103-121	NORTH OF TUCKER HILL
3103-122	BARRILLA DRAW SOUTH	3103-123	BARRILLA DRAW NORTH	3103-124	EAST OF BARRILLA DRAW NORTH	3103-131	OLD X RANCH
3103-132	TOYAH LAKE	3103-133	PECOS EAST	3103-134	QUITTO DRAW	3103-141	RIO PECOS RANCH
3103-142	LIGON RANCH	3103-143	CHINA LAKE	3103-144	CHINA LAKE NE	3103-211	VERHALEN SOUTH
3103-212	SARAGOSA	3103-213	SARAGOSA NW	3103-214	VERHALEN NORTH	3103-221	MEIER HILLS
3103-222	SOTOL HILL	3103-223	GOZAR	3103-224	FLORENZO HILL	3103-231	TOYAH
3103-232	TOYAH SW	3103-233	TOYAH NW	3103-234	BIG HILL	3103-241	WORSHAM
3103-242	HERMOSA SW	3103-243	HERMOSA	3103-244	PECOS WEST	3103-311	SAND LAKE
3103-312	MENTONE SW	3103-313	ANDERSON RANCH	3103-314	MENTONE	3103-321	HALAMICEK RANCH
3103-322	W T RANCH	3103-323	THREE MILE DRAW	3103-324	NARROW BOW DRAW	3103-331	ORLA SE
3103-332	ORLA	3103-333	RED BLUFF	3103-334	ORLA NE	3103-341	RUDD DRAW
3103-342	LINDLEY RANCH	3103-343	KYLE RANCH	3103-344	RUDD DRAW NE	3103-411	PYOTE EAST

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3103-412	PYOTE WEST	3103-413	WINK SOUTH	3103-414	PYOTE NE	3103-421	SODA LAKE SE
3103-422	SODA LAKE	3103-423	SODA LAKE NW	3103-424	SODA LAKE NE	3103-431	CHEYENNE DRAW SE
3103-432	CHEYENNE DRAW SW	3103-433	BRUNSON RANCH	3103-434	CHEYENNE DRAW	3103-441	KERMIT
3103-442	WINK NORTH	3103-443	KERMIT NW	3103-444	VESRUE	3104-111	GOMEZ PEAK
3104-112	KENT	3104-113	IRON MOUNTAIN	3104-114	SAN MARTINE	3104-121	FENCEPOST DRAW
3104-122	BORACHO	3104-123	EAST HUNTER CANYON	3104-124	PANTHER CANYON	3104-131	HOPPER DRAW WEST
3104-132	DOME HILL	3104-133	LONEMAN MOUNTAIN	3104-134	DELLAHUNT DRAW WEST	3104-141	BURNT SPRING HILLS SE
3104-142	HOPPER DRAW EAST	3104-143	DELLAHUNT DRAW EAST	3104-144	BURNT SPRING HILLS	3104-211	PLATEAU
3104-212	WILD HORSE	3104-213	WATSON RANCH	3104-214	GOAT CANYON	3104-221	VAN HORN
3104-222	HACKETT PEAK	3104-223	SHEEP PEAK	3104-224	NUTT RANCH	3104-231	VICTORIO PEAK
3104-232	COLLIER MESA	3104-233	APACHE PEAK	3104-234	FIGURE TWO RANCH	3104-241	SEVEN HEART GAP
3104-242	SQUARE MESA	3104-243	SEVEN HEART GAP NW	3104-244	DELAWARE RANCH	3104-311	EMORY CORRAL
3104-312	BURRO CANYON	3104-313	CHICO DRAW WEST	3104-314	CHICO DRAW EAST	3104-321	BITTER WELL MOUNTAIN
3104-322	BITTER WELL MOUNTAIN SW	3104-323	BITTER WELL MOUNTAIN NW	3104-324	SIX BAR RANCH	3104-331	GUADALUPE PASS
3104-332	PATTERSON HILLS	3104-333	PX FLAT	3104-334	GUADALUPE PEAK	3104-341	COW MOUNTAIN
3104-342	LONG POINT	3104-343	INDEPENDENCE SPRING	3104-344	SOUTH RECTOR CANYON	3104-411	DRY LAKE
3104-412	TWO MILL DRAW EAST	3104-413	RUSTLER HILLS	3104-414	DERRICK DRAW	3104-421	TWO MILL DRAW WEST
3104-422	KC RANCH	3104-423	SEVEN L PEAK	3104-424	SEVEN L PEAK NE	3104-431	CASTILE HILL
3104-432	DELAWARE SPRING	3104-433	ALLIGATOR DRAW	3104-434	OUTLAW SPRING	3104-441	SCREWBEAN DRAW EAST
3104-442	SCREWBEAN DRAW WEST	3104-443	OWL HILLS	3104-444	SCREWBEAN DRAW NE	3105-111	ALLAMOORE
3105-112	GRAYTON LAKE	3105-113	DOME PEAK	3105-114	BEAN HILLS	3105-121	DEVIL RIDGE
3105-122	SIERRA BLANCA SW	3105-123	LASCA	3105-124	SIERRA BLANCA	3105-131	PIERCE RANCH
3105-132	GUNSIGHT HILLS SOUTH	3105-133	GUNSIGHT HILLS NORTH	3105-134	BLACK HILLS	3105-141	SNEED MOUNTAIN
3105-142	MOVIE MOUNTAIN	3105-143	NORTON MESA	3105-144	SNEED MOUNTAIN NE	3105-211	NEELY CANYON
3105-213	ESPERANZA	3105-214	SILVER KING CANYON	3105-224	MC NARY	3105-231	FORT HANCOCK
3105-232	ACALA	3105-233	FORT HANCOCK NW	3105-234	CAVETT LAKE	3105-241	SMALL
3105-242	CAMPO GRANDE MOUNTAIN	3105-243	DIABLO CANYON WEST	3105-244	DIABLO CANYON EAST	3105-311	GRANITE MOUNTAIN
3105-312	TEPEE BUTTE SW	3105-313	TEPEE BUTTE	3105-314	MOLESWORTH MESA SOUTH	3105-321	WHITEROCK HILLS
3105-322	T P WELL	3105-323	PADRE CANYON	3105-324	WILDHORSE DRAW	3105-331	BUCKHORN DRAW WEST
3105-332	PHONE LINE CANYON	3105-333	CERRO ALTO MOUNTAIN	3105-334	HOBO TANK	3105-341	MOLESWORTH MESA NORTH
3105-342	BUCKHORN DRAW EAST	3105-343	BIG HEISER TANK	3105-344	SIXTEEN MOUNTAINS	3105-411	BABB CANYON

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3105-412	BLACK MOUNTAINS	3105-413	BLACK MOUNTAINS NW	3105-414	SALT FLAT	3105-421	SCRATCH RANCH
3105-422	BAYLOR DRAW	3105-423	ADOBE HOUSE TANK	3105-424	HUECO STATION	3105-431	MICKEY DRAW WEST
3105-432	CORNUDAS	3105-433	CERRO DIABLO	3105-434	C AND L DRAW	3105-441	LINDA LAKE SOUTH
3105-442	MICKEY DRAW EAST	3105-443	DELL CITY	3105-444	LINDA LAKE NORTH	3106-143	ISLA
3106-144	TORNILLO	3106-341	SMELTERTOWN	3106-342	STRAUSS	3106-343	LA UNION
3106-344	CANUTILLO	3106-411	CLINT SE	3106-412	CLINT	3106-413	CLINT NW
3106-414	CLINT NE	3106-421	SAN ELIZARIO	3106-423	YSLETA NW	3106-424	YSLETA
3106-431	FORT BLISS SE	3106-432	EL PASO	3106-433	NORTH FRANKLIN MOUNTAIN	3106-434	FORT BLISS NE
3106-441	HELMS WEST WELL	3106-442	NATIONS SOUTH WELL	3106-443	NATIONS EAST WELL	3106-444	HUECO TANKS
3193-211	WIERGATE SE	3193-212	WIERGATE	3193-213	FAIRMOUNT	3193-214	HADDENS
3193-221	WEEKS SETTLEMENT	3193-222	HARRISBURG	3193-223	PINELAND SOUTH	3193-224	HURRICANE CREEK
3193-231	HEMPHILL	3193-232	PINELAND NORTH	3193-233	GENEVA	3193-234	MILAM
3193-241	TORO	3193-242	NEGREET SW	3193-243	SALTER CREEK	3193-312	BEECH BAYOU
3193-321	EAST HAMILTON	3193-322	PATROON SOUTH	3193-323	PATROON NORTH	3193-324	BRUSHY CREEK
3193-331	UNION SPRINGS	3193-332	HUXLEY	3193-333	LOGANSPOUT EAST		
3194-111	MC GEE BEND	3194-112	EBENEZER	3194-113	VEACH	3194-114	BUCK BAY
3194-121	BOYKIN SPRING	3194-122	ROCKLAND	3194-123	ZAVALLA	3194-124	CASSELLS BOYKIN PARK
3194-131	BROADDUS	3194-132	ETOILE SOUTH	3194-133	ETOILE NORTH	3194-134	CHIRENO SOUTH
3194-141	BRONSON	3194-142	HARVEY CREEK	3194-143	NORWOOD	3194-144	CHINQUAPIN
3194-211	WOLF HILL	3194-212	PLUCK	3194-213	BALD HILL	3194-214	MANNING
3194-221	WAKEFIELD	3194-222	TREVAT	3194-223	APPLE SPRINGS	3194-224	DIBOLL
3194-231	KELTYS	3194-232	WELLS SW	3194-233	WELLS	3194-234	CLAWSON
3194-241	HUNTINGTON	3194-242	LUFKIN	3194-243	REDLAND	3194-244	PLATT
3194-311	WODEN	3194-312	NACOGDOCHES SOUTH	3194-313	NACOGDOCHES NORTH	3194-314	APPLEBY
3194-321	LAKE NACOGDOCHES SOUTH	3194-322	DURST LAKES	3194-323	DOUGLASS	3194-324	LAKE NACOGDOCHES NORTH
3194-331	CUSHING	3194-332	REKLAW	3194-333	NEW SALEM	3194-334	LANEVILLE
3194-341	GARRISON WEST	3194-342	TRAWICK	3194-343	MOUNT ENTERPRISE	3194-344	CALEDONIA
3194-411	SAN AUGUSTINE EAST	3194-412	SAN AUGUSTINE WEST	3194-413	NEUVILLE	3194-414	HURSTOWN
3194-421	CHIRENO NORTH	3194-422	MELROSE	3194-423	MARTINSVILLE	3194-424	MOUNT HERMAN
3194-431	ARCADIA	3194-432	GARRISON EAST			3194-433	TIMPSON
		3194-434	TENAHA WEST	3194-441	SHELBYVILLE	3194-442	CENTER

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3194-443	TENAHA EAST	3194-444	LOGANSPORT WEST	3195-111	GROVETON EAST	3195-112	GROVETON WEST
3195-113	PENNINGTON	3195-114	CRECY	3195-121	GLENDALE	3195-122	LOVELADY SOUTH
3195-123	LOVELADY NORTH	3195-124	FODICE	3195-131	BEREA	3195-132	CROCKETT
3195-133	GRAPELAND	3195-134	CROCKETT NE	3195-141	CENTRALIA	3195-142	KENNARD
3195-143	RATCLIFF	3195-144	KENNARD NE	3195-211	WELDON	3195-212	SAND RIDGE
3195-213	AUSTONIO	3195-214	PEARSONS CHAPEL	3195-221	ELWOOD	3195-222	LEONA SW
3195-223	LEONA	3195-224	MIDDLETON	3195-231	EUNICE	3195-232	CENTERVILLE
3195-233	FLO	3195-234	LAKE LEON	3195-241	PORTER SPRINGS	3195-242	HALLS BLUFF
3195-243	STANMIRE LAKE	3195-244	HAYS SPRING	3195-311	ELKHART CREEK	3195-312	INDIAN LAKE
3195-313	SOUTHWEST PALESTINE	3195-314	SOUTHEAST PALESTINE	3195-321	OAKWOOD	3195-322	KEECHI
3195-323	BUTLER	3195-324	LONG LAKE	3195-331	TENNESSEE COLONY	3195-332	YARD
3195-333	CAYUGA	3195-334	BLACKFOOT	3195-341	NORTHEAST PALESTINE	3195-342	NORTHWEST PALESTINE
3195-343	WILKERSON MOUNTAIN	3195-344	PERT	3195-411	FOREST	3195-412	WECHES
3195-413	PRYOR MOUNTAIN	3195-414	ALTO	3195-421	AUGUSTA	3195-422	PERCILLA
3195-423	SLOCUM	3195-424	DENSON SPRINGS	3195-431	MAYDELLE	3195-432	NECHES
3195-433	TODD CITY	3195-434	JACKSONVILLE WEST	3195-441	ATOY	3195-442	RUSK
3195-443	JACKSONVILLE EAST	3195-444	NEW SUMMERFIELD	3196-111	NORMANGEE	3196-112	HILLTOP LAKES
3196-113	MARGIE	3196-114	SPRING SEAT	3196-121	CAMP CREEK LAKE	3196-122	FRANKLIN
3196-123	BALD PRAIRIE	3196-124	MARQUEZ	3196-131	ROUND PRAIRIE	3196-132	OLETHA
3196-133	BOX CHURCH	3196-134	FARRAR	3196-141	ROBBINS	3196-142	JEWETT
3196-143	DONIE	3196-144	BUFFALO	3196-211	OWENSVILLE	3196-212	HAMMOND
3196-213	BREMOND	3196-214	PETTEWAY	3196-221	BAILEYVILLE	3196-222	ROSEBUD
3196-223	CEDAR SPRINGS	3196-224	REAGAN	3196-231	MC LANAHAN	3196-232	MARLIN
3196-233	RIESEL	3196-234	OTTO	3196-241	KOSSE EAST	3196-242	KOSSE WEST
3196-243	ODDS	3196-244	THORNTON	3196-311	GROESBECK	3196-312	BEN HUR
3196-313	ECHOLS	3196-314	TEHUACANA	3196-321	MART	3196-322	ELK
3196-323	AXTELL	3196-324	PRAIRIE HILL	3196-331	HUBBARD	3196-332	PENELOPE
3196-333	MALONE	3196-334	IRENE	3196-341	UNION HIGH	3196-342	COOLIDGE
3196-343	DAWSON	3196-344	PURDON	3196-411	LANELY	3196-412	DEW
3196-413	FAIRFIELD	3196-414	TURLINGTON	3196-421	TEAGUE SOUTH	3196-422	FALLON
3196-423	MEXIA	3196-424	TEAGUE NORTH	3196-431	KIRVIN	3196-432	WORTHAM

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3196-433	RICHLAND	3196-434	STREETMAN	3196-441	YOUNG	3196-442	STEWARDS MILL
3196-443	WINKLER	3196-444	ROUSTABOUT CAMP	3197-111	WESTPHALIA	3197-112	SEATON
3197-113	BELFALLS	3197-114	LOTT	3197-121	TEMPLE	3197-122	BELTON
3197-123	MOFFAT	3197-124	TROY	3197-131	MOODY	3197-132	EAGLE SPRINGS
3197-133	MC GREGOR	3197-134	SOUTH BOSQUE	3197-141	CHILTON	3197-142	BRUCEVILLE
3197-143	LORENA	3197-144	ROBINSON	3197-211	NOLANVILLE	3197-212	KILLEEN
3197-213	POST OAK MOUNTAIN	3197-214	BLAND	3197-221	MC MILLAN MOUNTAINS	3197-222	COPPERAS COVE
3197-223	TWIN MOUNTAINS	3197-224	FORT HOOD	3197-231	SHELL MOUNTAINS	3197-232	PIDCOKE
3197-233	PURMELA	3197-234	GATESVILLE WEST	3197-241	LEON JUNCTION	3197-242	NORTH FORT HOOD
3197-243	GATESVILLE EAST	3197-244	OGLESBY	3197-311	CORYELL	3197-312	TURNERSVILLE
3197-313	HURST SPRING	3197-314	MOSHEIM	3197-321	ATER	3197-322	JONESBORO
3197-323	CUTOFF MTN.	3197-324	GERMAN VALLEY	3197-331	CRANFILLS GAP	3197-332	FAIRY
3197-333	SPRING CREEK GAP	3197-334	IREDELL	3197-341	CLIFTON	3197-342	SUGARLOAF MOUNTAIN
3197-343	MERIDIAN	3197-344	PILOT KNOB	3197-411	WACO EAST	3197-412	WACO WEST
3197-413	GHOLSON	3197-414	ELM MOTT	3197-421	SPEEGLEVILLE	3197-422	CRAWFORD
3197-423	VALLEY MILLS	3197-424	CHINA SPRINGS	3197-431	SMITHS BEND	3197-432	LAGUNA PARK
3197-433	ALLEN BEND	3197-434	WHITNEY	3197-441	WEST	3197-442	AQUILLA
3197-443	PEORIA	3197-444	ABBOTT	3198-111	KEMPNER	3198-112	LAMPASAS
3198-113	FLAT TOP PEAK	3198-114	RUMLEY	3198-121	NIX	3198-122	GORMAN FALLS
3198-123	LOMETA	3198-124	OGLES	3198-131	CASTLE PEAK	3198-132	ANTELOPE GAP
3198-133	CENTER CITY	3198-134	STAR	3198-141	IZORO	3198-142	ADAMSVILLE
3198-143	EVANT	3198-144	PEARL	3198-211	BEND	3198-212	BEAR HOLLOW
3198-213	SAN SABA	3198-214	WOLF RIDGE	3198-221	BUFFALO KNOB	3198-222	BRADY MOUNTAIN
3198-223	BAKER SPRING	3198-224	ALGERITA	3198-231	BLUCHER MOUNTAIN	3198-232	RICHLAND SPRINGS
3198-233	BOWSER	3198-234	REGENCY	3198-241	SAN SABA PEAK	3198-242	BIG VALLEY SOUTH
3198-243	BIG VALLEY NORTH	3198-244	GOLDTHWAITE	3198-311	LAKE MERRITT	3198-312	MULLIN
3198-313	DEMOCRAT	3198-314	PRIDDY	3198-321	BLANKET SPRINGS	3198-322	INDIAN CREEK
3198-323	BROWNWOOD	3198-324	ZEPHYR	3198-331	BLANKET	3198-332	OWENS
3198-333	MAY	3198-334	STAR MOUNTAIN	3198-341	NEWBURG	3198-342	MERCERS GAP
3198-343	SIDNEY	3198-344	COMANCHE	3198-411	OHIO	3198-412	SHIVE
3198-413	HAMILTON WEST	3198-414	HAMILTON EAST	3198-421	PECAN WELLS	3198-422	CARADAN

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3198-423	INDIAN GAP	3198-424	POTTSVILLE	3198-431	LAMKIN	3198-432	GUSTINE
3198-433	PROCTOR	3198-434	EDNA HILL	3198-441	EIDSON LAKE	3198-442	GENTRYS MILL
3198-443	CARLTON	3198-444	HICO	3199-111	PECAN SPRINGS	3199-112	VOCA
3199-113	ROCHELLE	3199-114	LOST CREEK	3199-121	BRADY SOUTH	3199-122	BRADY SW
3199-123	WEST SWEDEN	3199-124	BRADY NORTH	3199-131	BLUFF CREEK	3199-132	LOHN
3199-133	FIFE	3199-134	WHON	3199-141	HALL	3199-142	PLACID
3199-143	MERCURY	3199-144	ELM GROVE	3199-211	NEEDLE CREEK	3199-212	CALLAN
3199-213	PASCHE	3199-214	MELVIN	3199-221	EDEN SE	3199-222	EDEN SW
3199-223	LIVE OAK	3199-224	EDEN	3199-231	MILLERSVIEW SE	3199-232	MILLERSVIEW SW
3199-233	MILLERSVIEW NW	3199-234	MILLERSVIEW	3199-241	SALT GAP	3199-242	DOOLE SW
3199-243	MUSTANG CREEK	3199-244	DOOLE	3199-311	VOSS	3199-312	LEADAY
3199-313	LITTLE GRAPE CREEK	3199-314	BEAD MOUNTAIN	3199-321	CONCHO	3199-322	PAINT ROCK
3199-323	BALLINGER	3199-324	BUFFALO BLUFF	3199-331	BENOIT	3199-332	HATCHELL
3199-333	WINTERS	3199-334	CREWS	3199-341	VALERA	3199-342	TALPA
3199-343	NOVICE WEST	3199-344	NOVICE EAST	3199-411	BROOKESMITH	3199-412	TRICKHAM
3199-413	BANGS WEST	3199-414	BANGS EAST	3199-421	SPECK MOUNTAIN	3199-422	GOULDBUSK
3199-423	FISK	3199-424	SANTA ANNA	3199-431	LAKE SAN TANA	3199-432	COLEMAN
3199-433	LAKE SCARBOROUGH	3199-434	COLEMAN NE	3199-441	LAKE BROWNWOOD	3199-442	THRIFTY
3199-443	BURKETT	3199-444	BYRDS	3200-111	WINGATE	3200-112	CHURCH PEAK
3200-113	HYLTON	3200-114	SHEP	3200-121	BLACKWELL	3200-122	BLACKWELL SW
3200-123	MARYNEAL	3200-124	BLACKWELL NE	3200-131	HOLDER CREEK	3200-132	LAKE TRAMMELL
3200-133	SWEETWATER	3200-134	LAKE SWEETWATER	3200-141	MOUNTAIN PASS	3200-142	NOLAN
3200-143	CHALK PEAK	3200-144	MERKEL WEST	3200-211	SANCO	3200-212	SILVER
3200-213	DAM DRAW	3200-214	DEW DROP CREEK	3200-221	DEAD INDIAN MOUNTAIN	3200-222	MC WHORTER MOUNTAIN
3200-223	SPADE RANCH	3200-224	PECAN CROSSING	3200-231	COLORADO CITY SE	3200-232	LAKE COLORADO CITY
3200-233	CEDAR BEND	3200-234	COLORADO CITY	3200-241	BENCH MOUNTAIN	3200-242	BAUMANN SCHOOL
3200-243	LORAIN	3200-244	ROSCOE	3200-311	BERNECKER	3200-312	INADALE
3200-313	INADALE NW	3200-314	BULL CREEK	3200-321	CHINA GROVE	3200-322	DUNN
3200-323	SNYDER	3200-324	HERMLEIGH	3200-331	LLOYD MOUNTAIN	3200-332	BRAND
3200-333	MC KENZIE MOUNTAINS	3200-334	MAVERICK CREEK	3200-341	HOBBS	3200-342	CAMP SPRINGS
3200-343	HUDD	3200-344	TIGE CANYON	3200-411	NOODLE	3200-412	RAVEN CREEK SOUTH

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3200-413	RAVEN CREEK NORTH	3200-414	NOODLE NE	3200-421	ESKOTA	3200-422	BUSBY
3200-423	ROBY	3200-424	LONGWORTH	3200-431	ROYSTON	3200-432	ROTAN
3200-433	WHITE CANYON	3200-434	POKE MOUNTAIN	3200-441	NEINDA	3200-442	MC CAULLEY
3200-443	HAMLIN NW	3200-444	HAMLIN NE	3201-111	BUFFALO DRAW	3201-112	HAYRICK MOUNTAIN
3201-113	HYMAN	3201-114	HYMAN NE	3201-121	FORSAN	3201-122	LEES
3201-123	BIG SPRING SOUTH	3201-124	MOSS CREEK LAKE	3201-131	COAHOMA	3201-132	BIG SPRING NORTH
3201-133	LUTHER	3201-134	BIG SPRING NORTH NE	3201-141	WESTBROOK	3201-142	IATAN
3201-143	VINCENT	3201-144	CUTHBERT	3201-211	LUCIAN WELLS RANCH	3201-212	HOUSTON RANCH
3201-213	NATURAL DAM LAKE	3201-214	ELBOW	3201-221	STANTON SE	3201-222	GERMANIA
3201-223	DICKENSON RANCH	3201-224	STANTON	3201-231	LENORAH EAST	3201-232	LENORAH WEST
3201-233	FLOWER GROVE	3201-234	MERRICK	3201-241	KNOTT SE	3201-242	KNOTT SW
3201-243	KNOTT	3201-244	KNOTT NE	3201-311	VEALMOOR	3201-312	ACKERLY
3201-313	SAND CREEK	3201-314	LONG DRAW	3201-321	SPARENBERG	3201-322	TEN MILE
3201-323	LAMESA SOUTH	3201-324	KEY	3201-331	HANCOCK	3201-332	LAMESA NORTH
3201-333	GOOCH LAKE	3201-334	O'DONNELL	3201-341	HOLLOWAY CANYON	3201-342	INDIAN CANYON
3201-343	INDIAN CANYON NW	3201-344	INDIAN CANYON NE	3201-411	IRA	3201-412	IRA SW
3201-413	IRA NW	3201-414	IRA NE	3201-421	GUNSIGHT DRAW SE	3201-422	GUNSIGHT DRAW
3201-423	MUSHAWAY PEAK	3201-424	GUNSIGHT DRAW NE	3201-431	FIVEMILE CREEK	3201-432	GAIL
3201-433	BEAL HOLLOW	3201-434	GAIL NE	3201-441	DERMOTT	3201-442	ARAH
3201-443	FLUVANNA	3201-444	FLAT TOP MOUNTAIN	3202-111	NORTHEAST MIDLAND	3202-112	NORTHWEST MIDLAND
3202-113	MABEE RANCH	3202-114	NORTH CURTIS RANCH	3202-121	HACKBERRY LAKE	3202-122	GARDENDALE
3202-123	GARDENDALE NW	3202-124	BAIRD LAKE	3202-131	FIVE WELLS RANCH SE	3202-132	FIVE WELLS RANCH SW
3202-133	FIVE WELLS RANCH NW	3202-134	FIVE WELLS RANCH	3202-141	FLYNT RANCH	3202-142	BIRD RANCH
3202-143	SCHARBAUER RANCH	3202-144	WOLCOTT RANCH	3202-211	NORTH COWDEN	3202-212	COYOTE CORNER
3202-213	NORTH COWDEN NW	3202-214	CLABBER HILL RANCH	3202-221	BEDFORD RANCH	3202-222	YT RANCH
3202-223	FIGURE SEVEN RANCH	3202-224	SAND RANCH	3202-231	WHALEN LAKE	3202-232	FRANKEL CITY SW
3202-233	JUMBO HILL	3202-234	FRANKEL CITY	3202-241	ANDREWS	3202-242	LAZY X RANCH
3202-243	SHAFTER LAKE	3202-244	FLOREY	3202-311	SEMINOLE SE	3202-312	SEMINOLE SW
3202-313	SEMINOLE	3202-314	SEMINOLE NE	3202-321	PAYNES CORNER SE	3202-322	BRINSON RANCH
3202-323	PAYNES CORNER NW	3202-324	PAYNES CORNER	3202-331	DENVER CITY SE	3202-332	DENVER CITY SW
3202-333	HIGGINBOTHAM	3202-334	DENVER CITY	3202-341	SEAGRAVES SE	3202-342	SEAGRAVES SW

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3202-343	SEAGRAVES NW	3202-344	SEAGRAVES	3202-411	PATRICIA	3202-412	PATRICIA SW
3202-413	SAND	3202-414	PATRICIA NE	3202-421	MC KENZIE LAKE SE	3202-422	CEDAR POINT RANCH
3202-423	MC KENZIE LAKE NW	3202-424	MC KENZIE LAKE	3202-431	CEDAR POINT	3202-432	LOOP SW
3202-433	LOOP	3202-434	ASHMORE	3202-441	PUNKIN CENTER	3202-442	WELCH SW
3202-443	WELCH WEST	3202-444	WELCH EAST	3203-111	JAL SE	3203-112	JAL
3203-113	JAL NW	3203-114	JAL NE	3203-121	JAVELINA BASIN	3203-122	ANDREWS PLACE
3203-141	EUNICE SE	3203-142	RATTLESNAKE CANYON	3203-144	EUNICE NE	3203-211	PADUCA BREAKS EAST
3203-212	PACUCA BREAKS WEST	3203-221	PHANTOM BANKS	3203-222	ROSS RANCH	3203-223	PIERCE CANYON
3203-411	HOBBS SE	3203-414	HOBBS EAST	3203-441	HUMBLE CITY SE	3203-444	HUMBLE CITY NE
3204-111	RED BLUFF	3204-112	COTTONWOOD HILLS	3204-121	JUMPING SPRING	3204-122	RATTLESNAKE SPRING
3204-211	GRAPEVINE DRAW	3204-212	GUNSIGHT CANYON	3204-221	EL PASO GAP	3204-222	PANTHER CANYON
3205-111	CIENEGA SCHOOL	3205-112	CULP DRAW	3205-121	SHILOH HILLS SE	3205-122	MC VEIGH HILLS
3205-211	CORNUDAS MOUNTAIN	3205-212	ALAMO MOUNTAIN	3205-221	BASSETT LAKE	3205-222	MOUNTAIN TANK
3206-111	DESERT SE	3206-112	DESERT SW	3206-121	NEWMAN	3206-122	NEWMAN SW
3206-211	ANTHONY	3294-111	LOGAN	3294-112	OLD CENTER	3294-113	RIVER HILLS
3294-114	OLD PANOLA	3294-121	GARY	3294-122	LAKE MURVAUL	3294-123	BECKVILLE
3294-124	CARTHAGE	3294-131	GRAND BLUFF	3294-132	HARRIS CHAPEL	3294-133	DARCO
3294-134	COLLIERS CREEK	3294-141	PANOLA	3294-142	DE BERRY	3294-143	STRICKLIN SPRINGS
3294-144	WASKOM	3294-211	LONG BRANCH	3294-212	MINDEN	3294-213	CHURCH HILL
3294-214	FAIR PLAY	3294-221	BERRY HILL CREEK	3294-222	GUM SPRINGS	3294-223	PRICE
3294-224	HENDERSON	3294-231	KILGORE SE	3294-232	KILGORE SW	3294-233	KILGORE NW
3294-234	KILGORE NE	3294-241	TATUM	3294-242	ELDERVILLE	3294-243	LAKEPORT
3294-244	EASTON	3294-311	HALLSVILLE	3294-312	LONGVIEW HEIGHTS	3294-313	ASHLAND
3294-314	HARLETON	3294-321	WHITE OAK	3294-322	GLADEWATER	3294-323	GILMER
3294-324	GLENWOOD	3294-331	COFFEEVILLE	3294-332	BETTIE	3294-333	PITTSBURG
3294-334	LAFAYETTE	3294-341	LASSATER	3294-342	ORE CITY	3294-343	LONE STAR
3294-344	AVINGER	3294-411	LATEX	3294-412	SCOTTSVILLE	3294-413	KARNACK
3294-414	POTTERS POINT	3294-421	MARSHALL EAST	3294-422	MARSHALL WEST	3294-423	MARSHALL NW
3294-424	WOODLAWN	3294-431	JEFFERSON	3294-432	KELLYVILLE	3294-433	CUNNINGHAM CREEK
3294-434	LANIER	3294-441	TREES	3294-442	SMITHLAND	3294-443	KILDARE
3294-444	MC LEOD	3295-111	GRIFFIN	3295-112	TECULA	3295-113	TROUP WEST

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3295-114	TROUP EAST	3295-121	MOUNT SELMAN	3295-122	BERRYVILLE	3295-123	SALINE BAY
3295-124	BULLARD	3295-131	TYLER SOUTH	3295-132	CHANDLER	3295-133	MOUNT SYLVAN
3295-134	TYLER NORTH	3295-141	HOPE POND	3295-142	BASCOM	3295-143	WINONA
3295-144	STARRVILLE	3295-211	POYNOR	3295-212	LARUE	3295-213	LEAGUEVILLE
3295-214	MOORE STATION	3295-221	COON CREEK LAKE	3295-222	CROSS ROADS	3295-223	MALLARD HILL
3295-224	ATHENS	3295-231	MURCHISON WEST	3295-232	STOCKARD	3295-233	PHALBA
3295-234	MARTINS MILL	3295-241	BROWNSBORO	3295-242	MURCHISON EAST	3295-243	BEN WHEELER
3295-244	CARROLL	3295-311	VAN LAKE	3295-312	VAN	3295-313	GRAND SALINE
3295-314	GOLDEN	3295-321	CANTON	3295-322	MYRTLE SPRINGS	3295-323	EDGEWOOD
3295-324	FRUITVALE	3295-331	EMORY SOUTH	3295-332	IRON BRIDGE DAM	3295-333	LONE OAK SOUTH
3295-334	EMORY NORTH	3295-341	CALVARY	3295-342	ALBA	3295-343	ARBALA
3295-344	YANTIS	3295-411	BIG SANDY	3295-412	HAWKINS	3295-413	SHADY GROVE
3295-414	PRITCHETT	3295-421	CROW	3295-422	LINDALE	3295-423	MINEOLA
3295-424	HAINESVILLE	3295-431	CARTWRIGHT	3295-432	QUITMAN	3295-433	PLEASANT GROVE
3295-434	WINNSBORO	3295-441	THOMAS	3295-442	RHONESBORO	3295-443	NEWSOME
3295-444	LEESBURG	3296-111	CRESLINN RANCH	3296-112	GOODLOW PARK	3296-113	KERENS
3296-114	MALAKOFF	3296-121	POWELL	3296-122	CORSICANA	3296-123	CHATFIELD
3296-124	BAZETTE	3296-131	STYX	3296-132	ROSSER SW	3296-133	ROSSER
3296-134	GRAYS PRAIRIE	3296-141	MABANK	3296-142	TOOL	3296-143	KEMP
3296-144	PRAIRIEVILLE	3296-211	CORBET	3296-212	BLOOMING GROVE	3296-213	CRYER CREEK
3296-214	EMHOUSE	3296-221	FROST	3296-222	MERTENS	3296-223	ITALY
3296-224	AVALON	3296-231	FORRESTON	3296-232	BOZ	3296-233	MIDLOTHIAN
3296-234	WAXAHACHIE	3296-241	ENNIS EAST	3296-242	ENNIS WEST	3296-243	PALMER
3296-244	BRISTOL	3296-311	INDIA	3296-312	FERRIS	3296-313	HUTCHINS
3296-314	SEAGOVILLE	3296-321	LANCASTER	3296-322	CEDAR HILL	3296-323	DUNCANVILLE
3296-324	OAK CLIFF	3296-331	DALLAS	3296-332	IRVING	3296-333	CARROLLTON
3296-334	ADDISON	3296-341	MESQUITE	3296-342	WHITE ROCK LAKE	3296-343	GARLAND
3296-344	ROWLETT	3296-411	CEDARVALE	3296-412	OLA	3296-413	ELMO
3296-414	WILLS POINT	3296-421	KAUFMAN	3296-422	SCURRY	3296-423	FORNEY SOUTH
3296-424	TERRELL SOUTH	3296-431	TERRELL NORTH	3296-432	FORNEY NORTH	3296-433	ROCKWALL
3296-434	ROYSE CITY	3296-441	ABLES SPRINGS	3296-442	POETRY	3296-443	QUINLAN

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3296-444	WEST TAWAKONI	3297-111	HILLSBORO EAST	3297-112	HILLSBORO WEST	3297-113	ITASCA
3297-114	FILES VALLEY	3297-121	BLANTON	3297-122	LAKESIDE VILLAGE	3297-123	BLUM
3297-124	COVINGTON	3297-131	CLEBURNE EAST	3297-132	CLEBURNE WEST	3297-133	JOSHUA
3297-134	KEENE	3297-141	MAYPEARL	3297-142	GRANDVIEW	3297-143	ALVARADO
3297-144	VENUS	3297-211	MORGAN	3297-212	WALNUT SPRINGS EAST	3297-213	GLEN ROSE EAST
3297-214	BRAZOS POINT	3297-221	WALNUT SPRINGS WEST	3297-222	CAMP BRANCH	3297-223	CHALK MOUNTAIN
3297-224	GLEN ROSE WEST	3297-231	HILL CITY	3297-232	PALUXY	3297-233	TOLAR
3297-234	GRANBURY	3297-241	BONO	3297-242	NEMO	3297-243	ACTON
3297-244	GODLEY	3297-311	CRESSON	3297-312	CHAPIN	3297-313	ANNETA
3297-314	ALEDO	3297-321	TIN TOP	3297-322	DENNIS	3297-323	BROCK
3297-324	WEATHERFORD SOUTH	3297-331	WEATHERFORD NORTH	3297-332	GARNER	3297-333	ADELL
3297-334	POOLVILLE	3297-341	SPRINGTOWN SE	3297-342	LAKE WEATHERFORD	3297-343	SPRINGTOWN
3297-344	AZLE	3297-411	BRITTON	3297-412	MANSFIELD	3297-413	KENNEDALE
3297-414	ARLINGTON	3297-421	BURLESON	3297-422	PRIMROSE	3297-423	BENBROOK
3297-424	FORT WORTH	3297-431	HALTOM CITY	3297-432	LAKE WORTH	3297-433	AVONDALE
3297-434	KELLER	3297-441	EULESS	3297-442	HURST	3297-443	COLLEYVILLE
3297-444	GRAPEVINE	3298-111	CLAIRETTE	3298-112	ALEXANDER	3298-113	STEPHENVILLE
3298-114	JOHNSVILLE	3298-121	DUBLIN	3298-122	COMYN	3298-123	LINGLEVILLE
3298-124	BUNYAN	3298-131	HUCKABAY	3298-132	HUCKABAY SW	3298-133	REDDY MOUNTAIN
3298-134	TURKEY CREEK	3298-141	BLUFF DALE	3298-142	NOB HILL	3298-143	MORGAN MILL
3298-144	BLUFF DALE NE	3298-211	DE LEON	3298-212	DUSTER	3298-213	GORMAN
3298-214	RUCKER	3298-221	SIPE SPRINGS	3298-222	RISING STAR	3298-223	UNION CENTER
3298-224	HUNTING SHIRT CREEK	3298-231	CARBON	3298-232	CISCO SOUTH	3298-233	CISCO NORTH
3298-234	EASTLAND	3298-241	DESDEMONA	3298-242	KOKOMO	3298-243	RANGER
3298-244	BEAR MOUNTAIN	3298-311	STRAWN WEST	3298-312	LA CASA	3298-313	CADDO
3298-314	CADDO NE	3298-321	WAYLAND	3298-322	HARPERVILLE	3298-323	BUCK MOUNTAIN
3298-324	NECESSITY	3298-331	GRAND LAKE	3298-332	BRECKENRIDGE	3298-333	CRYSTAL FALLS
3298-334	ELIASVILLE	3298-341	BRAD	3298-342	IVAN SOUTH	3298-343	IVAN NORTH
3298-344	COVE CREEK	3298-411	LIPAN	3298-412	SANTO	3298-413	BRAZOS WEST
3298-414	BRAZOS EAST	3298-421	GORDON	3298-422	STRAWN EAST	3298-423	METCALF GAP
3298-424	LONE CAMP	3298-431	PALO PINTO	3298-432	FORTUNE BEND	3298-433	COSTELLO ISLAND

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3298-434	GRAFORD WEST	3298-441	MINERAL WELLS EAST	3298-442	MINERAL WELLS WEST	3298-443	GRAFORD EAST
3298-444	WHITT	3299-111	PIONEER	3299-112	CROSS CUT	3299-113	CROSS PLAINS NORTH
3299-114	SABANNO	3299-121	WEBBVILLE	3299-122	CROOKED CREEK	3299-123	ROWDEN NW
3299-124	ROWDEN	3299-131	ADMIRAL	3299-132	CUB HOLLOW	3299-133	BAIRD
3299-134	JAYELL	3299-141	SCRANTON	3299-142	PUTNAM SOUTH	3299-143	PUTNAM NORTH
3299-144	BERNIE LAKE	3299-211	MC EWEN DRAW	3299-212	GOLDSBORO	3299-213	LAWN
3299-214	OPLIN	3299-221	BALD KNOB	3299-222	BRADSHAW	3299-223	LAKE ABILENE
3299-224	TUSCOLA	3299-231	BUFFALO GAP	3299-232	VIEW	3299-233	MERKEL EAST
3299-234	ABILENE WEST	3299-241	EULA	3299-242	POTOSI	3299-243	ABILENE EAST
3299-244	KIRBY LAKE NE	3299-311	FLATTOP	3299-312	HAMBY	3299-313	NUGENT
3299-314	SMOKY DRAW	3299-321	HAWLEY	3299-322	STITH	3299-323	TRUBY
3299-324	HAWLEY NE	3299-331	FUNSTON	3299-332	ANSON	3299-333	TUXEDO
3299-334	STAMFORD	3299-341	LUEDERS EAST	3299-342	LUEDERS WEST	3299-343	LUEDERS NW
3299-344	LUEDERS NE	3299-411	INDIAN KNOLL	3299-412	MORAN	3299-413	MC CATHERINE MOUNTAIN
3299-414	EOLIAN	3299-421	SNYDER LAKE	3299-422	LEEPER CREEK	3299-423	ACAMPO
3299-424	ALBANY	3299-431	ROUND HILL	3299-432	COLLINS CREEK SW	3299-433	ANTELOPE HILLS
3299-434	COLLINS CREEK	3299-441	EDWARDS BRANCH	3299-442	MURPHY CREEK	3299-443	FORT GRIFFIN
3299-444	LUSK	3300-111	FROG MOUNTAIN	3300-112	ASPERMONT LAKE	3300-113	ASPERMONT
3300-114	OLD GLORY	3300-121	COON HOLLOW	3300-122	DOUBLE MOUNTAINS	3300-123	PEACOCK
3300-124	SWENSON	3300-131	LOVERS RESORT	3300-132	SEVEN DIAMOND L CANYON	3300-133	SOUTHERLAND CANYON
3300-134	BOB CREEK	3300-141	KIOWA PEAK	3300-142	KIOWA PEAK SW	3300-143	KIOWA PEAK NW
3300-144	KIOWA PEAK NE	3300-211	A B C CREEK	3300-212	GANT HILLS	3300-213	CLAIREMONT EAST
3300-214	JAYTON SOUTH	3300-221	COOPER MOUNTAIN	3300-222	POLAR	3300-223	T O CREEK
3300-224	CLAIREMONT WEST	3300-231	WHITE CAMP	3300-232	SPUR SW	3300-233	SPUR NW
3300-234	SPUR	3300-241	JAYTON NORTH	3300-242	GIRARD	3300-243	GILPIN
3300-244	PURSLEY HOUSE	3300-311	PITCHFORK RANCH	3300-312	CROTON CAMP	3300-313	EAST AFTON
3300-314	EAST AFTON NE	3300-321	DICKENS SOUTH	3300-322	FOREMAN CHAPEL	3300-323	HAYSTACK MOUNTAIN
3300-324	DICKENS NORTH	3300-331	AFTON	3300-332	RUSTLER CAMP	3300-333	MAC BAIN
3300-334	ROARING SPRINGS	3300-341	DUMONT	3300-342	SANDERS HOLLOW	3300-343	RUSSELLVILLE
3300-344	CHINA CANYON	3300-411	BUZZARD PEAK	3300-412	DARK CANYON	3300-413	J Y RANCH
3300-414	OX YOKE CREEK	3300-421	GUTHRIE	3300-422	PITCHFORK FLATS	3300-423	GUTHRIE NW

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3300-424	FOURMILE HILL	3300-431	GROW	3300-432	BUFFALO CREEK	3300-433	GROW NW
3300-434	GINSITE	3300-441	LOWRANCE MOUNTAIN	3300-442	CHALK SW	3300-443	CHALK
3300-444	Y RANCH	3301-111	JUSTICEBURG SE	3301-112	JUSTICEBURG	3301-113	JUSTICEBURG NW
3301-114	COTTONWOOD CREEK	3301-121	COOPER CREEK	3301-122	MIDDLE CREEK	3301-123	POST WEST
3301-124	POST EAST	3301-131	CAP ROCK SE	3301-132	SOUTH DOKEGOOD CREEK	3301-133	CAP ROCK
3301-134	CANYON VALLEY	3301-141	TWOMILE CREEK	3301-142	VERBENA	3301-143	KALGARY
3301-144	SMITH TANK	3301-211	GRASSLAND SE	3301-212	DRAW	3301-213	NEW LYNN
3301-214	GRASSLAND	3301-221	SKEEN LAKE	3301-222	TAHOKA SW	3301-223	DOUBLE LAKES
3301-224	TAHOKA	3301-231	NEW HOME SE	3301-232	NEW HOME	3301-233	SLIDE
3301-234	WOODROW	3301-241	SOUTHLAND	3301-242	WILSON	3301-243	SLATON
3301-244	SLATON NE	3301-311	ACUFF	3301-312	BUFFALO SPRINGS LAKE	3301-313	IDALOU
3301-314	LORENZO	3301-321	LUBBOCK EAST	3301-322	LUBBOCK WEST	3301-323	SHALLOWATER
3301-324	NEW DEAL	3301-331	ABERNATHY	3301-332	ABERNATHY SW	3301-333	COTTON CENTER
3301-334	UNDERWOOD	3301-341	PETERSBURG	3301-342	HECKVILLE	3301-343	JULIA LAKE
3301-344	BARWISE	3301-411	BUNKER HILL	3301-412	COLLETT SPRINGS	3301-413	CROSBYTON
3301-414	MC ADOO	3301-421	RALLS SE	3301-422	SAVAGE	3301-423	RALLS
3301-424	RALLS NE	3301-431	FLOYDADA SE	3301-432	CONE	3301-433	SANDHILL
3301-434	FLOYDADA	3301-441	WAKE	3301-442	MOUNT BLANCO	3301-443	BOOTHE
3301-444	DOUGHERTY	3302-111	NEWMOORE	3302-112	UNION SCHOOL	3302-113	BROWNFIELD EAST
3302-114	MOUND LAKE	3302-121	FOSTER	3302-122	WELLMAN	3302-123	GOMEZ
3302-124	BROWNFIELD WEST	3302-131	SUNDOWN SE	3302-132	POOL	3302-133	SUNDOWN
3302-134	LOCKETTVILLE	3302-141	MEADOW SE	3302-142	MEADOW	3302-143	ROPESVILLE
3302-144	BUSTERVILLE	3302-211	TOKIO SE	3302-212	PLEASANT HILL	3302-213	TOKIO NW
3302-214	TOKIO	3302-221	PLAINS SE	3302-222	INK BASIN	3302-223	PLAINS NW
3302-224	PLAINS	3302-231	TWO B RANCH	3302-232	TWO B RANCH SW	3302-233	TWO B RANCH NW
3302-234	SCHOOLER RANCH	3302-241	PLAINS 1 SE	3302-242	PLAINS 1 SW	3302-243	PLAINS 1 NW
3302-244	PLAINS 1 NE	3302-311	WHITEFACE	3302-312	WHITEFACE SW	3302-313	WHITEFACE NW
3302-314	PETTIT	3302-321	LEHMAN	3302-322	MORTON SW	3302-323	MORTON NW
3302-324	MORTON	3302-331	ENOCHS	3302-332	MAPLE	3302-333	THREE WAY SCHOOL
3302-334	UPPER WHITE LAKE	3302-341	PEP	3302-342	COUNTY LINE	3302-343	BULA
3302-344	BECK	3302-411	WOLFFORTH	3302-412	SMYER	3302-413	WOLFFORTH NW

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3302-414	WOLFFORTH NE	3302-421	LEVELLAND EAST	3302-422	LEVELLAND WEST	3302-423	HESTER RANCH
3302-424	WHITHARRAL	3302-431	LUMS CHAPEL	3302-432	OKLAHOMA FLAT	3302-433	BULL LAKE
3302-434	LITTLEFIELD	3302-441	ROUNDUP	3302-442	ANTON	3302-443	SPADE
3302-444	ANTON NE	3303-111	PRAIRIEVIEW SE	3303-114	PRAIRIEVIEW NE	3303-141	BRONCO
3303-144	BRONCO NE	3303-411	BLEDSON	3303-414	BLEDSON NE	3303-441	LINGO
3303-444	CAUSEY EAST	3394-111	RAVANNA	3394-112	ATLANTA SOUTH	3394-113	ATLANTA NORTH
3394-114	BLOOMBURG	3394-121	LINDEN	3394-122	CARTERVILLE	3394-123	BRYANS MILL
3394-124	DOUGLASSVILLE	3394-131	MAUD	3394-132	CORLEY	3394-133	NEW BOSTON
3394-134	HOOKS	3394-141	DOMINO	3394-142	WRIGHT PATMAN LAKE	3394-143	LEARY
3394-144	TEXARKANA	3394-211	SARDIS	3394-212	DAINGERFIELD	3394-213	NAPLES
3394-214	MARIETTA	3394-221	CASON	3394-222	HARVARD	3394-223	MOUNT PLEASANT
3394-224	COOKVILLE	3394-231	COOPERS CHAPEL	3394-232	WILKINSON	3394-233	BOXELDER
3394-234	LYDIA	3394-241	BASSETT	3394-242	DALBY SPRINGS	3394-243	HODGSON
3394-244	MALTA	3394-311	DE KALB	3394-312	OAK GROVE	3394-313	DE KALB NW
3394-314	TOM	3394-321	AVERY	3394-322	ANNONA	3394-323	WHITEROCK
3394-324	ENGLISH	3394-331	IDABEL SE	3394-332	ACWORTH	3394-411	OGDEN
3394-412	BARKMAN	3394-421	REDBANK	3394-422	DANIELS CHAPEL	3394-423	FOREMAN
3395-111	MONTICELLO	3395-112	NEW HOPE	3395-113	MOUNT VERNON	3395-114	WINFIELD
3395-121	PURLEY	3395-122	COMO	3395-123	DIKE	3395-124	SALTILLO
3395-131	MITCHELL CREEK	3395-132	SULPHUR BLUFF	3395-133	MINTER	3395-134	CUNNINGHAM
3395-141	TALCO	3395-142	HAGANSPORT	3395-143	BOGATA	3395-144	CUTHAND
3395-211	SULPHUR SPRINGS SE	3395-212	BRASHEAR	3395-213	GAFFORD CHAPEL	3395-214	SULPHUR SPRINGS
3395-221	MILLER GROVE	3395-222	LONE OAK NORTH	3395-223	COMMERCE SOUTH	3395-224	CUMBY
3395-231	KLONDIKE	3395-232	COMMERCE NORTH	3395-233	LADONIA	3395-234	PECAN GAP
3395-241	TIRA	3395-242	COOPER SOUTH	3395-243	COOPER NORTH	3395-244	CHARLESTON
3395-311	BIARDSTOWN	3395-312	ROXTON	3395-313	TOCO	3395-314	PARIS
3395-321	PETTY	3395-322	HONEY GROVE	3395-323	SELS	3395-324	TIGERTOWN
3395-331	DIRECT	3395-332	MONKSTOWN	3395-333	LAKE WEST	3395-334	NEW OBERLIN
3395-341	PAT MAYSE LAKE EAST	3395-342	PAT MAYSE LAKE WEST	3395-343	BLUFF	3395-344	GRANT
3395-411	CLARKSVILLE	3395-412	LINE BRANCH	3395-413	BAGWELL	3395-414	DIMPLE
3395-421	DEPORT	3395-422	PATTONVILLE	3395-423	BLOSSOM	3395-424	DETROIT

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3395-431	WOODLAND	3395-432	SLATE SHOALS	3395-433	SHOALS	3395-434	FROGVILLE
3395-441	NEGLEY	3395-442	MANCHESTER	3395-443	KIOMATIA	3395-444	MILLERTON
3396-111	GREENVILLE SE	3396-112	GREENVILLE SW	3396-113	GREENVILLE NW	3396-114	GREENVILLE NE
3396-121	JOSEPHINE	3396-122	LAVON	3396-123	CULLEOKA	3396-124	FARMERSVILLE
3396-131	PIKE	3396-132	BLUE RIDGE	3396-133	PILOT GROVE	3396-134	TRENTON
3396-141	WOLFE CITY	3396-142	CELESTE	3396-143	LEONARD	3396-144	GOBER
3396-211	WYLIE	3396-212	PLANO	3396-213	MC KINNEY WEST	3396-214	MC KINNEY EAST
3396-221	HEBRON	3396-222	LEWISVILLE EAST	3396-223	LITTLE ELM	3396-224	FRISCO
3396-231	CELINA	3396-232	AUBREY	3396-233	PILOT POINT	3396-234	MARILEE
3396-241	ANNA	3396-242	WESTON	3396-243	GUNTER	3396-244	VAN ALSTYNE
3396-311	HOWE	3396-312	DORCHESTER	3396-313	SHERMAN NW	3396-314	SHERMAN
3396-321	ETHEL	3396-322	COLLINSVILLE	3396-323	WHITESBORO	3396-324	SADLER
3396-331	GORDONVILLE	3396-332	DEXTER	3396-333	LEBANON	3396-334	SHAY
3396-341	DENISON DAM	3396-342	POTTSBORO	3396-343	KINGSTON SOUTH	3396-344	PLATTER
3396-411	DODD CITY	3396-412	BONHAM	3396-413	LAKE BONHAM	3396-414	LAMASCO
3396-421	ECTOR	3396-422	WHITEWRIGHT	3396-423	AMBROSE	3396-424	MULBERRY
3396-431	KEMP	3396-432	ACHILLE	3396-441	TELEPHONE	3396-442	YUBA
3397-111	LEWISVILLE WEST	3397-112	ARGYLE	3397-113	DENTON WEST	3397-114	DENTON EAST
3397-121	JUSTIN	3397-122	RHOME	3397-123	BLUETT	3397-124	PONDER
3397-131	ERA SE	3397-132	SLIDELL	3397-133	GREENWOOD	3397-134	ERA
3397-141	GREEN VALLEY	3397-142	SANGER	3397-143	VALLEY VIEW	3397-144	MOUNTAIN SPRINGS
3397-211	BOYD	3397-212	COTTONDALE	3397-213	BRIDGEPORT EAST	3397-214	DECATUR
3397-221	BOONSVILLE	3397-222	GIBTOWN	3397-223	WIZARD WELLS	3397-224	BRIDGEPORT WEST
3397-231	CHICO	3397-232	CRAFTON	3397-233	SELMA	3397-234	SUNSET
3397-241	PECAN CREEK	3397-242	ALVORD	3397-243	SMYRNA	3397-244	NEW HARP
3397-311	FORESTBURG	3397-312	SALONA	3397-313	MONTAGUE	3397-314	SAINT JO
3397-321	BOWIE	3397-322	BRUSHY MOUND	3397-323	STONEBURG	3397-324	BUZZARD ROOST KNOB
3397-331	BELCHERVILLE	3397-332	RINGGOLD	3397-333	TERRAL	3397-334	FLEETWOOD
3397-341	BONITA	3397-342	NOCONA	3397-343	PRAIRIE VALLEY SCHOOL	3397-344	SPANISH FORT
3397-411	WOODBINE	3397-412	GAINESVILLE SOUTH	3397-413	GAINESVILLE NORTH	3397-414	CALLISBURG
3397-421	HOOD	3397-422	FREEMOUND	3397-423	MUENSTER WEST	3397-424	MUENSTER EAST

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3397-431	MARYSVILLE	3397-432	LEON SOUTH	3397-433	LEON NORTH	3397-434	BURNEYVILLE
3397-441	HORSESHOE BEND	3397-442	THACKERVILLE	3397-443	MARIETTA WEST	3397-444	MARIETTA EAST
3398-111	PERRIN	3398-112	BARTONS CHAPEL	3398-113	JACKSBORO	3398-114	JACKSBORO NE
3398-121	LONG HOLLOW	3398-122	ROSS MOUNTAIN	3398-123	BRYSON	3398-124	SENATE
3398-131	LYNN CREEK	3398-132	MARKLEY	3398-133	DARNELL BRANCH	3398-134	ANTELOPE
3398-141	CUNDIFF	3398-142	JOHNSON LAKE	3398-143	POSTOAK	3398-144	NEWPORT
3398-211	GRAHAM	3398-212	SOUTH BEND	3398-213	NEWCASTLE	3398-214	LAKE EDDLEMAN
3398-221	TACKETT MOUNTAIN	3398-222	MURRAY	3398-223	PROFFITT CROSSING	3398-224	PROFFITT
3398-231	OLNEY	3398-232	PADGETT	3398-233	MEGARGEL	3398-234	LAKE OLNEY
3398-241	LOVING	3398-242	TRUE	3398-243	BOBCAT BLUFF	3398-244	PRICKLY PEAR BRANCH
3398-311	ARCHER CITY EAST	3398-312	ARCHER CITY WEST	3398-313	DADS CORNER	3398-314	ARCHER CITY NE
3398-321	DUNDEE SE	3398-322	DUNDEE SW	3398-323	DUNDEE	3398-324	LAKE KICKAPOO
3398-331	MANKINS	3398-332	LAKE DIVERSION	3398-333	BEAVER CREEK	3398-334	FOWLKES
3398-341	LAKE WICHITA	3398-342	HOLLIDAY	3398-343	IOWA PARK	3398-344	WICHITA FALLS WEST
3398-411	VASHTI	3398-412	JOY	3398-413	BLUEGROVE	3398-414	BELLEVUE
3398-421	SCOTLAND SE	3398-422	WINDTHORST	3398-423	SCOTLAND	3398-424	DEER CREEK
3398-431	JOLLY	3398-432	SLOOP CREEK	3398-433	WICHITA FALLS EAST	3398-434	DEAN
3398-441	DICKWORSHAM	3398-442	HENRIETTA	3398-443	HURNVILLE	3398-444	RIVERLAND CEMETERY
3399-111	WOODSON	3399-112	SIBLEY CREEK	3399-113	THROCKMORTON	3399-114	THROCKMORTON NE
3399-121	REYNOLDS BEND	3399-122	HOOVER MOUNTAIN	3399-123	REYNOLDS BEND NW	3399-124	TONK CREEK
3399-131	ANTELOPE CREEK SE	3399-132	ANTELOPE CREEK SW	3399-133	ANTELOPE CREEK NW	3399-134	ANTELOPE CREEK NE
3399-141	WESTOVER SE	3399-142	WESTOVER SW	3399-143	ROCK CANYON	3399-144	WESTOVER
3399-211	LAKE STAMFORD EAST	3399-212	LAKE STAMFORD WEST	3399-213	HASKELL	3399-214	IRBY
3399-221	DUDLEYS CREEK	3399-222	SAGERTON	3399-223	RULE	3399-224	PINKERTON
3399-231	ROCHESTER	3399-232	JUD	3399-233	KNOX CITY NW	3399-234	KNOX CITY
3399-241	MATTSON	3399-242	WEINERT	3399-243	MUNDAY WEST	3399-244	MUNDAY EAST
3399-311	HEFNER	3399-312	RHINELAND	3399-313	GILLILAND	3399-314	VERA
3399-321	BENJAMIN	3399-322	CEDAR MOUNTAIN	3399-323	MAVERICK FLAT	3399-324	TRUSCOTT SOUTH
3399-331	TRUSCOTT NORTH	3399-332	BIG FOUR RANCH	3399-333	BOILING SPRING	3399-334	FOARD CITY
3399-341	COLWELL CREEK	3399-342	HALSELL RANCH	3399-343	CROWELL	3399-344	THALIA
3399-411	COPE BRANCH	3399-412	SEYMOUR EAST	3399-413	SOUTHEAST LAKE KEMP	3399-414	FULDA

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3399-421	SEYMOUR WEST	3399-422	BOMARTON	3399-423	SOAP CREEK	3399-424	SOUTHWEST LAKE KEMP
3399-431	NORTHWEST LAKE KEMP	3399-432	SANTA ROSA LAKE SW	3399-433	SANTA ROSA LAKE NW	3399-434	SANTA ROSA LAKE
3399-441	FRANKLIN BEND	3399-442	NORTHEAST LAKE KEMP	3399-443	GRAYBACK	3399-444	LAKE ELECTRA
3400-111	TRIANGLE RANCH	3400-112	MOONS CAMP	3400-113	SWEARINGEN	3400-114	BAKER
3400-121	PADUCAH	3400-122	DEVILS CANYON	3400-123	CEE VEE	3400-124	DUNLAP
3400-131	HELL ROARING CREEK	3400-132	TELL SOUTH	3400-133	TELL NORTH	3400-134	CAREY
3400-141	KIRKLAND SOUTH	3400-142	BUCKLE L RANCH	3400-143	CHILDRESS	3400-144	KIRKLAND NORTH
3400-211	TEE PEE CITY	3400-212	BALLARD CAMP	3400-213	TURTLE HOLE CAMP	3400-214	FIELDS CANYON
3400-221	MATADOR	3400-222	WHITEFLAT	3400-223	FLOMOT	3400-224	HORNICA CREEK
3400-231	NORTH WINDMILL	3400-232	FOLLEY	3400-233	TURKEY	3400-234	TAMPICO SIDING
3400-241	NORTHFIELD	3400-242	COTTONWOOD CAMP	3400-243	BLUE TANK CANYON	3400-244	BADGER NEST TANK
3400-311	PARNELL	3400-312	PLASKA	3400-313	MEMPHIS NW	3400-314	MEMPHIS
3400-321	HEEL FLY DRAW	3400-322	HUGHES CANYON	3400-323	BRICE	3400-324	LESLEY
3400-331	CLARENDON SE	3400-332	CLARENDON SW	3400-333	CLARENDON	3400-334	LELIA LAKE
3400-341	GILES	3400-342	HEDLEY	3400-343	LELIA LAKE CREEK	3400-344	MC KNIGHT
3400-411	GARDEN VALLEY	3400-412	SMITHDALE	3400-413	LOCO	3400-414	ARLIE
3400-421	ESTELLINE SE	3400-422	ESTELLINE	3400-423	ESTELLINE NW	3400-424	ESTELLINE NE
3400-431	ROLLA	3400-432	ROLLA SW	3400-433	QUAIL	3400-434	ROLLA NE
3400-441	DODSON	3400-442	WELLINGTON	3400-443	WELLINGTON NW	3400-444	SHINNERY CREEK
3401-111	DICK MOORE CANYON	3401-112	WEST OF DICK MOORE CANYON	3401-113	WILSON CREEK	3401-114	QUITAQUE PEAKS
3401-121	LOCKNEY SE	3401-122	LOCKNEY	3401-123	STERLEY	3401-124	SOUTH PLAINS
3401-131	WHITELEY	3401-132	SILVERTON SW	3401-133	ROCK CREEK	3401-134	SILVERTON
3401-141	QUITAQUE	3401-142	EDGEMON LAKE	3401-143	HAY LAKE	3401-144	LAKE THEO
3401-211	PLAINVIEW SE	3401-212	HAPPY UNION	3401-213	PLAINVIEW	3401-214	AIKEN
3401-221	HALE CENTER	3401-222	HALE CENTER SW	3401-223	HALFWAY	3401-224	WASSON
3401-231	KRESS WEST	3401-232	EDMONSON	3401-233	CENTER PLAINS SCHOOL	3401-234	EDMONSON NE
3401-241	PROVIDENCE	3401-242	KRESS EAST	3401-243	CLAYTONVILLE NW	3401-244	CLAYTONVILLE
3401-311	LOVE	3401-312	TULE LAKE	3401-313	TULE LAKE NW	3401-314	JACKSON HILL
3401-321	TULIA	3401-322	LAKEVIEW	3401-323	TULIA NW	3401-324	HAPPY
3401-331	CANYON SE	3401-332	OGG	3401-333	CANYON	3401-334	NANCE RANCH
3401-341	WAYSIDE	3401-342	WESLEY POINT	3401-343	FORTRESS CLIFF	3401-344	PONY FLATS

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3401-411	SCHOTT MOUNTAIN	3401-412	INDIAN PEAK	3401-413	HARDSCRABBLE CREEK	3401-414	WILLOW ARROYO
3401-421	ROSS CANYON	3401-422	COPE CREEK	3401-423	VIGO PARK	3401-424	BIG BETTY RESERVOIR
3401-431	GIP CREEK	3401-432	PLEASANT CREEK	3401-433	LUTTRELL SPRINGS	3401-434	LUTTRELL SPRINGS NE
3401-441	TATE ARROYO	3401-442	PALODURO	3401-443	BLUE HOLE SPRINGS	3401-444	BUFFALO ARROYO
3402-111	CORRY	3402-112	FIELDTON	3402-113	OLTON	3402-114	OLTON NE
3402-121	COFFERVILLE	3402-122	AMHERST	3402-123	EARTH	3402-124	SPRINGLAKE
3402-131	DODD SE	3402-132	DODD	3402-133	FLAGG	3402-134	DODD NE
3402-141	HILBURN	3402-142	HART SW	3402-143	HART NW	3402-144	HART
3402-211	SUDAN	3402-212	NEEDMORE	3402-213	MULESHOE	3402-214	MULESHOE NE
3402-221	BAILEYBORO	3402-222	STEGALL	3402-223	BIRDWELL RANCH	3402-224	BAILEYBORO NE
3402-231	PROGRESS	3402-232	LARIAT	3402-233	OKLAHOMA LANE	3402-234	LARIAT NE
3402-241	LAZBUDDIE SE	3402-242	LAZBUDDIE SW	3402-243	CLAYS CORNER	3402-244	LAZBUDDIE
3402-311	TAM ANNE	3402-312	HUB	3402-313	FRIONA	3402-314	SUMMERFIELD
3402-321	PARMERTON	3402-322	BOVINA	3402-323	RHEA	3402-324	TWIN LAKES
3402-331	BOOTLEG	3402-332	GARCIA LAKE	3402-333	MUSTANG LAKE	3402-334	WALCOTT
3402-341	WESTWAY	3402-342	CHALK HILL	3402-343	WESTWAY NW	3402-344	WESTWAY NE
3402-411	NAZARETH	3402-412	NAZARETH SW	3402-413	NAZARETH NW	3402-414	ARNEY
3402-421	DIMMITT	3402-422	DIMMITT SW	3402-423	EASTER	3402-424	JUMBO
3402-431	HEREFORD SE	3402-432	HEREFORD	3402-433	MILO CENTER	3402-434	HEREFORD NE
3402-441	HAPPY HEREFORD RANCH	3402-442	BUFFALO LAKE SW	3402-443	DAWN	3402-444	UMBARGER
3403-111	GOLDEN RANCH	3403-114	ARCH NE	3403-141	PLEASURE LAKE	3403-144	FARWELL
3403-411	PLEASANT HILL SE	3403-414	PLEASANT HILL NE	3403-441	BELLVIEW	3403-444	ENDEE HILL
3497-222	RYAN SW	3498-111	IRVING	3498-112	PETROLIA	3498-113	HOOPER
3498-114	WAURIKA WEST	3498-121	CHARLIE	3498-122	THORNBERRY	3498-123	RANDLETT
3498-124	TAYLOR	3498-211	BURKBURNETT	3498-212	CLARA	3498-213	GRANDFIELD
3498-214	DEVOL	3498-221	SUNSHINE HILL	3498-222	ELECTRA	3498-223	COWBOY SPRINGS
3498-224	AUGUR CREEK	3499-111	HARROLD	3499-112	BOGGY CREEK	3499-113	OKLAUNION
3499-114	DAVIDSON	3499-121	LOCKETT	3499-122	RAYLAND	3499-123	TOLBERT
3499-124	VERNON	3499-131	NORTHSIDE	3499-132	ODELL	3499-133	AYERS ISLAND
3499-134	ELMER	3499-142	FREDERICK SW	3499-143	WHITE LAKE	3499-211	WARRIOR HOLLOW
3499-212	MARGARET	3499-213	BIG MOUND	3499-214	MEDICINE MOUND	3499-221	TEACUP MOUNTAIN

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3499-222	VIVIAN	3499-223	CACTUS CREEK	3499-224	MAYBELL CANYON	3499-231	QUANAH WEST
3499-232	GOODLETT	3499-233	WILLIAMS	3499-234	NORTH GROESBECK	3499-241	CHILLICOTHE
3499-242	QUANAH EAST	3499-243	ELDORADO	3499-244	QUANAH NE	3499-321	LOUIS
3499-322	HOLLIS SW	3500-111	LITTLE WOLF CREEK	3500-112	LUTIE	3500-113	SHAMROCK EAST
3500-114	FULLER	3500-121	DOZIER	3500-122	ABRA	3500-123	RAMSDELL
3500-124	SHAMROCK WEST	3500-131	WHEELER SE	3500-132	PAKAN	3500-133	SPRING CREEK
3500-134	WHEELER	3500-141	KELTON SE	3500-142	TWITTY	3500-143	KELTON NW
3500-144	KELTON	3500-211	SPENCER LAKE	3500-212	TROUBLESOME CREEK	3500-213	ALANRED
3500-214	MC LEAN	3500-221	GRIFFIN RANCH	3500-222	ROACH RANCH	3500-223	JERICHO
3500-224	ROCKLEDGE	3500-231	TAYLOR RANCH	3500-232	DEEP LAKE	3500-233	BOWERS CITY
3500-234	LEFORS	3500-241	BACK	3500-242	HUDGENS RANCH	3500-243	POND CREEK NW
3500-244	POND CREEK	3500-311	TOTTY SCHOOL	3500-312	LAKETON	3500-313	MIAMI
3500-314	LORA	3500-321	HOOVER	3500-322	PAMPA	3500-323	PAMPA NW
3500-324	PAMPA NE	3500-331	DRY CREEK SE	3500-332	DRY CREEK SOUTH	3500-333	DRY CREEK NORTH
3500-334	DRY CREEK NE	3500-341	WASHBURN ARROYO	3500-342	HORSE CREEK SOUTH	3500-343	HORSE CREEK NORTH
3500-344	EAST DRY CREEK	3500-411	ALLISON	3500-412	ALLISON SW	3500-413	LAKE JUNE
3500-414	HACKBERRY CREEK	3500-421	BRISCOE	3500-422	MOBEETIE	3500-423	YOUNG RANCH
3500-424	DADS CREEK	3500-431	CANADIAN SE	3500-432	MENDOTA	3500-433	CANADIAN WEST
3500-434	CANADIAN EAST	3500-441	GEM	3500-442	BLUE RIDGE SCHOOL	3500-443	LAKE MARVIN
3500-444	DREYFOOS	3501-111	ASHTOLA	3501-112	GOODNIGHT	3501-113	LARK
3501-114	GROOM	3501-121	CLAUDE	3501-122	CLAUDE SW	3501-123	CONWAY
3501-124	CLAUDE NE	3501-131	PANHANDLE EAST	3501-132	PANHANDLE WEST	3501-133	ABELL
3501-134	CUYLER	3501-141	GRANDVIEW SCHOOL	3501-142	WHITE DEER SW	3501-143	WHITE DEER
3501-144	KINGSMILL	3501-211	FAIRVIEW	3501-212	THOMAS RANCH	3501-213	PULLMAN
3501-214	WASHBURN	3501-221	THE PALISADES	3501-222	BUFFALO STADIUM	3501-223	AMARILLO WEST
3501-224	AMARILLO EAST	3501-231	PLEASANT VALLEY	3501-232	CLIFFSIDE	3501-233	PUENTE
3501-234	CHUNKY	3501-241	SEVENMILE BASIN	3501-242	MAYER	3501-243	BERRY SAND DRAW
3501-244	POMEROY	3501-311	DEAL	3501-312	ALIBATES RANCH	3501-313	EVANS CANYON
3501-314	SANFORD	3501-321	MC DOWELL CREEK	3501-322	MARSH	3501-323	MASTERSON
3501-324	SPENCER DRAW	3501-331	LITTLE BLUE CR	3501-332	DUMAS SOUTH	3501-333	DUMAS NORTH
3501-334	DUMAS NE	3501-341	CAMP CREEK	3501-342	POLLARD CREEK	3501-343	POLLARD CREEK NW

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NUMBER)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3501-344	POLLARD CREEK NE	3501-411	LAKE MC CONNELL	3501-412	SKELLYTOWN	3501-413	SKELLYTOWN NW
3501-414	SKELLYTOWN NE	3501-421	BORGER SE	3501-422	MC BRIDE	3501-423	BORGER
3501-424	PHILLIPS	3501-431	PLEMONS	3501-432	STINNETT	3501-433	PRINGLE
3501-434	STINNETT STATION	3501-441	ADOBE CREEK SE	3501-442	ADOBE CREEK SW	3501-443	ADOBE CREEK
3501-444	GARDEN SPRINGS	3502-111	BIVINS LAKE	3502-112	WILDORADO SW	3502-113	WILDORADO
3502-114	BUSHLAND	3502-121	ALLISON RANCH	3502-122	FORD	3502-123	VEGA SOUTH
3502-124	EVERETT	3502-131	JAY TAYLOR RANCH	3502-132	VEGA NORTH	3502-133	TORREY PEAK
3502-134	HALFWAY CREEK	3502-141	WOLF MOUNTAIN	3502-142	ROTTEN HILL	3502-143	ADY
3502-144	BODEN	3502-211	OVERSTREET LAKE	3502-212	SIMMS	3502-213	SIMMS NW
3502-214	SIMMS NE	3502-221	NORTON LAKE	3502-222	SAND POINT	3502-223	MOSER RANCH
3502-224	BOISE	3502-231	SIGNAL SPRING SE	3502-232	SIGNAL SPRING	3502-233	TRUJILLO CAMP
3502-234	VAT CAMP	3502-241	LANDERGIN	3502-242	ADRIAN	3502-243	BIG GEORGE TANK
3502-244	ALAMOCITOS CAMP	3502-311	MANY POST CAMP	3502-312	HUMDINGER SPRING	3502-313	PEDAROSA CAMP
3502-314	PROCTOR RANCH	3502-321	ROMERO SE	3502-322	KNOBLAW	3502-323	ROMERO
3502-324	SPRING CREEK RANCH	3502-331	MIDDLE WATER	3502-332	WHITEAKER RANCH	3502-333	BECK RANCH
3502-334	SYNDICATE HILLS	3502-341	KING SE	3502-342	KING SW	3502-343	KING
3502-344	PARDUE CAMP	3502-411	LITTLE INDIAN CREEK	3502-412	BOYS RANCH EAST	3502-413	BIVINS CHANNING RANCH
3502-414	BAUTISTA	3502-421	BOYS RANCH WEST	3502-422	TORREY HOUSE	3502-423	CHANNING NW
3502-424	CHANNING	3502-431	HARTLEY SE	3502-432	HARTLEY SW	3502-433	HARTLEY
3502-434	HARTLEY NE	3502-441	STALLWITZ LAKE	3502-442	BIRD RANCH STORE	3502-443	MORAN RANCH
3502-444	STALLWITZ LAKE NE	3503-111	ROCK CAMP	3503-114	GLENRIO	3503-141	MARTIN DRAW
3503-144	SANCHEZ SPRINGS	3503-411	NARA VISA	3503-414	DOYLE HILL	3503-441	AMISTAD SE
3503-444	KOGER RANCH	3600-111	HIGGINS SOUTH	3600-112	COBURN	3600-113	WILLOW CREEK
3600-114	HIGGINS NORTH	3600-121	GLAZIER	3600-122	LIPSCOMB SW	3600-123	BARTON CORNERS
3600-124	LIPCOMB	3600-131	DUGOUT CREEK	3600-132	TWIN GROVE	3600-133	GAYLORD
3600-134	DARROUZETT	3600-141	FOLLETT SE	3600-142	SKUNK CREEK	3600-143	FOLLETT
3600-144	MAGOUN	3600-211	BARTON CREEK	3600-212	PICKETT RANCH CREEK	3600-213	LAKE FRYER
3600-214	LAKE FRYER NE	3600-221	SOURDOUGH CREEK	3600-222	SOURDOUGH CREEK SW	3600-223	SOURDOUGH CREEK NW
3600-224	SOURDOUGH CREEK NE	3600-231	PERRYTON SE	3600-232	FARNSWORTH	3600-233	PERRYTON NW
3600-234	PERRYTON	3600-241	BOOKER SE	3600-242	BOOKER SW	3600-243	HUNTOON
3600-244	BOOKER	3601-111	SPEARMAN SE	3601-112	HOLT	3601-113	SPEARMAN

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3601-114	SPEARMAN NE	3601-121	MORSE SE	3601-122	MORSE	3601-123	HANNAS DRAW EAST
3601-124	HANSFORD	3601-131	KIMBALL	3601-132	GRUVER	3601-133	PHILLIPS CAMP
3601-134	BERNSTEIN	3601-141	WAKA	3601-142	WAKA SW	3601-143	HANSFORD CAMP
3601-144	HORSESHOE HILL	3601-211	CAPPS SWITCH SE	3601-212	CAPPS SWITCH	3601-213	CAPPS SWITCH NW
3601-214	HANNAS DRAW WEST	3601-221	SUNRAY	3601-222	CACTUS EAST	3601-223	SPURLOCK CHAPEL
3601-224	PLEASURE POND	3601-231	STEVENS SE	3601-232	STEVENS SW	3601-233	STEVENS
3601-234	TEXHOMA SOUTH	3601-241	WEST OF GRUVER	3601-242	COLDWATER CREEK	3601-243	FRISCO CREEK WEST
3601-244	FRISCO CREEK EAST	3602-111	CACTUS WEST	3602-112	EXUM	3602-113	CONLEN
3602-114	LAUTZ	3602-121	WILCO	3602-122	DALHART EAST	3602-123	CHAMBERLIN
3602-124	WILCO NE	3602-131	WEST OF BRICKEL	3602-132	RED COW DRAW	3602-133	NORTH OF RED COW DRAW
3602-134	WEST OF KERRICK	3602-141	STRATFORD	3602-142	BRICKEL	3602-143	KERRICK
3602-144	STRATFORD NE	3602-211	DALHART WEST	3602-212	CANYON SCHOOL	3602-213	BOLIN
3602-214	BOLIN NE	3602-221	WELLS RANCH	3602-222	WINDY HILL	3602-223	WINDY HILL NW
3602-224	WHARTON RANCH	3602-231	PERICO	3602-232	CORLENA	3602-233	CORLENA NW
3602-234	BUFFALO SPRINGS	3602-241	PRITCHARD RANCH	3602-242	TOVREA RANCH	3602-243	COLDWATER WEST
3602-244	COLDWATER EAST	3602-311	BOISE CITY SE	3602-312	BOISE CITY SW	3602-321	FELT
3602-322	FELT SW	3602-411	GRIGGS	3602-412	GRIGGS SW	3602-421	CONRAD
3602-422	CONRAD SW	3603-111	SEDAN SE	3603-114	SEDAN NE	3603-141	TEXLINE SOUTH
3603-144	TEXLINE NORTH	3603-411	RARDIN HILL				

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3300-211	A B C CREEK	2999-431	A BAR A RANCH	3197-444	ABBOTT	3501-133	ABELL
3301-331	ABERNATHY	3301-332	ABERNATHY SW	3299-243	ABILENE EAST	3299-234	ABILENE WEST
3296-441	ABLES SPRINGS	3500-122	ABRA	3105-232	ACALA	3299-423	ACAMPO
3396-432	ACHILLE	3201-312	ACKERLY	3297-243	ACTON	3301-311	ACUFF
3394-332	ACWORTH	3000-434	ADAMS	3000-433	ADAMS NW	3000-431	ADAMS SE
3000-432	ADAMS SW	3198-142	ADAMSVILLE	2995-342	ADDICKS	3296-334	ADDISON
3297-333	ADELL	3299-131	ADMIRAL	3501-443	ADOBE CREEK	3501-441	ADOBE CREEK SE
3501-442	ADOBE CREEK SW	3105-423	ADOBE HOUSE TANK	2904-341	ADOBES	3502-242	ADRIAN
3502-143	ADY	3001-131	AERMOTOR DRAW	3300-331	AFTON	2904-144	AGUA ADENTRO MOUNTAIN
2799-141	AGUA AZUL CREEK EAST	2799-142	AGUA AZUL CREEK WEST	2797-332	AGUA DULCE	2903-312	AGUA FRIA MOUNTAIN
2698-344	AGUA NUEVA	2698-343	AGUA NUEVA NW	2698-341	AGUA NUEVA SE	3401-214	AIKEN
2799-441	ALAMITO CREEK	2799-444	ALAMITO CREEK NE	3205-212	ALAMO MOUNTAIN	2904-413	ALAMO SPRING
3502-244	ALAMOCITOS CAMP	3500-213	ALANREED	3295-342	ALBA	3299-424	ALBANY
2798-232	ALBERCAS RANCH	3097-411	ALCOA LAKE	2995-433	ALDINE	3297-314	ALEDO
3298-112	ALEXANDER	3198-224	ALGERITA	2995-143	ALGOA	3501-312	ALIBATES RANCH
2798-441	ALICE NORTH	2798-414	ALICE SOUTH	2995-314	ALIEF	3105-111	ALLAMOORE
3197-433	ALLEN BEND	3099-242	ALLEN CREEK	3002-142	ALLEN RANCH	2996-423	ALLEYTON
3104-433	ALLIGATOR DRAW	2994-442	ALLIGATOR HOLE MARSH	3500-411	ALLISON	3502-121	ALLISON RANCH
3500-412	ALLISON SW	2796-333	ALLYNS BIGHT	2995-422	ALMEDA	3003-243	ALPINE NORTH
3003-242	ALPINE SOUTH	2798-211	ALTA VISTA RANCH	2798-212	ALTA VISTA RANCH SW	2996-422	ALTAIR
3195-414	ALTO	2698-131	ALTON	3003-132	ALTUDA	2997-232	ALUM
3297-143	ALVARADO	3397-242	ALVORD	2903-242	AMARILLA MOUNTAIN	3501-224	AMARILLO EAST
3501-223	AMARILLO WEST	3396-423	AMBROSE	3102-331	AMBURGEY RANCH	3402-122	AMHERST
2901-144	AMISTAD DAM	3503-441	AMISTAD SE	2996-331	AMMANNSVILLE	2900-124	ANACACHO
2994-342	ANAHUAC	2897-431	ANDER	3095-233	ANDERSON	3103-313	ANDERSON RANCH
2697-323	ANDREA RANCH	3202-241	ANDREWS	3203-122	ANDREWS PLACE	2995-123	ANGLETON
2998-432	ANHALT	3396-241	ANNA	2898-112	ANNA ROSE	2797-341	ANNAVILLE
3297-313	ANNETA	3394-322	ANNOVA	3299-332	ANSON	3398-134	ANTELOPE
3399-133	ANTELOPE CREEK NW	3399-132	ANTELOPE CREEK SW	3399-134	ANTELOPE CREEK NE	3399-131	ANTELOPE CREEK SE
3003-333	ANTELOPE FLAT	3198-132	ANTELOPE GAP	3299-433	ANTELOPE HILLS	3206-211	ANTHONY
3302-442	ANTON	3302-444	ANTON NE	3001-241	ANTONE CANYON	3104-233	APACHE PEAK

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3194-223	APPLE SPRINGS	3194-314	APPLEBY	3197-442	AQUILLA	3004-142	ARAGON
3201-442	ARAH	2797-443	ARANSAS PASS	3295-343	ARBALA	3194-431	ARCADIA
3403-114	ARCH NE	3398-311	ARCHER CITY EAST	3398-314	ARCHER CITY NE	3398-312	ARCHER CITY WEST
3100-234	ARDEN	3397-112	ARGYLE	3094-242	ARIZONA CREEK	3400-414	ARLIE
3297-414	ARLINGTON	2697-334	ARMSTRONG	2798-224	ARMSTRONG RANCH	3402-414	ARNEY
2799-121	ARROYO BURRO	2699-442	ARROYO CLARENO	2699-444	ARROYO HUISACHE	2904-423	ARROYO MELADO
2699-441	ARROYO MIGUEL	2799-124	ARROYO SALADO EAST	2799-123	ARROYO SALADO WEST	2699-443	ARROYO VELENO
3099-414	ART	2899-131	ARTESIA WELLS	2899-234	ASHERTON	2899-233	ASHERTON NW
3294-313	ASHLAND	3202-434	ASHMORE	3501-111	ASHTOLA	2995-221	ASHWOOD
3300-113	ASPERMONT	3300-112	ASPERMONT LAKE	3197-321	ATER	3295-224	ATHENS
3394-113	ATLANTA NORTH	3394-112	ATLANTA SOUTH	2899-124	ATLEE	3097-123	ATLEY
3195-441	ATOY	3396-232	AUBREY	3498-224	AUGUR CREEK	3195-421	AUGUSTA
3097-242	AUSTIN EAST	3097-231	AUSTIN WEST	3195-213	AUSTONIO	2896-234	AUSTWELL
3296-224	AVALON	3394-321	AVERY	3294-344	AVINGER	3297-433	AVONDALE
3196-323	AXTELL	3499-133	AYERS ISLAND	3297-344	AZLE	3105-411	BABB CANYON
3001-314	BACHELOR HILL	3098-444	BACHELOR PEAK	3500-241	BACK	2994-322	BACLIFF
3400-244	BADGER NEST TANK	3001-412	BAGGETT RANCH	3395-413	BAGWELL	3099-233	BAILEY CREEK
3000-332	BAILEY DRAW	3402-221	BAILEYBORO	3402-224	BAILEYBORO NE	3196-221	BAILEYVILLE
3299-133	BAIRD	3202-124	BAIRD LAKE	3400-114	BAKER	3095-343	BAKER LAKE
3198-223	BAKER SPRING	2901-443	BAKER'S CROSSING	3002-434	BAKERSFIELD	2902-444	BALCON CREEK
3194-213	BALD HILL	3299-221	BALD KNOB	2997-213	BALD MOUND	3196-123	BALD PRAIRIE
3400-212	BALLARD CAMP	3199-323	BALLINGER	3101-433	BALLINGER RANCH	3003-343	BALMORHEA
2798-214	BALUARTE RANCH	3093-312	BANCROFT	2999-414	BANDERA	2903-324	BANDERA MESA NORTH
2903-321	BANDERA MESA SOUTH	2999-441	BANDERA PASS	3199-414	BANGS EAST	3199-413	BANGS WEST
2797-331	BANQUETE	3004-431	BARE MOUNTAIN	3003-341	BARILLA MOUNTAINS EAST	3003-342	BARILLA MOUNTAINS WEST
3394-412	BARKMAN	3101-113	BARNHART	3101-114	BARNHART NE	3101-112	BARNHART SW
3103-123	BARRILLA DRAW NORTH	3103-122	BARRILLA DRAW SOUTH	3097-432	BARTLETT	3600-123	BARTON CORNERS
3600-211	BARTON CREEK	3398-112	BARTONS CHAPEL	3301-344	BARWISE	3295-142	BASCOM
3004-333	BASS CANYON	3394-241	BASSETT	3205-221	BASSETT LAKE	3097-121	BASTROP
3097-122	BASTROP SW	2998-424	BAT CAVE	2899-344	BATESVILLE	2999-212	BATESVILLE HILL
2899-343	BATESVILLE NW	2899-342	BATESVILLE SW	3200-242	BAUMANN SCHOOL	3502-414	BAUTISTA

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2895-333	BAY CITY	2895-334	BAY CITY NE	3105-422	BAYLOR DRAW	2897-112	BAYSIDE
3296-124	BAZETTE	3199-314	BEAD MOUNTAIN	3201-433	BEAL HOLLOW	3105-114	BEAN HILLS
3095-143	BEAR CREEK	3198-212	BEAR HOLLOW	3298-244	BEAR MOUNTAIN	3097-143	BEAUKISS
3094-111	BEAUMONT EAST	3094-112	BEAUMONT WEST	3398-333	BEAVER CREEK	3302-344	BECK
3502-333	BECK RANCH	3294-123	BECKVILLE	2699-413	BECKWITH ARM	3003-124	BECKWITH HILLS
3202-221	BEDFORD RANCH	3095-332	BEDIAS	3001-113	BEE CANYON	3097-232	BEE CAVE
2999-334	BEE CAVE HOLLOW	3099-122	BEE CAVES CREEK	3193-312	BEECH BAYOU	3094-441	BEECH GROVE
2902-342	BEEF GAP	2899-332	BEEF HOLLOW CREEK	2897-243	BEEVILLE EAST	2897-234	BEEVILLE WEST
3397-331	BELCHERVILLE	3003-441	BELDING	3003-444	BELDING NE	3003-443	BELDING NW
3003-442	BELDING SW	3197-113	BELFALLS	2995-423	BELLAIRE	3398-414	BELLEVUE
3403-441	BELLVIEW	2996-434	BELLVILLE	2997-312	BELMONT	3197-122	BELTON
3096-333	BEN ARNOLD	2798-413	BEN BOLT NW	2798-411	BEN BOLT SE	3196-312	BEN HUR
3295-243	BEN WHEELER	2798-422	BENAVIDES	2798-424	BENAVIDES NE	2798-423	BENAVIDES NW
3297-423	BENBROOK	3200-241	BENCH MOUNTAIN	3198-211	BEND	3102-414	BENGE CORNER
3102-413	BENGE CORNER NW	3102-411	BENGE CORNER SE	3102-412	BENGE CORNER SW	3399-321	BENJAMIN
3004-322	BENNETT RANCH	3199-331	BENOIT	2698-422	BENTSEN RANCH	2897-311	BERCLAIR
2897-313	BERCLAIR NW	3195-131	BEREA	2998-341	BERGHEIM	2996-411	BERNARD, EAST
2996-432	BERNARDO	3200-311	BERNECKER	3299-144	BERNIE LAKE	3601-134	BERNSTEIN
3294-221	BERRY HILL CREEK	3501-243	BERRY SAND DRAW	3295-122	BERRYVILLE	3098-414	BERTRAM
3101-214	BEST	3294-332	BETTIE	3094-124	BEVIL OAKS	3395-311	BIARDSTOWN
2798-334	BIEL LAKE NE	2798-333	BIEL LAKE NORTH	2798-331	BIEL LAKE SE	2798-332	BIEL LAKE SOUTH
3003-331	BIG AGUJA MOUNTAIN	2799-333	BIG APACHE HILL	3401-424	BIG BETTY RESERVOIR	3002-211	BIG BRINDLE CANYON
3002-133	BIG CANYON RANCH NW	3002-131	BIG CANYON RANCH	3002-134	BIG CANYON RANCH NE	3002-132	BIG CANYON RANCH SW
3099-312	BIG DRAW	3399-332	BIG FOUR RANCH	3502-243	BIG GEORGE TANK	3105-343	BIG HEISER TANK
3103-234	BIG HILL	2994-441	BIG HILL BAYOU	3101-123	BIG LAKE	3101-121	BIG LAKE SE
3101-122	BIG LAKE SW	3499-213	BIG MOUND	3295-411	BIG SANDY	3201-134	BIG SPRING NORTH NE
3201-132	BIG SPRING NORTH	3201-123	BIG SPRING SOUTH	3198-243	BIG VALLEY NORTH	3198-242	BIG VALLEY SOUTH
2899-311	BIG WELLS	3101-313	BIGBY CORNER	2998-221	BIGFOOT	2797-134	BIRD ISLAND, SOUTH
3003-241	BIRD MOUNTAIN	3202-142	BIRD RANCH	3502-442	BIRD RANCH STORE	3094-431	BIRDWELL LAKE
3402-223	BIRDWELL RANCH	2999-114	BIRY	3003-133	BISSETT MOUNTAIN	3104-321	BITTER WELL MOUNTAIN
3104-323	BITTER WELL MOUNTAIN NW	3104-322	BITTER WELL MOUNTAIN SW	3502-413	BIVINS CHANNING RANCH	3502-111	BIVINS LAKE

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2902-322	BLACK GAP	3105-134	BLACK HILLS	3105-412	BLACK MOUNTAINS	3105-413	BLACK MOUNTAINS NW
2900-433	BLACK WATERHOLE	3195-334	BLACKFOOT	3200-121	BLACKWELL	2997-122	BLACKWELL LAKE
3200-124	BLACKWELL NE	3200-122	BLACKWELL SW	2799-134	BLANCAS CREEK NORTH	2799-131	BLANCAS CREEK SOUTH
3095-414	BLANCHARD	3098-122	BLANCO	2999-241	BLANCO LAKE	2897-133	BLANCONIA
3197-214	BLAND	3198-331	BLANKET	3198-321	BLANKET SPRINGS	3297-121	BLANTON
3093-324	BLEAKWOOD	3303-411	BLEDSE	3303-414	BLEDSE NE	2896-442	BLESSING
2896-441	BLESSING SE	2899-132	BLOCKER TANK	3394-114	BLOOMBURG	3296-212	BLOOMING GROVE
2896-323	BLOOMINGTON	2896-322	BLOOMINGTON SW	3395-423	BLOSSOM	3098-244	BLOWOUT
3198-231	BLUCHER MOUNTAIN	3001-121	BLUE HILLS	3401-443	BLUE HOLE SPRINGS	3004-411	BLUE MOUNTAIN
3396-132	BLUE RIDGE	3500-442	BLUE RIDGE SCHOOL	3400-243	BLUE TANK CANYON	3398-413	BLUEGROVE
3397-123	BLUETT	3395-343	BLUFF	3199-131	BLUFF CREEK	3298-141	BLUFF DALE
3298-144	BLUFF DALE NE	3297-123	BLUM	3300-134	BOB CREEK	3398-243	BOBCAT BLUFF
3502-144	BODEN	2998-342	BOERNE	3395-143	BOGATA	3499-112	BOGGY CREEK
3004-432	BOGGY DRAW	3094-434	BOGGY LAKE	3399-333	BOILING SPRING	3502-224	BOISE
3602-311	BOISE CITY SE	3602-312	BOISE CITY SW	3602-213	BOLIN	3602-214	BOLIN NE
2995-232	BOLING	3399-422	BOMARTON	3093-313	BON WIER	2903-412	BONE SPRING
2903-414	BONE SPRING NE	3099-211	BONEYARD DRAW	3396-412	BONHAM	3397-341	BONITA
3297-241	BONO	2996-134	BONUS	3600-244	BOOKER	3600-241	BOOKER SE
3600-242	BOOKER SW	3397-221	BOONSVILLE	3301-443	BOOTHE	3402-331	BOOTLEG
3002-433	BOOTLEG CANYON	3104-122	BORACHO	3004-433	BORACHO PEAK	2996-313	BORDEN
3501-423	BORGER	3501-421	BORGER SE	2698-342	BORREGOS RANCH	3197-134	BOSQUE, SOUTH
2902-321	BOURLAND CANYON	3402-322	BOVINA	3500-233	BOWERS CITY	3397-321	BOWIE
3198-233	BOWSER	2901-412	BOX CANYON	3196-133	BOX CHURCH	3394-233	BOXELDER
3397-211	BOYD	3194-121	BOYKIN SPRING	3502-412	BOYS RANCH EAST	3502-421	BOYS RANCH WEST
3296-232	BOZ	2900-132	BRACKETTVILLE	2900-134	BRACKETTVILLE NE	3298-341	BRAD
3099-223	BRADFORD CREEK	3101-144	BRADFORD DRAW	3299-222	BRADSHAW	3198-222	BRADY MOUNTAIN
3199-124	BRADY NORTH	3199-121	BRADY SOUTH	3199-122	BRADY SW	3094-244	BRAGG
3005-414	BRAMLETT RANCH	3200-332	BRAND	3395-212	BRASHEAR	2995-211	BRAZORIA
3298-414	BRAZOS EAST	3297-214	BRAZOS POINT	3298-413	BRAZOS WEST	3298-332	BRECKENRIDGE
3196-213	BREMOND	3096-123	BRENHAM	3099-313	BREWER HOLLOW	3400-323	BRICE
3602-142	BRICKEL	3397-213	BRIDGEPORT EAST	3397-224	BRIDGEPORT WEST	3097-333	BRIGGS

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3202-322	BRINSON RANCH	3500-421	BRISCOE	2898-231	BRISCOE RANCH	3296-244	BRISTOL
3297-411	BRITTON	3194-131	BROADDUS	3297-323	BROCK	3000-412	BROKELEG MOUNTAIN
3303-141	BRONCO	3303-144	BRONCO NE	3194-141	BRONSON	3100-434	BRONTE
3199-411	BROOKSMITH	2995-332	BROOKSHIRE	3100-331	BROOME	2895-313	BROWN CEDAR CUT
3302-113	BROWNFIELD EAST	3302-124	BROWNFIELD WEST	3295-241	BROWNSBORO	2597-433	BROWNSVILLE, EAST
2597-344	BROWNSVILLE, WEST	3198-323	BROWNWOOD	3197-142	BRUCEVILLE	2899-312	BRUNDAGE
2798-234	BRUNI	2798-231	BRUNI SE	3103-433	BRUNSON RANCH	3193-324	BRUSHY CREEK
3001-141	BRUSHY DRAW	3397-322	BRUSHY MOUND	3096-424	BRYAN EAST	3096-423	BRYAN WEST
3394-123	BRYANS MILL	3102-441	BRYANT RANCH	2897-134	BRYANVILLE	3398-123	BRYSON
3194-114	BUCK BAY	2903-341	BUCK HILL	3298-323	BUCK MOUNTAIN	3096-112	BUCKHORN
3004-444	BUCKHORN MOUNTAIN	3105-342	BUCKHORN DRAW EAST	3105-331	BUCKHORN DRAW WEST	3400-142	BUCKLE L RANCH
3097-221	BUDA	3102-213	BUENA VISTA	3102-214	BUENA VISTA NE	3102-212	BUENA VISTA SW
3196-144	BUFFALO	3401-444	BUFFALO ARROYO	3199-324	BUFFALO BLUFF	3300-432	BUFFALO CREEK
3201-111	BUFFALO DRAW	3299-231	BUFFALO GAP	3198-221	BUFFALO KNOB	3402-442	BUFFALO LAKE SW
3602-234	BUFFALO SPRINGS	3301-312	BUFFALO SPRINGS LAKE	3501-222	BUFFALO STADIUM	3000-424	BUFFALO WELL
3000-423	BUFFALO WELL NW	3000-421	BUFFALO WELL SE	3000-422	BUFFALO WELL SW	3302-343	BULA
3200-314	BULL CREEK	2800-111	BULL HOLLOW TANK	3302-433	BULL LAKE	2900-412	BULL WATERHOLE
3295-124	BULLARD	2902-341	BULLIS GAP	2902-344	BULLIS GAP NE	2897-213	BULLSHEAD CREEK
2998-423	BULVERDE	3093-233	BUNA	3000-142	BUNDY RANCH	3301-411	BUNKER HILL
3298-124	BUNYAN	3498-211	BURKBURNETT	2897-241	BURKES RIDGE	3199-443	BURKETT
2996-443	BURLEIGH	3297-421	BURLESON	3098-442	BURNET	3397-434	BURNEYVILLE
2899-411	BURNS RANCH	3001-311	BURNT CANYON	3104-144	BURNT SPRING HILLS	3104-141	BURNT SPRING HILLS SE
3100-114	BURR OAK CREEK	2799-412	BURRITO TANK	3104-312	BURRO CANYON	3004-143	BURRO DRAW
3096-214	BURTON	3200-422	BUSBY	3002-244	BUSHER CANYON	3502-114	BUSHLAND
3302-144	BUSTERVILLE	3195-323	BUTLER	2903-424	BUTTERBOWL	3300-411	BUZZARD PEAK
3397-324	BUZZARD ROOST KNOB	3199-444	BYRDS	3105-434	C AND L DRAW	2898-423	CABALLOS CREEK
3499-223	CACTUS CREEK	3601-222	CACTUS EAST	3003-221	CACTUS FLAT	3602-111	CACTUS WEST
3298-313	CADDO	3298-314	CADDO NE	2897-233	CADIZ	2798-112	CAGE RANCH
2899-114	CAIMAN CREEK NE	2899-113	CAIMAN CREEK NW	2899-111	CAIMAN CREEK SE	3098-224	CAIN CITY
3096-312	CALDWELL	3194-344	CALEDONIA	3099-433	CALF CREEK	2901-411	CALIFORNIA CREEK
3093-322	CALL JUNCTION	2799-433	CALLAGHAN RANCH NORTH	2799-431	CALLAGHAN RANCH SE	2799-432	CALLAGHAN RANCH SOUTH

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3199-212	CALLAN	2898-134	CALLIHAM	2898-133	CALLIHAM NW	3397-414	CALLISBURG
2698-441	CALLO PADRONES	3295-341	CALVARY	3096-343	CALVERT	3094-343	CAMDEN
3096-332	CAMERON	3095-411	CAMILLA	3297-222	CAMP BRANCH	2998-314	CAMP BULLIS
3501-341	CAMP CREEK	3196-121	CAMP CREEK LAKE	2698-244	CAMP GARCIA	3200-342	CAMP SPRINGS
2900-414	CAMP WOOD	3105-242	CAMPO GRANDE MOUNTAIN	3500-434	CANADIAN EAST	3500-431	CANADIAN SE
3500-433	CANADIAN WEST	3096-443	CANARY	3004-213	CANDELARIA	2902-434	CANDILLA CANYON EAST
2902-433	CANDILLA CANYON WEST	3295-321	CANTON	3106-344	CANUTILLO	3401-333	CANYON
3602-212	CANYON SCHOOL	3401-331	CANYON SE	3301-134	CANYON VALLEY	3098-314	CAP MOUNTAIN
3301-133	CAP ROCK	3002-231	CAP ROCK BUTTE	3301-131	CAP ROCK SE	3094-224	CAPERS RIDGE
2994-244	CAPLEN	3004-214	CAPOTE FALLS	3004-241	CAPOTE PEAK	3601-212	CAPPS SWITCH
3601-213	CAPPS SWITCH NW	3601-211	CAPPS SWITCH SE	3198-422	CARADAN	2896-421	CARANCAHUA PASS
3298-231	CARBON	3400-134	CAREY	3095-442	CARLISLE	3096-411	CARLOS
3100-312	CARLSBAD	3198-443	CARLTON	3096-213	CARMINE	3094-333	CARMONA
2899-321	CARRIZO SPRINGS EAST	2899-323	CARRIZO SPRINGS NW	2899-322	CARRIZO SPRINGS WEST	3295-244	CARROLL
3296-333	CARROLLTON	2900-331	CARRUTHERS DRAW	2900-342	CARTA VALLEY	2900-344	CARTA VALLEY NE
2900-341	CARTA VALLEY SE	3394-122	CARTERVILLE	3294-124	CARTHAGE	3295-431	CARTWRIGHT
2904-414	CASA PIEDRA	3003-323	CASKET MOUNTAIN	3394-221	CASON	3194-124	CASSELLS BOYKIN PARK
3098-323	CASTELL	3104-431	CASTILE HILL	3102-131	CASTLE GAP	2998-311	CASTLE HILLS
3198-131	CASTLE PEAK	2903-214	CASTOLON	2998-232	CASTROVILLE	2996-431	CAT SPRING
2899-241	CATARINA	3003-213	CATHEDRAL MOUNTAIN	3101-143	CAUSEY DRAW	3303-444	CAUSEY EAST
3098-242	CAVE CREEK SCHOOL	3003-412	CAVE MESA	3003-414	CAVE MESA NE	3003-411	CAVE MESA SE
3100-122	CAVE SPRING	3000-321	CAVERNS OF SONORA	3105-234	CAVETT LAKE	2800-411	CAYETANO CREEK
2898-322	CAYMAN LAKE	3195-333	CAYUGA	3005-434	CEDAR ARROYO	3200-233	CEDAR BEND
3101-222	CEDAR CANYON	3296-322	CEDAR HILL	2895-432	CEDAR LAKES EAST	2895-341	CEDAR LAKES WEST
2895-343	CEDAR LANE	2895-344	CEDAR LANE NE	3399-322	CEDAR MOUNTAIN	3202-431	CEDAR POINT
3202-422	CEDAR POINT RANCH	3196-223	CEDAR SPRINGS	3296-411	CEDARVALE	3400-123	CEE VEE
3396-142	CELESTE	3396-231	CELINA	3100-432	CEMENT MOUNTAIN	3194-442	CENTER
3198-133	CENTER CITY	3401-233	CENTER PLAINS SCHOOL	2999-444	CENTER POINT	3195-232	CENTERVILLE
3195-141	CENTRALIA	2799-342	CERRITOS BLANCOS	3105-333	CERRO ALTO MOUNTAIN	2903-123	CERRO CASTELLAN
3105-433	CERRO DIABLO	2904-432	CERRO ORONA	2904-443	CERRO PRIETOS	2904-412	CERRO REDONDO
2800-444	CHACON CREEK NE	2800-443	CHACON CREEK NW	2800-441	CHACON CREEK SE	2800-442	CHACON CREEK SW

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3300-443	CHALK	2999-232	CHALK BLUFF	3402-342	CHALK HILL	3297-223	CHALK MOUNTAIN
3200-143	CHALK PEAK	3300-442	CHALK SW	3602-123	CHAMBERLIN	3094-341	CHAMBLISS HILL
3003-413	CHANCELLOR	3096-422	CHANCES STORE	3295-132	CHANDLER	3502-424	CHANNING
3502-423	CHANNING NW	3297-312	CHAPIN	3099-343	CHAPMAN DRAW	2797-422	CHAPMAN RANCH
3096-124	CHAPPELL HILL	2897-314	CHARCO	2899-141	CHARCO MARRANO CREEK	2799-114	CHARGOS CREEK
3395-244	CHARLESTON	3498-121	CHARLIE	2898-342	CHARLOTTE	3296-123	CHATFIELD
2997-132	CHEAPSIDE	3098-343	CHEROKEE	3098-233	CHERRY MOUNTAIN	3099-144	CHERRY SPRING
3094-344	CHESTER	3103-434	CHEYENNE DRAW	3103-431	CHEYENNE DRAW SE	3103-432	CHEYENNE DRAW SW
3397-231	CHICO	3104-314	CHICO DRAW EAST	3104-313	CHICO DRAW WEST	3400-143	CHILDRESS
3499-241	CHILLICOTHE	3197-141	CHILTON	3094-121	CHINA	3300-344	CHINA CANYON
3200-321	CHINA GROVE	3103-143	CHINA LAKE	3103-144	CHINA LAKE NE	3102-323	CHINA RANCH
3197-424	CHINA SPRINGS	2904-433	CHINATI PEAK	3194-144	CHINQUAPIN	3194-421	CHIRENO NORTH
3194-134	CHIRENO SOUTH	3004-313	CHISPA	3004-342	CHISPA MOUNTAIN	3004-344	CHISPA MOUNTAIN NE
3004-343	CHISPA MOUNTAIN NW	3095-443	CHITA	2897-342	CHOATE	3096-321	CHRIESMAN
2898-432	CHRISTINE EAST	2898-341	CHRISTINE WEST	2903-133	CHRISTMAS MOUNTAINS	2995-112	CHRISTMAS POINT
3100-123	CHRISTOVAL	3100-121	CHRISTOVAL SE	3501-234	CHUNKY	2800-114	CHUPADERA CREEK
3294-213	CHURCH HILL	3200-112	CHURCH PEAK	2799-424	CIBOLO RANCH	2904-442	CIENEGA MOUNTAINS
3205-111	CIENEGA SCHOOL	2904-434	CIENEGUITA	2999-342	CIRCLE BLUFF	3002-144	CIRCLE DOT RANCH NE
3002-143	CIRCLE DOT RANCH	3298-233	CISCO NORTH	3298-232	CISCO SOUTH	2997-442	CISTERN
2698-132	CITRUS CITY	3202-214	CLABBER HILL RANCH	3300-213	CLAIREMONT EAST	3300-224	CLAIREMONT WEST
3298-111	CLAIRETTE	2994-414	CLAM LAKE	3498-212	CLARA	3400-333	CLARENDON
3400-331	CLARENDON SE	3400-332	CLARENDON SW	2897-231	CLAREVILLE	3102-423	CLARK BROTHERS RANCH
2900-332	CLARK WATERHOLE	3395-411	CLARKSVILLE	3501-121	CLAUDE	3501-124	CLAUDE NE
3501-122	CLAUDE SW	3194-234	CLAWSON	3096-134	CLAY	3402-243	CLAYS CORNER
3401-244	CLAYTONVILLE	3401-243	CLAYTONVILLE NW	3099-333	CLEAR CREEK LAKE	3096-442	CLEAR LAKE
3297-131	CLEBURNE EAST	3297-132	CLEBURNE WEST	2898-121	CLEGG	2898-124	CLEGG NE
2898-122	CLEGG SW	3095-141	CLEVELAND	3098-311	CLICK	3501-232	CLIFFSIDE
3197-341	CLIFTON	2900-114	CLINE	3106-412	CLINT	3106-414	CLINT NE
3106-413	CLINT NW	3106-411	CLINT SE	2995-313	CLODINE	3201-131	COAHOMA
3000-413	COAL KILN DRAW	3097-342	COBBS CAVERN	3600-112	COBURN	3294-331	COFFEEVILLE
3402-121	COFFERVILLE	3100-214	COLD CREEK SPRING	3095-412	COLDSRING	3601-242	COLDWATER CREEK

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3602-244	COLDWATER EAST	3602-243	COLDWATER WEST	3199-432	COLEMAN	3199-434	COLEMAN NE
3095-444	COLITA	3301-412	COLLETT SPRINGS	3297-443	COLLEYVILLE	3104-232	COLLIER MESA
3294-134	COLLIERS CREEK	3299-434	COLLINS CREEK	3299-432	COLLINS CREEK SW	3396-322	COLLINSVILLE
3094-433	COLMESNEIL	3200-234	COLORADO CITY	3200-231	COLORADO CITY SE	2995-214	COLUMBIA, EAST
2996-314	COLUMBUS	3399-341	COLWELL CREEK	3198-344	COMANCHE	2999-133	COMANCHE WATERHOLE
2898-412	COMANCHE HILLS	2800-414	COMETA	2998-333	COMFORT	3395-232	COMMERCE NORTH
3395-223	COMMERCE SOUTH	3395-122	COMO	2901-413	COMSTOCK	3298-122	COMYN
2999-243	CONCAN	2798-134	CONCEPCION	2798-133	CONCEPCION NW	3199-321	CONCHO
2797-312	CONCORDIA	2997-124	CONCRETE	3301-432	CONE	3602-113	CONLEN
3095-334	CONNOR	3602-421	CONRAD	3602-422	CONRAD SW	3095-132	CONROE
3095-134	CONROE NE	3002-141	CONTINENTAL RANCH	3099-123	CONTRARY CREEK	3501-123	CONWAY
2901-333	COOK CREEK NORTH	2901-332	COOK CREEK SOUTH	3394-224	COOKVILLE	3196-342	COOLIDGE
3295-221	COON CREEK LAKE	3101-413	COON DIVE DRAW NW	3101-411	COON DIVE DRAW	3300-121	COON HOLLOW
3301-121	COOPER CREEK	3300-221	COOPER MOUNTAIN	3395-243	COOPER NORTH	3395-242	COOPER SOUTH
3394-231	COOPERS CHAPEL	3399-411	COPE BRANCH	3401-422	COPE CREEK	3197-222	COPPERAS COVE
3000-442	CORALINA RANCH	3296-211	CORBET	2996-213	CORDELE	3602-232	CORLENA
3602-233	CORLENA NW	3394-132	CORLEY	3105-432	CORNUDAS	3205-211	CORNUDAS MOUNTAIN
2797-432	CORPUS CHRISTI	3094-334	CORRIGAN	3402-111	CORRY	3296-122	CORSICANA
3197-311	CORYELL	2997-244	COST	3298-433	COSTELLO ISLAND	3301-333	COTTON CENTER
3397-212	COTTONDALE	3301-114	COTTONWOOD CREEK	3400-242	COTTONWOOD CAMP	3204-112	COTTONWOOD HILLS
2899-143	COTULLA	3098-431	COUNCIL CREEK	3302-342	COUNTY LINE	3000-331	COUPE RANCH
3097-133	COUPLAND	3096-141	COURTNEY	2994-331	COVE	3298-344	COVE CREEK
3297-124	COVINGTON	2900-213	COW CREEK TANK	3104-341	COW MOUNTAIN	3498-223	COWBOY SPRINGS
3102-324	COWDEN PLACE	3095-241	COWL SPUR	3003-344	COX DRAW	2898-441	COY CITY
3103-114	COYANOSA	3103-113	COYANOSA NW	3103-111	COYANOSA SE	3103-112	COYANOSA SW
3202-212	COYOTE CORNER	3098-234	CRABAPPLE	3098-211	CRABAPPLE CREEK	3095-342	CRABBS PRAIRIE
3397-232	CRAFTON	3102-134	CRANE	2797-413	CRANE ISLANDS NW	2797-412	CRANE ISLANDS SW
3102-133	CRANE NW	3102-132	CRANE SW	2897-123	CRANELL	3197-331	CRANFILLS GAP
2898-114	CRATER RIDGE	3197-422	CRAWFORD	3100-334	CRAWFORD SLIDE	3195-114	CRECY
3097-212	CREEDMOOR	3296-111	CRESLINN RANCH	3297-311	CRESSON	3199-334	CREWS
3195-132	CROCKETT	3001-414	CROCKETT HEIGHTS	3195-134	CROCKETT NE	3299-122	CROOKED CREEK

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2995-444	CROSBY	3301-413	CROSBYTON	2898-311	CROSS	3299-112	CROSS CUT
2898-314	CROSS, NE	3299-113	CROSS PLAINS NORTH	3295-222	CROSS ROADS	3300-312	CROTON CAMP
3295-421	CROW	3399-343	CROWELL	2999-323	CROWN MOUNTAIN	2898-422	CROWTHER
3296-213	CRYER CREEK	2899-324	CRYSTAL CITY	3298-333	CRYSTAL FALLS	3299-132	CUB HOLLOW
2900-443	CUB LAKE	2997-121	CUERO	2799-314	CUERVO CREEK	3004-122	CUESTA DEL BURRO WEST
3004-121	CUESTA DEL BURRO EAST	3004-123	CUESTA DEL BURRO NW	2698-331	CUEVITAS	2698-332	CUEVITAS SW
2998-243	CULEBRA HILL	3396-123	CULLEOKA	3205-112	CULP DRAW	3101-441	CUMBIE DRAW
3101-444	CUMBIE DRAW NE	3395-224	CUMBY	3398-141	CUNDIFF	3395-134	CUNNINGHAM
3294-433	CUNNINGHAM CREEK	2902-324	CUPOLA MOUNTAIN	3101-431	CURRIE RESERVOIR	3194-331	CUSHING
3095-131	CUT AND SHOOT	3395-144	CUTHAND	3201-144	CUTHBERT	3197-323	CUTOFF MTN.
2900-431	CUTTING PEN DRAW	3501-134	CUYLER	2995-343	CYPRESS	3098-222	CYPRESS CREEK
2999-131	D'HANIS	2899-242	DABNEY TANK	3095-234	DACUS	3398-313	DADS CORNER
3500-424	DADS CREEK	2903-411	DAGGER FLAT	3394-212	DAINGERFIELD	3094-212	DAISETTA
3394-242	DALBY SPRINGS	2997-344	DALE	3602-122	DALHART EAST	3602-211	DALHART WEST
3094-313	DALLARDSVILLE	3296-331	DALLAS	3200-213	DAM DRAW	2995-242	DAMON
2995-124	DANBURY	2995-224	DANCIGER	2996-112	DANEVANG	3096-113	DANIELS
3394-422	DANIELS CHAPEL	3294-133	DARCO	3300-412	DARK CANYON	3398-133	DARNELL BRANCH
3600-134	DARROUZETT	2997-321	DARST CREEK	3499-114	DAVIDSON	3097-431	DAVILLA
3094-231	DAVIS HILL	3402-443	DAWN	3196-343	DAWSON	3094-222	DAYTON
3294-142	DE BERRY	3394-311	DE KALB	3394-313	DE KALB NW	3298-211	DE LEON
3200-221	DEAD INDIAN MOUNTAIN	3001-312	DEAD MAN CANYON	2901-442	DEAD MAN'S PASS	2800-432	DEADMANS HILL
3501-311	DEAL	3398-434	DEAN	3096-234	DEANVILLE	3001-111	DEATON DRAW
3397-214	DECATUR	2896-134	DECROS POINT	2999-234	DEEP CREEK	3500-232	DEEP LAKE
3003-431	DEEP WELL RANCH SE	3003-432	DEEP WELL RANCH	3003-433	DEEP WELL RANCH NW	3001-331	DEER CANYON
3398-424	DEER CREEK	3004-133	DEER PEAK	2900-234	DEL RIO NE	2900-233	DEL RIO NW
2900-231	DEL RIO SE	2900-232	DEL RIO SW	3100-111	DEL VENADO RANCH	3104-244	DELAWARE RANCH
3104-432	DELAWARE SPRING	2997-432	DELHI	3105-443	DELL CITY	3104-143	DELLAHUNT DRAW EAST
3104-134	DELLAHUNT DRAW WEST	3198-313	DEMOCRAT	3396-341	DENISON DAM	3297-322	DENNIS
3195-424	DENSON SPRINGS	3397-114	DENTON EAST	3397-113	DENTON WEST	2899-232	DENTONIO
3202-334	DENVER CITY	3202-331	DENVER CITY SE	3202-332	DENVER CITY SW	3395-421	DEPORT
2899-442	DERBY	3201-441	DERMOTT	3104-414	DERRICK DRAW	3298-241	DESDEMONA

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3206-111	DESERT SE	3206-112	DESERT SW	3094-143	DESERTER BAYGALL	3395-424	DETROIT
3094-211	DEVERS	3105-121	DEVIL RIDGE	2998-443	DEVILS BACKBONE	3400-122	DEVILS CANYON
3003-222	DEVILS DEN	3000-111	DEVILS SINKHOLE	2998-223	DEVINE	3498-214	DEVOL
3196-412	DEW	3200-214	DEW DROP CREEK	2998-112	DEWEES	3101-343	DEWEY LAKE
3101-344	DEWEY LAKE NE	3101-341	DEWEY LAKE SE	2997-234	DEWVILLE	3396-332	DEXTER
3105-244	DIABLO CANYON EAST	3105-243	DIABLO CANYON WEST	2999-433	DIAMOND S RANCH	3102-224	DIAMOND Y SPRING NE
3102-223	DIAMOND Y SPRING NW	3102-221	DIAMOND Y SPRING SE	3102-222	DIAMOND Y SPRING	3194-224	DIBOLL
3401-111	DICK MOORE CANYON	3300-324	DICKENS NORTH	3300-321	DICKENS SOUTH	3201-223	DICKENSON RANCH
2995-144	DICKINSON	3398-441	DICKWORSHAM	3395-123	DIKE	2899-413	DILLEY
2899-414	DILLEY NE	2997-421	DILWORTH	3096-231	DIME BOX	3402-421	DIMMITT
3402-422	DIMMITT SW	3395-414	DIMPLE	3002-232	DIMPLE HILLS	2897-223	DINERO
3097-334	DING DONG	3395-331	DIRECT	3100-342	DIVIDE	3001-332	DIVIDE COUNTRY
3101-132	DIVIDE DRAW	3001-123	DIVIDE WELL DRAW	2899-431	DIVOT	2898-343	DOBROWOLSKI
3402-132	DODD	3396-411	DODD CITY	3402-134	DODD NE	3402-131	DODD SE
3400-441	DODSON	2903-314	DOG CANYON	3100-321	DOG CREEK	3100-324	DOG CREEK NE
3100-323	DOG CREEK NW	3100-322	DOG CREEK SW	3301-132	DOKEGOOD CREEK, SOUTH	2900-333	DOLAN SPRINGS
2799-313	DOLORES RANCH	3104-132	DOME HILL	3105-113	DOME PEAK	3394-141	DOMINO
3196-143	DONIE	2698-114	DONNA	3102-422	DOODLE BUG WELL	3199-244	DOOLE
3199-242	DOOLE SW	3396-312	DORCHESTER	2899-221	DOS HERMANOS PEAKS	3099-143	DOSS
3301-223	DOUBLE LAKES	3001-443	DOUBLE MILL DRAW NW	3001-441	DOUBLE MILL DRAW SE	3001-444	DOUBLE MILL DRAW NE
3300-122	DOUBLE MOUNTAINS	3301-444	DOUGHERTY	3194-323	DOUGLASS	3394-124	DOUGLASSVILLE
3102-341	DOURO	2902-331	DOVE MOUNTAIN	3004-314	DOWMAN CANYON	3503-414	DOYLE HILL
3500-121	DOZIER	3301-212	DRAW	2895-324	DRESSING POINT	3500-444	DREYFOOS
3098-111	DRIFTWOOD	3098-114	DRIPPING SPRINGS	3101-414	DRIPPING SPRINGS DRAW	2797-313	DRISCOLL EAST
2797-324	DRISCOLL WEST	3500-334	DRY CREEK NE	3500-333	DRY CREEK NORTH	3500-331	DRY CREEK SE
3500-332	DRY CREEK SOUTH	3104-411	DRY LAKE	3002-111	DRYDEN	3002-114	DRYDEN NE
3002-113	DRYDEN NW	3298-121	DUBLIN	3399-221	DUDLEYS CREEK	2903-343	DUFF SPRINGS
3600-131	DUGOUT CREEK	3003-123	DUGOUT MOUNTAIN	2898-233	DULL	3501-334	DUMAS NE
3501-333	DUMAS NORTH	3501-332	DUMAS SOUTH	3300-341	DUMONT	3000-244	DUNBAR DRAW NE
3000-243	DUNBAR DRAW NW	3000-241	DUNBAR DRAW SE	3000-242	DUNBAR DRAW SW	3296-323	DUNCANVILLE
3398-323	DUNDEE	3398-321	DUNDEE SE	3398-322	DUNDEE SW	3400-124	DUNLAP

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3098-422	DUNMAN MOUNTAIN	3200-322	DUNN	3096-432	DUNN CREEK	3194-322	DURST LAKES
3298-212	DUSTER	2996-421	EAGLE LAKE	2996-424	EAGLE LAKE NE	3005-444	EAGLE MOUNTAINS NE
3005-443	EAGLE MOUNTAINS NW	3005-441	EAGLE MOUNTAINS SE	3005-442	EAGLE MOUNTAINS SW	2800-423	EAGLE PASS EAST
2800-424	EAGLE PASS NE	2800-422	EAGLE PASS SW	2800-314	EAGLE PASS WEST	3197-132	EAGLE SPRINGS
3402-123	EARTH	3099-221	EARWOOD CREEK	3099-222	EARWOOD CREEK SW	3300-313	EAST AFTON
3300-314	EAST AFTON NE	3500-344	EAST DRY CREEK	3104-123	EAST HUNTER CANYON	3002-343	EAST MESA
3002-342	EAST MESA SW	3103-124	EAST OF BARRILLA DRAW NORTH	3402-423	EASTER	3298-234	EASTLAND
3294-244	EASTON	3194-112	EBENEZER	3002-243	EBERS CAMP	3093-213	ECHO
3004-443	ECHO CANYON	2999-434	ECHO HILL RANCH	3196-313	ECHOLS	2997-221	ECLETO
3396-421	ECTOR	2697-232	EDCOUCH	3199-224	EDEN	3199-221	EDEN SE
3199-222	EDEN SW	2997-113	EDGAR	3096-434	EDGE	3401-142	EDGEMON LAKE
3295-323	EDGEWOOD	2698-142	EDINBURG	3100-344	EDITH	3401-232	EDMONSON
3401-234	EDMONSON NE	2896-343	EDNA	3198-434	EDNA HILL	2797-343	EDROY
3299-441	EDWARDS BRANCH	2996-143	EGYPT	3198-441	EIDSON LAKE	2996-124	EL CAMPO
2996-121	EL CAMPO SE	2698-322	EL CHAPOTE CREEK	2800-421	EL INDIO	2697-311	EL JARDIN
3004-424	EL MUERTO PEAK	3106-432	EL PASO	3204-221	EL PASO GAP	2698-321	EL SAUZ
3003-244	ELAM MOUNTAIN	3201-214	ELBOW	3000-113	ELBOW LAKE	3294-242	ELDERVILLE
3499-243	ELDORADO	3000-341	ELDORADO	3000-344	ELDORADO NE	3000-343	ELDORADO NW
3000-342	ELDORADO SW	3498-222	ELECTRA	3003-211	ELEPHANT MOUNTAIN	3097-131	ELGIN EAST
3097-132	ELGIN WEST	3298-334	ELIASVILLE	3196-322	ELK	3195-311	ELKHART CREEK
2798-144	ELLA	2996-342	ELLINGER	2898-113	ELM CREEK	3099-342	ELM CREEK, EAST
3199-144	ELM GROVE	3197-414	ELM MOTT	2900-131	ELM MOUNTAIN	3099-321	ELM SLOUGH
2998-131	ELMENDORF	3499-134	ELMER	3296-413	ELMO	3195-221	ELWOOD
3296-214	EMHOUSE	3104-311	EMORY CORRAL	3295-334	EMORY NORTH	2903-124	EMORY PEAK
3295-331	EMORY SOUTH	3098-321	ENCHANTED ROCK	2899-121	ENCINAL	2698-443	ENCINO
3403-444	ENDEE HILL	3394-324	ENGLISH	3296-241	ENNIS EAST	3296-242	ENNIS WEST
3302-331	ENOCHS	3100-144	EOLA	3299-414	EOLIAN	3397-134	ERA
3397-131	ERA SE	2902-232	ERNST VALLEY	2799-111	ESCOBAS	2797-233	ESCONDIDO LAKE
3200-421	ESKOTA	3105-213	ESPERANZA	3400-422	ESTELLINE	3400-424	ESTELLINE NE
3400-423	ESTELLINE NW	3400-421	ESTELLINE SE	2797-444	ESTES	3396-321	ETHEL
3194-133	ETOILE NORTH	3194-132	ETOILE SOUTH	3299-241	EULA	3297-441	EULESS

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3195-231	EUNICE	3203-144	EUNICE NE	3203-141	EUNICE SE	3094-141	EVADALE
3093-344	EVANS	3501-313	EVANS CANYON	3198-143	EVANT	3502-124	EVERETT
3001-122	EVERETT CANYON	3602-112	EXUM	2996-232	EZZELL	3294-214	FAIR PLAY
3196-413	FAIRFIELD	3193-213	FAIRMOUNT	3501-211	FAIRVIEW	3197-332	FAIRY
2699-412	FALCON VILLAGE	2798-113	FALFURRIAS	2798-111	FALFURRIAS SE	2999-443	FALL CREEK
3196-422	FALLON	2898-444	FALLS CITY	2994-443	FANNETT EAST	2994-434	FANNETT WEST
2897-413	FANNIN	2800-412	FARIAS RANCH	2899-231	FARIAS TANK	3396-124	FARMERSVILLE
3600-232	FARNSWORTH	3196-134	FARRAR	3403-144	FARWELL	2898-442	FASHING
2996-343	FAYETTEVILLE	2698-143	FAYSVILLE	3002-242	FC RANCH	3097-141	FEDOR
3602-321	FELT	3602-322	FELT SW	3104-121	FENCEPOST DRAW	3096-412	FERGUSON CROSSING
3296-312	FERRIS	3400-214	FIELDS CANYON	3402-112	FIELDTON	3199-133	FIFE
3202-223	FIGURE SEVEN RANCH	3104-234	FIGURE TWO RANCH	3297-114	FILES VALLEY	2998-434	FISCHER
3199-423	FISK	2898-241	FITZPATRICK HOLLOW	3202-133	FIVE WELLS RANCH NW	3202-131	FIVE WELLS RANCH SE
3202-134	FIVE WELLS RANCH	3202-132	FIVE WELLS RANCH SW	3201-431	FIVEMILE CREEK	3002-331	FIVEMILE MESA
3096-242	FLAG POND	3402-133	FLAGG	2994-243	FLAKE	2900-312	FLAT ROCK CREEK SW
2900-311	FLAT ROCK CREEK SOUTH	2900-313	FLAT ROCK CREEK NW	2900-314	FLAT ROCK CREEK NORTH	3000-232	FLAT ROCK DRAW SW
3000-231	FLAT ROCK DRAW SE	3201-444	FLAT TOP MOUNTAIN	3198-113	FLAT TOP PEAK	2997-414	FLATONIA
2997-413	FLATONIA NW	2999-422	FLATROCK CROSSING	3299-311	FLATTOP	3397-334	FLEETWOOD
3195-233	FLO	3400-223	FLOMOT	3097-331	FLORENCE	3103-224	FLORENZO HILL
2998-113	FLORESVILLE	3202-244	FLOREY	2798-114	FLOWELLA	3201-233	FLOWER GROVE
3301-434	FLOYDADA	3301-431	FLOYDADA SE	3201-443	FLUVANNA	3099-441	FLY GAP
2899-133	FLYING W RANCH	3202-141	FLYNT RANCH	3399-334	FOARD CITY	3195-124	FODICE
3600-143	FOLLETT	3600-141	FOLLETT SE	3400-232	FOLLEY	3502-122	FORD
2997-111	FORDTRAN	3394-423	FOREMAN	3300-322	FOREMAN CHAPEL	3195-411	FOREST
3397-311	FORESTBURG	3296-432	FORNEY NORTH	3296-423	FORNEY SOUTH	3296-231	FORRESTON
3201-121	FORSAN	3106-434	FORT BLISS NE	3106-431	FORT BLISS SE	3003-322	FORT DAVIS
3003-321	FORT DAVIS SE	3299-443	FORT GRIFFIN	3105-231	FORT HANCOCK	3105-233	FORT HANCOCK NW
3197-224	FORT HOOD	3197-242	FORT HOOD, NORTH	3001-313	FORT LANCASTER	3000-441	FORT MC KAVETT
3000-443	FORT MC KAVETT NW	3000-444	FORT MC KAVETT NE	3002-334	FORT STOCKTON EAST	3002-333	FORT STOCKTON WEST
3000-143	FORT TERRETT RANCH	3297-424	FORT WORTH	3401-343	FORTRESS CLIFF	3298-432	FORTUNE BEND
3302-121	FOSTER	3095-142	FOSTORIA	3000-212	FOUR MILLS	3300-424	FOURMILE HILL

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2898-234	FOWLERTON	3398-334	FOWLKES	2896-431	FRANCITAS	2896-434	FRANCITAS NE
2896-433	FRANCITAS NW	3202-234	FRANKEL CITY	3202-232	FRANKEL CITY SW	3196-122	FRANKLIN
3106-433	FRANKLIN MOUNTAIN, NORTH	3399-441	FRANKLIN BEND	3094-144	FRANKLIN LAKE	3094-412	FRED
3499-142	FREDERICK SW	3098-231	FREDERICKSBURG EAST	3098-232	FREDERICKSBURG WEST	3099-444	FREDONIA
3397-422	FREEMOUND	2895-434	FREEPORT	2798-344	FREER NORTH	2798-343	FREER NW
2798-341	FREER SOUTH	2996-341	FRELSBURG	3004-111	FRENCHMAN HILLS	3096-243	FRENSTAT
3002-212	FRESNO CREEK	3004-441	FRIEND MOUNTAIN	2995-412	FRIENDSWOOD	2999-121	FRIO TOWN
2999-124	FRIO TOWN NE	3402-313	FRIONA	3396-224	FRISCO	3601-244	FRISCO CREEK EAST
3601-243	FRISCO CREEK WEST	3300-111	FROG MOUNTAIN	3395-434	FROGVILLE	3296-221	FROST
2994-311	FROZEN POINT	3295-324	FRUITVALE	3399-414	FULDA	3500-114	FULLER
2995-323	FULSHEAR	3299-331	FUNSTON	3395-213	GAFFORD CHAPEL	3201-432	GAIL
3201-434	GAIL NE	3397-413	GAINESVILLE NORTH	3397-412	GAINESVILLE SOUTH	3095-313	GALILEE
2899-212	GALVAN RANCH	2994-231	GALVESTON	2996-211	GANADO	2996-214	GANADO NE
3300-212	GANT HILLS	3402-332	GARCIA LAKE	3101-432	GARDEN CITY	3101-434	GARDEN CITY NE
3501-444	GARDEN SPRINGS	3400-411	GARDEN VALLEY	3202-122	GARDENDALE	3202-123	GARDENDALE NW
3101-241	GARDENER DRAW	2997-212	GARFIELD	3296-343	GARLAND	3297-332	GARNER
2999-213	GARNER FIELD	2999-214	GARNER FIELD NE	3101-242	GARRISON DRAW	3194-432	GARRISON EAST
3194-341	GARRISON WEST	3099-212	GARVEN STORE	2996-133	GARWOOD	3294-121	GARY
3197-243	GATESVILLE EAST	3197-234	GATESVILLE WEST	3096-342	GAUSE	3096-132	GAY HILL
3600-133	GAYLORD	3001-231	GEDDIS CANYON EAST	3001-232	GEDDIS CANYON WEST	3001-233	GEDDIS CANYON NW
3500-441	GEM	3193-233	GENEVA	3198-442	GENTRYS MILL	2898-141	GEORGE WEST
3097-313	GEORGETOWN	3197-324	GERMAN VALLEY	3201-222	GERMANIA	2997-323	GERONIMO
3004-243	GETTYSBURG PEAK	3197-413	GHOLSON	2998-222	GHOST HILL	3397-222	GIBTOWN
3096-223	GIDDINGS	3400-341	GILES	2997-224	GILLET	3399-313	GILLILAND
3003-131	GILLILAND PEAK	2901-414	GILLIS RANCH	3294-323	GILMER	3300-243	GILPIN
3300-434	GINSITE	3401-431	GIP CREEK	3300-242	GIRARD	3102-122	GIRVIN
3102-124	GIRVIN NE	3102-123	GIRVIN NW	3102-121	GIRVIN SE	3093-232	GIST
3294-322	GLADEWATER	3003-144	GLASS MOUNTAIN RANCH	3101-442	GLASS RANCH	3600-121	GLAZIER
2996-142	GLEN FLORA	3297-213	GLEN ROSE EAST	3297-224	GLEN ROSE WEST	3195-121	GLENDALE
2903-113	GLENN SPRING	3503-114	GLENRIO	3294-324	GLENWOOD	3104-214	GOAT CANYON
3003-212	GOAT MOUNTAIN	2996-123	GOBBLER CREEK	3396-144	GOBER	3297-244	GODLEY

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3295-314	GOLDEN	3403-111	GOLDEN RANCH	2898-331	GOLDFINCH	3299-212	GOLDSBORO
3102-344	GOLDSMITH	3198-244	GOLDTHWAITE	2897-423	GOLIAD	3302-123	GOMEZ
3104-111	GOMEZ PEAK	2997-422	GONZALES NORTH	2997-133	GONZALES SOUTH	3201-333	GOOCH LAKE
3499-232	GOODLETT	3296-112	GOODLOW PARK	3501-112	GOODNIGHT	3094-322	GOODRICH
3096-313	GOODWILL	2900-112	GOOFY LAKE	3298-421	GORDON	3396-331	GORDONVILLE
3298-213	GORMAN	3198-122	GORMAN FALLS	3199-422	GOULDBUSK	3103-223	GOZAR
3298-443	GRAFORD EAST	3298-434	GRAFORD WEST	3398-211	GRAHAM	3297-234	GRANBURY
3294-131	GRAND BLUFF	3298-331	GRAND LAKE	3295-313	GRAND SALINE	3102-231	GRANDFALLS
3102-232	GRANDFALLSSTEW SW	3498-213	GRANDFIELD	3297-142	GRANDVIEW	3501-141	GRANDVIEW SCHOOL
3097-423	GRANGER	3097-424	GRANGER LAKE	3105-311	GRANITE MOUNTAIN	3395-344	GRANT
3195-133	GRAPELAND	3297-444	GRAPEVINE	3204-211	GRAPEVINE DRAW	2903-143	GRAPEVINE HILLS
3301-214	GRASSLAND	3301-211	GRASSLAND SE	3399-443	GRAYBACK	3296-134	GRAYS PRAIRIE
3105-112	GRAYTON LAKE	2903-423	GRAYTOP	2697-134	GREEN ISLAND	2896-321	GREEN LAKE
3100-343	GREEN MOUNTAIN	3397-141	GREEN VALLEY	2993-334	GREENS BAYOU, WEST OF	3396-114	GREENVILLE NE
3396-113	GREENVILLE NW	3396-111	GREENVILLE SE	3396-112	GREENVILLE SW	3096-211	GREENVINE
3397-133	GREENWOOD	2797-434	GREGORY	3295-111	GRIFFIN	3500-221	GRIFFIN RANCH
3602-411	GRIGGS	3602-412	GRIGGS SW	3099-431	GRIT	3196-311	GROESBECK
3499-234	GROESBECK, NORTH	3501-114	GROOM	2999-122	GROSS TANK	3195-111	GROVETON EAST
3195-112	GROVETON WEST	3300-431	GROW	3300-433	GROW NW	3601-132	GRUVER
3104-331	GUADALUPE PASS	3104-334	GUADALUPE PEAK	2698-333	GUERRA	3294-222	GUM SPRINGS
3204-212	GUNSIGHT CANYON	3201-422	GUNSIGHT DRAW	3201-424	GUNSIGHT DRAW NE	3201-421	GUNSIGHT DRAW SE
3105-133	GUNSIGHT HILLS NORTH	3105-132	GUNSIGHT HILLS SOUTH	3396-243	GUNTER	3198-432	GUSTINE
3300-421	GUTHRIE	3300-423	GUTHRIE NW	2995-231	GUY	2999-223	HACIENDA
2900-444	HACKBERRY	3001-213	HACKBERRY CROSSING	3500-414	HACKBERRY CREEK	3002-424	HACKBERRY DRAW NE
3002-423	HACKBERRY DRAW NW	3002-421	HACKBERRY DRAW SE	3002-422	HACKBERRY DRAW SW	3202-121	HACKBERRY LAKE
3104-222	HACKETT PEAK	3193-214	HADDENS	3395-142	HAGANSPORT	3002-122	HAGLER CANYON
2996-132	HAHN	3295-424	HAINESVILLE	3103-321	HALAMICEK RANCH	3401-221	HALE CENTER
3401-222	HALE CENTER SW	2900-442	HALF MOON PRAIRIE	2899-443	HALFF RANCH	3401-223	HALFWAY
3502-134	HALFWAY CREEK	3199-141	HALL	2996-233	HALLETTSVILLE	2996-231	HALLETTSVILLE SE
3195-242	HALLS BLUFF	3294-311	HALLSVILLE	3399-342	HALSELL RANCH	3297-431	HALTOM CITY
3299-312	HAMBY	3193-321	HAMILTON, EAST	3198-414	HAMILTON EAST	3198-413	HAMILTON WEST

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3200-444	HAMLIN NE	3200-443	HAMLIN NW	3098-142	HAMMETTS CROSSING	3196-212	HAMMOND
2997-134	HAMON	2994-431	HAMSHIRE	3201-331	HANCOCK	3102-144	HANKS RANCH
3601-123	HANNAS DRAW EAST	3601-214	HANNAS DRAW WEST	3096-331	HANOVER	3601-124	HANSFORD
3601-143	HANSFORD CAMP	3401-324	HAPPY	3402-441	HAPPY HEREFORD RANCH	3401-212	HAPPY UNION
3094-213	HARDIN	3401-413	HARDSCRABBLE CREEK	2698-144	HARGILL	2901-344	HARKELL CANYON
3294-314	HARLETON	2697-213	HARLINGEN	2995-443	HARMASTON	3099-142	HARPER EAST
3099-131	HARPER WEST	3298-322	HARPERSVILLE	3001-143	HARRELL CANYON	3100-421	HARRIET
3294-132	HARRIS CHAPEL	2899-134	HARRIS LAKE	3193-222	HARRISBURG	3000-132	HARRISON RANCH
3499-111	HARROLD	3402-144	HART	3402-143	HART NW	3402-142	HART SW
3093-231	HARTHBURG	2698-442	HARTLAND	3502-433	HARTLEY	3502-434	HARTLEY NE
3502-431	HARTLEY SE	3502-432	HARTLEY SW	3394-222	HARVARD	3194-142	HARVEY CREEK
2997-314	HARWOOD	3399-213	HASKELL	3002-413	HAT-A RANCH	3199-332	HATCHELL
2697-133	HAWK ISLAND	3295-412	HAWKINS	3299-321	HAWLEY	3299-324	HAWLEY NE
3101-412	HAY HOLLOW	3401-143	HAY LAKE	3201-112	HAYRICK MOUNTAIN	3195-244	HAYS SPRING
3300-323	HAYSTACK MOUNTAIN	3096-344	HEARNE NORTH	3096-341	HEARNE SOUTH	2903-443	HEART MOUNTAIN
2798-242	HEBBRONVILLE	2798-243	HEBBRONVILLE NW	2798-241	HEBBRONVILLE SE	3396-221	HEBRON
3301-342	HECKVILLE	3400-342	HEDLEY	2995-341	HEDWIG VILLAGE	3400-321	HEEL FLY DRAW
3399-311	HEFNER	2897-334	HELENA	3400-131	HELL ROARING CREEK	3106-441	HELMS WEST WELL
2998-312	HELOTES	3193-231	HEMPHILL	3096-111	HEMPSTEAD	2903-244	HEN EGG MOUNTAIN
3294-224	HENDERSON	3003-312	HENDERSON MESA	3098-113	HENLY	3398-442	HENRIETTA
2897-424	HENSLEY LAKE	3004-434	HERDS PASS	3402-432	HEREFORD	3402-434	HEREFORD NE
3402-431	HEREFORD SE	3200-324	HERMLEIGH	3103-243	HERMOSA	3103-242	HERMOSA SW
3100-441	HERRING RANCH	3003-143	HESS CANYON	3302-423	HESTER RANCH	3099-341	HEXT
3096-322	HICKS	3094-421	HICKSBAUGH	3198-444	HICO	2698-121	HIDALGO
3202-333	HIGGINBOTHAM	3600-114	HIGGINS NORTH	3600-111	HIGGINS SOUTH	2994-422	HIGH ISLAND
2995-441	HIGHLANDS	3402-141	HILBURN	3297-231	HILL CITY	3000-141	HILL RANCH
2999-343	HILLCREST RANCH	3094-423	HILLISTER	3297-111	HILLSBORO EAST	3297-112	HILLSBORO WEST
3196-112	HILLTOP LAKES	2898-324	HINDES	2995-141	HITCHCOCK	3200-341	HOBBS
3203-414	HOBBS EAST	3203-411	HOBBS SE	3105-334	HOBO TANK	2997-131	HOCHHEIM
3095-221	HOCKLEY	2995-333	HOCKLEY MOUND	3394-243	HODGSON	3100-443	HOG MOUNTAIN
2899-434	HOLCOMB RESERVOIR	2900-343	HOLCOMB DRAW	3200-131	HOLDER CREEK	3097-433	HOLLAND

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2899-142	HOLLAND DAM	3398-342	HOLLIDAY	3499-322	HOLLIS SW	3201-341	HOLLOWAY CANYON
3601-112	HOLT	2999-142	HONDO	3395-322	HONEY GROVE	3397-421	HOOD
2903-444	HOOD SPRING	2903-441	HOOD SPRING SE	3394-134	HOOKS	3498-113	HOOPER
3500-321	HOOVER	3399-122	HOOVER MOUNTAIN	2996-223	HOPE	3295-141	HOPE POND
3104-142	HOPPER DRAW EAST	3104-131	HOPPER DRAW WEST	3400-224	HORNICA CREEK	3099-224	HORSE CAMP WATERHOLE
3500-343	HORSE CREEK NORTH	3500-342	HORSE CREEK SOUTH	3003-111	HORSE MOUNTAIN	3001-322	HORSEHEAD CANYON
2903-323	HORSEHOE MOUNTAINS	3397-441	HORSESHOE BEND	3004-423	HORSESHOE BUTTE	3601-144	HORSESHOE HILL
3094-342	HORTENSE	2995-113	HOSKINS MOUND	3000-322	HOSPITAL RANCH	3098-322	HOUSE MOUNTAIN
3002-223	HOUSTOP MOUNTAINS	2995-432	HOUSTON HEIGHTS	3201-212	HOUSTON RANCH	3003-421	HOVEY
3003-424	HOVEY NE	3003-422	HOVEY SW	3001-133	HOWARDS WELL	3001-134	HOWARDS WELL NE
3001-132	HOWARDS WELL SW	3396-311	HOWE	3098-133	HOWELL MOUNTAIN	3096-114	HOWTH
3402-312	HUB	3196-331	HUBBARD	3298-131	HUCKABAY	3298-132	HUCKABAY SW
3200-343	HUDD	3500-242	HUDGENS RANCH	3000-234	HUDSPETH DRAW	3105-424	HUECO STATION
3106-444	HUECO TANKS	3095-111	HUFFMAN	3400-322	HUGHES CANYON	3100-211	HULLDALE
3100-213	HULLDALE NW	3100-212	HULLDALE SW	2995-434	HUMBLE	3203-444	HUMBLE CITY NE
3203-441	HUMBLE CITY SE	3502-312	HUMDINGER SPRING	2996-144	HUNGERFORD	3099-121	HUNT
3001-421	HUNT RANCH	2998-441	HUNTER	3298-224	HUNTING SHIRT CREEK	3194-241	HUNTINGTON
3600-243	HUNTOON	3095-314	HUNTSVILLE	3398-443	HURNVILLE	3193-224	HURRICANE CREEK
3297-442	HURST	3197-313	HURST SPRING	3194-414	HURSTOWN	3296-313	HUTCHINS
3097-311	HUTTO	3193-332	HUXLEY	3098-214	HYE	3200-113	HYLTON
3201-113	HYMAN	3201-114	HYMAN NE	3201-142	IATAN	3394-331	IDABEL SE
3301-313	IDALOU	3102-242	IMPERIAL	3102-243	IMPERIAL NW	2900-122	IMPERIALIST TANK
3200-312	INADALE	3200-313	INADALE NW	3096-131	INDEPENDENCE	3104-343	INDEPENDENCE SPRING
3296-311	INDIA	3201-342	INDIAN CANYON	3201-344	INDIAN CANYON NE	3201-343	INDIAN CANYON NW
3198-322	INDIAN CREEK	2900-434	INDIAN CREEK NE	3001-142	INDIAN DRAW	3198-423	INDIAN GAP
3098-344	INDIAN HILLS	3005-431	INDIAN HOT SPRINGS	3299-411	INDIAN KNOLL	3195-312	INDIAN LAKE
3002-443	INDIAN MESA	3002-444	INDIAN MESA NE	3002-441	INDIAN MESA SE	2900-424	INDIAN MOUNTAIN
3401-412	INDIAN PEAK	2800-431	INDIAN TANK	2904-314	INDIO	2800-134	INDIO CREEK
3001-442	INDIO HILL	2800-143	INDIO TANK	2996-344	INDUSTRY	2896-334	INEZ
2896-333	INEZ NW	3302-222	INK BASIN	3096-441	IOLA	3398-343	IOWA PARK
3201-411	IRA	3201-414	IRA NE	3201-413	IRA NW	3201-412	IRA SW

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3001-333	IRAAN	3399-214	IRBY	3197-334	IREDELL	3196-334	IRENE
2999-123	IRISHMAN HILL	3295-332	IRON BRIDGE DAM	3104-113	IRON MOUNTAIN	3296-332	IRVING
3498-111	IRVING	3106-143	ISLA	2799-241	ISLA MESTENO	3296-223	ITALY
3297-113	ITASCA	3298-343	IVAN NORTH	3298-342	IVAN SOUTH	3198-141	IZORO
3300-413	J Y RANCH	2995-442	JACINTO CITY	2998-324	JACK MOUNTAIN	3094-314	JACKS CREEK NORTH
3094-311	JACKS CREEK SOUTH	3398-113	JACKSBORO	3398-114	JACKSBORO NE	3401-314	JACKSON HILL
3195-443	JACKSONVILLE EAST	3195-434	JACKSONVILLE WEST	3203-112	JAL	3203-114	JAL NE
3203-113	JAL NW	3203-111	JAL SE	3093-334	JAMESTOWN	3097-341	JARRELL
3093-333	JASPER EAST	3094-444	JASPER WEST	3203-121	JAVELINA BASIN	3502-131	JAY TAYLOR RANCH
3299-134	JAYELL	3300-241	JAYTON NORTH	3300-214	JAYTON SOUTH	2997-431	JEDDO
3294-431	JEFFERSON	3500-223	JERICHO	3196-142	JEWETT	2999-332	JO JAN VAN CAMP
2899-433	JOHNNIE LITTLE HILL	3098-132	JOHNSON CITY	3398-142	JOHNSON LAKE	2993-331	JOHNSONS BAYOU, WEST OF
3298-114	JOHNSVILLE	3398-431	JOLLY	3097-234	JOLLYVILLE	2895-433	JONES CREEK
3197-322	JONESBORO	3098-441	JOPPA	2903-333	JORDAN GAP	3396-121	JOSEPHINE
3297-133	JOSHUA	2898-344	JOURDANTON	3398-412	JOY	2999-333	JOY HOLLOW
3102-241	JUAN CORDONA LAKE	3399-232	JUD	3301-343	JULIA LAKE	2697-332	JULIAN
2995-133	JULIFF	3099-324	JULIO DRAW	3402-424	JUMBO	3202-233	JUMBO HILL
3204-121	JUMPING SPRING	3099-234	JUNCTION	3099-231	JUNCTION SE	3001-114	JUNO
3301-112	JUSTICEBURG	3301-113	JUSTICEBURG NW	3301-111	JUSTICEBURG SE	3397-121	JUSTIN
3301-143	KALGARY	2896-313	KAMEY	3294-413	KARNACK	2897-333	KARNES CITY
3099-434	KATEMCY	2995-331	KATY	3296-421	KAUFMAN	3104-422	KC RANCH
3195-322	KEECHI	3095-242	KEENAN	3297-134	KEENE	3096-414	KEITH
3297-434	KELLER	2896-422	KELLER BAY	2900-413	KELLEY PEAK	3294-432	KELLYVILLE
3500-144	KELTON	3500-143	KELTON NW	3500-141	KELTON SE	3194-231	KELTYS
3296-143	KEMP	3396-431	KEMP	3198-111	KEMPNER	2998-344	KENDALIA
2995-233	KENDLETON	2897-331	KENEDY	3195-142	KENNARD	3195-144	KENNARD NE
3297-413	KENNEDALE	3096-121	KENNEY	3104-112	KENT	3296-113	KERENS
3103-441	KERMIT	3103-443	KERMIT NW	3602-143	KERRICK	3099-112	KERRVILLE
3101-141	KETCHUM MOUNTAIN	3201-324	KEY	2898-332	KEYSTONE RANCH	2900-422	KICKAPOO CAVERNS
3100-113	KICKAPOO SPRING	3294-443	KILDARE	3294-234	KILGORE NE	3294-233	KILGORE NW
3294-231	KILGORE SE	3294-232	KILGORE SW	3197-212	KILLEEN	3601-131	KIMBALL

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3502-343	KING	3502-341	KING SE	3502-342	KING SW	2997-324	KINGSBURY
3098-423	KINGSLAND	3501-144	KINGSMILL	3396-343	KINGSTON SOUTH	2797-321	KINGSVILLE EAST
2797-323	KINGSVILLE NW	2797-322	KINGSVILLE WEST	3395-443	KIOMATIA	3300-141	KIOWA PEAK
3300-144	KIOWA PEAK NE	3300-143	KIOWA PEAK NW	3300-142	KIOWA PEAK SW	3299-244	KIRBY LAKE NE
3093-323	KIRBYVILLE	3400-144	KIRKLAND NORTH	3400-141	KIRKLAND SOUTH	3094-424	KIRKPATRICK LAKE
3196-431	KIRVIN	2797-241	KLEBERG POINT	3395-231	KLONDIKE	3100-241	KNICKERBOCKER
3100-243	KNICKERBOCKER NW	2999-242	KNIPPA	3298-142	NOB HILL	3502-322	KNOBLAW
3201-243	KNOTT	3201-244	KNOTT NE	3201-241	KNOTT SE	3201-242	KNOTT SW
3399-234	KNOX CITY	3399-233	KNOX CITY NW	3503-444	KOGER RANCH	3298-242	KOKOMO
2997-411	KOMENSKY	2997-222	KOSCIUSKO	3196-241	KOSSE EAST	3196-242	KOSSE WEST
3094-134	KOUNTZE NORTH	3094-131	KOUNTZE SOUTH	3094-132	KOUNTZE SW	3401-242	KRESS EAST
3401-231	KRESS WEST	3096-431	KURTEN	3103-343	KYLE RANCH	2698-141	LA BLANCA
2904-424	LA BOQUILLA	3298-312	LA CASA	2898-123	LA CHUSA HILL	2697-124	LA COMA
2998-231	LA COSTE	2998-234	LA COSTE NE	2697-224	LA FERIA	2698-314	LA GLORIA
2698-312	LA GLORIA SW	2996-334	LA GRANGE EAST	2996-333	LA GRANGE WEST	2698-242	LA GRULLA
2698-123	LA JOYA	2697-132	LA LEONA	2903-322	LA MOTA MOUNTAIN	2697-212	LA PALOMA
2797-223	LA PALOMA RANCH	2797-213	LA PARRA RANCH	2797-214	LA PARRA RANCH NE	2797-211	LA PARRA RANCH SE
2797-212	LA PARRA RANCH SW	2995-414	LA PORTE	2899-334	LA PRYOR	2899-333	LA PRYOR NW
2899-331	LA PRYOR SE	2698-424	LA REFORMA	2697-322	LA SAL VIEJA	2896-342	LA SALLE
3106-343	LA UNION	2998-141	LA VERNIA	2998-142	LA VERNIA SW	2896-432	LA WARD
3395-233	LADONIA	3098-223	LADY BIRD JOHNSON PARK	3294-334	LAFAYETTE	2900-144	LAGUNA
2697-123	LAGUNA ATASCOSA	2798-131	LAGUNA DEL TORO	3197-432	LAGUNA PARK	2697-121	LAGUNA VISTA
2903-231	LAJITAS	3297-342	LAKE WEATHERFORD	3299-223	LAKE ABILENE	2895-331	LAKE AUSTIN
3097-124	LAKE BASTROP	3396-413	LAKE BONHAM	3199-441	LAKE BROWNWOOD	3098-432	LAKE BUCHANAN
3200-232	LAKE COLORADO CITY	2994-223	LAKE COMO	2999-322	LAKE CREEK	3398-332	LAKE DIVERSION
3398-214	LAKE EDDLEMAN	3399-444	LAKE ELECTRA	3600-213	LAKE FRYER	3600-214	LAKE FRYER NE
2995-122	LAKE JACKSON	3500-413	LAKE JUNE	3399-442	LAKE KEMP, NORTHEAST	3399-431	LAKE KEMP, NORTHWEST
3399-413	LAKE KEMP, SOUTHEAST	3399-424	LAKE KEMP, SOUTHWEST	3398-324	LAKE KICKAPOO	3195-234	LAKE LEON
3500-443	LAKE MARVIN	3501-411	LAKE MC CONNELL	3198-311	LAKE MERRITT	3294-122	LAKE MURVAUL
3194-324	LAKE NACOGDOCHES NORTH	3194-321	LAKE NACOGDOCHES SOUTH	3398-234	LAKE OLNEY	2897-144	LAKE PASTURE
3199-431	LAKE SAN TANA	3199-433	LAKE SCARBOROUGH	3399-211	LAKE STAMFORD EAST	3399-212	LAKE STAMFORD WEST

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2994-312	LAKE STEPHENSON	3200-134	LAKE SWEETWATER	3401-144	LAKE THEO	3200-132	LAKE TRAMMELL
3098-443	LAKE VICTOR	3395-333	LAKE WEST	3398-341	LAKE WICHITA	3297-432	LAKE WORTH
3294-243	LAKEPORT	3297-122	LAKESIDE VILLAGE	3500-312	LAKETON	3401-322	LAKEVIEW
2897-114	LAMAR	3396-414	LAMASCO	3201-332	LAMESA NORTH	3201-323	LAMESA SOUTH
3198-431	LAMKIN	3198-112	LAMPASAS	3296-321	LANCASTER	3502-241	LANDERGIN
2899-224	LANDRUM TANK	2996-114	LANE CITY	2996-111	LANE CITY SE	3196-411	LANELY
3194-334	LANEVILLE	2901-341	LANGTRY	3294-434	LANIER	2799-422	LAREDO EAST
2799-133	LAREDO SOUTH	2799-311	LAREDO WEST	3402-232	LARIAT	3402-234	LARIAT NE
3501-113	LARK	3295-212	LARUE	2904-343	LAS CONCHAS	2698-323	LAS ESCOBAS RANCH
2898-323	LAS FLORES	2698-313	LAS ISLAS RANCH	2698-112	LAS MILPAS	2799-343	LAS TIENDAS
2899-422	LAS VEGAS	2902-312	LAS VEGAS DE LOS LADRONES SW	2902-313	LAS VEGAS DE LOS LADRONES	2697-233	LASARA
3105-123	LASCA	3294-341	LASSATER	3003-311	LAST CHANCE MESA	3294-411	LATEX
2797-311	LAURELES RANCH	3602-114	LAUTZ	3396-122	LAVON	3299-213	LAWN
3402-244	LAZBUDDIE	3402-241	LAZBUDDIE SE	3402-242	LAZBUDDIE SW	2897-312	LAZY F RANCH
3202-242	LAZY X RANCH	3199-312	LEADAY	2995-411	LEAGUE CITY	3295-213	LEAGUEVILLE
2999-324	LEAKEY	2898-434	LEAL	3097-321	LEANDER	3097-324	LEANDER NE
3394-143	LEARY	3396-333	LEBANON	2901-441	LECHUGUILLA CREEK	3096-224	LEDBETTER
3299-422	LEEPER CREEK	3201-122	LEES	3295-444	LEESBURG	2997-243	LEESVILLE
3500-234	LEFORS	3094-331	LEGGETT	3099-111	LEGION	3302-321	LEHMAN
3400-334	LELIA LAKE	3400-343	LELIA LAKE CREEK	2998-122	LEMING	3201-231	LENORAH EAST
3201-232	LENORAH WEST	2897-332	LENZ	3197-241	LEON JUNCTION	3397-433	LEON NORTH
3397-432	LEON SOUTH	3195-223	LEONA	3195-222	LEONA SW	3396-143	LEONARD
3003-142	LEONARD MOUNTAIN	3003-423	LEONCITA RANCH	3400-324	LESLEY	3302-421	LEVELLAND EAST
3302-422	LEVELLAND WEST	3396-222	LEWISVILLE EAST	3397-111	LEWISVILLE WEST	3097-144	LEXINGTON
3094-221	LIBERTY	3097-323	LIBERTY HILL	3003-114	LIGHTNING HILLS	3103-142	LIGON RANCH
3096-232	LINCOLN	3105-444	LINDA LAKE NORTH	3105-441	LINDA LAKE SOUTH	3295-422	LINDALE
3394-121	LINDEN	3103-342	LINDLEY RANCH	3101-233	LINDSEY RANCH	3395-412	LINE BRANCH
3298-123	LINGLEVILLE	3303-441	LINGO	2698-411	LINN	2698-414	LINN NE
2698-413	LINN NW	2698-412	LINN SIDING	3298-411	LIPAN	3600-124	LIPCOMB
3600-122	LIPSCOMB SW	2996-412	LISSIE	3003-332	LITTLE AGUJA MOUNTAIN	3501-331	LITTLE BLUE CR
3396-223	LITTLE ELM	3001-211	LITTLE FIELDER DRAW	3199-313	LITTLE GRAPE CREEK	3502-411	LITTLE INDIAN CREEK

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3097-434	LITTLE RIVER	3003-314	LITTLE STAR MOUNTAIN	3500-111	LITTLE WOLF CREEK	3302-434	LITTLEFIELD
3199-223	LIVE OAK	2899-112	LIVE OAK CREEK	3000-134	LIVE OAK DRAW	2898-131	LIVE OAK HOLLOW
2897-421	LIVE OAK LAKE	3099-214	LIVE OAK RANCH	2995-131	LIVERPOOL	3094-323	LIVINGSTON
3098-342	LLANO NORTH	3098-313	LLANO SOUTH	3200-331	LLOYD MOUNTAIN	3004-331	LOBO
3004-332	LOBO SW	3499-121	LOCKETT	3302-134	LOCKETTVILLE	2997-343	LOCKHART NORTH
2997-342	LOCKHART SOUTH	3401-122	LOCKNEY	3401-121	LOCKNEY SE	3400-413	LOCO
3294-111	LOGAN	3193-333	LOGANSPORT EAST	3194-444	LOGANSPORT WEST	3199-132	LOHN
2896-341	LOLITA	3095-324	LOMA	2898-211	LOMA ALTA	2898-214	LOMA ALTA NE
2898-213	LOMA ALTA NW	2899-341	LOMA VISTA	3198-123	LOMETA	3099-314	LONDON
3298-424	LONE CAMP	3098-341	LONE GROVE	3101-212	LONE MOUNTAIN	3395-222	LONE OAK NORTH
3295-333	LONE OAK SOUTH	3294-343	LONE STAR	3104-133	LONEMAN MOUNTAIN	3294-211	LONG BRANCH
3201-314	LONG DRAW	2903-313	LONG HILLS	3398-121	LONG HOLLOW	2896-241	LONG ISLAND
3195-324	LONG LAKE	3099-432	LONG MOUNTAIN	3104-342	LONG POINT	2999-211	LONG TREE HILL
3002-213	LONGFELLOW	2998-422	LONGHORN	3098-424	LONGHORN CAVERN	3294-312	LONGVIEW HEIGHTS
3200-424	LONGWORTH	3202-433	LOOP	3202-432	LOOP SW	2699-414	LOPENO
3500-314	LORA	3200-243	LORAINE	3197-143	LORENA	3301-314	LORENZO
2697-341	LOS AMIGOS WINDMILL	2899-144	LOS ANGELES	2698-214	LOS EBANOS	2698-213	LOS EBANOS NW
2697-122	LOS FRESNOS	2698-232	LOS GARZAS	2799-113	LOS OVEJAS CREEK	2899-223	LOSA TANK, EAST
2998-123	LOSOYA	3199-114	LOST CREEK	3197-114	LOTT	2897-412	LOTT LAKE
3499-321	LOUIS	2996-122	LOUISE	3401-311	LOVE	2999-432	LOVE CREEK
3195-123	LOVELADY NORTH	3195-122	LOVELADY SOUTH	3300-131	LOVERS RESORT	3398-241	LOVING
3100-411	LOWAKE	3300-441	LOWRANCE MOUNTAIN	3099-411	LOYAL VALLEY	2901-334	LOZIER CANYON NORTH
2901-331	LOZIER CANYON SOUTH	3301-321	LUBBOCK EAST	3301-322	LUBBOCK WEST	3201-211	LUCIAN WELLS RANCH
3299-341	LUEDERS EAST	3299-344	LUEDERS NE	3299-343	LUEDERS NW	3299-342	LUEDERS WEST
3194-242	LUFKIN	2997-313	LULING	3302-431	LUMS CHAPEL	3299-444	LUSK
3201-133	LUTHER	3500-112	LUTIE	3401-433	LUTTRELL SPRINGS	3401-434	LUTTRELL SPRINGS NE
3394-234	LYDIA	3398-131	LYNN CREEK	3096-244	LYONS	2998-224	LYTLE
3097-211	LYTTON SPRINGS	3296-141	MABANK	3202-113	MABEE RANCH	3300-333	MAC BAIN
2899-243	MAC DONALD LAKE	2998-242	MACDONA	3095-333	MADISONVILLE	3095-121	MAEDAN
2999-312	MAGERS CROSSING	3098-334	MAGILL MOUNTAIN	3095-213	MAGNOLIA EAST	3094-414	MAGNOLIA SPRINGS
3095-224	MAGNOLIA WEST	3600-144	MAGOUN	3097-332	MAHOMET	3003-313	MAJOR PEAK

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3296-114	MALAKOFF	3295-223	MALLARD HILL	3196-333	MALONE	3394-244	MALTA
3395-442	MANCHESTER	3398-331	MANKINS	3194-214	MANNING	3003-233	MANO PRIETO MOUNTAIN
3097-241	MANOR	3297-412	MANSFIELD	3097-233	MANSFIELD DAM	2896-344	MANSON
2995-134	MANVEL	3502-311	MANY POST CAMP	2904-411	MANZANILLO CANYON	3302-332	MAPLE
3003-113	MARATHON	3002-233	MARATHON GAP	2903-434	MARAVILLAS GAP	3098-421	MARBLE FALLS
2896-331	MARCADO CREEK	2998-114	MARCELINAS HILLS	3004-141	MARFA	3499-212	MARGARET
3196-113	MARGIE	2697-344	MARIA ESTELLA WELL	3394-214	MARIETTA	3397-444	MARIETTA EAST
3397-443	MARIETTA WEST	3396-234	MARILEE	2998-412	MARION	2903-112	MARISCAL MOUNTAIN
2896-444	MARKHAM	3398-132	MARKLEY	3102-142	MARLBORO CANYON	3102-141	MARLBORO CANYON SE
3196-232	MARLIN	3196-124	MARQUEZ	3501-322	MARSH	3294-421	MARSHALL EAST
3294-423	MARSHALL NW	3294-422	MARSHALL WEST	3196-321	MART	3503-141	MARTIN DRAW
2997-331	MARTINDALE	2998-134	MARTINEZ	3295-234	MARTINS MILL	3194-423	MARTINSVILLE
3200-123	MARYNEAL	3397-431	MARYSVILLE	3099-413	MASON	3501-323	MASTERSON
3400-221	MATADOR	2895-323	MATAGORDA	2895-322	MATAGORDA SW	2897-221	MATHIS
3399-241	MATTSON	3394-131	MAUD	3093-224	MAURICEVILLE	3100-442	MAVERICK
3200-334	MAVERICK CREEK	2900-224	MAVERICK DAM	3399-323	MAVERICK FLAT	3198-333	MAY
3499-224	MAYBELL CANYON	3195-431	MAYDELLE	3501-242	MAYER	2901-434	MAYFIELD CANYON
3004-341	MAYFIELD HILLS	3095-421	MAYNARD	3297-141	MAYPEARL	3096-334	MAYSFIELD
3301-414	MC ADOO	2698-421	MC ALLEN RANCH	3501-422	MC BRIDE	3102-113	MC CAMEY NORTH
3102-112	MC CAMEY SOUTH	2798-213	MC CAMPBELL RANCH	3299-413	MC CATHERINE MOUNTAIN	3200-442	MC CAULLEY
2902-443	MC CLAIN CANYON	3004-242	MC COMB CANYON	2698-133	MC COOK	2898-431	MC COY
3004-231	MC CUTCHEN RANCH	3097-142	MC DADE	3501-321	MC DOWELL CREEK	3102-143	MC ELROY RANCH
3299-211	MC EWEN DRAW	2897-411	MC FADDIN	3194-111	MC GEE BEND	3197-133	MC GREGOR
3000-411	MC KEGAN DRAW	3000-414	MC KEGAN DRAW NE	3200-333	MC KENZIE MOUNTAINS	3202-424	MC KENZIE LAKE
3202-423	MC KENZIE LAKE NW	3202-421	MC KENZIE LAKE SE	2903-331	MC KINNEY MOUNTAIN	3396-214	MC KINNEY EAST
2903-144	MC KINNEY SPRINGS	3396-213	MC KINNEY WEST	3400-344	MC KNIGHT	3196-231	MC LANAHAN
3500-214	MC LEAN	3294-444	MC LEOD	2997-341	MC MAHAN	3197-221	MC MILLAN MOUNTAINS
3105-224	MC NARY	2998-411	MC QUEENEY	3205-122	MC VEIGH HILLS	3200-222	MC WHORTER MOUNTAIN
3302-142	MEADOW	3302-141	MEADOW SE	3499-214	MEDICINE MOUND	2998-322	MEDINA LAKE
3398-233	MEGARGEL	3103-221	MEIER HILLS	2897-422	MELO	3194-422	MELROSE
3199-214	MELVIN	3400-314	MEMPHIS	3400-313	MEMPHIS NW	3099-334	MENARD

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3500-432	MENDOTA	3103-314	MENTONE	3103-312	MENTONE SW	2697-223	MERCEDES
3198-342	MERCERS GAP	3199-143	MERCURY	3100-143	MERETA	3197-343	MERIDIAN
3299-233	MERKEL EAST	3200-144	MERKEL WEST	3201-234	MERRICK	3093-341	MERRYVILLE NORTH
3093-314	MERRYVILLE SOUTH	3296-222	MERTENS	3100-231	MERTZON	3100-232	MERTZON SW
2903-213	MESA DE ANGUILA	3296-341	MESQUITE	2896-224	MESQUITE BAY	3004-323	MESQUITE SPRING
2899-123	MESTENO CREEK NORTH	2899-122	MESTENO CREEK SOUTH	3298-423	METCALF GAP	3102-313	METZ
3196-423	MEXIA	3001-222	MEYERS CANYON	3001-223	MEYERS CANYON NW	3001-224	MEYERS CANYON NE
2897-434	MEYERSVILLE	3500-313	MIAMI	3105-442	MICKEY DRAW EAST	3105-431	MICKEY DRAW WEST
3301-122	MIDDLE CREEK	3502-331	MIDDLE WATER	3195-224	MIDDLETON	2896-443	MIDFIELD
3101-324	MIDKIFF	3101-323	MIDKIFF NW	3101-321	MIDKIFF SE	3101-322	MIDKIFF SW
3202-111	MIDLAND, NORTHEAST	3202-112	MIDLAND, NORTHWEST	3102-444	MIDLAND, SOUTHEAST	3102-443	MIDLAND, SOUTHWEST
3296-233	MIDLOTHIAN	2898-111	MIDWAY	2900-324	MIERS RANCH	3193-234	MILAM
3096-324	MILANO	3100-412	MILES	3100-413	MILES NW	3395-221	MILLER GROVE
3199-234	MILLERSVIEW	3199-233	MILLERSVIEW NW	3199-231	MILLERSVIEW SE	3199-232	MILLERSVIEW SW
3395-444	MILLERTON	2899-412	MILLETT	3096-143	MILLICAN	3100-341	MILLICAN MOUNTAINS
2798-324	MILLS BENNETT	2798-323	MILLS BENNETT NW	2798-322	MILLS BENNETT SW	3402-433	MILO CENTER
3294-212	MINDEN	3295-423	MINEOLA	2897-322	MINERAL	3298-441	MINERAL WELLS EAST
3298-442	MINERAL WELLS WEST	3395-133	MINTER	2799-144	MIRANDO CITY	2898-212	MIRASOL CREEK
2698-124	MISSION	2897-113	MISSION BAY	2897-443	MISSION VALLEY	2995-311	MISSOURI CITY
3001-422	MITCHELL CANYON	3001-424	MITCHELL CANYON NE	3395-131	MITCHELL CREEK	3002-411	MITCHELL DRAW
3003-234	MITRE PEAK	3500-422	MOBEETIE	3002-112	MOFETA	3197-123	MOFFAT
2799-112	MOGOTES HILL	3105-341	MOLESWORTH MESA NORTH	3105-314	MOLESWORTH MESA SOUTH	3102-322	MONAHANS
3102-321	MONAHANS SE	3395-332	MONKSTOWN	2994-341	MONROE CITY	2994-332	MONT BELVIEU
3397-313	MONTAGUE	2698-134	MONTE CHRISTO	2900-411	MONTELL	2897-323	MONTEOLA
3095-243	MONTGOMERY	3395-111	MONTICELLO	3097-213	MONTOPOLIS	3099-422	MONUMENT MOUNTAIN
3099-421	MONUMENT MOUNTAIN SE	3098-123	MONUMENT HILL	3197-131	MOODY	3400-112	MOONS CAMP
3095-112	MOONSHINE HILL	2999-111	MOORE	3095-311	MOORE GROVE	3101-133	MOORE HILL
3000-334	MOORE RANCH	3295-214	MOORE STATION	2996-224	MORALES	3299-412	MORAN
3502-443	MORAN RANCH	2996-322	MORAVIA	3297-211	MORGAN	3298-143	MORGAN MILL
2994-323	MORGAN POINT	3098-413	MORMON MILL	3099-114	MORRIS RANCH	3601-122	MORSE
3601-121	MORSE SE	3302-324	MORTON	3302-323	MORTON NW	3302-322	MORTON SW

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3502-223	MOSER RANCH	3197-314	MOSHEIM	2896-242	MOSQUITO POINT	2994-334	MOSS BLUFF
3201-124	MOSS CREEK LAKE	2997-412	MOULTON	3302-114	MOUND LAKE	3301-442	MOUNT BLANCO
3194-343	MOUNT ENTERPRISE	3194-424	MOUNT HERMAN	3004-413	MOUNT LIVERMORE	3004-414	MOUNT LOCKE
3100-311	MOUNT NEBO	2996-212	MOUNT OLIVE	3003-214	MOUNT ORD	3394-223	MOUNT PLEASANT
3295-121	MOUNT SELMAN	3295-133	MOUNT SYLVAN	3395-113	MOUNT VERNON	3097-222	MOUNTAIN CITY
3099-124	MOUNTAIN HOME	3200-141	MOUNTAIN PASS	3397-144	MOUNTAIN SPRINGS	3205-222	MOUNTAIN TANK
2597-443	MOUTH OF RIO GRANDE	3105-142	MOVIE MOUNTAIN	2900-243	MUD CREEK NORTH	2900-242	MUD CREEK SOUTH
2994-421	MUD LAKE	2900-244	MUD SPRINGS	3099-241	MUDGE DRAW	3397-424	MUENSTER EAST
3397-423	MUENSTER WEST	3396-424	MULBERRY	2997-441	MULDOON	2898-242	MULE CREEK
3402-213	MULESHOE	3402-214	MULESHOE NE	3198-312	MULLIN	2897-232	MULOS HILLS
3096-314	MUMFORD	3399-244	MUNDAY EAST	3399-243	MUNDAY WEST	3295-242	MURCHISON EAST
3295-231	MURCHISON WEST	3100-314	MURPH DRAW	3299-442	MURPHY CREEK	2999-141	MURPHY SCHOOL
3398-222	MURRAY	3201-423	MUSHAWAY PEAK	2900-141	MUSTANG WATERHOLE	2995-142	MUSTANG BAYOU
3199-243	MUSTANG CREEK	3101-134	MUSTANG DRAW NE, SOUTH	3101-131	MUSTANG DRAW SE, SOUTH	3402-333	MUSTANG LAKE
2999-143	MUSTANG VALLEY	3295-322	MYRTLE SPRINGS	3194-313	NACOGDOCHES NORTH	3194-312	NACOGDOCHES SOUTH
3097-322	NAMELESS	3401-334	NANCE RANCH	3004-244	NANCY ANN RANCH	3394-213	NAPLES
3503-411	NARA VISA	3103-324	NARROW BOW DRAW	3098-434	NARUNA	3106-443	NATIONS EAST WELL
3106-442	NATIONS SOUTH WELL	3201-213	NATURAL DAM LAKE	3096-144	NAVASOTA	2996-221	NAVIDAD
3402-411	NAZARETH	3402-413	NAZARETH NW	3402-412	NAZARETH SW	3298-324	NECESSITY
3096-221	NECHANITZ	3195-432	NECHES	3199-211	NEEDLE CREEK	3402-212	NEEDMORE
2995-234	NEEDVILLE	3105-211	NEELY CANYON	3395-441	NEGLEY	3193-242	NEGREET SW
3200-441	NEINDA	3297-242	NEMO	3194-413	NEUVILLE	2998-144	NEW BERLIN
3394-133	NEW BOSTON	2998-414	NEW BRAUNFELS EAST	2998-413	NEW BRAUNFELS WEST	2997-211	NEW DAVY
3301-324	NEW DEAL	3397-244	NEW HARP	3301-232	NEW HOME	3301-231	NEW HOME SE
3395-112	NEW HOPE	3301-213	NEW LYNN	3395-334	NEW OBERLIN	3194-333	NEW SALEM
3195-444	NEW SUMMERFIELD	2996-131	NEW TAITON	2996-433	NEW ULM	3095-422	NEW WAVERLY
3094-332	NEW WILLARD	3198-341	NEWBURG	3398-213	NEWCASTLE	3206-121	NEWMAN
3206-122	NEWMAN SW	3302-111	NEWMOORE	3398-144	NEWPORT	3295-443	NEWSOME
3093-342	NEWTON EAST	3093-331	NEWTON WEST	2799-341	NIDO RANCH	3002-214	NINEMILE RANCH
3004-324	NINETYSIX RANCH	3198-121	NIX	2997-231	NIXON	3397-342	NOCONA
3100-223	NOELKE	3100-224	NOELKE NE	3100-221	NOELKE SE	3100-222	NOELKE SW

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3200-142	NOLAN	3197-211	NOLANVILLE	3000-323	NOLEN DRAW	3094-122	NOME
3200-411	NOODLE	3200-414	NOODLE NE	3003-232	NOPAL	2697-331	NORIAS
3196-111	NORMANGEE	3202-211	NORTH COWDEN	3202-213	NORTH COWDEN NW	3202-114	NORTH CURTIS RANCH
2697-143	NORTH OF PORT ISABEL NW	2697-142	NORTH OF PORT ISABEL SW	3602-133	NORTH OF RED COW DRAW	3103-121	NORTH OF TUCKER HILL
3400-231	NORTH WINDMILL	3096-444	NORTH ZULCH	3195-341	NORTHEAST PALESTINE	3400-241	NORTHFIELD
3499-131	NORTHSIDE	3195-342	NORTHWEST PALESTINE	3502-221	NORTON LAKE	3105-143	NORTON MESA
3194-143	NORWOOD	3102-334	NOTREES	3102-333	NOTREES NW	3099-113	NOTT BRANCH
3199-344	NOVICE EAST	3199-343	NOVICE WEST	3099-133	NOXVILLE	3299-313	NUGENT
2897-444	NURSERY	3104-224	NUTT RANCH	3201-334	O'DONNELL	2799-132	O'KEEFE LAKE
3296-324	OAK CLIFF	3004-113	OAK CREEK	3394-312	OAK GROVE	3097-224	OAK HILL
3004-131	OAK HILLS NORTH	3004-124	OAK HILLS SOUTH	2994-313	OAK ISLAND	3095-424	OAKHURST
2996-321	OAKLAND	2898-144	OAKVILLE	2898-142	OAKVILLE SW	3195-321	OAKWOOD
3001-234	OASIS RANCH	3196-243	ODDS	3499-132	ODELL	2797-344	ODEM
3102-434	ODESSA NE	3102-433	ODESSA NW	3102-431	ODESSA SE	3102-432	ODESSA SW
2900-113	ODLAW	3394-411	OGDEN	3401-332	OGG	3198-124	OGLES
3197-244	OGLESBY	3000-333	OGLESBY RANCH	3198-411	OHIO	2798-233	OILTON
3095-214	OKLAHOMA	3302-432	OKLAHOMA FLAT	3402-233	OKLAHOMA LANE	3499-113	OKLAUNION
3296-412	OLA	3003-134	OLD BLUE MOUNTAIN	3294-112	OLD CENTER	3300-114	OLD GLORY
3099-132	OLD NOXVILLE	3294-114	OLD PANOLA	3103-131	OLD X RANCH	3196-132	OLETHA
2896-423	OLIVIA	2697-211	OLMITO	2900-111	OLMOS CREEK	3398-231	OLNEY
3402-113	OLTON	3402-114	OLTON NE	3095-441	ONALASKA	2900-334	OPEN HOLLOW
3299-214	OPLIN	3093-212	ORANGE	2797-333	ORANGE GROVE	3093-221	ORANGEFIELD
2995-322	ORCHARD	3294-342	ORE CITY	3103-332	ORLA	3103-334	ORLA NE
3103-331	ORLA SE	2799-423	ORVIL	2797-424	OSO CREEK NE	2797-423	OSO CREEK NW
2995-241	OTey	2997-311	OTTINE	3196-234	OTTO	3095-124	OUTLAW POND
3104-434	OUTLAW SPRING	3502-211	OVERSTREET LAKE	3102-211	OWEGO	3198-332	OWENS
3001-344	OWENS CREEK NE	3001-343	OWENS CREEK NW	3001-341	OWENS CREEK SE	3001-342	OWENS CREEK SW
3196-211	OWENSVILLE	3104-443	OWL HILLS	2999-331	OWL HOLLOW	3300-414	OX YOKE CREEK
3098-312	OXFORD	2994-314	OYSTER BAYOU	2995-121	OYSTER CREEK	3102-234	OZARK LAKE
3001-413	OZONA	3001-411	OZONA SE	3098-144	PACE BEND	3094-443	PACE HILL
2903-311	PACKSADDLE MOUNTAIN	3203-212	PACUCA BREAKS WEST	3398-232	PADGETT	3105-323	PADRE CANYON

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3203-211	PADUCA BREAKS EAST	3400-121	PADUCAH	3097-114	PAIGE	3199-322	PAINT ROCK
3000-114	PAINT ROCK SPRING	3003-231	PAISANO	2797-232	PAISANO LAKE	3500-132	PAKAN
2896-413	PALACIOS	2896-414	PALACIOS NE	2896-412	PALACIOS POINT	2896-143	PALACIOS POINT, SOUTH OF
2896-411	PALACIOS SE	2799-332	PALAFIX SW	3195-314	PALESTINE, SOUTHEAST	3195-313	PALESTINE, SOUTHWEST
2798-412	PALITO BLANCO	3296-243	PALMER	2597-434	PALMITO HILL	2800-144	PALO BLANCO TANK
3298-431	PALO PINTO	3401-442	PALODURO	2800-433	PALOMA	2798-124	PALOMAS RANCH
2798-123	PALOMAS RANCH NW	2798-121	PALOMAS RANCH SE	2798-122	PALOMAS RANCH SW	3297-232	PALUXY
3500-322	PAMPA	3500-324	PAMPA NE	3500-323	PAMPA NW	3001-214	PANDALE
3501-131	PANHANDLE EAST	3501-132	PANHANDLE WEST	3294-141	PANOLA	3002-341	PANTHER BLUFF
3104-124	PANTHER CANYON	3204-222	PANTHER CANYON	3099-412	PANTHER CREEK	2902-431	PANTHER GULCH EAST
2902-432	PANTHER GULCH WEST	2903-142	PANTHER JUNCTION	2896-213	PANTHER POINT	2896-214	PANTHER POINT NE
3002-312	PANTHER TANK	2897-214	PAPALOTE	3004-412	PARADISE MOUNTAIN	2903-334	PARADISE DRAW
3502-344	PARDUE CAMP	3395-314	PARIS	2995-424	PARK PLACE	3102-442	PARKS
3402-321	PARMERTON	3400-311	PARNELL	2798-314	PARRILLA CREEK NE	2798-313	PARRILLA CREEK NW
2798-311	PARRILLA CREEK SE	2798-312	PARRILLA CREEK SW	2995-413	PASADENA	3199-213	PASCHE
2903-433	PASO DEL NORTE	2697-241	PASO REAL	2896-132	PASS CAVALLO SW	3395-341	PAT MAYSE LAKE EAST
3395-342	PAT MAYSE LAKE WEST	2799-442	PATO CREEK	3202-411	PATRICIA	3202-414	PATRICIA NE
3202-412	PATRICIA SW	3193-323	PATROON NORTH	3193-322	PATROON SOUTH	3104-332	PATTERSON HILLS
3101-342	PATTERSON LAKE	3395-422	PATTONVILLE	2898-414	PAWNEE	3202-324	PAYNES CORNER
3202-323	PAYNES CORNER NW	3202-321	PAYNES CORNER SE	3098-121	PAYTON	3300-123	PEACOCK
3198-144	PEARL	2995-421	PEARLAND	2899-444	PEARSALL NORTH	2899-441	PEARSALL SOUTH
3195-214	PEARSONS CHAPEL	3397-241	PECAN CREEK	3200-224	PECAN CROSSING	3395-234	PECAN GAP
3100-423	PECAN MOTT	3199-111	PECAN SPRINGS	3100-132	PECAN STATION	3198-421	PECAN WELLS
2996-222	PECK BRANCH	3101-331	PECKS LAKE	3103-133	PECOS EAST	2901-431	PECOS HIGH BRIDGE
3103-244	PECOS WEST	3502-313	PEDAROSA CAMP	3098-131	PEDERNALES FALLS	2898-413	PEGGY
2900-121	PELONCILLO PEAK	3196-332	PENELOPE	3195-113	PENNINGTON	3102-314	PENWELL
3102-311	PENWELL SE	3102-312	PENWELL SW	3197-443	PEORIA	3302-341	PEP
3195-422	PERCILLA	3602-231	PERICO	3102-421	PERKINS LAKE	3398-111	PERRIN
3600-234	PERRYTON	3600-233	PERRYTON NW	3600-231	PERRYTON SE	2903-413	PERSIMMON GAP
3195-344	PERT	2898-312	PERTLE CREEK	3301-341	PETERSBURG	3498-112	PETROLIA
2797-314	PETRONILA NE	3196-214	PETTEWAY	3097-441	PETTIBONE	3302-314	PETTTT

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3395-321	PETTY	3097-244	PFLUGERVILLE EAST	3097-243	PFLUGERVILLE WEST	3295-233	PHALBA
3203-221	PHANTOM BANKS	2698-113	PHARR	3095-423	PHELPS	3501-424	PHILLIPS
3601-133	PHILLIPS CAMP	3105-332	PHONE LINE CANYON	3600-212	PICKETT RANCH CREEK	3197-232	PIDCOKE
2898-224	PIEDRA CREEK NE	2898-223	PIEDRA CREEK NW	2898-221	PIEDRA CREEK SE	2898-222	PIEDRA CREEK SW
2799-414	PIEDRA PARADA RANCH	2799-413	PIEDRA PARADA TANK	2996-113	PIERCE	3203-223	PIERCE CANYON
3105-131	PIERCE RANCH	3396-131	PIKE	3001-423	PIKES PEAK	2997-241	PILGRIM
2899-214	PILONCILLO HILL	3396-133	PILOT GROVE	3197-344	PILOT KNOB	3396-233	PILOT POINT
3003-112	PINA BLANCA MOUNTAINS	3094-114	PINE FOREST	2902-334	PINE MOUNTAIN EAST	2902-333	PINE MOUNTAIN WEST
3095-341	PINE PRAIRIE	3193-232	PINELAND NORTH	3193-223	PINELAND SOUTH	3399-224	PINKERTON
2799-334	PINTO CREEK	2900-133	PINTO MOUNTAIN	3299-111	PIONEER	2998-323	PIPE CREEK
2697-333	PITA CAMP	2797-421	PITA ISLAND	3300-422	PITCHFORK FLATS	3300-311	PITCHFORK RANCH
3294-333	PITTSBURG	2896-324	PLACEDO	3199-142	PLACID	3302-224	PLAINS
3302-244	PLAINS 1 NE	3302-243	PLAINS 1 NW	3302-241	PLAINS 1 SE	3302-242	PLAINS 1 SW
3302-223	PLAINS NW	3302-221	PLAINS SE	3401-124	PLAINS, SOUTH	3401-213	PLAINVIEW
3401-211	PLAINVIEW SE	3396-212	PLANO	3095-231	PLANTERSVILLE	3400-312	PLASKA
2904-441	PLATA	2904-444	PLATA NE	3104-211	PLATEAU	3194-244	PLATT
3396-344	PLATTER	3401-432	PLEASANT CREEK	3295-433	PLEASANT GROVE	3302-212	PLEASANT HILL
3403-414	PLEASANT HILL NE	3403-411	PLEASANT HILL SE	3501-231	PLEASANT VALLEY	2898-433	PLEASANTON
3403-141	PLEASURE LAKE	3601-224	PLEASURE POND	2995-223	PLEDGER	3501-431	PLEMONS
3194-212	PLUCK	3095-114	PLUM GROVE	3296-442	POETRY	2896-314	POINT COMFORT
2797-132	POINT OF ROCKS	3200-434	POKE MOUNTAIN	3300-222	POLAR	3501-342	POLLARD CREEK
3501-344	POLLARD CREEK NE	3501-343	POLLARD CREEK NW	3501-244	POMEROY	3500-244	POND CREEK
3500-243	POND CREEK NW	3397-124	PONDER	3098-333	PONTOTOC	3401-344	PONY FLATS
3302-132	POOL	3297-334	POOLVILLE	2994-444	PORT ACRES	2797-441	PORT ARANSAS
2993-333	PORT ARTHUR NORTH	2993-332	PORT ARTHUR SOUTH	2994-234	PORT BOLIVAR	2797-442	PORT INGLESIDE
2697-112	PORT ISABEL	2697-113	PORT ISABEL NW	2896-311	PORT LAVACA EAST	2896-312	PORT LAVACA WEST
2697-422	PORT MANSFIELD	2896-133	PORT OCONNOR	3195-241	PORTER SPRINGS	2797-431	PORTLAND
3001-242	POST CANYON	3301-124	POST EAST	3197-213	POST OAK MOUNTAIN	3301-123	POST WEST
3398-143	POSTOAK	3094-411	POTATO PATCH LAKE	2998-211	POTEET	2998-111	POTH
3299-242	POTOSI	2697-431	POTRERO LOPENO SE	2797-122	POTRERO CORTADO	2697-433	POTRERO LOPENO NW
2697-432	POTRERO LOPENO SW	3294-414	POTTERS POINT	3396-342	POTTSBORO	3198-424	POTTSVILLE

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3296-121	POWELL	3295-211	POYNOR	3196-324	PRAIRIE HILL	3397-343	PRAIRIE VALLEY SCHOOL
3303-114	PRAIRIEVIEW NE	3303-111	PRAIRIEVIEW SE	3296-144	PRAIRIEVILLE	2798-141	PREMONT EAST
2798-142	PREMONT WEST	2904-421	PRESIDIO EAST	2904-422	PRESIDIO WEST	3294-223	PRICE
3398-244	PRICKLY PEAR BRANCH	3198-314	PRIDDY	3297-422	PRIMROSE	3001-244	PRINCE ALBERT DRAW
3501-433	PRINGLE	3602-241	PRITCHARD RANCH	3295-414	PRITCHETT	3198-433	PROCTOR
3502-314	PROCTOR RANCH	3398-224	PROFFITT	3398-223	PROFFITT CROSSING	2697-222	PROGRESO
3402-231	PROGRESS	3401-241	PROVIDENCE	3195-413	PRYOR MOUNTAIN	3004-212	PUEBLO NUEVO
3501-233	PUENTE	2903-332	PUERTO POTRILLO	2999-221	PULLIAM RANCH	3501-213	PULLMAN
2901-343	PUMPVILLE	3202-441	PUNKIN CENTER	3196-344	PURDON	3099-442	PURDY HILL
3395-121	PURLEY	3197-233	PURMELA	3300-244	PURSLEY HOUSE	3299-143	PUTNAM NORTH
3299-142	PUTNAM SOUTH	3104-333	PX FLAT	3103-411	PYOTE EAST	3103-414	PYOTE NE
3103-412	PYOTE WEST	3400-433	QUAIL	3499-242	QUANAHA EAST	3499-244	QUANAHA NE
3499-231	QUANAHA WEST	2800-344	QUEMADO EAST	2800-341	QUEMADO SE	2800-343	QUEMADO WEST
2999-144	QUIHI	3296-443	QUINLAN	3004-234	QUINN CREEK	2897-142	QUINTANA
3401-141	QUITAQUE	3401-114	QUITAQUE PEAKS	3295-432	QUITMAN	3103-134	QUITO DRAW
3098-221	RAFTER HOLLOW	2897-414	RAISIN	3301-423	RALLS	3301-424	RALLS NE
3301-421	RALLS SE	2798-132	RAMIREZ	3500-123	RAMSDELL	2901-342	RAMSEY CANYON
2798-222	RANADO	3498-123	RANDLETT	3298-243	RANGER	2998-331	RANGER CREEK
3101-223	RANKIN	3101-224	RANKIN NE	3101-221	RANKIN SE	3603-411	RARDIN HILL
3195-143	RATCLIFF	3203-142	RATTLESNAKE CANYON	3204-122	RATTLESNAKE SPRING	3394-111	RAVANNA
3200-413	RAVEN CREEK NORTH	3200-412	RAVEN CREEK SOUTH	3000-124	RAY LAKE	3000-123	RAY LAKE NW
3000-121	RAY LAKE SE	3000-122	RAY LAKE SW	2898-411	RAY POINT	3094-233	RAYBURN
3499-122	RAYLAND	2697-234	RAYMONDVILLE	3196-224	REAGAN	2999-321	REAGAN WELLS
2798-244	REALITOS	3104-344	RECTOR CANYON, SOUTH	3204-111	RED BLUFF	3103-333	RED BLUFF
3602-132	RED COW DRAW	3102-342	RED LAKES	2997-433	RED ROCK	3394-421	REDBANK
3298-133	REDDY MOUNTAIN	2904-143	REDFORD	2904-141	REDFORD SE	3194-243	REDLAND
2903-121	REED CAMP	2897-131	REFUGIO	2897-132	REFUGIO SW	3198-234	REGENCY
3002-234	REININGER DRAW	3194-332	REKLAW	3096-413	RELIANCE	2799-143	RETAMA CREEK
2996-413	REXVILLE	3399-121	REYNOLDS BEND	3399-123	REYNOLDS BEND NW	3402-323	RHEA
3399-312	RHINELAND	3397-122	RHOME	3295-442	RHONESBORO	2797-234	RICARDO
3095-321	RICHARDS	3196-433	RICHLAND	3198-232	RICHLAND SPRINGS	2995-321	RICHMOND

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2995-324	RICHMOND NE	3196-233	RIESEL	2698-311	RINCON	2897-121	RINCON BEND
3397-332	RINGGOLD	2999-313	RIO FRIO	2902-223	RIO GRANDE VILLAGE	2698-231	RIO GRANDE CITY SOUTH
2698-234	RIO GRANDE CITY NORTH	2697-214	RIO HONDO	3103-141	RIO PECOS RANCH	2998-233	RIOMEDINA
3298-222	RISING STAR	3294-113	RIVER HILLS	3398-444	RIVERLAND CEMETERY	3095-432	RIVERSIDE
2797-231	RIVIERA	2797-242	RIVIERA BEACH	2797-244	RIVIERA BEACH NE	2797-243	RIVIERA BEACH NW
3500-222	ROACH RANCH	3095-322	ROANS PRAIRIE	3300-334	ROARING SPRINGS	3099-344	ROBBERS ROOST
3004-442	ROBBERS ROOST CANYON	3196-141	ROBBINS	3100-433	ROBERT LEE	3197-144	ROBINSON
3000-221	ROBINSON DRAW	2797-342	ROBSTOWN	3200-423	ROBY	3199-113	ROCHELLE
3399-231	ROCHESTER	3503-111	ROCK CAMP	3399-143	ROCK CANYON	2999-442	ROCK CLIFF RESERVOIR
3401-133	ROCK CREEK	3002-314	ROCK HOUSE DRAW NE	3002-313	ROCK HOUSE DRAW NW	3002-311	ROCK HOUSE DRAW
3003-122	ROCK HOUSE GAP	2996-311	ROCK ISLAND	2898-243	ROCKAWAY CREEK	3096-323	ROCKDALE EAST
3097-414	ROCKDALE WEST	3101-142	ROCKER B RANCH	3100-112	ROCKING CHAIR RANCH	3194-122	ROCKLAND
3500-224	ROCKLEDGE	2897-111	ROCKPORT	3000-112	ROCKSPRINGS	3296-433	ROCKWALL
3098-241	ROCKY CREEK	3093-332	ROGANVILLE	3097-443	ROGERS	3400-431	ROLLA
3400-434	ROLLA NE	3400-432	ROLLA SW	2698-233	ROMA-LOS SAENZ EAST	2699-144	ROMA-LOS SAENZ WEST
3094-234	ROMAYOR	3502-323	ROMERO	3502-321	ROMERO SE	3000-144	ROOSEVELT
3302-143	ROPESVILLE	2997-434	ROSANKY	3200-244	ROSCOE	3095-212	ROSE HILL
3196-222	ROSEBUD	2995-132	ROSHARON	2798-432	ROSITA	2697-313	ROSITA LAKE
2697-314	ROSITA LAKE NE	2798-434	ROSITA NE	2798-433	ROSITA NW	2798-431	ROSITA SE
3401-421	ROSS CANYON	3398-122	ROSS MOUNTAIN	3203-222	ROSS RANCH	3296-133	ROSSER
3296-132	ROSSER SW	2998-212	ROSSVILLE	3200-432	ROTAN	3502-142	ROTTEN HILL
2900-322	ROUGH CANYON	2900-321	ROUGH CANYON SE	3098-112	ROUGH HOLLOW	3299-431	ROUND HILL
3098-134	ROUND MOUNTAIN	3196-131	ROUND PRAIRIE	3097-312	ROUND ROCK	3096-212	ROUND TOP
3099-141	ROUNDHEAD	3001-212	ROUNDHILL RANCH	3302-441	ROUNDUP	3196-444	ROUSTABOUT CAMP
3299-124	ROWDEN	3299-123	ROWDEN NW	3100-414	ROWENA	3296-344	ROWLETT
3395-312	ROXTON	2903-141	ROYS PEAK	3296-434	ROYSE CITY	3200-431	ROYSTON
3298-214	RUCKER	3103-341	RUDD DRAW	3103-344	RUDD DRAW NE	2697-324	RUDOLPH
3004-211	RUIDOSA HOT SPRINGS	3399-223	RULE	3198-114	RUMLEY	2897-343	RUNGE
2897-341	RUNGE SE	3195-442	RUSK	3300-343	RUSSELLVILLE	3099-323	RUST RANCH
3300-332	RUSTLER CAMP	3104-413	RUSTLER HILLS	3004-134	RYAN	3004-132	RYAN SW
3497-222	RYAN SW	3299-114	SABANNO	2999-132	SABINAL	2999-341	SABINAL CANYON

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2999-134	SABINAL NE	2993-323	SABINE PASS	2800-413	SACATOSA TANK	3002-344	SADDLE BUTTE
3396-324	SADLER	3399-222	SAGERTON	2698-243	SAGUNADA RANCH	2998-143	SAINT HEDWIG
3397-314	SAINT JO	3101-314	SAINT LAWRENCE	3101-311	SAINT LAWRENCE SE	3097-344	SALADO
3295-123	SALINE BAY	2699-411	SALINENO	2900-143	SALMON PEAK	3397-312	SALONA
3105-414	SALT FLAT	3199-241	SALT GAP	3101-332	SALT LAKE	2800-113	SALT WELL
3193-243	SALTER CREEK	3395-124	SALTILLO	2697-342	SALTILLO WELL	2997-214	SAMPLE
2800-124	SAN AMBROSIA CREEK 3 NE	3100-422	SAN ANGELO NORTH	3100-133	SAN ANGELO SOUTH	2998-133	SAN ANTONIO EAST
3004-421	SAN ANTONIO PASS	2698-334	SAN ANTONIO VIEJO	2998-244	SAN ANTONIO WEST	3099-332	SAN AUGUSTINE DRAW
3194-411	SAN AUGUSTINE EAST	3194-412	SAN AUGUSTINE WEST	2898-132	SAN CAJA HILL	2798-442	SAN DIEGO
2798-444	SAN DIEGO NE	3106-421	SAN ELIZARIO	3004-112	SAN ESTEBAN LAKE SW	3004-114	SAN ESTEBAN LAKE
2996-441	SAN FELIPE	2902-343	SAN FRANCISCO SHUTUPS	3097-413	SAN GABRIEL	2998-321	SAN GERONIMO
2698-423	SAN ISIDRO	3095-312	SAN JACINTO	2798-421	SAN JOSE	2698-111	SAN JUAN SE
2995-111	SAN LUIS PASS	2997-333	SAN MARCOS NORTH	2997-332	SAN MARCOS SOUTH	3104-114	SAN MARTINE
2898-313	SAN MIGUEL RANCH	2798-321	SAN PABLO	2798-221	SAN PABLO RANCH	2797-334	SAN PATRICIO
2800-141	SAN PEDRO CREEK	2799-331	SAN PEDRO HILL	2697-343	SAN PEDRO RANCH	2697-312	SAN PERLITA NORTH
2697-243	SAN PERLITA SOUTH	2902-314	SAN ROSENDO	3198-213	SAN SABA	3198-241	SAN SABA PEAK
2698-444	SAN TOMAS CAMP	2903-114	SAN VICENTE	2799-122	SAN YGNACIO	3503-144	SANCHEZ SPRINGS
3200-211	SANCO	3202-413	SAND	3101-443	SAND BLUFF DRAW	3201-313	SAND CREEK
3103-311	SAND LAKE	2999-222	SAND MOUNTAIN	3502-222	SAND POINT	3202-224	SAND RANCH
3195-212	SAND RIDGE	3300-342	SANDERS HOLLOW	3002-123	SANDERSON	3002-124	SANDERSON NE
3002-121	SANDERSON SE	3301-433	SANDHILL	2897-222	SANDIA	2997-423	SANDY FORK
3501-314	SANFORD	3397-142	SANGER	3199-424	SANTA ANNA	2698-432	SANTA ELENA
2698-433	SANTA ELENA NW	2698-431	SANTA ELENA SE	2697-221	SANTA MARIA	2697-231	SANTA ROSA
3399-433	SANTA ROSA LAKE NW	3399-434	SANTA ROSA LAKE	3399-432	SANTA ROSA LAKE SW	2903-232	SANTANA MESA
2903-432	SANTIAGO PEAK	3298-412	SANTO	3103-212	SARAGOSA	3103-213	SARAGOSA NW
3094-241	SARATOGA	3394-211	SARDIS	2895-342	SARGENT	2797-224	SARITA
2797-222	SARITA SW	2798-342	SARNOSA HILL	2998-124	SASPAMCO	2998-121	SASPAMCO SE
2900-323	SATAN CANYON	2995-344	SATSUMA	2998-442	SATTLER	2903-233	SAUCEDA RANCH
3301-422	SAVAGE	3000-324	SAVELL RANCH	2996-312	SAWMILL BRANCH	3202-143	SCHARBAUER RANCH
2898-334	SCHATTEL	2898-333	SCHATTEL NW	2998-421	SCHERTZ	3001-434	SCHNEEMANN DRAW NE
3001-433	SCHNEEMANN DRAW NW	3001-431	SCHNEEMANN DRAW SE	3001-432	SCHNEEMANN DRAW SW	3302-234	SCHOOLER RANCH

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3401-411	SCHOTT MOUNTAIN	3005-433	SCHRODER ARROYO	2897-442	SCHROEDER	2996-323	SCHULENBURG
3094-321	SCHWAB CITY	3398-423	SCOTLAND	3398-421	SCOTLAND SE	3098-324	SCOTTS CROSSING
3294-412	SCOTTSVILLE	3299-141	SCRANTON	3105-421	SCRATCH RANCH	3104-441	SCREW BEAN DRAW EAST
3104-444	SCREW BEAN DRAW NE	3104-442	SCREW BEAN DRAW WEST	3296-422	SCURRY	2995-114	SEA ISLE
2896-243	SEADRIFT	2896-244	SEADRIFT NE	3296-314	SEAGOVILLE	3202-344	SEAGRAVES
3202-343	SEAGRAVES NW	3202-341	SEAGRAVES SE	3202-342	SEAGRAVES SW	2996-442	SEALY
3197-112	SEATON	2999-423	SECO PASS	3603-114	SEDAN NE	3603-111	SEDAN SE
2798-143	SEELIGSON RANCH	3094-312	SEGNO	3099-243	SEGOVIA	2997-322	SEGUIN
3395-323	SELS	3397-233	SELMA	3202-313	SEMINOLE	2901-424	SEMINOLE CANYON
3202-314	SEMINOLE NE	3202-311	SEMINOLE SE	3202-312	SEMINOLE SW	3398-124	SENATE
2995-431	SETTEGAST	3300-132	SEVEN DIAMOND L CANYON	3104-241	SEVEN HEART GAP	3104-243	SEVEN HEART GAP NW
3104-423	SEVEN L PEAK	3104-424	SEVEN L PEAK NE	3102-233	7 L RANCH	3501-241	SEVENMILE BASIN
3001-221	SEVENMILE CANYON	3101-232	SEVENMILE CORNER	3101-234	SEVENMILE CORNER NE	3101-231	SEVENMILE CORNER SE
2999-231	SEVENMILE HILL	3002-412	SEVENTEEN RANCH	3399-412	SEYMOUR EAST	3399-421	SEYMOUR WEST
3295-413	SHADY GROVE	2798-443	SHAEFFER RANCH	2904-431	SHAFTER	2902-441	SHAFTER CANYON
3000-233	SHAFTER DRAW	3202-243	SHAFTER LAKE	3301-323	SHALLOWATER	3500-113	SHAMROCK EAST
3500-124	SHAMROCK WEST	3093-343	SHANKLEVILLE	3097-442	SHARP	3100-431	SHAWVILLE
3396-334	SHAY	2994-333	SHEEKS	3104-223	SHEEP PEAK	3099-423	SHEEP RUN CREEK
3001-324	SHEFFIELD	3001-323	SHEFFIELD NW	3001-321	SHEFFIELD SE	3194-441	SHELBYVILLE
3197-231	SHELL MOUNTAINS	3200-114	SHEP	3095-244	SHEPHARD HILL	3002-431	SHERBINO MESA
3002-442	SHERBINO RANCH	2996-243	SHERIDAN	2996-244	SHERIDAN NE	2996-241	SHERIDAN SE
3396-314	SHERMAN	3396-313	SHERMAN NW	2994-343	SHILOH	3205-121	SHILOH HILLS SE
2997-143	SHINER	3098-141	SHINGLE HILLS	3400-444	SHINNERY CREEK	2799-411	SHIPP RANCH
3198-412	SHIVE	3395-433	SHOALS	3093-243	SHOATS CREEK	2901-432	SHUMLA
3399-112	SIBLEY CREEK	3198-343	SIDNEY	3105-124	SIERRA BLANCA	3105-122	SIERRA BLANCA SW
3002-322	SIERRA MADERA	3002-324	SIERRA MADERA NE	3002-323	SIERRA MADERA NW	3002-321	SIERRA MADERA SE
2904-344	SIERRA PARDA	3097-223	SIGNAL HILL	3502-232	SIGNAL SPRING	3502-231	SIGNAL SPRING SE
3094-142	SILSBEE	3200-212	SILVER	3105-214	SILVER KING CANYON	2900-421	SILVER LAKE
3401-134	SILVERTON	3401-132	SILVERTON SW	3094-223	SIMMONS BOTTOM	3502-212	SIMMS
3502-214	SIMMS NE	3502-213	SIMMS NW	3003-121	SIMPSON SPRINGS MOUNTAIN	3095-323	SINGLETON
2897-122	SINTON EAST	2897-211	SINTON WEST	3298-221	SIPE SPRINGS	2998-343	SISTERDALE

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QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3104-324	SIX BAR RANCH	3001-243	SIXSHOOTER CANYON	3105-344	SIXTEEN MOUNTAINS	3301-221	SKEEN LAKE
3501-412	SKELLYTOWN	3501-414	SKELLYTOWN NE	3501-413	SKELLYTOWN NW	2897-242	SKIDMORE
2897-244	SKIDMORE NE	3600-142	SKUNK CREEK	3002-432	SKYSCRAPER PEAK	3101-312	SLAGER LAKE
3395-432	SLATE SHOALS	3301-243	SLATON	3301-244	SLATON NE	3301-233	SLIDE
3397-132	SLIDELL	3195-423	SLOCUM	3398-432	SLOOP CREEK	3105-241	SMALL
3106-341	SMELTERTOWN	2997-242	SMILEY	3004-144	SMITH HILLS	2994-321	SMITH POINT
3301-144	SMITH TANK	3400-412	SMITHDALE	2995-243	SMITHERS LAKE	3294-442	SMITHLAND
3197-431	SMITHS BEND	2998-431	SMITHSON VALLEY	3097-112	SMITHVILLE	3097-113	SMITHVILLE NW
3098-412	SMITHWICK	2903-122	SMOKY CREEK	3299-314	SMOKY DRAW	3002-414	SMOKY MOUNTAIN RANCH
3098-332	SMOOTHINGIRON MOUNTAIN	3302-412	SMYER	3397-243	SMYRNA	2899-423	SNAKE CREEK
3105-141	SNEED MOUNTAIN	3105-144	SNEED MOUNTAIN NE	3096-133	SNOOK	3200-323	SNYDER
3299-421	SNYDER LAKE	3399-423	SOAP CREEK	3094-324	SODA	3103-422	SODA LAKE
3103-424	SODA LAKE NE	3103-423	SODA LAKE NW	3103-421	SODA LAKE SE	3004-321	SOLDIER SPRING
2903-111	SOLIS	2903-134	SOMBRERO PEAK	2998-213	SOMERSET	3096-241	SOMERVILLE
3000-312	SONORA	3000-314	SONORA NE	3000-313	SONORA NW	3000-311	SONORA SE
2903-442	SOSA PEAK	3103-222	SOTOL HILL	3094-123	SOUR LAKE	3600-221	SOURDOUGH CREEK
3600-224	SOURDOUGH CREEK NE	3600-223	SOURDOUGH CREEK NW	3600-222	SOURDOUGH CREEK SW	3398-212	SOUTH BEND
2797-133	SOUTH BIRD ISLAND NW	2797-131	SOUTH BIRD ISLAND SE	3102-424	SOUTH COWDEN RANCH	2697-424	SOUTH OF POTRERO LOPENO NE
2697-423	SOUTH OF POTRERO LOPENO NW	2697-421	SOUTH OF POTRERO LOPENO SE	2799-324	SOUTH OF SAN PEDRO HILL	2994-412	SOUTH OF STAR LAKE
3300-133	SOUTHERLAND CANYON	3301-241	SOUTHLAND	2597-432	SOUTHMOST	2998-132	SOUTHTON
3302-443	SPADE	3200-223	SPADE RANCH	3397-344	SPANISH FORT	3201-321	SPARENBERG
2996-242	SPEAKS	3601-113	SPEARMAN	3601-114	SPEARMAN NE	3601-111	SPEARMAN SE
3199-421	SPECK MOUNTAIN	3197-421	SPEEGLEVILLE	3501-324	SPENCER DRAW	3500-211	SPENCER LAKE
3098-143	SPICEWOOD	3095-113	SPLENDORA	2900-123	SPOFFORD	2799-344	SPOHN RANCH
3099-331	SPOON DRAW	3101-334	SPRABERRY	3095-122	SPRING	2998-433	SPRING BRANCH
3500-133	SPRING CREEK	3502-324	SPRING CREEK RANCH	3197-333	SPRING CREEK GAP	3196-114	SPRING SEAT
3402-124	SPRINGLAKE	3297-343	SPRINGTOWN	3297-341	SPRINGTOWN SE	3300-234	SPUR
3300-233	SPUR NW	3300-232	SPUR SW	3094-413	SPURGER	3601-223	SPURLOCK CHAPEL
3099-443	SPY ROCK	3104-242	SQUARE MESA	3102-114	SQUARE TOP MOUNTAIN	2896-223	ST. CHARLES BAY
2896-221	ST. CHARLES BAY SE	2896-222	ST. CHARLES BAY SW	3095-431	STALEY	3502-441	STALLWITZ LAKE
3502-444	STALLWITZ LAKE NE	3299-334	STAMFORD	2900-241	STANDART	3195-243	STANMIRE LAKE

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2994-423	STANOLIND RESERVOIR	3201-224	STANTON	3201-221	STANTON SE	3198-134	STAR
2994-413	STAR LAKE	3198-334	STAR MOUNTAIN	3099-322	STARK CREEK	3093-242	STARKS
3295-144	STARRVILLE	3001-124	STEEL STAR DRAW	3000-133	STEEN LAKE	3095-331	STEEP BRANCH
3402-222	STEGALL	3095-413	STEPHEN CREEK	3101-333	STEPHENSON LAKE	3298-113	STEPHENVILLE
3401-123	STERLEY	3100-332	STERLING CITY	3100-333	STERLING CITY NW	3601-233	STEVENS
3601-231	STEVENS SE	3601-232	STEVENS SW	3196-442	STEWARDS MILL	3000-131	STEWART RANCH
3101-244	STILES	3101-243	STILES NW	2901-433	STILL CANYON	2902-234	STILLWELL CROSSING
2902-323	STILLWELL MOUNTAIN	3501-432	STINNETT	3501-434	STINNETT STATION	3299-322	STITH
3295-232	STOCKARD	2997-223	STOCKDALE	3397-323	STONEBURG	3095-232	STONEHAM
3098-213	STONEWALL	2994-432	STOWELL	2903-342	STRADDLEBUG MOUNTAIN	3602-141	STRATFORD
3602-144	STRATFORD NE	3106-342	STRAUSS	3298-422	STRAWN EAST	3298-311	STRAWN WEST
3196-434	STREETMAN	3294-143	STRICKLIN SPRINGS	3097-134	STRUCTURE	3296-131	STYX
2996-234	SUBLIME	3402-211	SUDAN	3093-234	SUDDUTH BLUFF	2902-233	SUE PEAKS
2899-314	SUGAR CREEK	2995-312	SUGAR LAND	3197-342	SUGARLOAF MOUNTAIN	3101-111	SUGGS
2698-241	SULLIVAN CITY	3395-132	SULPHUR BLUFF	3395-214	SULPHUR SPRINGS	3395-211	SULPHUR SPRINGS SE
3402-314	SUMMERFIELD	3302-133	SUNDOWN	3302-131	SUNDOWN SE	2996-444	SUNNY SIDE
3601-221	SUNRAY	3397-234	SUNSET	3498-221	SUNSHINE HILL	3100-124	SUSAN PEAK
3003-324	SWAYBACK MOUNTAIN	3400-113	SWEARINGEN	3199-123	SWEDEN, WEST	2995-212	SWEENEY
2997-141	SWEET HOME	3200-133	SWEETWATER	3300-124	SWENSON	2996-332	SWISS ALP
2999-233	SYCAMORE MOUNTAIN	3001-112	SYCAMORE CANYON	3502-334	SYNDICATE HILLS	3300-223	T O CREEK
3105-322	T P WELL	3102-111	TABLE TOP MOUNTAIN	3398-221	TACKETT MOUNTAIN	2698-434	TACUBAYA
2797-433	TAFT	3301-224	TAHOKA	3301-222	TAHOKA SW	3395-141	TALCO
3199-342	TALPA	3402-311	TAM ANNE	3095-123	TAMINA	3400-234	TAMPICO SIDING
3096-233	TANGLEWOOD	3100-242	TANKERSLEY	3094-232	TARKINGTON PRAIRIE	2999-424	TARPLEY
2999-413	TARPLEY PASS	3401-441	TATE ARROYO	3294-241	TATUM	3296-444	TAWAKONI, WEST
3097-422	TAYLOR	3498-124	TAYLOR	2902-442	TAYLOR CANYON	3500-231	TAYLOR RANCH
3499-221	TEACUP MOUNTAIN	3196-424	TEAGUE NORTH	3196-421	TEAGUE SOUTH	3295-112	TECULA
3400-211	TEE PEE CITY	3196-314	TEHUACANA	3099-232	TELEGRAPH	3396-441	TELEPHONE
2901-444	TELEPHONE CANYON	2899-211	TELEPHONE TANKS	3400-133	TELL NORTH	3400-132	TELL SOUTH
3197-121	TEMPLE	3201-322	TEN MILE	3194-443	TENAHA EAST	3194-434	TENAHA WEST
3195-331	TENNESSEE COLONY	3100-424	TENNYSON	3105-313	TEPEE BUTTE	3105-312	TEPEE BUTTE SW

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2900-211	TEQUESQUITE SPRING	2900-212	TEQUESQUITE CREEK SW	2903-241	TERLINGUA	3397-333	TERRAL
3296-431	TERRELL NORTH	3296-424	TERRELL SOUTH	2998-241	TERRELL WELLS	3093-222	TERRY
2997-114	TERRYVILLE	3002-222	TESNUS	3002-224	TESNUS NE	3002-221	TESNUS SE
2900-214	TESQUESQUITE CREEK NE	3394-144	TEXARKANA	2994-233	TEXAS CITY	2999-421	TEXAS MOUNTAIN
2993-324	TEXAS POINT	3601-234	TEXHOMA SOUTH	3093-223	TEXLA	3603-144	TEXLINE NORTH
3603-141	TEXLINE SOUTH	3101-213	TEXON	3101-211	TEXON SE	3397-442	THACKERVILLE
3399-344	THALIA	2903-131	THE BASIN	3099-134	THE FALLS	2994-242	THE JETTIES
3501-221	THE PALISADES	2903-234	THE SOLITARIO	2898-232	THE WHITE KITCHEN	2998-214	THELMA
3295-441	THOMAS	3501-212	THOMAS RANCH	2997-233	THOMAS SPRINGS	2995-244	THOMPSONS
2798-223	THOMPSONVILLE	3498-122	THORNBERRY	3097-412	THORNDALE	3196-244	THORNTON
3094-214	THORSON GULLY	3097-421	THRALL	3101-424	THREE BLUFF DRAW NE	3101-422	THREE BLUFF DRAW SW
3101-423	THREE BLUFF DRAW NW	3101-421	THREE BLUFF DRAW	2697-131	THREE ISLANDS	3103-323	THREE MILE DRAW
2898-443	THREE OAKS	2898-143	THREE RIVERS	3302-333	THREE WAY SCHOOL	3199-442	THRIFTY
3399-113	THROCKMORTON	3399-114	THROCKMORTON NE	3200-344	TIGE CANYON	3395-324	TIGERTOWN
2898-244	TILDEN	2999-411	TIMBER CREEK	3194-433	TIMPSON	3297-321	TIN TOP
3003-223	TINAJA	3003-224	TINAJA NE	2799-421	TIOS CREEK	3395-241	TIRA
2896-233	TIVOLI	2896-231	TIVOLI SE	2896-232	TIVOLI SW	3099-244	TOBE BRANCH
3395-313	TOCO	3195-433	TODD CITY	2997-443	TOGO	3302-214	TOKIO
3302-213	TOKIO NW	3302-211	TOKIO SE	3297-233	TOLAR	3499-123	TOLBERT
3394-314	TOM	3095-211	TOMBALL	3002-241	TOMS CANYON	3399-124	TONK CREEK
3296-142	TOOL	2899-222	TORDILLO CREEK	3106-144	TORNILLO	3193-241	TORO
3502-422	TORREY HOUSE	3502-133	TORREY PEAK	3500-311	TOTTY SCHOOL	2800-142	TOVAR CREEK EAST
2800-131	TOVAR CREEK WEST	3602-242	TOVREA RANCH	3098-433	TOW	3094-442	TOWN BLUFF
3103-231	TOYAH	3103-132	TOYAH LAKE	3103-233	TOYAH NW	3103-232	TOYAH SW
3003-334	TOYAHVALE	3098-411	TRAVIS PEAK	3194-342	TRAWICK	3294-441	TREES
3396-134	TRENTON	3194-222	TREVAT	3400-111	TRIANGLE RANCH	3199-412	TRICKHAM
3095-434	TRINITY EAST	3095-433	TRINITY WEST	2999-244	TRIO	2800-434	TROSADO TANK
3500-212	TROUBLESOME CREEK	3295-114	TROUP EAST	3295-113	TROUP WEST	3093-321	TROUT CREEK
3197-124	TROY	3299-323	TRUBY	3398-242	TRUE	3502-233	TRUJILLO CAMP
3399-331	TRUSCOTT NORTH	3399-324	TRUSCOTT SOUTH	3102-244	TUBBS CORNER	3003-434	TUCKER HILL
3401-312	TULE LAKE	3401-313	TULE LAKE NW	2903-132	TULE MOUNTAIN	2897-321	TULETA

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
3401-321	TULIA	3401-323	TULIA NW	2897-324	TULSITA	3096-311	TUNIS
2797-221	TURCOTTE	3400-233	TURKEY	3298-134	TURKEY CREEK	2998-332	TURKEY KNOB
2900-142	TURKEY MOUNTAIN	3196-414	TURLINGTON	3102-343	TURNBAUGH CORNER	3197-312	TURNERSVILLE
3000-214	TURNEY DRAW NE	3000-213	TURNEY DRAW NW	3000-211	TURNEY DRAW SE	2896-424	TURTLE BAY
3099-424	TURTLE CREEK	3400-213	TURTLE HOLE CAMP	3299-224	TUSCOLA	3299-333	TUXEDO
3001-334	TWELVEMILE CAMP	3002-332	TWELVEMILE MESA	3100-244	TWIN BUTTES	3600-132	TWIN GROVE
2999-412	TWIN HOLLOW	3402-324	TWIN LAKES	2897-141	TWIN MOTT LAKE	3197-223	TWIN MOUNTAINS
2903-421	TWIN PEAKS	3500-142	TWITTY	3302-231	TWO B RANCH	3302-233	TWO B RANCH NW
3302-232	TWO B RANCH SW	3104-412	TWO MILL DRAW EAST	3104-421	TWO MILL DRAW WEST	3301-141	TWOMILE CREEK
2900-432	TWOMILE DRAW	3295-134	TYLER NORTH	3295-131	TYLER SOUTH	2897-224	TYNAN
2997-334	UHLAND	3402-444	UMBARGER	2994-324	UMBRELLA POINT	3301-334	UNDERWOOD
3298-223	UNION CENTER	3196-341	UNION HIGH	3302-112	UNION SCHOOL	3193-331	UNION SPRINGS
3193-334	UNION SPRINGS	3302-334	UPPER WHITE LAKE	3097-123	UTLEY	2999-311	UTOPIA
2999-224	UVALDE	2904-342	VADO DE PIEDRA	3004-422	VALENTINE EAST	3004-311	VALENTINE WEST
3199-341	VALERA	3197-423	VALLEY MILLS	3098-331	VALLEY SPRING	3397-143	VALLEY VIEW
2899-244	VALLEY WELLS	3295-312	VAN	3396-244	VAN ALSTYNE	3104-221	VAN HORN
3004-334	VAN HORN WELLS	3295-311	VAN LAKE	2998-313	VAN RAUB	2995-222	VAN VLECK
2900-441	VANCE	3100-142	VANCOURT	2999-314	VANDERPOOL	3398-411	VASHTI
3502-234	VAT CAMP	3194-113	VEACH	3201-311	VEALMOOR	3502-132	VEGA NORTH
3502-123	VEGA SOUTH	2899-213	VELENZUELA CREEK	2799-443	VENADO CREEK EAST	2799-434	VENADO CREEK WEST
3297-144	VENUS	3399-314	VERA	3301-142	VERBENA	3103-214	VERHALEN NORTH
3103-211	VERHALEN SOUTH	2997-112	VERHELLE	3100-134	VERIBEST	3499-124	VERNON
3103-444	VESRUE	2698-324	VIBORAS	3100-141	VICK	2896-332	VICTORIA EAST
2897-441	VICTORIA WEST	3104-231	VICTORIO PEAK	2897-143	VIDAURRI	3004-312	VIEJA PASS
3299-232	VIEW	3401-423	VIGO PARK	3094-133	VILLAGE MILLS	3201-143	VINCENT
2994-232	VIRGINIA POINT	3499-222	VIVIAN	3199-112	VOCA	3199-311	VOSS
3094-243	VOTAW	3094-113	VOTH	3103-322	W T RANCH	3197-411	WACO EAST
3197-412	WACO WEST	2895-332	WADSWORTH	2997-424	WAELDER	3601-141	WAKA
3601-142	WAKA SW	3301-441	WAKE	3194-221	WAKEFIELD	3402-334	WALCOTT
3100-131	WALL	3100-233	WALLACE DRAW	3095-222	WALLER	3095-223	WALLER NW
2996-414	WALLIS	3297-212	WALNUT SPRINGS EAST	3297-221	WALNUT SPRINGS WEST	3096-222	WARDA

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2998-334	WARING	3094-422	WARREN	2995-334	WARREN LAKE	3499-211	WARRIOR HOLLOW
3501-214	WASHBURN	3500-341	WASHBURN ARROYO	3096-142	WASHINGTON	3294-144	WASKOM
3401-224	WASSON	3100-313	WATER VALLEY	3104-213	WATSON RANCH	3498-114	WAURIKA WEST
3296-234	WAXAHACHIE	3298-321	WAYLAND	3401-341	WAYSIDE	3297-331	WEATHERFORD NORTH
3297-324	WEATHERFORD SOUTH	3097-214	WEBBERVILLE	3299-121	WEBBVILLE	3195-412	WECHES
3193-221	WEEKS SETTLEMENT	2897-432	WEESATCHE	2996-324	WEIMAR	3399-242	WEINERT
3097-314	WEIR	3202-444	WELCH EAST	3202-442	WELCH SW	3202-443	WELCH WEST
3096-122	WELCOME	3195-211	WELDON	2999-344	WELL HOLLOW	3096-421	WELLBORN
3400-442	WELLINGTON	3400-443	WELLINGTON NW	3302-122	WELLMAN	3194-233	WELLS
3602-221	WELLS RANCH	3194-232	WELLS SW	3401-342	WESLEY POINT	3197-441	WEST
2995-213	WEST COLUMBIA	3602-131	WEST OF BRICKEL	3401-112	WEST OF DICK MOORE CANYON	3601-241	WEST OF GRUVER
3602-134	WEST OF KERRICK	2997-444	WEST POINT	2899-432	WEST RANCH	2897-212	WEST SINTON
3201-141	WESTBROOK	3095-144	WESTCOTT	2997-123	WESTHOFF	3396-242	WESTON
3399-144	WESTOVER	3399-141	WESTOVER SE	3399-142	WESTOVER SW	3197-111	WESTPHALIA
3402-341	WESTWAY	3402-344	WESTWAY NE	3402-343	WESTWAY NW	3202-231	WHALEN LAKE
2996-141	WHARTON	3602-224	WHARTON RANCH	3500-134	WHEELER	3102-332	WHEELER RANCH
3500-131	WHEELER SE	3096-433	WHELOCK	2903-344	WHIRLWIND SPRING	3300-231	WHITE CAMP
3200-433	WHITE CANYON	3501-143	WHITE DEER	3501-142	WHITE DEER SW	3000-222	WHITE DRAW
3000-224	WHITE DRAW NE	3000-223	WHITE DRAW NW	2903-422	WHITE HILLS	3499-143	WHITE LAKE
3294-321	WHITE OAK	3296-342	WHITE ROCK LAKE	3502-332	WHITEAKER RANCH	3302-311	WHITEFACE
3302-313	WHITEFACE NW	3302-312	WHITEFACE SW	3400-222	WHITEFLAT	3401-131	WHITELEY
3394-323	WHITEROCK	3105-321	WHITEROCK HILLS	2994-344	WHITES BAYOU	2994-424	WHITES RANCH
3396-323	WHITESBORO	3396-422	WHITEWRIGHT	3302-424	WHITHARRAL	3197-434	WHITNEY
2898-424	WHITSETT	3298-444	WHITT	3098-212	WHITWORTH RANCH	3199-134	WHON
3398-344	WICHITA FALLS WEST	3398-433	WICHITA FALLS EAST	2997-144	WIED	3193-212	WIERGATE
3193-211	WIERGATE SE	3602-121	WILCO	3602-124	WILCO NE	3104-212	WILD HORSE
3001-144	WILD HORSE CANYON	3105-324	WILDHORSE DRAW	3502-113	WILDORADO	3502-112	WILDORADO SW
2900-423	WILEY WATERHOLE	3195-343	WILKERSON MOUNTAIN	3394-232	WILKINSON	2697-244	WILLAMAR
2697-242	WILLAMAR SW	3499-233	WILLIAMS	3095-133	WILLIS	3401-414	WILLOW ARROYO
2898-421	WILLOW HOLLOW TANK	3098-243	WILLOW CITY	3600-113	WILLOW CREEK	3296-414	WILLS POINT
3100-444	WILMETH	3301-242	WILSON	3401-113	WILSON CREEK	2999-112	WILSON RANCH

GWCODE 14 - TOPOGRAPHIC QUADRANGLES (SORTED BY QUAD NAME)

QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME	QUAD NUM	QUAD NAME
2998-444	WIMBERLEY	3097-111	WINCHESTER	3398-422	WINDTHORST	3602-222	WINDY HILL
3602-223	WINDY HILL NW	3395-114	WINFIELD	3200-111	WINGATE	3103-442	WINK NORTH
3103-413	WINK SOUTH	3196-443	WINKLER	2994-433	WINNIE NW	3295-434	WINNSBORO
3295-143	WINONA	3199-333	WINTERS	3101-124	WITCO	3397-223	WIZARD WELLS
3194-311	WODEN	3202-144	WOLCOTT RANCH	3003-141	WOLF CAMP HILLS	3194-211	WOLF HILL
3502-141	WOLF MOUNTAIN	3198-214	WOLF RIDGE	3396-141	WOLFE CITY	3302-411	WOLFFORTH
3302-414	WOLFFORTH NE	3302-413	WOLFFORTH NW	2899-313	WOODARD LAKE	3397-411	WOODBINE
3395-431	WOODLAND	3294-424	WOODLAWN	3301-234	WOODROW	2897-124	WOODSBORO
3399-111	WOODSON	3094-432	WOODVILLE	2899-421	WOODWARD	2899-424	WOODWARD NE
3103-241	WORSHAM	3196-432	WORTHAM	3394-142	WRIGHT PATMAN LAKE	3396-211	WYLIE
3095-344	WYSER BOTTOM	2903-431	Y E MESA	3099-213	Y O RANCH	3300-444	Y RANCH
2999-113	YANCEY	3295-344	YANTIS	2797-123	YARBOROUGH PASS	3195-332	YARD
3097-444	YARRELTON	3099-311	YATES	3098-124	YEAGER CREEK	2903-243	YELLOW HILL
2902-332	YELLOW HOUSE PEAK	2997-142	YOAKUM	2897-433	YORKTOWN EAST	2897-344	YORKTOWN WEST
3196-441	YOUNG	3500-423	YOUNG RANCH	3097-343	YOUNGSPORT	3106-424	YSLETA
3106-423	YSLETA NW	3202-222	YT RANCH	2697-321	YTURRIA	3396-442	YUBA
2699-434	ZAPATA	2699-433	ZAPATA NW	2699-431	ZAPATA SE	3194-123	ZAVALLA
2898-321	ZELLA	3198-324	ZEPHYR	2901-421	ZUBERBUELER BEND	2901-423	ZUBERBUELER BEND NW

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY CODE NUMBER)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
11100101	Upper Beaver	NM, OK, TX	11100102	Middle Beaver	Kansas, Oklahoma
11100103	Coldwater	Oklahoma, Texas	11100104	Palo Duro	Oklahoma, Texas
11100201	Lower Beaver	Oklahoma, Texas	11100202	Upper Wolf	Texas
11100203	Lower Wolf	Oklahoma, Texas	11100301	Middle North Canadian	Oklahoma
11100302	Lower North Canadian	Oklahoma	11100303	Deep Fork	Oklahoma
11110101	Polecat - Snake	Oklahoma	11110102	Dirty - Greenleaf	Oklahoma
11110103	Illinois	Arkansas, Oklahoma	11110104	Robert S. Kerr Res.	Arkansas, Oklahoma
11110105	Poteau	Arkansas, Oklahoma	11110201	Frog - Mulberry	Arkansas
11110202	Dardanelle Reservoir	Arkansas	11110203	Lake Conway - Point Remove	Arkansas
11110204	Petit Jean	Arkansas	11110205	Cadron	Arkansas
11110206	Fourche la Fave	Arkansas	11110207	Lower Arkansas - Maumelle	Arkansas
11120101	Tierra Blanca	New Mexico, Texas	11120102	Palo Duro	New Mexico, Texas
11120103	Upper Prairie Dog Town Fork Red	Texas	11120104	Tule	Texas
11120105	Lower Prairie Dog Town Fork Red	Oklahoma, Texas	11120201	Upper Salt Fork Red	Texas
11120202	Lower Salt Fork Red	Oklahoma, Texas	11120301	Upper North Fork Red	Texas
11120302	Middle North Fork Red	Oklahoma, Texas	11120303	Lower North Fork Red	Oklahoma
11120304	Elm Fork Red	Oklahoma, Texas	11130101	Groesbeck - Sandy	Oklahoma, Texas
11130102	Blue - China	Oklahoma, Texas	11130103	North Pease	Texas
11130104	Middle Pease	Texas	11130105	Pease	Texas
11130201	Farmers - Mud	Oklahoma, Texas	11130202	Cache	Oklahoma
11130203	West Cache	Oklahoma	11130204	North Wichita	Texas
11130205	South Wichita	Texas	11130206	Wichita	Texas
11130207	Southern Beaver	Texas	11130208	Northern Beaver	Oklahoma
11130209	Little Wichita	Texas	11130210	Lake Texoma	Oklahoma, Texas
11130301	Washita Headwaters	Oklahoma, Texas	11130302	Upper Washita	Oklahoma
11130303	Middle Washita	Oklahoma	11130304	Lower Washita	Oklahoma
11140101	Bois d'Arc - Island	Oklahoma, Texas	11140102	Blue	Oklahoma
11140103	Muddy Boggy	Oklahoma	11140104	Clear Boggy	Oklahoma
11140105	Kiamichi	Arkansas, Oklahoma	11140106	Pecan - Waterhole	Arkansas, Oklahoma, Texas
11140107	Upper Little	Oklahoma	11140108	Mountain Fork	Arkansas, Oklahoma
11140109	Lower Little	Arkansas, Oklahoma	11140201	McKinney-Posten Bayous	Arkansas, Louisiana, Texas
11140202	Middle Red - Coushatta	Louisiana	11140203	Loggy Bayou	Arkansas, Louisiana
11140204	Red Chute	Louisiana	11140205	Bodcau Bayou	Arkansas, Louisiana
11140206	Bayou Pierre	Louisiana	11140207	Lower Red - Lake Iatt	Louisiana
11140208	Saline Bayou	Louisiana	11140209	Black Lake Bayou	Louisiana
11140301	Sulphur Headwaters	Texas	11140302	Lower Sulphur	Arkansas, Texas

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY CODE NUMBER)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
11140303	White Oak Bayou	Texas	11140304	Cross Bayou	Arkansas, Louisiana, Texas
11140305	Lake O' the Pines	Texas	11140306	Caddo Lake	Louisiana, Texas
11140307	Little Cypress	Texas	12010001	Upper Sabine	Texas
12010002	Middle Sabine	Louisiana, Texas	12010003	Lake Fork	Texas
12010004	Toledo Bend Reservoir	Louisiana, Texas	12010005	Lower Sabine	Louisiana, Texas
12020001	Upper Neches	Texas	12020002	Middle Neches	Texas
12020003	Lower Neches	Texas	12020004	Upper Angelina	Texas
12020005	Lower Angelina	Texas	12020006	Village	Texas
12020007	Pine Island Bayou	Texas	12030101	Upper West Fork Trinity	Texas
12030102	Lower West Fork Trinity	Texas	12030103	Elm Fork Trinity	Texas
12030104	Denton	Texas	12030105	Upper Trinity	Texas
12030106	East Fork Trinity	Texas	12030107	Cedar	Texas
12030108	Richland	Texas	12030109	Chambers	Texas
12030201	Lower Trinity - Tehuacana	Texas	12030202	Lower Trinity - Kickapoo	Texas
12030203	Lower Trinity	Texas	12040101	West Fork San Jacinto	Texas
12040102	Spring	Texas	12040103	East Fork San Jacinto	Texas
12040104	Buffalo - San Jacinto	Texas	12040201	Sabine Lake	Louisiana, Texas
12040202	East Galveston Bay	Texas	12040203	North Galveston Bay	Texas
12040204	West Galveston Bay	Texas	12040205	Austin - Oyster	Texas
12050001	Yellowhouse Draw	New Mexico, Texas	12050002	Blackwater Draw	New Mexico, Texas
12050003	North Fork Double Mountain Fork Brazos	Texas	12050004	Double Mountain Fork Brazos	Texas
12050005	Running Water Draw	New Mexico, Texas	12050006	White	Texas
12050007	Salt Fork Brazos	Texas	12060101	Middle Brazos - Millers	Texas
12060102	Upper Clear Fork Brazos	Texas	12060103	Paint	Texas
12060104	Lower Clear Fork Brazos	Texas	12060105	Hubbard	Texas
12060201	Middle Brazos - Palo Pinto	Texas	12060202	Middle Brazos - Lake Whitney	Texas
12060203	Bosque	Texas	12060204	North Bosque	Texas
12070101	Lower Brazos - Little Brazos	Texas	12070102	Yegua	Texas
12070103	Navasota	Texas	12070104	Lower Brazos	Texas
12070201	Leon	Texas	12070202	Cowhouse	Texas
12070203	Lampasas	Texas	12070204	Little	Texas
12070205	San Gabriel	Texas	12080001	Lost Draw	New Mexico, Texas
12080002	Colorado Headwaters	Texas	12080003	Monument - Seminole Draws	New Mexico, Texas
12080004	Mustang Draw	New Mexico, Texas	12080005	Johnson Draw	Texas
12080006	Sulphur Springs Draw	New Mexico, Texas	12080007	Beals	Texas
12080008	Upper Colorado	Texas	12090101	Middle Colorado - Elm	Texas

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY CODE NUMBER)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
12090102	South Concho	Texas	12090103	Middle Concho	Texas
12090104	North Concho	Texas	12090105	Concho	Texas
12090106	Middle Colorado	Texas	12090107	Pecan Bayou	Texas
12090108	Jim Ned	Texas	12090109	San Saba	Texas
12090110	Brady	Texas	12090201	Buchanan - Lyndon B. Johnson Lakes	Texas
12090202	North Llano	Texas	12090203	South Llano	Texas
12090204	Llano	Texas	12090205	Austin - Travis Lakes	Texas
12090206	Pedernales	Texas	12090301	Lower Colorado - Cummins	Texas
12090302	Lower Colorado	Texas	12090401	San Bernard	Texas
12090402	East Matagorda Bay	Texas	12100101	Lavaca	Texas
12100102	Navidad	Texas	12100201	Upper Guadalupe	Texas
12100202	Middle Guadalupe	Texas	12100203	San Marcos	Texas
12100204	Lower Guadalupe	Texas	12100301	Upper San Antonio	Texas
12100302	Medina	Texas	12100303	Lower San Antonio	Texas
12100304	Cibolo	Texas	12100401	Central Matagorda Bay	Texas
12100402	West Matagorda Bay	Texas	12100403	East San Antonio Bay	Texas
12100404	West San Antonio Bay	Texas	12100405	Aransas Bay	Texas
12100406	Mission	Texas	12100407	Aransas	Texas
12110101	Nueces Headwaters	Texas	12110102	West Nueces	Texas
12110103	Upper Nueces	Texas	12110104	Turkey	Texas
12110105	Middle Nueces	Texas	12110106	Upper Frio	Texas
12110107	Hondo	Texas	12110108	Lower Frio	Texas
12110109	San Miguel	Texas	12110110	Atascosa	Texas
12110111	Lower Nueces	Texas	12110201	North Corpus Christi Bay	Texas
12110202	South Corpus Christi Bay	Texas	12110203	North Laguna Madre	Texas
12110204	San Fernando	Texas	12110205	Baffin Bay	Texas
12110206	Palo Blanco	Texas	12110207	Central Laguna Madre	Texas
12110208	South Laguna Madre	Texas	13010001	Rio Grande Headwaters	Colorado
13010002	Alamosa - Trinchera	Colorado, New Mexico	13010003	San Luis	Colorado
13010004	Saguache	Colorado	13010005	Conejos	Colorado, New Mexico
13020101	Upper Rio Grande	Colorado, New Mexico	13020102	Rio Chama	Colorado, New Mexico
13020201	Rio Grande - Santa Fe	New Mexico	13020202	Jemez	New Mexico
13020203	Rio Grande - Albuquerque	New Mexico	13020204	Rio Puerco	New Mexico
13020205	Arroyo Chico	New Mexico	13020206	North Plains	New Mexico
13020207	Rio San Jose	New Mexico	13020208	Plains of San Agustin	New Mexico
13020209	Rio Salado	New Mexico	13020210	Jornada del Muerto	New Mexico

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY CODE NUMBER)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
13020211	Elephant Butte Reservoir	New Mexico	13030101	Caballo	New Mexico
13030102	El Paso - Las Cruces	New Mexico, Texas	13030103	Jornada Draw	New Mexico
13030201	Playas Lake	New Mexico	13030202	Mimbres	New Mexico
13040100	Rio Grande - Fort Quitman	Texas	13040201	Cibolo - Red Light	Texas
13040202	Alamito	Texas	13040203	Black Hills - Fresno	Texas
13040204	Terlingua	Texas	13040205	Big Bend	Texas
13040206	Maravillas	Texas	13040207	Santiago Draw	Texas
13040208	Reagan - Sanderson	Texas	13040209	San Francisco	Texas
13040210	Lozier Canyon	Texas	13040211	Big Canyon	Texas
13040212	Amistad Reservoir	Texas	13040301	Upper Devils	Texas
13040302	Lower Devils	Texas	13040303	Dry Devils	Texas
13050001	Western Estancia	New Mexico	13050002	Eastern Estancia	New Mexico
13050003	Tularosa Valley	New Mexico, Texas	13050004	Salt Basin	New Mexico, Texas
13060001	Pecos Headwaters	New Mexico	13060002	Pintada Arroyo	New Mexico
13060003	Upper Pecos	New Mexico	13060004	Taiban	New Mexico
13060005	Arroyo del Macho	New Mexico	13060006	Gallo Arroyo	New Mexico
13060007	Upper Pecos - Long Arroyo	New Mexico	13060008	Rio Hondo	New Mexico
13060009	Rio Felix	New Mexico	13060010	Rio Penasco	New Mexico
13060011	Upper Pecos - Black	New Mexico, Texas	13070001	Lower Pecos - Red Bluff Reservoir	New Mexico, Texas
13070002	Delaware	New Mexico, Texas	13070003	Toyah	Texas
13070004	Salt Draw	Texas	13070005	Barrilla Draw	Texas
13070006	Coyanosa - Hackberry Draws	Texas	13070007	Landreth - Monument Draws	New Mexico, Texas
13070008	Lower Pecos	Texas	13070009	Tunas	Texas
13070010	Independence	Texas	13070011	Howard Draw	Texas
13080001	Elm - Sycamore	Texas	13080002	San Ambrosia - Santa Isabel	Texas
13080003	International Falcon Reservoir	Texas	13090001	Los Olmos	Texas
13090002	Lower Rio Grande	Texas			

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
13040202	Alamito	Texas	13010002	Alamosa - Trinchera	Colorado, New Mexico
13040212	Amistad Reservoir	Texas	12100407	Aransas	Texas
12100405	Aransas Bay	Texas	13020205	Arroyo Chico	New Mexico
13060005	Arroyo del Macho	New Mexico	12110110	Atascosa	Texas
12040205	Austin - Oyster	Texas	12090205	Austin - Travis Lakes	Texas
12110205	Baffin Bay	Texas	13070005	Barrilla Draw	Texas
11140206	Bayou Pierre	Louisiana	12080007	Beals	Texas
13040205	Big Bend	Texas	13040211	Big Canyon	Texas
13040203	Black Hills - Fresno	Texas	11140209	Black Lake Bayou	Louisiana
12050002	Blackwater Draw	New Mexico, Texas	11140102	Blue	Oklahoma
11130102	Blue - China	Oklahoma, Texas	11140205	Bodcau Bayou	Arkansas, Louisiana
11140101	Bois d'Arc - Island	Oklahoma, Texas	12060203	Bosque	Texas
12090110	Brady	Texas	12090201	Buchanan - Lyndon B. Johnson Lakes	Texas
12040104	Buffalo - San Jacinto	Texas	13030101	Caballo	New Mexico
11130202	Cache	Oklahoma	11140306	Caddo Lake	Louisiana, Texas
11110205	Cadron	Arkansas	12030107	Cedar	Texas
12110207	Central Laguna Madre	Texas	12100401	Central Matagorda Bay	Texas
12030109	Chambers	Texas	12100304	Cibolo	Texas
13040201	Cibolo - Red Light	Texas	11140104	Clear Boggy	Oklahoma
11100103	Coldwater	Oklahoma, Texas	12080002	Colorado Headwaters	Texas
12090105	Concho	Texas	13010005	Conejos	Colorado, New Mexico
12070202	Cowhouse	Texas	13070006	Coyanosa - Hackberry Draws	Texas
11140304	Cross Bayou	Arkansas, Louisiana, Texas	11110202	Dardanelle Reservoir	Arkansas
11100303	Deep Fork	Oklahoma	13070002	Delaware	New Mexico, Texas
12030104	Denton	Texas	11110102	Dirty - Greenleaf	Oklahoma
12050004	Brazos, Double Mountain Fork	Texas	13040303	Dry Devils	Texas
12040103	San Jacinto, East Fork	Texas	12030106	Trinity, East Fork	Texas
12040202	Galveston Bay, East	Texas	12090402	Matagorda Bay, East	Texas
12100403	San Antonio Bay, East	Texas	13050002	Estancia, Eastern	New Mexico
13030102	El Paso - Las Cruces	New Mexico, Texas	13020211	Elephant Butte Res.	New Mexico
11120304	Red, Elm Fork	Oklahoma, Texas	12030103	Trinity, Elm Fork	Texas
13080001	Elm - Sycamore	Texas	11130201	Farmers - Mud	Oklahoma, Texas
11110206	Fourche la Fave	Arkansas	11110201	Frog - Mulberry	Arkansas
13060006	Gallo Arroyo	New Mexico	11130101	Groesbeck - Sandy	Oklahoma, Texas
12110107	Hondo	Texas	13070011	Howard Draw	Texas

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
12060105	Hubbard	Texas	11110103	Illinois	Arkansas, Oklahoma
13070010	Independence	Texas	13080003	International Falcon Res	Texas
13020202	Jemez	New Mexico	12090108	Jim Ned	Texas
12080005	Johnson Draw	Texas	13020210	Jornada del Muerto	New Mexico
13030103	Jornada Draw	New Mexico	11140105	Kiamichi	Arkansas, Oklahoma
11110203	Lake Conway - Pt. Remove	Arkansas	12010003	Lake Fork	Texas
11140305	Lake O' the Pines	Texas	11130210	Lake Texoma	Oklahoma, Texas
12070203	Lampasas	Texas	13070007	Landreth - Monument Draws	New Mexico, Texas
12100101	Lavaca	Texas	12070201	Leon	Texas
12070204	Little	Texas	11140307	Little Cypress	Texas
11130209	Little Wichita	Texas	12090204	Llano	Texas
11140203	Loggy Bayou	Arkansas, Louisiana	13090001	Los Olmos	Texas
12080001	Lost Draw	New Mexico, Texas	12020005	Angelina, Lower	Texas
11110207	Arkansas, Lower - Maumelle	Arkansas	11100201	Beaver, Lower	Oklahoma, Texas
12070104	Brazos, Lower	Texas	12070101	Brazos, Lower - Little Brazos	Texas
12060104	Brazos, Lower Clear Fork	Texas	12090302	Colorado, Lower	Texas
12090301	Colorado, Lower - Cummins	Texas	13040302	Devils, Lower	Texas
12110108	Frio, Lower	Texas	12100204	Guadalupe, Lower	Texas
11140109	Little, Lower	Arkansas, Oklahoma	12020003	Neches, Lower	Texas
11100302	North Canadian, Lower	Oklahoma	11120303	Red, Lower North Fork	Oklahoma
12110111	Nueces, Lower	Texas	13070008	Pecos, Lower	Texas
13070001	Pecos, Lower - Red Bluff Reservoir	New Mexico, Texas	11120105	Red, Lower Prairie Dog Town Fork	Oklahoma, Texas
11140207	Red, Lower - Lake Iatt	Louisiana	13090002	Rio Grande, Lower	Texas
12010005	Sabine, Lower	Louisiana, Texas	11120202	Red, Lower Salt Fork	Oklahoma, Texas
12100303	San Antonio, Lower	Texas	11140302	Sulphur, Lower	Arkansas, Texas
12030203	Trinity, Lower	Texas	12030202	Trinity, Lower - Kickapoo	Texas
12030201	Trinity, Lower - Tehuacana	Texas	11130304	Washita, Lower	Oklahoma
12030102	Trinity, Lower W Fork	Texas	11100203	Wolf, Lower	Oklahoma, Texas
13040210	Lozier Canyon	Texas	13040206	Maravillas	Texas
11140201	McKinney -Posten Bayous	AR, LA, TX	12100302	Medina	Texas
11100102	Beaver, Middle	Kansas, Oklahoma	12060202	Brazos, Middle - Lake Whitney	Texas
12060101	Brazos, Middle - Millers	Texas	12060201	Brazos, Middle - Palo Pinto	Texas
12090106	Colorado, Middle	Texas	12090101	Colorado, Middle - Elm	Texas
12090103	Concho, Middle	Texas	12100202	Guadalupe, Middle	Texas
12020002	Neches, Middle	Texas	11100301	Canadian, Middle North	Oklahoma

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
11120302	Red, Middle North Fork	Oklahoma, Texas	12110105	Nueces, Middle	Texas
11130104	Pease, Middle	Texas	11140202	Red, Middle - Coushatta	Louisiana
12010002	Sabine, Middle	Louisiana, Texas	11130303	Washita, Middle	Oklahoma
13030202	Mimbres	New Mexico	12100406	Mission	Texas
12080003	Monument - Seminole Draws	New Mexico, Texas	11140108	Mountain Fork	Arkansas, Oklahoma
11140103	Muddy Boggy	Oklahoma	12080004	Mustang Draw	New Mexico, Texas
12070103	Navasota	Texas	12100102	Navidad	Texas
12060204	Bosque, North	Texas	12090104	Concho, North	Texas
12110201	Corpus Christi Bay, North	Texas	12050003	Brazos, North Fork Double Mountain Fork	Texas
12040203	Galveston Bay, North	Texas	12110203	Laguna, Madre North	Texas
12090202	Llano, North	Texas	11130103	Pease, North	Texas
13020206	Plains, North	New Mexico	11130204	Wichita, North	Texas
11130208	Beaver, Northern	Oklahoma	12110101	Nueces Headwaters	Texas
12060103	Paint	Texas	12110206	Palo Blanco	Texas
11100104	Palo Duro	Oklahoma, Texas	11120102	Palo Duro	New Mexico, Texas
11130105	Pease	Texas	12090107	Pecan Bayou	Texas
11140106	Pecan - Waterhole	Arkansas, Oklahoma, Texas	13060001	Pecos Headwaters	New Mexico
12090206	Pedernales	Texas	11110204	Petit Jean	Arkansas
12020007	Pine Island Bayou	Texas	13060002	Pintada Arroyo	New Mexico
13020208	Plains of San Agustin	New Mexico	13030201	Playas Lake	New Mexico
11110101	Polecat - Snake	Oklahoma	11110105	Poteau	Arkansas, Oklahoma
13040208	Reagan - Sanderson	Texas	11140204	Red Chute	Louisiana
12030108	Richland	Texas	13020102	Rio Chama	Colorado, New Mexico
13060009	Rio Felix	New Mexico	13020203	Rio Grande - Albuquerque	New Mexico
13040100	Rio Grande - Fort Quitman	Texas	13010001	Rio Grande Headwaters	Colorado
13020201	Rio Grande - Santa Fe	New Mexico	13060008	Rio Hondo	New Mexico
13060010	Rio Penasco	New Mexico	13020204	Rio Puerco	New Mexico
13020209	Rio Salado	New Mexico	13020207	Rio San Jose	New Mexico
11110104	Robert S. Kerr Reservoir	Arkansas, Oklahoma	12050005	Running Water Draw	New Mexico, Texas
12040201	Sabine Lake	Louisiana, Texas	13010004	Saguache	Colorado
11140208	Saline Bayou	Louisiana	13050004	Salt Basin	New Mexico, Texas
13070004	Salt Draw	Texas	12050007	Brazos, Salt Fork	Texas
13080002	San Ambrosia - Santa Isabel	Texas	12090401	San Bernard	Texas
12110204	San Fernando	Texas	13040209	San Francisco	Texas
12070205	San Gabriel	Texas	13010003	San Luis	Colorado

GWCODE 15 - HYDROLOGIC UNITS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	COMMENTS	CODE	DESCRIPTION	COMMENTS
12100203	San Marcos	Texas	12110109	San Miguel	Texas
12090109	San Saba	Texas	13040207	Santiago Draw	Texas
12090102	Concho, South	Texas	12110202	Corpus Christi Bay, South	Texas
12110208	Laguna Madre, South	Texas	12090203	Llano, South	Texas
11130205	Wichita, South	Texas	11130207	Beaver, Southern	Texas
12040102	Spring	Texas	11140301	Sulphur Headwaters	Texas
12080006	Sulphur Springs Draw	New Mexico, Texas	13060004	Taiban	New Mexico
13040204	Terlingua	Texas	11120101	Tierra Blanca	New Mexico, Texas
12010004	Toledo Bend Reservoir	Louisiana, Texas	13070003	Toyah	Texas
13050003	Tularosa Valley	New Mexico, Texas	11120104	Tule	Texas
13070009	Tunas	Texas	12110104	Turkey	Texas
12020004	Angelina, Upper	Texas	11100101	Beaver, Upper	New Mexico, Oklahoma, Texas
12060102	Brazos, Upper Clear Fork	Texas	12080008	Colorado, Upper	Texas
13040301	Devils, Upper	Texas	12110106	Frio, Upper	Texas
12100201	Guadalupe, Upper	Texas	11140107	Little, Upper	Oklahoma
12020001	Neches, Upper	Texas	11120301	Red, Upper North Fork	Texas
12110103	Nueces, Upper	Texas	13060003	Pecos, Upper	New Mexico
13060011	Pecos, Upper - Black	New Mexico, Texas	13060007	Pecos, Upper - Long Arroyo	New Mexico
11120103	Red, Upper Prairie Dog Town Fork	Texas	13020101	Rio Grande, Upper	Colorado, New Mexico
12010001	Sabine, Upper	Texas	11120201	Red, Upper Salt Fork	Texas
12100301	Upper San Antonio	Texas	12030105	Trinity, Upper	Texas
11130302	Washita, Upper	Oklahoma	12030101	Trinity, Upper West Fork	Texas
11100202	Wolf, Upper	Texas	12020006	Village	Texas
11130301	Washita Headwaters	Oklahoma, Texas	11130203	Cache, West	Oklahoma
12040101	San Jacinto, West Fork	Texas	12040204	Galveston Bay, West	Texas
12100402	Matagorda Bay, West	Texas	12110102	Nueces, West	Texas
12100404	San Antonio Bay, West	Texas	13050001	Estancia, Western	New Mexico
12050006	White	Texas	11140303	White Oak Bayou	Texas
11130206	Wichita	Texas	12070102	Yegua	Texas
12050001	Yellowhouse Draw	New Mexico, Texas			

GWCODE 16 - HYDROLOGIC UNIT METHODS

CODE	DESCRIPTION
1	Manual plotting on 1:500,000 USGS Hydrologic Unit Map-1974
2	Manual plotting on 1:250,000 USGS base maps
3	Digital determination with 1,500,000 USGS GIS layer
4	Digital determination with 1,250,000 USGS GIS layer
5	Digital determination with 1,100,000 USGS GIS layer
6	Other - specify in remarks

GWCODE 17 - WELL TYPES

CODE	DESCRIPTION	COMMENTS
A	Anode	Electrical anode serving as a ground for pipelines/tanks/relays
C	Standby emergency	Source used when principal supplier is unavailable
D	Drain	Drainage of surface water underground
E	Geothermal	Dry geothermal well or injection geothermal well
G	Seismic	Hole drilled and used primarily for seismic exploration
H	Heat reservoir	Fluid circulated in closed system without contact with aquifer
M	Mine	Tunnel/shaft/other excavation for mineral extraction
O	Observation	Drilled or used for water quality or water quantity monitoring
P	Oil or gas well	Well/hole drilled for exploration/production of oil or gas
R	Recharge	Well constructed/converted for replenishing aquifer
S	Repressurize	Pumping water into aquifer/reservoir to increase pressure
T	Test	Uncased/temporarily cased well water testing or mineral exploration
U	Unused	Abandoned water-supply site or one for which no use is contemplated
W	Water withdrawal	Water production or dewatering by pumping
X	Waste disposal	Waste injection/disposal well
Z	Other	Other type of well or site - Specify in remarks

GWCODE 18 - WATER USES

CODE	DESCRIPTION	COMMENTS
A	Air conditioning	Water used solely or principally for heating or cooling a building; does not include industrial machinery coolant water
B	Bottling	Placement of water in bottles for potable purposes
C	Commercial	Use by a business establishment that does not fabricate a product; includes filling stations and motels. Water used for product manufacturing, assembly, remodeling, or fabrication is considered industrial use, even where the water is not used directly in the product or its manufacture.
D	Dewatering	Water pumped from a construction or mining site or to lower the water table for agriculture. Pumped water may have a secondary use for irrigation.
E	Power	Water for the generation of any type of power.
F	Fire	Water used principally for fire control.

GWCODE 18 - WATER USES

CODE	DESCRIPTION	COMMENTS
H	Domestic	Water used for household needs in one to four homes, principally for cooking, washing, and other sanitary purposes, with some use for lawn/garden and pet care. This includes small quantities of water for domestic purposes for one-classroom schools, turnpike gates, and similar installations.
I	Irrigation	Water provided for the growth of cultivated plants on cropland or solely for maintenance of turfgrass on the grounds of institutions, cemeteries, and industrial/manufacturing sites.
J	Industrial (Cooling)	Water supply used solely for industrial cooling.
K	Mining	Water supply used solely for mining purposes.
M	Medicinal	Water used for bathing and/or drinking because of its claimed therapeutic value; includes some bottled water.
N	Industrial	Water used at a manufacturing or fabrication plant for cooling machinery, air conditioning, turfgrass/garden irrigation, or for incorporation in products.
P	Public Supply	Water pumped and distributed to five or more homes by a municipality, community, water district or private concern. Water supplies for trailer or summer camps with five or more living units are included in this category, but hotels and motels are classified as commercial. Water system may furnish water for a variety of other uses.
Q	Aquaculture	Water used solely for the commercial cultivation of aquatic life.
R	Recreation	Water discharged into pools, for swimming, boating, fishing, ice rinks, and other recreational use.
S	Stock	Water provided to livestock for drinking or bathing.
T	Institution	Water used in the maintenance and operation of institutions including large schools, universities, hospitals, churches, group care homes, or similar installations.
U	Unused	Water not being removed from the site for other purposes. Includes test holes, oil and gas, recharge, drainage, observation, or waste-disposal wells. Not used for an irrigation well or other well that is only temporarily not in use. Water from a newly constructed site should be described in terms of the use for which it is intended, even though it may not yet be in use when inventoried.
Y	Desalinization	Water used in a process whereby dissolved solids are removed from water to make it potable or suitable for other uses. Use of the desalinated water should appear in a secondary water use column.
Z	Other	Miscellaneous uses not included in other categories; include use in remarks field.

GWCODE 19 - WELL LOG TYPES

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
A	Drilling time	B	Casing collar	C	Caliper
D	Driller's	E	Electric	F	Fluid resistivity
G	Geologist's or sample	H	Magnetic	I	Induction
J	Gamma ray	K	Dipmeter survey	L	Lateral log
M	Microlog	N	Neutron log	O	Microlateral log
P	Photographic or video	Q	Radioactive tracer	S	Sonic
T	Temperature	U	Gamma-gamma	V	Fluid velocity
Y	Core (USGS Code X)	Z	Other; explain in remarks		

GWCODE 20A - TEXAS POSTAL ZIP CODES

CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
76621	Abbott	79311	Abernathy	79601	Abilene	79602	Abilene
79603	Abilene	79604	Abilene	79605	Abilene	79606	Abilene
79607	Abilene	79608	Abilene	79697	Abilene	79698	Abilene
79699	Abilene	77326	Ace	79713	Ackerly	75001	Addison
78101	Adkins	79001	Adrian	79220	Afton	78330	Agua Dulce
79221	Aiken	78516	Alamo	79002	Alanreed	75410	Alba
76430	Albany	76008	Aledo	78332	Alice	78333	Alice
77411	Alief	75002	Allen	78935	Alleyton	79003	Allison
79830	Alpine	79831	Alpine	79832	Alpine	77412	Altair
75925	Alto	76009	Alvarado	77511	Alvin	77512	Alvin
76225	Alvord	79101	Amarillo	79102	Amarillo	79103	Amarillo
79104	Amarillo	79105	Amarillo	79106	Amarillo	79107	Amarillo
79108	Amarillo	79109	Amarillo	79110	Amarillo	79111	Amarillo
79114	Amarillo	79116	Amarillo	79117	Amarillo	79118	Amarillo
79119	Amarillo	79120	Amarillo	79121	Amarillo	79123	Amarillo
79124	Amarillo	79159	Amarillo	79160	Amarillo	79161	Amarillo
79163	Amarillo	79164	Amarillo	79165	Amarillo	79166	Amarillo
79167	Amarillo	79168	Amarillo	79170	Amarillo	79171	Amarillo
79172	Amarillo	79173	Amarillo	79174	Amarillo	79175	Amarillo
79176	Amarillo	79177	Amarillo	79178	Amarillo	79180	Amarillo
79181	Amarillo	79182	Amarillo	79184	Amarillo	79185	Amarillo
79186	Amarillo	79187	Amarillo	79188	Amarillo	79189	Amarillo
79312	Amherst	77514	Anahuac	77830	Anderson	79714	Andrews
77515	Angleton	77516	Angleton	75409	Anna	75550	Annona
79501	Anson	76350	Antelope	79313	Anton	75926	Apple Springs
76622	Aquilla	78336	Aransas Pass	76351	Archer City	76226	Argyle
76003	Arlington	76004	Arlington	76005	Arlington	76006	Arlington
76007	Arlington	76010	Arlington	76011	Arlington	76012	Arlington
76013	Arlington	76014	Arlington	76015	Arlington	76016	Arlington
76017	Arlington	76018	Arlington	76019	Arlington	76094	Arlington
76096	Arlington	78338	Armstrong	75750	Arp	76820	Art
78001	Artesia Wells CPO	75411	Arthur City	78827	Asherton	79502	Aspermont
78002	Atascosa	75751	Athens	75551	Atlanta	76227	Aubrey
73301	Austin	73344	Austin	78701	Austin	78702	Austin
78703	Austin	78704	Austin	78705	Austin	78709	Austin
78710	Austin	78711	Austin	78712	Austin	78713	Austin
78714	Austin	78716	Austin	78717	Austin	78718	Austin
78719	Austin	78720	Austin	78721	Austin	78722	Austin
78723	Austin	78724	Austin	78725	Austin	78726	Austin
78727	Austin	78728	Austin	78729	Austin	78730	Austin

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
78731	Austin	78732	Austin	78733	Austin	78734	Austin
78735	Austin	78736	Austin	78737	Austin	78738	Austin
78739	Austin	78741	Austin	78742	Austin	78743	Austin
78744	Austin	78745	Austin	78746	Austin	78747	Austin
78748	Austin	78749	Austin	78750	Austin	78751	Austin
78752	Austin	78753	Austin	78754	Austin	78755	Austin
78756	Austin	78757	Austin	78758	Austin	78759	Austin
78760	Austin	78761	Austin	78762	Austin	78763	Austin
78764	Austin	78765	Austin	78766	Austin	78767	Austin
78768	Austin	78769	Austin	78771	Austin	78772	Austin
78773	Austin	78774	Austin	78778	Austin	78779	Austin
78780	Austin	78781	Austin	78782	Austin	78783	Austin
78785	Austin	78786	Austin	78787	Austin	78788	Austin
78789	Austin	77950	Austwell	76623	Avalon	75554	Avery
75630	Avinger	76624	Axtell	76020	Azle	76098	Azle
77518	Bacliff	75412	Bagwell	75413	Bailey	79504	Baird
76821	Ballinger	79718	Balmorehea	78003	Bandera	76823	Bangs
78339	Banquete	75101	Bardwell	77413	Barker	78828	Barksdale
76930	Barnhart	75102	Barry	79719	Barstow	76511	Bartlett
78602	Bastrop	78829	Batesville	77519	Batson	77404	Bay City
77414	Bay City	78340	Bayside	77520	Baytown	77521	Baytown
77522	Baytown	77417	Beasley	77701	Beaumont	77702	Beaumont
77703	Beaumont	77704	Beaumont	77705	Beaumont	77706	Beaumont
77707	Beaumont	77708	Beaumont	77710	Beaumont	77713	Beaumont
77720	Beaumont	77726	Beaumont	78603	Bebe	75631	Beckville
76021	Bedford	76022	Bedford	76095	Bedford	77831	Bedias
78102	Beeville	78103	Beeville	78104	Beeville	77401	Bellaire
77402	Bellaire	76228	Bellevue	75414	Bells	77418	Bellville
78604	Belmont	76513	Belton	76517	Ben Arnold	78342	Ben Bolt
75415	Ben Franklin	75754	Ben Wheeler	78341	Benavides	76824	Bend
79505	Benjamin	78107	Berclair	78004	Bergheim	78605	Bertram
79834	Big Bend National Park	76932	Big Lake	75755	Big Sandy	79720	Big Spring
79721	Big Spring	78830	Big Wells	78005	Bigfoot	76625	Birome
78343	Bishop	75555	Bivins	79506	Blackwell	78606	Blanco
76432	Blanket	79314	Bledsoe	78931	Bleiberville	77419	Blessing
75556	Bloomburg	76626	Blooming Grove	77951	Bloomington	75416	Blossom
75424	Blue Ridge	76352	Bluegrove	76433	Bluff Dale	78607	Bluffton
76627	Blum	78006	Boerne	75417	Bogata	77420	Boling
75928	Bon Wier	75418	Bonham	79005	Booker	79007	Borger
79008	Borger	75557	Boston	79009	Bovina	76230	Bowie

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
76023	Boyd	79010	Boys Ranch	78832	Brackettville	76825	Brady
76628	Brandon	75420	Brashear	77422	Brazoria	76424	Breckenridge
76629	Bremond	77833	Brenham	77834	Brenham	77611	Bridge City
76426	Bridgeport	78608	Briggs	79011	Briscoe	75929	Broaddus
75930	Bronson	76933	Bronte	75931	Brookeland	76827	Brookesmith
77423	Brookshire	75421	Brookston	79316	Brownfield	75756	Brownsboro
78520	Brownsville	78521	Brownsville	78522	Brownsville	78523	Brownsville
78526	Brownsville	76801	Brownwood	76803	Brownwood	76804	Brownwood
76630	Bruceville	78344	Bruni	77801	Bryan	77802	Bryan
77803	Bryan	77805	Bryan	77806	Bryan	76427	Bryson
78609	Buchanan Dam	76518	Buckholts	78610	Buda	75831	Buffalo
79508	Buffalo Gap	79320	Bula	75757	Bullard	78163	Bulverde CPO
77612	Buna	76354	Burkburnett	76828	Burkett	75932	Burkeville
76028	Burleson	76097	Burleson	76519	Burlington	78611	Burnet
77835	Burton	79012	Bushland	76357	Byers	76631	Bynum
79013	Cactus	76429	Caddo	75135	Caddo Mills	77836	Caldwell
75933	Call	78007	Calliham	77837	Calvert	75934	Camden
76520	Cameron	78833	Camp Wood	75422	Campbell	78008	Campbellton
79014	Canadian	75103	Canton	79835	Canutillo	79015	Canyon
79016	Canyon	76435	Carbon	79222	Carey	76934	Carlsbad
76436	Carlton	78932	Carmine	78834	Carrizo Springs	75006	Carrollton
75007	Carrollton	75008	Carrollton	75010	Carrollton	75011	Carrollton
78835	Carta Valley	75633	Carthage	75636	Cason	76831	Castell
78009	Castroville	78056	Castroville	78933	Cat Spring	78836	Catarina
75832	Cayuga	78612	Cedar Creek	75104	Cedar Hill	77415	Cedar Lane
78613	Cedar Park	79223	Cee Vee	75423	Celeste	75009	Celina
75935	Center	78010	Center Point	75833	Centerville	75834	Centralia
79224	Chalk	75758	Chandler	77530	Channelview	79018	Channing
79058	Channing	78347	Chapman Ranch	77426	Chappell Hill	78011	Charlotte
75105	Chatfield	76832	Cherokee	75936	Chester	76431	Chico
75425	Chicota	79201	Childress	79225	Chillicothe	76632	Chilton
77613	China	76633	China Spring	75937	Chireno	77838	Chriesman
78012	Christine	76935	Christoval	78108	Cibolo	76437	Cisco
79226	Clarendon	75426	Clarksville	79019	Claude	77839	Clay
75637	Clayton	76031	Cleburne	76033	Cleburne	77327	Cleveland
77328	Cleveland	76634	Clifton	79836	Clint	77531	Clute
79510	Clyde	79511	Coahoma	77331	Coldspring	76834	Coleman
77840	College Station	77841	College Station	77842	College Station	77843	College Station
77844	College Station	77845	College Station	77428	Collegeport	76034	Colleyville
76233	Collinsville	75938	Colmesneil	79512	Colorado City	78934	Columbus

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
76442	Comanche	78535	Combes	78013	Comfort	75428	Commerce
75429	Commerce	75431	Como	78837	Comstock	78838	Concan
78349	Concepcion	77850	Concord	79321	Cone	77301	Conroe
77302	Conroe	77303	Conroe	77304	Conroe	77305	Conroe
77384	Conroe	77385	Conroe	78109	Converse	75558	Cookville
76635	Coolidge	75432	Cooper	75121	Copeville	75019	Coppell
75099	Coppell	76522	Copperas Cove	78401	Corpus Christi	78402	Corpus Christi
78403	Corpus Christi	78404	Corpus Christi	78405	Corpus Christi	78406	Corpus Christi
78407	Corpus Christi	78408	Corpus Christi	78409	Corpus Christi	78410	Corpus Christi
78411	Corpus Christi	78412	Corpus Christi	78413	Corpus Christi	78414	Corpus Christi
78415	Corpus Christi	78416	Corpus Christi	78417	Corpus Christi	78418	Corpus Christi
78419	Corpus Christi	78426	Corpus Christi	78427	Corpus Christi	78460	Corpus Christi
78461	Corpus Christi	78463	Corpus Christi	78465	Corpus Christi	78466	Corpus Christi
78467	Corpus Christi	78468	Corpus Christi	78469	Corpus Christi	78470	Corpus Christi
78471	Corpus Christi	78472	Corpus Christi	78473	Corpus Christi	78474	Corpus Christi
78475	Corpus Christi	78476	Corpus Christi	78477	Corpus Christi	78478	Corpus Christi
78480	Corpus Christi	75939	Corrigan	75110	Corsicana	75151	Corsicana
78614	Cost	79021	Cotton Center	78014	Cotulla	78615	Coupland
76636	Covington	79730	Coyanosa	75114	Crandall	79731	Crane
76637	Cranfills Gap	76638	Crawford	76035	Cresson	75835	Crockett
77532	Crosby	79322	Crosbyton	76443	Cross Plains	79227	Crowell
79260	Crowell	76036	Crowley	78839	Crystal City	77954	Cuero
75433	Cumby	75759	Cuney	75434	Cunningham	75760	Cushing
77429	Cypress	77433	Cypress	78850	D Hanis	75638	Daingerfield
77533	Daisetta	78616	Dale	79022	Dalhart	77332	Dallardsville
75201	Dallas	75202	Dallas	75203	Dallas	75204	Dallas
75205	Dallas	75206	Dallas	75207	Dallas	75208	Dallas
75209	Dallas	75210	Dallas	75211	Dallas	75212	Dallas
75214	Dallas	75215	Dallas	75216	Dallas	75217	Dallas
75218	Dallas	75219	Dallas	75220	Dallas	75221	Dallas
75222	Dallas	75223	Dallas	75224	Dallas	75225	Dallas
75226	Dallas	75227	Dallas	75228	Dallas	75229	Dallas
75230	Dallas	75231	Dallas	75232	Dallas	75233	Dallas
75234	Dallas	75235	Dallas	75236	Dallas	75237	Dallas
75238	Dallas	75239	Dallas	75240	Dallas	75241	Dallas
75242	Dallas	75243	Dallas	75244	Dallas	75245	Dallas
75246	Dallas	75247	Dallas	75248	Dallas	75249	Dallas
75250	Dallas	75251	Dallas	75252	Dallas	75253	Dallas
75258	Dallas	75260	Dallas	75261	Dallas	75262	Dallas
75263	Dallas	75264	Dallas	75265	Dallas	75266	Dallas

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
75270	Dallas	75275	Dallas	75277	Dallas	75283	Dallas
75284	Dallas	75285	Dallas	75286	Dallas	75287	Dallas
75295	Dallas	75301	Dallas	75303	Dallas	75310	Dallas
75312	Dallas	75313	Dallas	75315	Dallas	75320	Dallas
75323	Dallas	75326	Dallas	75336	Dallas	75339	Dallas
75346	Dallas	75350	Dallas	75353	Dallas	75354	Dallas
75355	Dallas	75356	Dallas	75357	Dallas	75359	Dallas
75363	Dallas	75364	Dallas	75367	Dallas	75368	Dallas
75371	Dallas	75372	Dallas	75373	Dallas	75374	Dallas
75376	Dallas	75378	Dallas	75379	Dallas	75380	Dallas
75381	Dallas	75382	Dallas	75387	Dallas	75388	Dallas
75389	Dallas	75390	Dallas	75391	Dallas	75392	Dallas
75393	Dallas	75394	Dallas	75395	Dallas	75396	Dallas
75397	Dallas	75398	Dallas	77430	Damon	77534	Danbury
77431	Danciger	77432	Danevang	79024	Darrouzett	76523	Davilla
79025	Dawn	76639	Dawson	77535	Dayton	75639	De Berry
75559	De Kalb	76444	De Leon	75115	De Soto	75123	De Soto
77852	Deanville	76234	Decatur	77536	Deer Park	78840	Del Rio
78841	Del Rio	78842	Del Rio	78843	Del Rio	78847	Del Rio
78617	Del Valle	79837	Dell City	78536	Delmita	75020	Denison
75021	Denison	76439	Dennis	76201	Denton	76202	Denton
76203	Denton	76204	Denton	76205	Denton	76206	Denton
76207	Denton	76208	Denton	79323	Denver City	75435	Deport
76445	Desdemona	75436	Detroit	77538	Devers	78016	Devine
77614	Deweyville	75640	Diana	75941	Diboll	79229	Dickens
77539	Dickinson	75437	Dike	78017	Dilley	77853	Dime Box
79027	Dimmitt	78350	Dinero	77333	Dobbin	75438	Dodd City
77334	Dodge	79230	Dodson	75838	Donie	78537	Donna
76836	Doole	78618	Doss	75942	Doucette	79231	Dougherty
75943	Douglass	75560	Douglassville	78619	Driftwood	78620	Dripping Springs
78351	Driscoll	78851	Dryden	76446	Dublin	76447	Duffau
79029	Dumas	79232	Dumont	75116	Duncanville	75137	Duncanville
75138	Duncanville	79516	Dunn	77434	Eagle Lake	78852	Eagle Pass
78853	Eagle Pass	79031	Earth	77435	East Bernard	76448	Eastland
75641	Easton	78111	Ecleto	75439	Ector	78538	Edcouch
76524	Eddy	76837	Eden	75117	Edgewood	78539	Edinburg
78540	Edinburg	79032	Edmonson	77957	Edna	78352	Edroy
77436	Egypt	77437	El Campo	78860	El Indio	79821	El Paso
79901	El Paso	79902	El Paso	79903	El Paso	79904	El Paso
79905	El Paso	79906	El Paso	79907	El Paso	79908	El Paso

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
79910	El Paso	79911	El Paso	79912	El Paso	79913	El Paso
79914	El Paso	79915	El Paso	79916	El Paso	79917	El Paso
79918	El Paso	79920	El Paso	79922	El Paso	79923	El Paso
79924	El Paso	79925	El Paso	79926	El Paso	79927	El Paso
79930	El Paso	79931	El Paso	79932	El Paso	79934	El Paso
79935	El Paso	79936	El Paso	79937	El Paso	79940	El Paso
79941	El Paso	79942	El Paso	79943	El Paso	79944	El Paso
79945	El Paso	79946	El Paso	79947	El Paso	79948	El Paso
79949	El Paso	79950	El Paso	79951	El Paso	79952	El Paso
79953	El Paso	79954	El Paso	79955	El Paso	79958	El Paso
79960	El Paso	79961	El Paso	79966	El Paso	79968	El Paso
79973	El Paso	79974	El Paso	79975	El Paso	79976	El Paso
79977	El Paso	79978	El Paso	79980	El Paso	79982	El Paso
79983	El Paso	79984	El Paso	79985	El Paso	79986	El Paso
79987	El Paso	79988	El Paso	79989	El Paso	79990	El Paso
79991	El Paso	79992	El Paso	79993	El Paso	79994	El Paso
79995	El Paso	79996	El Paso	79997	El Paso	79998	El Paso
79999	El Paso	88510	El Paso	88511	El Paso	88512	El Paso
88513	El Paso	88514	El Paso	88515	El Paso	88516	El Paso
88517	El Paso	88518	El Paso	88519	El Paso	88520	El Paso
88521	El Paso	88523	El Paso	88524	El Paso	88525	El Paso
88526	El Paso	88527	El Paso	88528	El Paso	88529	El Paso
88530	El Paso	88531	El Paso	88532	El Paso	88533	El Paso
88534	El Paso	88535	El Paso	88536	El Paso	88538	El Paso
88539	El Paso	88540	El Paso	88541	El Paso	88542	El Paso
88543	El Paso	88544	El Paso	88545	El Paso	88546	El Paso
88547	El Paso	88548	El Paso	88549	El Paso	88550	El Paso
88553	El Paso	88554	El Paso	88555	El Paso	88556	El Paso
88557	El Paso	88558	El Paso	88559	El Paso	88560	El Paso
88561	El Paso	88562	El Paso	88563	El Paso	88565	El Paso
88566	El Paso	88567	El Paso	88568	El Paso	88569	El Paso
88570	El Paso	88571	El Paso	88572	El Paso	88573	El Paso
88574	El Paso	88575	El Paso	88576	El Paso	88577	El Paso
88578	El Paso	88579	El Paso	88580	El Paso	88581	El Paso
88582	El Paso	88583	El Paso	88584	El Paso	88585	El Paso
88586	El Paso	88587	El Paso	88588	El Paso	88589	El Paso
76359	Elbert	76936	Eldorado	76360	Electra	78621	Elgin
76438	Eliasville	75839	Elkhart	78938	Ellinger	76640	Elm Mott
77440	Elmaton	78112	Elmendorf	75118	Elmo	78543	Elsa
75642	Elysian Fields	75440	Emory	78019	Encinal	78353	Encino

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
76452	Energy	75441	Enloe	75119	Ennis	75120	Ennis
79324	Enochs	76937	Eola	76238	Era	79233	Estelline
75944	Etoile	76039	Eules	76040	Eules	75124	Eustace
77615	Evadale	76525	Evant	79838	Fabens	75840	Fairfield
78545	Falcon Heights	78355	Falfurrias	78113	Falls City	77960	Fannin
75442	Farmersville	79033	Farnsworth	79325	Farwell	75132	Fate
78940	Fayetteville	78622	Fentress	75125	Ferris	79326	Fieldton
78623	Fischer	76526	Flat	78941	Flatonia	75762	Flint
79234	Flomot	76527	Florence	78114	Floresville	79235	Floydada
79517	Fluvanna	77855	Flynn	79034	Follett	76239	Forestburg
75126	Forney	76041	Forreston	79733	Forsan	79734	Fort Davis
79839	Fort Hancock	76841	Fort Mc Kavett	79735	Fort Stockton	76101	Fort Worth
76102	Fort Worth	76103	Fort Worth	76104	Fort Worth	76105	Fort Worth
76106	Fort Worth	76107	Fort Worth	76108	Fort Worth	76109	Fort Worth
76110	Fort Worth	76111	Fort Worth	76112	Fort Worth	76113	Fort Worth
76114	Fort Worth	76115	Fort Worth	76116	Fort Worth	76117	Fort Worth
76118	Fort Worth	76119	Fort Worth	76120	Fort Worth	76121	Fort Worth
76122	Fort Worth	76123	Fort Worth	76124	Fort Worth	76126	Fort Worth
76127	Fort Worth	76129	Fort Worth	76130	Fort Worth	76131	Fort Worth
76132	Fort Worth	76133	Fort Worth	76134	Fort Worth	76135	Fort Worth
76136	Fort Worth	76137	Fort Worth	76140	Fort Worth	76147	Fort Worth
76148	Fort Worth	76150	Fort Worth	76155	Fort Worth	76161	Fort Worth
76162	Fort Worth	76163	Fort Worth	76164	Fort Worth	76177	Fort Worth
76179	Fort Worth	76180	Fort Worth	76181	Fort Worth	76182	Fort Worth
76185	Fort Worth	76191	Fort Worth	76192	Fort Worth	76193	Fort Worth
76195	Fort Worth	76196	Fort Worth	76197	Fort Worth	76198	Fort Worth
76199	Fort Worth	78021	Fowlerton	77961	Francitas	77856	Franklin
75763	Frankston	77616	Fred	78624	Fredericksburg	76842	Fredonia
77541	Freeport	78357	Freer	77545	Fresno	77546	Friendswood
79035	Friona	75034	Frisco	79036	Fritch	76641	Frost
75127	Fruitvale	77441	Fulshear	78358	Fulton	79738	Gail
76240	Gainesville	76241	Gainesville	77547	Galena Park	75764	Gallatin
77550	Galveston	77551	Galveston	77552	Galveston	77553	Galveston
77554	Galveston	77555	Galveston	77962	Ganado	78547	Garciasville
79739	Garden City	79758	Gardendale	75040	Garland	75041	Garland
75042	Garland	75043	Garland	75044	Garland	75045	Garland
75046	Garland	75047	Garland	75048	Garland	75946	Garrison
77442	Garwood	75643	Gary	76528	Gatesville	76576	Gatesville
76597	Gatesville	76598	Gatesville	76599	Gatesville	77857	Gause
75947	Geneva	78022	George West	78626	Georgetown	78627	Georgetown

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
78628	Georgetown	78115	Geronimo	78942	Giddings	77617	Gilchrist
78116	Gillett	75644	Gilmer	79518	Girard	79740	Girvin
75647	Gladewater	77443	Glen Flora	76043	Glen Rose	78943	Glidden
75443	Gober	76044	Godley	75444	Golden	79519	Goldsboro
79741	Goldsmith	76844	Goldthwaite	77963	Goliad	78629	Gonzales
77335	Goodrich	76453	Gordon	76245	Gordonville	76363	Goree
76454	Gorman	76845	Gouldbusk	76449	Graford	76450	Graham
76048	Granbury	76049	Granbury	75050	Grand Prairie	75051	Grand Prairie
75052	Grand Prairie	75053	Grand Prairie	75054	Grand Prairie	75140	Grand Saline
79742	Grandfalls	76050	Grandview	76530	Granger	75844	Grapeland
76051	Grapevine	76092	Grapevine	76099	Grapevine	75401	Greenville
75402	Greenville	75403	Greenville	75404	Greenville	76246	Greenwood
78359	Gregory	76642	Groesbeck	79039	Groom	77619	Groves
75845	Groveton	78548	Gruella	79040	Gruver	78360	Guerra
75058	Gunter	76455	Gustine	79236	Guthrie	77444	Guy
79041	Hale Center	77964	Hallettsville	75650	Hallsville	76531	Hamilton
79520	Hamlin	77622	Hamshire	77560	Hankamer	79042	Happy
79094	Happy	77561	Hardin	78549	Hargill	75651	Harleton
78550	Harlingen	78551	Harlingen	78552	Harlingen	78631	Harper
76364	Harrold	79043	Hart	79044	Hartley	78632	Harwood
79521	Haskell	76052	Haslet	76456	Hasse	75765	Hawkins
79525	Hawley	77859	Hearne	78361	Hebbronville	79237	Hedley
76533	Heidenheimer	78023	Helotes	75948	Hemphill	77445	Hempstead
75652	Henderson	75653	Henderson	76365	Henrietta	79045	Hereford
79085	Hereford	79526	Hermleigh	76643	Hewitt	76848	Hext
76457	Hico	78557	Hidalgo	79046	Higgins	77623	High Island
77562	Highlands	77624	Hillister	76645	Hillsboro	77563	Hitchcock
78117	Hobson	77967	Hochheim	77447	Hockley	76534	Holland
76366	Holliday	78861	Hondo	75446	Honey Grove	75561	Hooks
77001	Houston	77002	Houston	77003	Houston	77004	Houston
77005	Houston	77006	Houston	77007	Houston	77008	Houston
77009	Houston	77010	Houston	77011	Houston	77012	Houston
77013	Houston	77014	Houston	77015	Houston	77016	Houston
77017	Houston	77018	Houston	77019	Houston	77020	Houston
77021	Houston	77022	Houston	77023	Houston	77024	Houston
77025	Houston	77026	Houston	77027	Houston	77028	Houston
77029	Houston	77030	Houston	77031	Houston	77032	Houston
77033	Houston	77034	Houston	77035	Houston	77036	Houston
77037	Houston	77038	Houston	77039	Houston	77040	Houston
77041	Houston	77042	Houston	77043	Houston	77044	Houston

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
77045	Houston	77046	Houston	77047	Houston	77048	Houston
77049	Houston	77050	Houston	77051	Houston	77052	Houston
77053	Houston	77054	Houston	77055	Houston	77056	Houston
77057	Houston	77058	Houston	77059	Houston	77060	Houston
77061	Houston	77062	Houston	77063	Houston	77064	Houston
77065	Houston	77066	Houston	77067	Houston	77068	Houston
77069	Houston	77070	Houston	77071	Houston	77072	Houston
77073	Houston	77074	Houston	77075	Houston	77076	Houston
77077	Houston	77078	Houston	77079	Houston	77080	Houston
77081	Houston	77082	Houston	77083	Houston	77084	Houston
77085	Houston	77086	Houston	77087	Houston	77088	Houston
77089	Houston	77090	Houston	77091	Houston	77092	Houston
77093	Houston	77094	Houston	77095	Houston	77096	Houston
77097	Houston	77098	Houston	77099	Houston	77201	Houston
77202	Houston	77203	Houston	77204	Houston	77205	Houston
77206	Houston	77207	Houston	77208	Houston	77209	Houston
77210	Houston	77212	Houston	77213	Houston	77215	Houston
77216	Houston	77217	Houston	77218	Houston	77219	Houston
77220	Houston	77221	Houston	77222	Houston	77223	Houston
77224	Houston	77225	Houston	77226	Houston	77227	Houston
77228	Houston	77229	Houston	77230	Houston	77231	Houston
77233	Houston	77234	Houston	77235	Houston	77236	Houston
77237	Houston	77238	Houston	77240	Houston	77241	Houston
77242	Houston	77243	Houston	77244	Houston	77245	Houston
77248	Houston	77249	Houston	77250	Houston	77251	Houston
77252	Houston	77253	Houston	77254	Houston	77255	Houston
77256	Houston	77257	Houston	77258	Houston	77259	Houston
77260	Houston	77261	Houston	77262	Houston	77263	Houston
77265	Houston	77266	Houston	77267	Houston	77268	Houston
77269	Houston	77270	Houston	77271	Houston	77272	Houston
77273	Houston	77274	Houston	77275	Houston	77277	Houston
77279	Houston	77280	Houston	77281	Houston	77282	Houston
77284	Houston	77287	Houston	77288	Houston	77289	Houston
77290	Houston	77291	Houston	77292	Houston	77293	Houston
77297	Houston	77298	Houston	77299	Houston	75459	Howe
76648	Hubbard	77336	Huffman	77337	Hufsmith	75656	Hughes Springs
77564	Hull	77325	Humble	77338	Humble	77339	Humble
77345	Humble	77346	Humble	77347	Humble	77396	Humble
77448	Hungerford	78024	Hunt	75949	Huntington	77340	Huntsville
77341	Huntsville	77342	Huntsville	77343	Huntsville	77344	Huntsville

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
77348	Huntsville	77349	Huntsville	76053	Hurst	76054	Hurst
75141	Hutchins	78634	Hutto	78635	Hye	79329	Idalou
79743	Imperial	78944	Industry	77968	Inez	78362	Ingleside
78025	Ingram	77861	Iola	76367	Iowa Park	79527	Ira
79744	Iraan	76649	Iredell	76650	Irene	75014	Irving
75015	Irving	75016	Irving	75017	Irving	75038	Irving
75039	Irving	75060	Irving	75061	Irving	75062	Irving
75063	Irving	75084	Irving	76651	Italy	76055	Itasca
75447	Ivanhoe	76458	Jacksboro	75766	Jacksonville	76537	Jarrell
75951	Jasper	79528	Jayton	75657	Jefferson	76459	Jermyn
75846	Jewett	75954	Joaquin	78636	Johnson City	75658	Joinerville
76538	Jonesboro	75659	Jonesville	75164	Josephine	76058	Joshua
78026	Jourdanton	75660	Judson	76849	Junction	79330	Justiceburg
76247	Justin	76369	Kamay	75661	Karnack	78118	Karnes City
76850	Katemcy	77449	Katy	77450	Katy	77491	Katy
77492	Katy	77493	Katy	77494	Katy	75142	Kaufman
76059	Keene	76244	Keller	76248	Keller	77565	Kemah
75143	Kemp	76539	Kempner	78027	Kendalia	77451	Kendleton
78119	Kenedy	78125	Kenedy	75847	Kennard	76060	Kennedale
77452	Kenney	75144	Kerens	79745	Kermit	78028	Kerrville
78029	Kerrville	75562	Kildare	75662	Kilgore	75663	Kilgore
76540	Killeen	76541	Killeen	76542	Killeen	76543	Killeen
76544	Killeen	76545	Killeen	76546	Killeen	76547	Killeen
78638	Kingsbury	78639	Kingsland	78363	Kingsville	78364	Kingsville
75956	Kirbyville	79238	Kirkland	75848	Kirvin	75448	Klondike
76939	Knickerbocker	78870	Knippa	79748	Knott	79529	Knox City
76652	Kopperl	76653	Kosse	77625	Kountze	79052	Kress
76249	Krum	77862	Kurten	78640	Kyle	78558	La Blanca
78039	La Coste	78559	La Feria	78945	La Grange	78560	La Joya
77568	La Marque	77571	La Porte	77572	La Porte	78872	La Pryor
77969	La Salle	78121	La Vernia	78562	La Villa	77970	La Ward
75449	Ladonia	75666	Laird Hill	75450	Lake Creek	75065	Lake Dallas
77566	Lake Jackson	79239	Lakeview	79331	Lamesa	76550	Lampasas
75134	Lancaster	75146	Lancaster	77453	Lane City	75667	Laneville
78871	Langtry	78040	Laredo	78041	Laredo	78042	Laredo
78043	Laredo	78044	Laredo	75770	Larue	78561	Lasara
75849	Latexo	75166	Lavon	79530	Lawn	79053	Lazbuddie
77573	League City	77574	League City	78873	Leakey	78641	Leander
78645	Leander	78946	Ledbetter	75451	Leesburg	78122	Leesville
79054	Lefors	77350	Leggett	79240	Lelia Lake	78050	Leming

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
79749	Lenorah	76552	Leon Junction	75850	Leona	75452	Leonard
76654	Leroy	79336	Levelland	79338	Levelland	75028	Lewisville
75029	Lewisville	75056	Lewisville	75057	Lewisville	75067	Lewisville
78947	Lexington	77575	Liberty	78642	Liberty Hill	76061	Lillian
78948	Lincoln	75771	Lindale	75563	Linden	76250	Lindsay
76461	Lingleville	78563	Linn	76462	Lipan	79056	Lipscomb
77454	Lissie	75068	Little Elm	76554	Little River	79339	Littlefield
77577	Liverpool	77351	Livingston	78643	Llano	78644	Lockhart
79241	Lockney	75564	Lodi	76852	Lohn	77971	Lolita
76853	Lometa	76854	London	75453	Lone Oak	75668	Lone Star
75669	Long Branch	75601	Longview	75602	Longview	75603	Longview
75604	Longview	75605	Longview	75606	Longview	75607	Longview
75608	Longview	75615	Longview	79342	Loop	78564	Lopeno
79532	Loraine	76655	Lorena	79343	Lorenzo	78565	Los Ebanos
78566	Los Fresnos	78567	Los Indios	76656	Lott	77455	Louise
75851	Lovelady	76460	Loving	76855	Lowake	78568	Lozano
79401	Lubbock	79402	Lubbock	79403	Lubbock	79404	Lubbock
79405	Lubbock	79406	Lubbock	79407	Lubbock	79408	Lubbock
79409	Lubbock	79410	Lubbock	79411	Lubbock	79412	Lubbock
79413	Lubbock	79414	Lubbock	79415	Lubbock	79416	Lubbock
79417	Lubbock	79423	Lubbock	79424	Lubbock	79430	Lubbock
79452	Lubbock	79453	Lubbock	79457	Lubbock	79464	Lubbock
79489	Lubbock	79490	Lubbock	79491	Lubbock	79493	Lubbock
79499	Lubbock	79533	Lueders	75901	Lufkin	75902	Lufkin
75903	Lufkin	75915	Lufkin	78648	Luling	77711	Lumberton
78569	Lyford	77863	Lyons	78052	Lytle	75147	Mabank
78054	Macdona	77864	Madisonville	77355	Magnolia	75957	Magnolia Springs
75148	Malakoff	76660	Malone	78652	Manchaca	78653	Manor
76063	Mansfield	77578	Manvel	79344	Maple	79842	Marathon
78654	Marble Falls	79843	Marfa	75566	Marietta	78124	Marion
77456	Markham	76661	Marlin	77865	Marquez	75670	Marshall
75671	Marshall	76664	Mart	78655	Martindale	75958	Martinsville
79535	Maryneal	76856	Mason	79244	Matador	77457	Matagorda
78368	Mathis	75567	Maud	77626	Mauriceville	78656	Maxwell
76857	May	75772	Maydelle	76064	Maypearl	76555	Maysfield
79243	McAdoo	78501	McAllen	78502	McAllen	78503	McAllen
78504	McAllen	79752	McCamey	79534	McCaulley	78053	McCoy
78650	McDade	77973	McFaddin	76657	McGregor	75069	McKinney
75070	McKinney	79057	McLean	75565	McLeod	78651	McNeil
78123	McQueeney	79345	Meadow	78055	Medina	76370	Megargel

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
75454	Melissa	76858	Melvin	79245	Memphis	76859	Menard
79754	Mentone	78570	Mercedes	76940	Mereta	76665	Meridian
75458	Merit	79536	Merkel	76666	Mertens	76941	Mertzson
75149	Mesquite	75150	Mesquite	75180	Mesquite	75181	Mesquite
75182	Mesquite	75185	Mesquite	75187	Mesquite	76667	Mexia
77974	Meyersville	79059	Miami	77458	Midfield	79755	Midkiff
79701	Midland	79702	Midland	79703	Midland	79704	Midland
79705	Midland	79706	Midland	79707	Midland	79708	Midland
79709	Midland	79710	Midland	79711	Midland	79712	Midland
76065	Midlothian	75852	Midway	75959	Milam	76556	Milano
76861	Miles	76670	Milford	76862	Millersview	77866	Millican
76066	Millsap	75680	Minden	75773	Mineola	76067	Mineral Wells
76068	Mineral Wells	76463	Mingus	78369	Mirando City	78572	Mission
77459	Missouri City	77489	Missouri City	79061	Mobeetie	79756	Monahans
77580	Mont Belvieu	76251	Montague	75853	Montalba	77356	Montgomery
76557	Moody	78057	Moore	76464	Moran	76671	Morgan
76465	Morgan Mill	79062	Morse	79346	Morton	75960	Moscow
77975	Moulton	76558	Mound	76673	Mount Calm	75681	Mount Enterprise
75455	Mount Pleasant	75456	Mount Pleasant	75457	Mount Vernon	78058	Mountain Home
76252	Muenster	78949	Muldoon	79347	Muleshoe	76864	Mullin
77867	Mumford	76371	Munday	75778	Murchison	76253	Myra
75961	Nacogdoches	75962	Nacogdoches	75963	Nacogdoches	77460	Nada
75568	Naples	75569	Nash	78059	Natalia	77868	Navasota
77869	Navasota	79063	Nazareth	75779	Neches	77627	Nederland
77461	Needville	76070	Nemo	75173	Nevada	77870	New Baden
75570	New Boston	78130	New Braunfels	78131	New Braunfels	78132	New Braunfels
78133	New Braunfels	77357	New Caney	79350	New Deal	75682	New London
75780	New Summerfield	78950	New Ulm	77358	New Waverly	76071	Newark
76372	Newcastle	77462	Newgulf	76254	Newport	75966	Newton
78140	Nixon	76255	Nocona	79537	Nolan	76559	Nolanville
77629	Nome	78141	Nordheim	77871	Normangee	78142	Normanna
77315	North Houston	77872	North Zulch	76865	Norton	79759	Notrees
79538	Novice	77976	Nursery	79539	O Brien	77359	Oakhurst
78951	Oakland	78060	Oakville CPO	75855	Oakwood	79247	Odell
78370	Odem	79760	Odessa	79761	Odessa	79762	Odessa
79763	Odessa	79764	Odessa	79765	Odessa	79766	Odessa
79767	Odessa	79768	Odessa	79769	Odessa	79351	Odonnell
76561	Oglesby	78371	Oilton	76373	Oklaunion	79540	Old Glory
77463	Old Ocean	76466	Olden	78575	Olmito	76374	Olney
79064	Olton	75571	Omaha	77360	Onalaska	77630	Orange

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
77631	Orange	77632	Orange	78372	Orange Grove	77639	Orangefield
77464	Orchard	75683	Ore City	79770	Orla	78658	Ottine
76675	Otto	79541	Ovalo	75684	Overton	76943	Ozona
79248	Paducah	78659	Paige	76866	Paint Rock	77465	Palacios
75801	Palestine	75802	Palestine	75882	Palestine	75152	Palmer
76484	Palo Pinto	76467	Paluxy	79065	Pampa	79066	Pampa
78143	Pandora	79068	Panhandle	78144	Panna Maria	75685	Panola
76073	Paradise	75460	Paris	75461	Paris	75462	Paris
77501	Pasadena	77502	Pasadena	77503	Pasadena	77504	Pasadena
77505	Pasadena	77506	Pasadena	77507	Pasadena	77508	Pasadena
77466	Pattison	75468	Pattonville	78145	Pawnee	79542	Peacock
76867	Pear Valley	77581	Pearland	77584	Pearland	77588	Pearland
78061	Pearsall	76485	Peaster	75469	Pecan Gap	79772	Pecos
78062	Peggy	76564	Pendleton	76676	Penelope	78576	Penitas
75856	Pennington	79776	Penwell	79353	Pep	76486	Perrin
76677	Perry	79070	Perryton	79250	Petersburg	76377	Petrolia
78146	Pettus	75470	Petty	78660	Pflugerville	78577	Pharr
75471	Pickton	77467	Pierce	76258	Pilot Point	77362	Pinehurst
75968	Pineland	78063	Pipe Creek	75686	Pittsburg	77977	Placedo
79355	Plains	79072	Plainview	79073	Plainview	75023	Plano
75024	Plano	75025	Plano	75026	Plano	75074	Plano
75075	Plano	75086	Plano	75093	Plano	75094	Plano
77363	Plantersville	78064	Pleasanton	77468	Pledger	78952	Plum
75472	Point	77978	Point Comfort	77364	Pointblank	75969	Pollok
76259	Ponder	76869	Pontotoc	76487	Poolville	78373	Port Aransas
77640	Port Arthur	77641	Port Arthur	77642	Port Arthur	77643	Port Arthur
77650	Port Bolivar	78578	Port Isabel	78597	Port Isabel	77972	Port Lavaca
77979	Port Lavaca	77651	Port Neches	77982	Port O Connor	77365	Porter
78374	Portland	79356	Post	78065	Poteet	78147	Poth
75076	Pottsboro	76565	Pottsville	75473	Powderly	75153	Powell
75782	Poynor	76678	Prairie Hill	78661	Prairie Lea	77446	Prairie View
78375	Premont	79845	Presidio	79846	Presidio	75687	Price
76870	Priddy	75407	Princeton	76468	Proctor	78579	Progreso
75078	Prosper	76679	Purdon	76566	Purmela	76469	Putnam
79777	Pyote	79251	Quail	79252	Quanah	75572	Queen City
78877	Quemado	75474	Quinlan	79255	Quitaque	75783	Quitman
76077	Rainbow	79357	Ralls	75475	Randolph	76470	Ranger
79778	Rankin	75858	Ratcliff	75476	Ravenna	78580	Raymondville
78598	Raymondville	77582	Raywood	76680	Reagan	78376	Realitos
75154	Red Oak	78662	Red Rock	76378	Red Springs	75573	Redwater

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
78377	Refugio	75784	Reklaw	76078	Rhome	75155	Rice
77873	Richards	75080	Richardson	75081	Richardson	75082	Richardson
75083	Richardson	75085	Richardson	76681	Richland	76871	Richland Springs
77469	Richmond	76682	Riesel	76261	Ringgold	78879	Rio Frio
78582	Rio Grande City	78583	Rio Hondo	76093	Rio Vista	78066	Riomedina
76471	Rising Star	77367	Riverside	78379	Riviera	76262	Roanoke
76299	Roanoke	77875	Roans Prairie	79256	Roaring Springs	76945	Robert Lee
78380	Robstown	79543	Roby	76872	Rochelle	79544	Rochester
77470	Rock Island	76567	Rockdale	75970	Rockland	78382	Rockport
78880	Rocksprings	75087	Rockwall	76873	Rockwood	76569	Rogers
78584	Roma	77368	Romayor	76874	Roosevelt	79358	Ropesville
78953	Rosanky	79545	Roscoe	76570	Rosebud	77471	Rosenberg
77583	Rosharon	76684	Ross	75157	Rosser	76263	Rosston
79546	Rotan	78663	Round Mountain	78664	Round Rock	78680	Round Rock
78681	Round Rock	78954	Round Top	78961	Round Top	76875	Rowena
75088	Rowlett	75477	Roxton	79779	Royalty	75189	Royse City
79547	Rule	79548	Rule	78151	Runge	75785	Rusk
77369	Rye	78881	Sabinal	77655	Sabine Pass	75788	Sacul
76264	Sadler	78152	Saint Hedwig	76265	Saint Jo	76571	Salado
78585	Salineno	79847	Salt Flat	75478	Salttillo	79077	Sammorwood
76901	San Angelo	76902	San Angelo	76903	San Angelo	76904	San Angelo
76905	San Angelo	76906	San Angelo	76908	San Angelo	76909	San Angelo
78201	San Antonio	78202	San Antonio	78203	San Antonio	78204	San Antonio
78205	San Antonio	78206	San Antonio	78207	San Antonio	78208	San Antonio
78209	San Antonio	78210	San Antonio	78211	San Antonio	78212	San Antonio
78213	San Antonio	78214	San Antonio	78215	San Antonio	78216	San Antonio
78217	San Antonio	78218	San Antonio	78219	San Antonio	78220	San Antonio
78221	San Antonio	78222	San Antonio	78223	San Antonio	78224	San Antonio
78225	San Antonio	78226	San Antonio	78227	San Antonio	78228	San Antonio
78229	San Antonio	78230	San Antonio	78231	San Antonio	78232	San Antonio
78233	San Antonio	78234	San Antonio	78235	San Antonio	78236	San Antonio
78237	San Antonio	78238	San Antonio	78239	San Antonio	78240	San Antonio
78241	San Antonio	78242	San Antonio	78243	San Antonio	78244	San Antonio
78245	San Antonio	78246	San Antonio	78247	San Antonio	78248	San Antonio
78249	San Antonio	78250	San Antonio	78251	San Antonio	78252	San Antonio
78253	San Antonio	78254	San Antonio	78255	San Antonio	78256	San Antonio
78257	San Antonio	78258	San Antonio	78259	San Antonio	78260	San Antonio
78261	San Antonio	78262	San Antonio	78263	San Antonio	78264	San Antonio
78265	San Antonio	78266	San Antonio	78268	San Antonio	78269	San Antonio
78270	San Antonio	78275	San Antonio	78278	San Antonio	78279	San Antonio

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
78280	San Antonio	78283	San Antonio	78284	San Antonio	78285	San Antonio
78286	San Antonio	78287	San Antonio	78288	San Antonio	78289	San Antonio
78291	San Antonio	78292	San Antonio	78293	San Antonio	78294	San Antonio
78295	San Antonio	78296	San Antonio	78297	San Antonio	78298	San Antonio
78299	San Antonio	75972	San Augustine	78586	San Benito	78384	San Diego
79849	San Elizario	77473	San Felipe	78588	San Isidro	78589	San Juan
78666	San Marcos	78667	San Marcos	78590	San Perlita	76877	San Saba
78067	San Ygnacio	79848	Sanderson	78383	Sandia	78665	Sandy
79078	Sanford	76266	Sanger	76878	Santa Anna	78591	Santa Elena
77510	Santa Fe	77517	Santa Fe	78592	Santa Maria	78593	Santa Rosa
76472	Santo	79780	Saragosa	77585	Saratoga	78385	Sarita
76685	Satin	75479	Savoy	78154	Schertz	78956	Schulenburg
76573	Schwertner	76379	Scotland	75688	Scottsville	75480	Scroggins
75158	Scurry	77586	Seabrook	77983	Seadrift	75159	Seagoville
79359	Seagraves	77474	Sealy	78594	Sebastian	78155	Seguin
78156	Seguin	75689	Selman City	79360	Seminole	76380	Seymour
79850	Shafter	79363	Shallowater	79079	Shamrock	79090	Shamrock
79781	Sheffield	75973	Shelbyville	77371	Shepherd	77475	Sheridan
75090	Sherman	75091	Sherman	77984	Shiner	77876	Shiro
76474	Sidney	79851	Sierra Blanca	77656	Silsbee	76949	Silver
79257	Silverton	75574	Simms	77476	Simonton	78387	Sinton
79080	Skellytown	78389	Skidmore	79364	Slaton	79366	Slaton
79368	Slaton	76267	Slidell	78159	Smiley	78957	Smithville
79367	Smyer	77878	Snook	79549	Snyder	79550	Snyder
78069	Somerset	77879	Somerville	76950	Sonora	77659	Sour Lake
76481	South Bend	77587	South Houston	79258	South Plains	76268	Southmayd
79369	Spade	77985	Speaks	79081	Spearman	78669	Spicewood
77372	Splendora	77373	Spring	77379	Spring	77380	Spring
77381	Spring	77382	Spring	77383	Spring	77386	Spring
77387	Spring	77388	Spring	77389	Spring	77391	Spring
78070	Spring Branch	79082	Springlake	76082	Springtown	79370	Spur
77660	Spurger	77477	Stafford	77497	Stafford	79503	Stamford
79553	Stamford	79782	Stanton	78670	Staples	76880	Star
76401	Stephenville	76402	Stephenville	76951	Sterling City	79083	Stinnett
78160	Stockdale	78671	Stonewall	77661	Stowell	79051	Stratford
79084	Stratford	76475	Strawn	75859	Streetman	77986	Sublime
79371	Sudan	77478	Sugar Land	77479	Sugar Land	77487	Sugar Land
78595	Sullivan City	75481	Sulphur Bluff	75482	Sulphur Springs	75483	Sulphur Springs
75486	Sumner	79372	Sundown	79086	Sunray	76270	Sunset
78161	Sutherland Springs	77480	Sweeny	77987	Sweet Home	79556	Sweetwater

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CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
79560	Sylvester	78390	Taft	79373	Tahoka	75487	Talco
76882	Talpa	78883	Tarpley	79783	Tarzan	75691	Tatum
76574	Taylor	75860	Teague	76686	Tehuacana	76883	Telegraph
75488	Telephone	77988	Telferner	79259	Tell	76501	Temple
76502	Temple	76503	Temple	76504	Temple	76505	Temple
76508	Temple	75974	Tenaha	75861	Tennessee Colony	75880	Tennessee Colony
75884	Tennessee Colony	75886	Tennessee Colony	76953	Tennyson	79852	Terlingua
75160	Terrell	75501	Texarkana	75503	Texarkana	75504	Texarkana
75505	Texarkana	75507	Texarkana	77590	Texas City	77591	Texas City
77592	Texas City	79087	Texline	77374	Thicket	77989	Thomaston
77481	Thompsons	76577	Thorndale	76687	Thornton	76578	Thrall
78071	Three Rivers	76483	Throckmorton	78072	Tilden	75975	Timpson
76271	Tioga	77990	Tivoli	79376	Tokio	76476	Tolar
75489	Tom Bean	77375	Tomball	77377	Tomball	79853	Tornillo
78672	Tow	79785	Toyah	79786	Toyahvale	79561	Trent
75490	Trenton	75163	Trinidad	75862	Trinity	75789	Troup
76579	Troy	78162	Tuleta	79088	Tulia	79261	Turkey
79562	Tuscola	79563	Tye	75701	Tyler	75702	Tyler
75703	Tyler	75704	Tyler	75705	Tyler	75706	Tyler
75707	Tyler	75708	Tyler	75709	Tyler	75710	Tyler
75711	Tyler	75712	Tyler	75713	Tyler	78391	Tynan
79091	Umbarger	78148	Universal City	78150	Universal City	78884	Utopia
78801	Uvalde	78802	Uvalde	79854	Valentine	76884	Valera
76689	Valley Mills	76885	Valley Spring	76272	Valley View	75790	Van
75495	Van Alstyne	79855	Van Horn	77482	Van Vleck	76955	Vancourt
77991	Vanderbilt	78885	Vanderpool	79092	Vega	76084	Venus
76383	Vera	76886	Veribest	76384	Vernon	76385	Vernon
77901	Victoria	77902	Victoria	77903	Victoria	77904	Victoria
77905	Victoria	77662	Vidor	77670	Vidor	77663	Village Mills
76887	Voca	78073	Von Ormy	76888	Voss	77376	Votaw
77709	Voth	76701	Waco	76702	Waco	76703	Waco
76704	Waco	76705	Waco	76706	Waco	76707	Waco
76708	Waco	76710	Waco	76711	Waco	76712	Waco
76714	Waco	76715	Waco	76716	Waco	76795	Waco
76796	Waco	76797	Waco	76798	Waco	76799	Waco
77483	Wadsworth	78959	Waelder	79093	Waka	78673	Walburg
76957	Wall	77484	Waller	77485	Wallis	77597	Wallisville
76690	Walnut Springs	78960	Warda	78074	Waring	77664	Warren

GWCODE 20A - TEXAS POSTAL ZIP CODES

CODE	CITY	CODE	CITY	CODE	CITY	CODE	CITY
77880	Washington	75692	Waskom	76958	Water Valley	75165	Waxahachie
76086	Weatherford	76087	Weatherford	77598	Webster	77993	Weesatche
78962	Weimar	76388	Weinert	78674	Weir	79377	Welch
77881	Wellborn	79095	Wellington	79378	Wellman	75976	Wells
78596	Weslaco	76691	West	77486	West Columbia	78963	West Point
79565	Westbrook	77994	Westhoff	75485	Westminster	75097	Weston
77488	Wharton	79096	Wheeler	77882	Wheelock	79097	White Deer
75693	White Oak	79379	Whiteface	75791	Whitehouse	76273	Whitesboro
75491	Whitewright	79380	Whitharral	76692	Whitney	78075	Whitsett
76490	Whitt	76889	Whon	76301	Wichita Falls	76302	Wichita Falls
76303	Wichita Falls	76304	Wichita Falls	76305	Wichita Falls	76306	Wichita Falls
76307	Wichita Falls	76308	Wichita Falls	76309	Wichita Falls	76310	Wichita Falls
76311	Wichita Falls	79788	Wickett	75977	Wiergate	79098	Wildorado
77378	Willis	78675	Willow City	75169	Wills Point	75172	Wilmer
79381	Wilson	79383	Wilson	78676	Wimberley	78964	Winchester
75492	Windom	76389	Windthorst	75493	Winfield	79566	Wingate
79789	Wink	77665	Winnie	75494	Winnsboro	75792	Winona
79567	Winters	75978	Woden	75496	Wolfe City	79382	Wolfforth
75865	Woodlake	75694	Woodlawn	78393	Woodsboro	76491	Woodson
75979	Woodville	75990	Woodville	76693	Wortham	78677	Wrightsboro
75098	Wylie	78886	Yancey	75497	Yantis	77995	Yoakum
78164	Yorktown	78076	Zapata	75980	Zavalla	76890	Zephyr

GWCODE 21 - UNDERGROUND DISTRICTS

CODE	DESCRIPTION	CODE	DESCRIPTION
01	Anderson County Underground Water Conservation District	02	Barton Springs/Edwards Aquifer Conservation District
03	Coke County Underground Water Conservation District	04	Collingsworth County Underground Water Conservation District
05	Comal County Underground Water Conservation District	06	Dallam County Underground Water Conservation District No. 1
07	Edwards Underground Water District	08	Emerald Underground Water Conservation District
09	Evergreen Underground Water Conservation District	10	Fort Bend Subsidence District
11	Fox Crossing Water District	12	Glasscock County Underground Water Conservation District
13	Gonzales Underground Water Conservation District	14	Harris-Galveston Coastal Subsidence District
15	Haskell/Knox Underground Water Conservation District	16	Headwaters Underground Water Conservation District
17	Hickory Underground Water Conservation District No. 1	18	High Plains Underground Water Conservation District No. 1
19	Barton Springs/Edwards Aquifer Conservation District	20	Hudspeth County Underground Water Conservation District No. 1
21	Irion County Underground Water Conservation District	22	Jeff Davis Underground Water Conservation District
23	Lipan-Kickapoo Water Conservation District	24	Live Oak Underground Water Conservation District
25	Medina County Underground Water Conservation District	26	Mesa Underground Water Conservation District
27	North Plains Groundwater Conservation District No. 2	28	Panhandle Ground Water Conservation District No. 3
39	Permian Basin Underground Water Conservation District	30	Plateau Underground Water Conservation & Supply District
31	Plum Creek Conservation District	32	Presidio County Underground Water Conservation District
33	Real-Edwards Conservation and Reclamation District	34	Salt Fork Underground Water Conservation District
35	Sandy Land Underground Water Conservation District	36	Santa Rita Underground Water Conservation District
37	Saratoga Underground Water Conservation District	38	South Plains Underground Water Conservation District
39	Springhills Water Management District	40	Sterling County Underground Water Conservation District
41	Sutton County Underground Water Conservation District	42	Uvalde County Underground Water Conservation District

GWCODE 22 - RIVER AND WATER AUTHORITIES

CODE	DESCRIPTION	CODE	DESCRIPTION
ANRA	Angelina and Neches River Authority	BRA	Brazos River Authority
CCRA	Central Colorado River Authority	CRMWA	Canadian River Municipal Water Authority
CRMWD	Colorado River Municipal Water District	GBRA	Guadalupe-Blanco River Authority
LCRWSCA	Lower Concho River Water and Soil Conservation Authority	LCRA	Lower Colorado River Authority
LNRA	Lavaca-Navidad River Authority	LNVA	Lower Neches Valley Authority
NRA	Nueces River Authority	PDRA	Palo Duro River Authority
RRA	Red River Authority of Texas	RGVMWA	Rio Grande Valley Municipal Water Authority
RCWA	Runnels County Water Authority	SARA	San Antonio River Authority
SJRA	San Jacinto River Authority	SRA	Sabine River Authority of Texas
SRBA	Sulphur River Basin Authority	TCFWS	Titus County Fresh Water Supply District No. 1
TRA	Trinity River Authority of Texas	UCRA	Upper Colorado River Authority
UGRA	Upper Guadalupe River Authority	UNRMWA	Upper Neches River Municipal Water Authority

GWCODE 23 - COUNCILS OF GOVERNMENT

CODE	DESCRIPTION	CODE	DESCRIPTION
AACOG	Alamo Area Council of Governments	ARK-TEXCOG	Ark-Tex Council of Governments
BVDC	Brazos Valley Development Council	CAPCO	Capital Area Planning Council
CTCOG	Central Texas Council of Governments	CBCOG	Coastal Bend Council of Governments
CVCOG	Concho Valley Council of Governments	DETCOG	Deep East Texas Council of Governments
ETCOG	East Texas Council of Governments	GCRPC	Golden Crescent Regional Planning Commission
HOTCOG	Heart of Texas Council of Governments	H-GAC	Houston-Galveston Area Council of Governments
LRGVDC	Lower Rio Grande Valley Development Council	MRGDC	Middle Rio Grande Development Council
NRPC	Nortex Regional Planning Commission	NCTCOG	North Central Texas Council of Governments
PRPC	Panhandle Regional Planning Commission	PBRPC	Permian Basin Regional Planning Commission
RGCOG	Rio Grande Council of Governments	SETRPC	South East Texas Regional Planning Commission
SPAG	South Plains Association of Governments	STDC	South Texas Development Council
TCOG	Texoma Council of Governments	WCTCOG	West Central Texas Council of Governments

GWCODE 24 - DATA TYPES

CODE	DESCRIPTION
A	Altitude
AQ	Aquifer information
E	Latitude/longitude coordinates
SE	Laboratory sample analysis
SC	Sample collection
W1	Well construction information
W2	Well use information
WL	Water level information

GWCODE 25 - WELL DEPTH METHODS

CODE	DESCRIPTION
E	Estimated
L	Geophysical logging device
R	Reported
S	Steel tape measurement
Z	Other; specify in remarks

GWCODE 26 - WELL CONSTRUCTION SOURCES

CODE	DESCRIPTION
A	Reported by another government agency
B	Bid specification
D	Drillers log or report
E	Engineering plans
F	Federal well schedule
G	Private geologist-consultant or university associate
M	Memory of owner, operator, or driller
O	Reported by owner of the well
R	Written report/publication - explain in remarks
S	State well schedule
Z	Other source - explain in remarks

GWCODE 27 - AQUIFER NAME METHODS

CODE	DESCRIPTION
C	Computer database - method not indicated
D	Interpretation of drillers log
G	Interpretation of Geologic Atlas of Texas Sheet
H	Interpretation of county hydrogeologic report
L	Interpretation of geophysical log

GWCODE 27 - AQUIFER NAME METHODS

CODE	DESCRIPTION
O	Other - specify in remarks
Q	Interpretation of 7.5-minute geologic map
R	Published or unpublished report
U	Unknown
W	Well schedule

GWCODE 28 - DEPTH SOURCES

CODE	DESCRIPTION
A	Reported by another government agency, other than agency submitting data. Use "O" if reporting agency is well owner.
D	From drillers log or report
G	Private geologist-consultant or university associate.
L	Depth interpreted from geophysical logs by personnel of source agency.
M	Memory of owner, operator, driller. Depth is not documented.
O	Reported well owner, where depth is certain or documented.
R	Reported by person other than owner, driller, or other government agency; includes depths obtained from reports or publications where source of depth is unknown.
S	Measured by personnel of reporting agency
Z	Other source - explain in remarks.

GWCODE 29 - COMPLETION TYPES

VALUE	MEANING	DEFINITION
F	Gravel pack w/perforations	Drilled or dug well that has a gravel envelope opposite casing with holes or slots.
G	Gravel pack w/screen	Drilled or dug well that has a gravel envelope opposite screened casing.
H	Horizontal gallery	Well or collection system in which the screen, slotted pipe, or gravel-filled trench is horizontal; includes Ranney collectors and infiltration galleries.
L	Slotted	Well pipe with slots cut to admit water. If well is gravel packed, use "F".
O	Open-end	Well is one that is cased to the bottom of the hole so that water can enter the well only through the bottom of the hole.
P	Perforated or slotted	Well pipe with holes cut to admit water. If well is gravel packed, use "F".
S	Screen	Well pipe with commercial screen for admitting water. Includes wire mesh, wire mapped, and shutter screen. If well is gravel packed, use "G".
T	Sand point	Screened end of a drive point well; usually part of a driven well.
W	Walled	Walled or shored well, usually dug, in which walls are supported with open-jointed fieldstone, brick, tile, concrete blocks, wood cribbing, or other material. Includes a few wells with gravel walls and dug wells that are mostly open hole but have a few feet of cribbing, corrugated pipe, or other shoring to prevent caving.
X	Open hole	Well finished with an open hole in the aquifer. Includes wells where casing does not extend to geologic unit/zone from which the water is obtained.
Z	Other	Explain in remarks field.

GWCODE 30 - CONSTRUCTION METHODS

CODE	DESCRIPTION	COMMENTS
A	Air rotary	Method is one in which a stream of air is used to cool the bit and bring the rock cuttings to the surface.
B	Bored or augured	Hole is one in which the earth materials are cut and removed from the hole with an auger. Can be hand- or machine-powered.
C	Cable-tool	Refers to a well drilled by the percussion or churn-drill method, whereby a heavy drilling tool is raised and lowered with enough force to pulverize the rock. The rock debris is commonly removed from the hole with a bailer.
D	Dug	Dug holes are excavated by hand tools or power-driven digging equipment. Caissons, ranney-type collectors, and galleries belong in this classification, even though they may have laterals that are driven or jetted. Tunnels are also in this category.
H	Hydraulic rotary	Constructed by rotating a length of pipe (drill stem) equipped with a bit that cuts or grinds the rocks. Water or drilling mud is pumped down the drilling stem. Cuttings are carried to the surface in the annular space between the drilling stem and the wall of the hole.
J	Jetted	Excavated by using high-velocity streams of water pumped through a pipe having a restricted opening or "jetting" nozzle. For some types of earth materials, a cutting bit is attached to the end of the jetting pipe. The material cut or washed from the hole is carried to the surface in the annular space outside the pipe.
P	Air percussion	A cutting tool powered by compressed air. It uses a rapid percussion effect, coupled with rotary action, to drill hard rocks. Compressed air also is used to blow the cuttings from the hole. These drills are generally used in conjunction with air-rotary drilling rigs.
R	Reverse rotary	Similar to the hydraulic rotary, except that the water or drilling mud flows down the annular space between the drill stem and the wall of the hole, and the cuttings are pumped out through the drill stem.
T	Trenching	Refers to the construction of a sump or open pit from which ground water may be pumped. Trenching may be done by hand, but more commonly power equipment such as a bulldozer, dragline power shovel, or backhoe is used. Ponds and drains belong in this category.
V	Driven	Constructed by driving a length of pipe, usually of small diameter and generally equipped with a sand point, to the desired depth. The wells may be driven by hand or with power equipment. An essential feature of a driven well is that no earth material is removed during construction.
W	Drive and wash	Constructed by driving a small-diameter open-end casing a few feet into the earth, then washing out the material from inside the casing with a jet of water. The process repeats until the well has penetrated a sufficient depth into the aquifer.
Z	Other	Explain in remarks.

GWCODE 31 - CASING MATERIALS

CODE	DESCRIPTION
B	Brick
C	Concrete
D	Copper
G	Galvanized iron
I	Wrought iron
M	Other metal
P	PVC; fiberglass; other plastic
R	Rock or stone
S	Steel
T	Tile
U	Coated steel
W	Wood
Z	Other material; explain in remarks

GWCODE 32 - OPENING TYPES

CODE	DESCRIPTION
F	Fractured rock
L	Louvered or shutter-type screen
M	Mesh screen
O	Slotted casing
P	Perforated casing
R	Wire-wound screen
S	Screen - Type not known
T	Sand point
W	Walled or shored
X	Open hole
Z	Other - Explain in remarks

GWCODE 33 - SCREENING MATERIALS

CODE	DESCRIPTION
B	Brass or bronze
C	Concrete
G	Galvanized iron
I	Wrought iron
M	Other metals
P	PVC, fiberglass, or other plastic
R	Stainless steel
S	Steel
T	Tile
Z	Other - Explain in remarks

GWCODE 34 - LIFT TYPES

CODE	DESCRIPTION	COMMENTS
A	Airlift	Jet of air pumped below the water table cause stream of mixed air and water to issue from well
B	Bucket	Bucket or small bailer lifted by rope or chain
C	Centrifugal pump	Have rotating impellers in a closed chamber that draw the water into the pump. Water is then discharged from pump by centrifugal force. Discharge commonly under great pressure. Such pumps have maximum lift of about 25 feet but can force water to considerable heights above the pump.
J	Jet pump	Pump has two pipes extending from the pump into the well. One pipe forces water down the hole under pressure, while the other pipe discharges water that has been forced to the surface by the action of the jet.
N	None	No pump
P	Piston pump	Pump includes the familiar lift and pitcher pumps common in many rural areas. The old "reciprocating" pumps and the "deep-well with walking-beam jacks" are of the piston type.
R	Rotary pump	Pump operates on the principle that direct pressure is created by squeezing the water between specially designed runners. A relatively high vacuum may be created on the intake side, so the suction lift is comparable to that for centrifugal pumps.
S	Submersible pump	Pump is a special type of turbine in which an electric motor is connected directly to the impellers and submersed beneath the water. It can be recognized by the presence of insulated electric wire leading into the well and the absence of any pump or power unit at the surface.
T	Turbine pump	A series of impellers, placed below the surface of the water, are rotated by a vertical shaft connected to a power source at the land surface. These impellers "pick up" the water and force it to the surface through the pump column. Such pumps are commonly used to lift large amounts of water at high pressure. They are usually used in high-capacity wells.
U	Unknown	Use only if the site is equipped with a pump about which other data are available, but the type of pump cannot be identified.
Z	Other	Explain in remarks.

GWCODE 35 - LIFT POWER TYPES

CODE	DESCRIPTION
D	Diesel engine
E	Electric motor
G	Gasoline engine
H	Hand
L	LP-gas (propane or butane) engine
N	Natural-gas engine
W	Windmill
Z	Other - Explain in remarks

GWCODE 36 - YIELD METHODS

CODE	DESCRIPTION
A	Acoustic (transient-time) meter
B	Bailer
C	Current meter
D	Doppler meter
E	Estimated
F	Flume
M	Totaling meter
O	Orifice
P	Pitot-tube meter
R	Reported - Method unknown
T	Trajectory (free-fall) method
U	Venturi meter
V	Volumetric measurement - Bucket/barrel and watch
W	Weir
Z	Other - Explain in remarks

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
318ADML	Admiral Formation	211AGUJ	Aguja Formation
313ALBS	Alibates Dolomite Lentil of Quartermaster Formation	400ALMR	Allamoore Limestone
110ALRS	Allurosa aquifer	110AVCP	Alluvial channel and plain deposits
110ACPA	Alluvial channel and plain deposits, and Artesia Group	111AGHC	Alluvial deposits, Glen Rose Limestone, Hensell and Cow Creek Members
100ALVM	Alluvium	110AVAN	Alluvium and Antlers Sand
110AVAD	Alluvium, Antlers Sand and Dockum Formation	110AASP	Alluvium, Antlers Sand, and Permian System
110AVAR	Alluvium and Arroyo Formation	110AVMA	Alluvium and Artesia Group
110AVAU	Alluvium and Austin Chalk	110AVBL	Alluvium and Blaine Gypsum
110AVBO	Alluvium and Blossom Sand	110AVCY	Alluvium and Canyon Group
110AVCZ	Alluvium and Carrizo Sand	110AVCT	Alluvium and Catahoula Tuff
110AVMC	Alluvium and Chinle Formation Equivalent	110AVCH	Alluvium and Choza Formation
110AVCB	Alluvium, Choza Formation, and Bullwagon Dolomite	110AVCG	Alluvium and Cisco Group
110AVCF	Alluvium and Clear Fork Group	110AVCM	Alluvium and Cook Mountain Formation
110AVCC	Alluvium and Cretaceous rocks	110AVDP	Alluvium, Dockum Formation and Permian System
110AVME	Alluvium and Edwards and associated limestones	110AVET	Alluvium, Edwards and associated limestones, and Trinity sands
110AVEV	Alluvium and Evangeline aquifer	110AFTA	Alluvium, fluvial terrace deposits, and Artesia Group
110AFTP	Alluvium, fluvial terrace deposits, and Pease River Group	110AVTF	Alluvium, Fredericksburg Group, and Trinity sands
110AVGR	Alluvium and Glen Rose Limestone	110AVGL	Alluvium and Goliad Sand
110AHTW	Alluvium, high terrace deposits, and Whitehorse Group	110AVJK	Alluvium and Jackson Group
110AVML	Alluvium and Leona Formation	110AVLA	Alluvium, Leona Formation, and Austin Chalk
110ALWX	Alluvium, Leona Formation, and Wilcox Group	110AVLS	Alluvium and Lissie Sand
110ALTD	Alluvium, low terrace and channel fill deposits, and dune sand	110AVLC	Alluvium and Lower Cretaceous rocks
110AVMF	Alluvium and Marble Falls Limestone	110AVMS	Alluvium and Mount Selman Formation
110AVNC	Alluvium and Nacatoch Sand	110AVNV	Alluvium and Navarro Group
110AVOV	Alluvium and Oakville Sandstone	110AVOG	Alluvium and Ogallala Formation
110AVPX	Alluvium and Paluxy Sand	110ATPP	Alluvium, Paluxy Sand, and Travis Peak Formation
110AVPR	Alluvium and Pease River Group	110AVPS	Alluvium and Permian System
110AVQC	Alluvium and Queen City Sand	110AVQW	Alluvium, Queen City Sand, and Wilcox Group
110AVRF	Alluvium and Reklaw Formation	110AVRS	Alluvium and Rustler Formation
110AVSR	Alluvium and Santa Rosa Sandstone	110AVSB	Alluvium and Simsboro Formation
110AVSS	Alluvium and Sparta Sand	110AVSQ	Alluvium, Sparta Sand, and Queen City Sand

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
110AVST	Alluvium and Strawn Group	110AVTY	Alluvium and Taylor Group
110AVTS	Alluvium, terrace deposits and Seymour Formation	110ATSF	Alluvium, terrace deposits and Seymour Formation, and Flowerpot Shale
110ATSB	Alluvium, terrace deposits and Seymour Formation, and Blaine Formation	110ASCF	Alluvium, terrace deposits and Seymour Formation, and Clear Fork Group
110ASSA	Alluvium, terrace deposits and Seymour Formation, and San Angelo Sandstone	110AVTV	Alluvium and Tertiary volcanics
110AVTP	Alluvium and Travis Peak Formation	110AVMT	Alluvium and Triassic System
110AVTR	Alluvium and Trinity sand	110AVVL	Alluvium and Vale Formation
110AVMW	Alluvium and Wichita Group	110AVWX	Alluvium and Wilcox Group
110AVYG	Alluvium and Yegua Formation	367ALST	Alstate Shale
112ALLM	Alta Loma Sand	313ALTD	Altuda Formation
211ANCC	Anacacho Limestone	211ACCE	Anacacho Limestone and Escondido Formation
123ANHC	Anahuac Formation	211ANNN	Annuna Chalk
218ALRS	Antlers Sand	218ASDG	Antlers Sand and Dockum Formation
218ALSP	Antlers Sand and Pennsylvanian rocks	218ANTP	Antlers Sand and Permian rocks
NOT-APPL	Aquifer code is not applicable to this well	UNKNOWN	Aquifer not able to be determined
319ARCT	Archer City Formation	124ARP	Arp Sand Member of Reklaw Formation
318ARRY	Arroyo Formation	313ARTS	Artesia Group
211ASTN	Austin Chalk	211AEFB	Austin Chalk, Eagle Ford Shale and Buda Limestone
211AEDD	Austin Chalk, and Edwards and associated limestones	321AVIS	Avis Sandstone
110BILD	Barrier island deposits	120BSLT	Basalt
112BMNT	Beaumont Formation	112BMLG	Beaumont Formation, Lissie Formation and Goliad Sand
112BMLS	Beaumont and Lissie Formations	313BLCN	Bell Canyon Formation
318BLPL	Belle Plains Formation	320BEND	Bend Group
124BFCS	Bigford Formation and Carrizo Sand	124BGDF	Bigford Formation of Claiborne Group
230BSST	Bissett Conglomerate	313BLIN	Blaine Gypsum
313BSAG	Blaine Gypsum and San Angelo Sandstone	121BLNC	Blanco Formation
371BLSS	Bliss Sandstone	211BLSM	Blossom Sand
318BSPG	Bone Spring Limestone	318BSVP	Bone Spring and Victoria Peak Limestones
211BNHM	Bonham Marl	211BQLS	Boquillas Formation
324BZRVL	Brazos River Conglomerate Member, Lower Part of Garner Formation	324BZRUV	Brazos River Conglomerate Member, Upper Part of Garner Formation
313BRSC	Brushy Canyon Formation	211BUDA	Buda Limestone
211BEGF	Buda Limestone and Eagle Ford Shale	211BLWG	Buda Limestone and Washita Group

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
318BLGN	Bullwagon Dolomite Member of Vale Formation	122BKVL	Burkeville aquiclude
361BRNM	Burnam Limestone	124CABF	Calvert Bluff Formation
124CBSB	Calvert Bluff Formation and Simsboro Sand Member	370CMBR	Cambrian System
124CRVR	Cane River Formation	321CNCS	Canyon and Cisco Groups
321CNYN	Canyon Group	313CPTN	Capitan Limestone
313CRCX	Capitan Reef Complex and associated limestones	313CRDM	Capitan Reef Complex - Delaware Mountain Group
313CLBD	Carlsbad Limestone	124CRRZ	Carrizo Sand
124CZCB	Carrizo Sand and Calvert Bluff Formation	124CZCSB	Carrizo Sand, Calvert Bluff Formation and Simsboro Formation
124CZSB	Carrizo Sand and Simsboro Sand Member of Rockdale Formation	124CZWX	Carrizo Sand and Wilcox Group, undifferentiated
124CZWA	Carrizo-Wilcox aquifer	312CSTL	Castile Gypsum
122CTHL	Catahoula Formation	122CJCK	Catahoula Tuff and Jackson Group
318CDLM	Cathedral Mountain Formation	100PECS	Cenozoic Pecos Alluvium
100CPCR	Cenozoic Pecos Alluvium and Cretaceous rocks	100CPDG	Cenozoic Pecos Alluvium and Dockum Formation
100CPDR	Cenozoic Pecos Alluvium, and Dockum and Rustler Formations	100CPCRL	Cenozoic Pecos Alluvium and Lower Cretaceous rocks
330CPPL	Chappel Formation	313CRCN	Cherry Canyon Formation
112CHCT	Chicot aquifer	112CHCTL	Chicot aquifer, lower
112CLEV	Chicot aquifer and lower unit of Evangeline aquifer	112CHCTM	Chicot aquifer, middle
112CHCTU	Chicot aquifer, upper	112CEVG	Chicot and Evangeline aquifers
313CLDR	Childress Dolomite Member of Grayburg Formation	231CHNL	Chinle Formation
231CHNLE	Chinle Formation equivalent	211CHSS	Chisos Volcanics
318CHOZ	Choza Formation	318CZBW	Choza Formation and Bullwagon Dolomite
318CZVL	Choza and Vale Formations	321CSCO	Cisco Group
124CLBR	Claiborne Group	121CLRD	Clarendon Beds
318CLFK	Clear Fork Group	318CLYD	Clyde Formation
319CMJC	Coleman Junction Limestone Member of Putnam Formation	321CCPS	Colony Creek and Placid Shales
321CLCK	Colony Creek Shale	321CCRP	Colony Creek Shale, Ranger Limestone, and Placid Shale
218CMPK	Comanche Peak Limestone	124CKMN	Cook Mountain Formation
124CKMC	Cook Mountain Formation and Carrizo Sand	124CKMS	Cook Mountain Formation and Sparta Sand
211CRSC	Corsicana Marl	120CSPG	Cottonwood Spring Basalt
218CCRK	Cow Creek Limestone	218COX	Cox Sandstone
210CCSR	Cretaceous rocks and Santa Rosa Sandstone	210CRCS	Cretaceous System

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
124CPRS	Cypress aquifer	371DGFL	Dagger Flat Sandstone
211DKOP	Dakota Group and Purgatoire Formation	211DKPJ	Dakota Group, Purgatoire Formation, and Jurassic rocks
211DKOT	Dakota Sandstone or Formation	218DLCM	Del Carmen Limestone
211DLRO	Del Rio Clay	313DLRM	Delaware Mountain Formation or Group
313DMBS	Delaware Mountain Group - Bone Spring Limestone	218DVRV	Devils River Limestone
340DVNN	Devonian System	312DYLK	Dewey Lake red beds
112DVLL	Deweyville Formation	211DXTR	Dexter Member of Woodbine Sand
124DBLL	Diboll Member of Jackson Formation	320DMPL	Dimple Limestone
231DCKM	Dockum Formation	230DCKO	Dockum Formation and Ochoa Series
231DCKP	Dockum Formation and Permian rocks	231DCKW	Dockum Formation and Whitehorse Group
231DCKR	Dockum and Rustler Formations	313DGCK	Dog Creek Shale
313DCKB	Dog Creek Shale and Blaine Gypsum	313DCBF	Dog Creek Shale, Blaine Gypsum, and Flowerpot Shale
313DBLM	Double Mountain Group	313DOZR	Dozier Sandstone Member of Rush Springs Formation
124DUBS	Dubose Sands and Clays	218DKCK	Duck Creek Limestone
120DUFF	Duff Formation	110DUNE	Dune sand
110DOGL	Dune sand and Ogallala Formation	211DRNG	Durango Sand Member of Taylor Marl
211EGFD	Eagle Ford Shale	211EGFA	Eagle Ford Shale and Austin Chalk
324ESMN	East Mountain Shale Member of Mineral Wells Formation	218EDRDA	Edwards and associated limestones
218EBFZA	Edwards and associated limestones - (Balcones Fault Zone aquifer)	218EDAD	Edwards and associated limestones, Antlers Sand, and Dockum Formation
218EDAS	Edwards and associated limestones and Antlers Sand	218EBEF	Edwards and associated limestones, Buda Limestone and Eagle Ford Shale
218EEGF	Edwards and associated limestones, and Eagle Ford Shale	218EDGR	Edwards and associated limestones, and Glen Rose Limestone
218EDDH	Edwards and associated limestones, and Hosston Formation	218EDLP	Edwards and associated limestones, and Paluxy Sand
218EDPM	Edwards and associated limestones, and Permian System	218EDDT	Edwards and associated limestones, and Trinity Group
218EDGRU	Edwards and associated limestones, and Upper Member of Glen Rose Limestone	218EDRD	Edwards Limestone
367ELPS	El Paso Limestone	124ELPC	El Pico Clay
367ELBG	Ellenburger Group	367EBCR	Ellenburger Group and Cambrian rocks
367EBHK	Ellenburger Group and Hickory Sandstone	367EBPH	Ellenburger Group and post-Hickory Sandstone Cambrian rocks
367EBSS	Ellenburger Group and San Saba aquifer	111EOLN	Eolian deposits
211ELSS	Eules Member of Woodbine Sand	121EVGL	Evangeline aquifer
121EVBV	Evangeline aquifer and Burkeville aquiclude	121EVJPU	Evangeline aquifer and upper unit of Jasper aquifer
121EVJP	Evangeline and Jasper aquifers	221EXTR	Exeter Sandstone

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
218FNLY	Finlay Limestone	122FLMG	Fleming Formation
122FBKV	Fleming Formation and Burkeville aquiclude	111FPTC	Floodplain and terrace deposits
313FLRP	Flowerpot Shale	313FPSA	Flowerpot Shale and San Angelo Sandstone
364FRPN	Fort Pena Formation	364FRPM	Fort Pena Formation and Marathon Limestone
218FRWR	Fort Worth Limestone	218FKBG	Fredericksburg Group
218FGAS	Fredericksburg Group and Antlers Sand	218FRGR	Fredericksburg Group and Glen Rose Limestone
218FKBT	Fredericksburg and Trinity Groups	123FRIO	Frio Clay
321GPNK	Gaptank Formation	324GRNR	Garner Formation
218GRGN	Georgetown Limestone	313GTWY	Getaway Limestone Member of Cherry Canyon Formation
313GLLM	Gilliam Limestone	218GPSH	Glen Rose (Lower), Pearsall (Hensell, Cow Creek Members),Sligo and Hosston Formations
218GLRS	Glen Rose Limestone	218GLRH	Glen Rose Limestone and Hensell Member of Pearsall Formation
218GRHH	Glen Rose Limestone, Hensell Sand and Hosston Formation	218GRHC	Glen Rose Limestone, and Hensell Sh and Cow Creek Limestone Members of Pearsall Formation
218GLRSL	Glen Rose Limestone, Lower Member	218GLRP	Glen Rose Limestone and Pearsall Formation
218GLRT	Glen Rose Limestone and Trinity sand, undifferentiated	218GRTM	Glen Rose Limestone and Twin Mountains Formation
218GLRSU	Glen Rose Limestone, Upper Member	310GLRT	Glorieta Sandstone
313GTSP	Goat Seep Limestone	211GOBR	Gober Tongue of Austin Chalk
112GOLD	Goliad Formation and younger deposits, undifferentiated	112GDLG	Goliad Formation and younger deposits, and Lagarto Clay
121GOLD	Goliad Sand	121GDLG	Goliad Sand and Lagarto Clay
321GZCK	Gonzales Creek Member	321GCCC	Gonzales Creek Member and Colony Creek Shale
218GDLD	Goodland Limestone	120GDNG	Goodnight Formation
367GRMN	Gorman Formation	321GRHM	Graham Formation
321GFCC	Graham Formation and Colony Creek Shale	211GRRS	Graneros Shale
313GRBG	Grayburg Formation	321GRFD	Grayford Formation
211GRSN	Grayson Shale	112GRBL	Green River Bolson
112GLFC	Gulf Coast aquifer	212GLFN	Gulfian Series
218HMMT	Hammett Shale	321HPVL	Harpersville Formation
327HMND	Haymond Formation	400HZEL	Hazel Sandstone
313HGLR	Hegler Limestone Member of Cherry Canyon Formation	330HLMS	Helms Formation
218HCSH	Hensell and Cow Creek Members of Pearsall Formation, and Sligo and Hosston Formations	218HSCC	Hensell Sand and Cow Creek Limestone
218HNHS	Hensell Sand and Hosston Formation	218HNSL	Hensell Sand Member of Travis Peak Formation
218HEPF	Hensell Sand and Pearsall Formation	318HESS	Hess Limestone Member of Leonard Formation

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
371HCKR	Hickory Sandstone	111ALVM	Holocene alluvium
111HPPA	Holocene, Pleistocene, and Pliocene alluvial deposits	111HLCN	Holocene Series
321HMCK	Home Creek Limestone	367HNCT	Honeycut Formation
124HOOP	Hooper Formation	217HSTN	Hosston Formation
217HSCC	Hosston Formation and Cow Creek Limestone	112HCBL	Hueco Bolson deposits
319HUCO	Hueco Limestone	120IGNS	Igneous rocks
210CIGR	Igneous rocks (Cretaceous)	124INDO	Indio Formation
124IDEC	Indio Formation and Escondido Formation	111IGLD	Ingleside Formation
120IVIG	Intrusive rocks	124JCKS	Jackson Group
124JKYG	Jackson Group and Yegua Formation	122JSPR	Jasper aquifer
122JBKV	Jasper aquifer and Burkeville aquiclude	122JPCL	Jasper aquifer and Catahoula Sandstone
122JPJK	Jasper aquifer and Jackson Group	122JSPRL	Jasper aquifer, lower unit
122JSPRU	Jasper aquifer, upper unit	220JRSC	Jurassic System
211KEMP	Kemp Clay	218KMCH	Kiamichi Formation
112LMBL	La Mesa Bolson deposits	122LGRT	Lagarto Clay
122LOKV	Lagarto Clay and Oakville Sandstone	122LOVC	Lagarto Clay, Oakville Sandstone and Catahoula Formation
324LKPN	Lake Pinto Sandstone Member of Mineral Wells Formation	313LAMR	Lamar Limestone Member of Bell Canyon Formation
124LRDO	Laredo Formation	112LEON	Leona Formation
112LACC	Leona Formation and Anacacho Limestone	112LNAN	Leona Formation and Antlers Sands
112LNAS	Leona Formation and Austin Chalk	112LNBL	Leona Formation and Blaine Gypsum
112LBLG	Leona Formation and Bullwagon Dolomite	112LNCZ	Leona Formation and Choza Formation
112LEGF	Leona Formation and Eagle Ford Shale	112LEDD	Leona Formation, and Edwards and associated limestones
112LGLR	Leona Formation and Glen Rose Limestone	112LNID	Leona Formation and Indio Formation
112LSRP	Leona Formation and serpentine	112LNTR	Leona Formation and Trinity Group
112LWCX	Leona Formation and Wilcox Group	211LSVL	Lewisville Member of Woodbine Sand
218FKBW	Limestones of Fredericksburg and Washita Groups	218FWGR	Limestones of Fredericksburg, Washita, and Upper Glen Rose
371LNMN	Lion Mountain Sandstone	112LISS	Lissie Formation
112LGLD	Lissie Formation and Goliad Sand	112LWGD	Lissie Formation, Willis Sand and Goliad Sand
400LLNO	Llano Series	217CRCSL	Lower Cretaceous Series
218GRCCU	Lower Glen Rose and Cow Creek Limestones	218LGR LH	Lower Glen Rose and Hosston Formation
218GRLH	Lower Glen Rose Limestone, and Hensell Shale Members of Pearsall Formation	300PLZCL	Lower Paleozoic rocks

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
112LRGD	Lower Rio Grande aquifer	218MNSR	Main Street Limestone
221MLON	Malone Formation	124MNNG	Manning Formation of Jackson Group
313MNZN	Manzanita Limestone Member of Cherry Canyon Formation	367MRTN	Marathon Limestone
320MBLF	Marble Falls Limestone	327MFEB	Marble Falls Limestone and Ellenburger Group
327MFEH	Marble Falls Limestone, Ellenburger Group, and Hickory Sandstone	321MARK	Markley Formation
218MXON	Maxon Sandstone	313MCMB	McCombs Limestone Member of Bell Canyon
120MCCC	McCutcheon Volcanic Series	112MCSB	Mercedes-Sebastian aquifer
112MSBL	Mesilla Bolson aquifer	125MEXI	Mexia Member of Wills Point Formation
125MDWY	Midway Group	324MWBR	Mineral Wells and Brazos River Formations
324MLWL	Mineral Wells Formation	330MSSP	Mississippian System
120MCLM	Mitchell Mesa Rhyolite	110MNNS	Monahans Formation
361MNTY	Montoya Limestone	319MORN	Moran Formation
371MGCK	Morgan Creek Limestone Member of Wilberns Formation	371MWLM	Morgan Creek Limestone and Welge and Lion Mountain Sandstones
371MCWG	Morgan Creek Limestone and Welge Sandstone	221MORS	Morrison Formation
123MSLM	Mount Selman Formation	124MSCZ	Mount Selman Formation and Carrizo Sand
211NCTC	Nacatoch Sand	211NVRR	Navarro Group
211NVTY	Navarro and Taylor Groups	211NLDV	Neylandville Marl
111NCRV	Nueces River alluvium	122OKVL	Oakville Sandstone
122OKVC	Oakville Sandstone and Catahoula Tuff	122OVCI	Oakville Sandstone, Catahoula Tuff and Jackson Group
312OCHO	Ochoan Series	312OCAR	Ochoan Series and Artesia Group
121OGLL	Ogallala Formation	121OGAL	Ogallala Formation and Antlers Sand
121OGCD	Ogallala Formation, Cretaceous rocks and Dockum Formation	121OGLD	Ogallala Formation and Dakota Group
121ODPJ	Ogallala Formation, Dakota Group, Purgatoire Formation, and Jurassic rocks	121OGDP	Ogallala Formation, Dakota Group, and Purgatoire Formation
121OGDK	Ogallala Formation and Dockum Group	121OGFG	Ogallala Formation and Fredericksburg Group
121OGFA	Ogallala Formation, Fredericksburg Group, and Antlers Sand	121OGPJ	Ogallala Formation, Purgatoire Formation, and Jurassic rocks
121OGLW	Ogallala Formation and Whitehorse Group	121OGLM	Ogallala and Morrison Formations
121OGLP	Ogallala and Purgatoire Formations	212OLMS	Olmos Formation
124OLMS	Olmos Sand	124OMEN	Omen Member of Mount Selman Formation
360ODVC	Ordovician System	400PCKD	Packsaddle Schist
300PLZC	Paleozoic Erathem	321PLPT	Palo Pinto Formation
321PPTC	Palo Pinto Formation and Turkey Creek Sandstone	321PLPN	Palo Pinto Limestone

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
218PLXP	Paluxy Formation and Permian rocks	218PLXY	Paluxy Sand
218PXGR	Paluxy Sand and Glen Rose Limestone	218PTPH	Paluxy Sand, Travis Peak and Hosston Formations
218PXTM	Paluxy and Twin Mountains Formations	218PWPW	Pawpaw Formation
218PRSL	Pearsall Formation	218PRHF	Pearsall and Hosston Formations
218PSGH	Pearsall, Sligo, and Hosston Formations	211PCGP	Pecan Gap Chalk Member of Taylor Marl
112PECSA	Pecos aquifer	100PCOS	Pecosian Series
212PEN	Pen Formation	320PSLV	Pennsylvanian System
310PRMN	Permian System	318PTRL	Petrolia Formation
313PNRY	Pinery Limestone Member of Cherry Canyon Formation	321PLCD	Placid Shale
321PWWM	Placid Shale, Winchell Limestone, and Wolf Mountain Shale	321PSWM	Placid Shale and Wolf Mountain Formation
112PLSC	Pleistocene Series	112PCPC	Pleistocene-Pliocene Series
371PNPK	Point Peak Shale Member of Wilberns Formation	321PSDN	Posideon Shale
124PBGF	Post-Bigford Beds of Mount Selman Formation	371PHCK	Post-Hickory Sandstone rocks
120PTHL	Potato Hill Andesite	400PCMB	Precambrian Erathem
400GRNT	Precambrian Granite	112PRBL	Presidio and Redford Bolsons
120PRTT	Pruett Formation	319PUBL	Pueblo Formation
217PRGR	Purgatoire Formation	217PGTM	Purgatoire and Morrison Formations
319PTNM	Putnam Formation	310QRRM	Quartermaster Formation
310QRMW	Quartermaster Formation and Whitehorse Group	110ALVM	Quaternary alluvium
110QRNR	Quaternary System	124QCCZ	Queen City Sand and Carrizo Sand
124QCCW	Queen City Sand, Carrizo Sand and Wilcox Group	124QNCT	Queen City Sand of Claiborne Group
124QCRK	Queen City Sand and Reklaw Formation	124QCRCZ	Queen City Sand, Reklaw Formation and Carrizo Sand
124QCSP	Queen City Sand and Sparta Sand	124QCWX	Queen City Sand and Wilcox Group
313QUEN	Queen Formation	313RDER	Rader Limestone Member of Cherry Canyon Formation
318RINY	Rainey Limestone Member of Arroyo Formation	321RNGR	Ranger Limestone
211RDBC	Red Branch Member of Woodbine Sand	112RLBL	Red Light Draw Bolson
111RDRV	Red River alluvium	124RK CZ	Reklaw Formation and Carrizo Sand
124RKLW	Reklaw Formation of Claiborne Group	124RKWX	Reklaw Formation and Wilcox Group
371RILY	Riley Formation	124RCKD	Rockdale Formation
371RESH	Rocks between Ellenburger-San Saba aquifer and Hickory Sandstone Member, Riley Formation	312RSLR	Rustler Formation
312SLDO	Salado Formation	112SLBL	Salt Bolson aquifer

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
112SBCRC	Salt Bolson deposits and Capitan Reef Complex	112SBCS	Salt Bolson deposits and Cox Sandstone
112SBCR	Salt Bolson deposits and Cretaceous rocks	112SBDM	Salt Bolson deposits and Delaware Mountain Group
112SBLP	Salt Bolson deposits and Permian rocks	112SBTV	Salt Bolson deposits and Tertiary volcanics
313SADR	San Andres Limestone	318SAGL	San Angelo Sandstone
318SACZ	San Angelo Sandstone and Choza Formation	211SCRL	San Carlos Formation
211SMGL	San Miguel Formation	371SNSB	San Saba Limestone
218SNEL	Santa Elena Limestone	112SNTF	Santa Fe Formation
231SNRS	Santa Rosa Sandstone	231SRSA	Santa Rosa Sandstone and San Andres Limestone
313SVRV	Seven Rivers Formation	112SYCZ	Seymour and Choza Formations
112SYMR	Seymour Formation	112SCFX	Seymour Formation and Clear Fork Group
120SPCN	Sheep Canyon Basalt	350SLRN	Silurian System
124SBHP	Simsboro Sand Member and Hooper Formation	124SMBR	Simsboro Sand Member of Rockdale Formation
217SLGO	Sligo Formation	219SLGH	Sligo and Hosston Formations
320SMCK	Smithwick Shale	313SWLS	South Wells Limestone Member of Cherry Canyon Formation
124SPRT	Sparta Sand	124SPCZ	Sparta Sand and Carrizo Sand
124SPQC	Sparta Sand and Queen City Sand	124SPSP	Sparta Sand and Spiller Sand Member of Cook Mountain Formation
124SPWX	Sparta Sand and Wilcox Group	124SPLR	Spiller Sand Member of Cook Mountain Formation
318SDPP	Standpipe Limestone Member of Arroyo Formation	124SNSC	Stone Switch Sand
324STRN	Strawn Group	111STGV	Stream and terrace gravel
218SCMR	Sycamore Sand Member of Travis Peak Formation	313TNSL	Tansill Formation
367TNRD	Tanyard Formation	211TYLR	Taylor Marl
231TCVS	Tecovas Formation	125THCN	Tehuacana Member of Kincaid Formation
211TMPL	Templeton Member of Woodbine Sand	211TRLG	Terlingua Clay
110TBLC	Terra Blanca Formation	110TRRC	Terrace deposits
112TRCL	Terrace gravel, including Leona Formation	120TRTR	Tertiary System
327TSNS	Tesnus Formation	312TSSY	Tessey Limestone
321TRFT	Thrifty Formation	321TFGM	Thrifty and Graham Formations
218TVPK	Travis Peak Formation	218TPPX	Travis Peak Formation and Paluxy Sand
218TPFP	Travis Peak Formation and Pennsylvanian rocks	218TVPH	Travis Peak and Hosston Formations
230TRSC	Triassic System	218TRNT	Trinity Group
218TRBL	Trinity Group and Blaine Gypsum	218TPLX	Trinity and Paluxy Sand

GWCODE 37 - AQUIFERS (SORTED BY DESCRIPTION)

CODE	DESCRIPTION	CODE	DESCRIPTION
111TRRV	Trinity River alluvium	218TRCL	Trinity sand and Chinle Formation equivalent
218TSEB	Trinity sand and Ellenburger Group	218TRGM	Trinity sand and Graham Formation
218TGHC	Trinity sand, Graham Formation and Home Creek Limestone	218THCK	Trinity sand and Home Creek Limestone
218TSPU	Trinity sand and Pennsylvanian System undifferentiated	230TRJL	Trujillo Formation
112TULE	Tule Formation	324TKCK	Turkey Creek Sandstone
218TWMT	Twin Mountains Formation	218TWMW	Twin Mountains and Mineral Wells Formations
124TYLR	Tyler Greensand Member of Sparta Sand	211CRCSU	Upper Cretaceous Series
218GRHCU	Upper Glen Rose, Hensell, and Cow Creek Members of Pearsall Formation	221JRSCU	Upper Jurassic Series
300PLZCU	Upper Paleozoic rocks	321PSLVU	Upper Pennsylvanian Series
218GRUH	UpperGlen Rose Limestone, and Hensell Shale Members of Pearsall Formation	121UVLD	Uvalde Gravel
121UVDA	Uvalde Gravel and Austin Chalk	318VALE	Vale Formation
400VSPG	Valley Spring Gneiss	400VNHR	Van Horn Sandstone
123VKBG	Vicksburg Group	318VCPK	Victorio Peak Limestone
120VLCC	Volcanics	218WLNT	Walnut Clay
218WSHT	Washita Group	124WCHS	Weches Formation of Claiborne Group
371WGLH	Welge, Lion Mountain, and Hickory Sandstones	371WGLM	Welge and Lion Mountain Sandstones
371WELG	Welge Sandstone	124WLBR	Wellborn Sandstone
218WENO	Weno Limestone	313WTRS	Whitehorse Group
313WDCB	Whitehorse Group, and Dog Creek and Blaine Formations	318WCCC	Wichita and Cisco Groups
318WCHT	Wichita Formation or Group	371WLBR	Wilberns Formation
124WLCX	Wilcox Group	124WXSB	Wilcox Group and Simsboro Sand Member of Rockdale Formation
124WXMW	Wilcox and Midway Groups	112GOWS	Willis and Goliad Sands
112WLLS	Willis Sand	125WLSP	Wills Point Formation
321WNCL	Winchell Limestone	321WFMP	Wolf Mountain and Posideon Shales
321WLFM	Wolf Mountain Shale	321WMPP	Wolf Mountain Shale, Posideon Shale, and Palo Pinto Limestone
319WFMP	Wolfcamp Formation	211WLFC	Wolfe City Sand Member of Taylor Marl
212WBPX	Woodbine and Paluxy Formations	212WDBN	Woodbine Sand
212WBPH	Woodbine Sand, and Paluxy and Hosston Formations	212WDBT	Woodbine Sand and Trinity Group
364WDHL	Woods Hollow Shale	313WORD	Word Formation
313YTES	Yates Formation	124YGCM	Yegua and Cook Mountain Formations
124YEGU	Yegua Formation	124YCMS	Yegua Formation, Cook Mountain Formation and Sparta Sand
124YGJK	Yegua Formation and Jackson Group	124YGSP	Yegua Formation and Sparta Sand

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
100ALVM	Alluvium	100CPCR	Cenozoic Pecos Alluvium and Cretaceous rocks
100CPCRL	Cenozoic Pecos Alluvium and Lower Cretaceous rocks	100CPDG	Cenozoic Pecos Alluvium and Dockum Formation
100CPDR	Cenozoic Pecos Alluvium, and Dockum and Rustler Formations	100PCOS	Pecosian Series
100PECS	Cenozoic Pecos Alluvium	110AASP	Alluvium, Antlers Sand, and Permian System
110ACPA	Alluvial channel and plain deposits, and Artesia Group	110AFTA	Alluvium, fluvial terrace deposits, and Artesia Group
110AFTP	Alluvium, fluvial terrace deposits, and Pease River Group	110AHTW	Alluvium, high terrace deposits, and Whitehorse Group
110ALRS	Allurosa aquifer	110ALTD	Alluvium, low terrace and channel fill deposits, and dune sand
110ALVM	Quaternary alluvium	110ALWX	Alluvium, Leona Formation, and Wilcox Group
110ASCF	Alluvium, terrace deposits and Seymour Formation, and Clear Fork Group	110ASSA	Alluvium, terrace deposits and Seymour Formation, and San Angelo Sandstone
110ATPP	Alluvium, Paluxy Sand, and Travis Peak Formation	110ATSB	Alluvium, terrace deposits and Seymour Formation, and Blaine Formation
110ATSF	Alluvium, terrace deposits and Seymour Formation, and Flowerpot Shale	110AVAD	Alluvium, Antlers Sand and Dockum Formation
110AVAN	Alluvium and Antlers Sand	110AVAR	Alluvium and Arroyo Formation
110AVAU	Alluvium and Austin Chalk	110AVBL	Alluvium and Blaine Gypsum
110AVBO	Alluvium and Blossom Sand	110AVCB	Alluvium, Choza Formation, and Bullwagon Dolomite
110AVCC	Alluvium and Cretaceous rocks	110AVCF	Alluvium and Clear Fork Group
110AVCG	Alluvium and Cisco Group	110AVCH	Alluvium and Choza Formation
110AVCM	Alluvium and Cook Mountain Formation	110AVCP	Alluvial channel and plain deposits
110AVCT	Alluvium and Catahoula Tuff	110AVCY	Alluvium and Canyon Group
110AVCZ	Alluvium and Carrizo Sand	110AVDP	Alluvium, Dockum Formation and Permian System
110AVET	Alluvium, Edwards and associated limestones, and Trinity sands	110AVEV	Alluvium and Evangeline aquifer
110AVGL	Alluvium and Goliad Sand	110AVGR	Alluvium and Glen Rose Limestone
110AVJK	Alluvium and Jackson Group	110AVLA	Alluvium, Leona Formation, and Austin Chalk
110AVLC	Alluvium and Lower Cretaceous rocks	110AVLS	Alluvium and Lissie Sand
110AVMA	Alluvium and Artesia Group	110AVMC	Alluvium and Chinle Formation Equivalent
110AVME	Alluvium and Edwards and associated limestones	110AVMF	Alluvium and Marble Falls Limestone
110AVML	Alluvium and Leona Formation	110AVMS	Alluvium and Mount Selman Formation
110AVMT	Alluvium and Triassic System	110AVMW	Alluvium and Wichita Group
110AVNC	Alluvium and Nacatoch Sand	110AVNV	Alluvium and Navarro Group
110AVOG	Alluvium and Ogallala Formation	110AVOV	Alluvium and Oakville Sandstone
110AVPR	Alluvium and Pease River Group	110AVPS	Alluvium and Permian System
110AVPX	Alluvium and Paluxy Sand	110AVQC	Alluvium and Queen City Sand

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
110AVQW	Alluvium, Queen City Sand, and Wilcox Group	110AVRF	Alluvium and Reklaw Formation
110AVRS	Alluvium and Rustler Formation	110AVSB	Alluvium and Simsboro Formation
110AVSQ	Alluvium, Sparta Sand, and Queen City Sand	110AVSR	Alluvium and Santa Rosa Sandstone
110AVSS	Alluvium and Sparta Sand	110AVST	Alluvium and Strawn Group
110AVTF	Alluvium, Fredericksburg Group, and Trinity sands	110AVTP	Alluvium and Travis Peak Formation
110AVTR	Alluvium and Trinity sand	110AVTS	Alluvium, terrace deposits and Seymour Formation
110AVTV	Alluvium and Tertiary volcanics	110AVTY	Alluvium and Taylor Group
110AVVL	Alluvium and Vale Formation	110AVWX	Alluvium and Wilcox Group
110AVYG	Alluvium and Yegua Formation	110BILD	Barrier island deposits
110DOGL	Dune sand and Ogallala Formation	110DUNE	Dune sand
110MNNS	Monahans Formation	110QRNR	Quaternary System
110TBLC	Terra Blanca Formation	110TRRC	Terrace deposits
111AGHC	Alluvial deposits, Glen Rose Limestone, Hensell and Cow Creek Members	111ALVM	Holocene alluvium
111EOLN	Eolian deposits	111FPTC	Floodplain and terrace deposits
111HLCN	Holocene Series	111HPPA	Holocene, Pleistocene, and Pliocene alluvial deposits
111IGLD	Ingleside Formation	111NCRV	Nueces River alluvium
111RDRV	Red River alluvium	111STGV	Stream and terrace gravel
111TRRV	Trinity River alluvium	112ALLM	Alta Loma Sand
112BMLG	Beaumont Formation, Lissie Formation and Goliad Sand	112BMLS	Beaumont and Lissie Formations
112BMNT	Beaumont Formation	112CEVG	Chicot and Evangeline aquifers
112CHCT	Chicot aquifer	112CHCTL	Chicot aquifer, lower
112CHCTM	Chicot aquifer, middle	112CHCTU	Chicot aquifer, upper
112CLEV	Chicot aquifer and lower unit of Evangeline aquifer	112DVLL	Deweyville Formation
112GDLG	Goliad Formation and younger deposits, and Lagarto Clay	112GLFC	Gulf Coast aquifer
112GOLD	Goliad Formation and younger deposits, undifferentiated	112GOWS	Willis and Goliad Sands
112GRBL	Green River Bolson	112HCBL	Hueco Bolson deposits
112LACC	Leona Formation and Anacacho Limestone	112LBLG	Leona Formation and Bullwagon Dolomite
112LEDD	Leona Formation, and Edwards and associated limestones	112LEGF	Leona Formation and Eagle Ford Shale
112LEON	Leona Formation	112LGLD	Lissie Formation and Goliad Sand
112LGLR	Leona Formation and Glen Rose Limestone	112LISS	Lissie Formation
112LMBL	La Mesa Bolson deposits	112LNAN	Leona Formation and Antlers Sands

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
112LNAS	Leona Formation and Austin Chalk	112LNBL	Leona Formation and Blaine Gypsum
112LNCZ	Leona Formation and Choza Formation	112LNID	Leona Formation and Indio Formation
112LNTR	Leona Formation and Trinity Group	112LRGD	Lower Rio Grande aquifer
112LSRP	Leona Formation and serpentine	112LWCX	Leona Formation and Wilcox Group
112LWGD	Lissie Formation, Willis Sand and Goliad Sand	112MCSB	Mercedes-Sebastian aquifer
112MSBL	Mesilla Bolson aquifer	112PCPC	Pleistocene-Pliocene Series
112PECSA	Pecos aquifer	112PLSC	Pleistocene Series
112PRBL	Presidio and Redford Bolsons	112RLBL	Red Light Draw Bolson
112SBCR	Salt Bolson deposits and Cretaceous rocks	112SBCRC	Salt Bolson deposits and Capitan Reef Complex
112SBCS	Salt Bolson deposits and Cox Sandstone	112SBDM	Salt Bolson deposits and Delaware Mountain Group
112SBLP	Salt Bolson deposits and Permian rocks	112SBTV	Salt Bolson deposits and Tertiary volcanics
112SCFX	Seymour Formation and Clear Fork Group	112SLBL	Salt Bolson aquifer
112SNTF	Santa Fe Formation	112SYCZ	Seymour and Choza Formations
112SYMR	Seymour Formation	112TRCL	Terrace gravel, including Leona Formation
112TULE	Tule Formation	112WLLS	Willis Sand
120BSLT	Basalt	120CSPG	Cottonwood Spring Basalt
120DUFF	Duff Formation	120GDNG	Goodnight Formation
120IGNS	Igneous rocks	120IVIG	Intrusive rocks
120MCCC	McCutcheon Volcanic Series	120MCLM	Mitchell Mesa Rhyolite
120PRTT	Pruett Formation	120PTHL	Potato Hill Andesite
120SPCN	Sheep Canyon Basalt	120TRTR	Tertiary System
120VLCC	Volcanics	121BLNC	Blanco Formation
121CLRD	Clarendon Beds	121EVBV	Evangeline aquifer and Burkeville aquiclude
121EVGL	Evangeline aquifer	121EVJP	Evangeline and Jasper aquifers
121EVJPU	Evangeline aquifer and upper unit of Jasper aquifer	121GDLG	Goliad Sand and Lagarto Clay
121GOLD	Goliad Sand	121ODPJ	Ogallala Formation, Dakota Group, Purgatoire Formation, and Jurassic rocks
121OGAL	Ogallala Formation and Antlers Sand	121OGCD	Ogallala Formation, Cretaceous rocks and Dockum Formation
121OGDK	Ogallala Formation and Dockum Group	121OGDP	Ogallala Formation, Dakota Group, and Purgatoire Formation
121OGFA	Ogallala Formation, Fredericksburg Group, and Antlers Sand	121OGFG	Ogallala Formation and Fredericksburg Group
121OGLD	Ogallala Formation and Dakota Group	121OGLL	Ogallala Formation
121OGLM	Ogallala and Morrison Formations	121OGLP	Ogallala and Purgatoire Formations

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
121OGLW	Ogallala Formation and Whitehorse Group	121OGPJ	Ogallala Formation, Purgatoire Formation, and Jurassic rocks
121UVDA	Uvalde Gravel and Austin Chalk	121UVLD	Uvalde Gravel
122BKVL	Burkeville aquiclude	122CJCK	Catahoula Tuff and Jackson Group
122CTHL	Catahoula Formation	122FBKV	Fleming Formation and Burkeville aquiclude
122FLMG	Fleming Formation	122JBKV	Jasper aquifer and Burkeville aquiclude
122JPCL	Jasper aquifer and Catahoula Sandstone	122JPJK	Jasper aquifer and Jackson Group
122JSPR	Jasper aquifer	122JSPRL	Jasper aquifer, lower unit
122JSPRU	Jasper aquifer, upper unit	122LGRT	Lagarto Clay
122LOKV	Lagarto Clay and Oakville Sandstone	122LOVC	Lagarto Clay, Oakville Sandstone and Catahoula Formation
122OKVC	Oakville Sandstone and Catahoula Tuff	122OKVL	Oakville Sandstone
122OVCI	Oakville Sandstone, Catahoula Tuff and Jackson Group	123ANHC	Anahuac Formation
123FRIO	Frio Clay	123MSLM	Mount Selman Formation
123VKBG	Vicksburg Group	124ARP	Arp Sand Member of Reklaw Formation
124BFCS	Bigford Formation and Carrizo Sand	124BGDF	Bigford Formation of Claiborne Group
124CABF	Calvert Bluff Formation	124CBSB	Calvert Bluff Formation and Simsboro Sand Member
124CKMC	Cook Mountain Formation and Carrizo Sand	124CKMN	Cook Mountain Formation
124CKMS	Cook Mountain Formation and Sparta Sand	124CLBR	Claiborne Group
124CPRS	Cypress aquifer	124CRRZ	Carrizo Sand
124CRVR	Cane River Formation	124CZCB	Carrizo Sand and Calvert Bluff Formation
124CZCSB	Carrizo Sand, Calvert Bluff Formation and Simsboro Formation	124CZSB	Carrizo Sand and Simsboro Sand Member of Rockdale Formation
124CZWX	Carrizo Sand and Wilcox Group, undifferentiated	124CZWXA	Carrizo-Wilcox aquifer
124DBLL	Diboll Member of Jackson Formation	124DUBS	Dubose Sands and Clays
124ELPC	El Pico Clay	124HOOP	Hooper Formation
124IDEC	Indio Formation and Escondido Formation	124INDO	Indio Formation
124JCKS	Jackson Group	124JKYG	Jackson Group and Yegua Formation
124LRDO	Laredo Formation	124MNNG	Manning Formation of Jackson Group
124MSCZ	Mount Selman Formation and Carrizo Sand	124OLMS	Olmos Sand
124OMEN	Omen Member of Mount Selman Formation	124PBGF	Post-Bigford Beds of Mount Selman Formation
124QCCW	Queen City Sand, Carrizo Sand and Wilcox Group	124QCCZ	Queen City Sand and Carrizo Sand
124QCRCZ	Queen City Sand, Reklaw Formation and Carrizo Sand	124QCRK	Queen City Sand and Reklaw Formation
124QCSP	Queen City Sand and Sparta Sand	124QCWX	Queen City Sand and Wilcox Group

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
124QNCT	Queen City Sand of Claiborne Group	124RCKD	Rockdale Formation
124RK CZ	Reklaw Formation and Carrizo Sand	124RKLW	Reklaw Formation of Claiborne Group
124RKWX	Reklaw Formation and Wilcox Group	124SBHP	Simsboro Sand Member and Hooper Formation
124SMBR	Simsboro Sand Member of Rockdale Formation	124SNSC	Stone Switch Sand
124SPCZ	Sparta Sand and Carrizo Sand	124SPLR	Spiller Sand Member of Cook Mountain Formation
124SPQC	Sparta Sand and Queen City Sand	124SPRT	Sparta Sand
124SPSP	Sparta Sand and Spiller Sand Member of Cook Mountain Formation	124SPWX	Sparta Sand and Wilcox Group
124TYLR	Tyler Greensand Member of Sparta Sand	124WCHS	Weches Formation of Claiborne Group
124W LBR	Wellborn Sandstone	124WLCX	Wilcox Group
124WXMW	Wilcox and Midway Groups	124W XSB	Wilcox Group and Simsboro Sand Member of Rockdale Formation
124YCMS	Yegua Formation, Cook Mountain Formation and Sparta Sand	124YEGU	Yegua Formation
124YGCM	Yegua and Cook Mountain Formations	124YGJK	Yegua Formation and Jackson Group
124YGSP	Yegua Formation and Sparta Sand	125MDWY	Midway Group
125MEXI	Mexia Member of Wills Point Formation	125THCN	Tehuacana Member of Kincaid Formation
125WLSP	Wills Point Formation	210CCSR	Cretaceous rocks and Santa Rosa Sandstone
210CIGR	Igneous rocks (Cretaceous)	210CRCS	Cretaceous System
211ACCE	Anacacho Limestone and Escondido Formation	211AEDD	Austin Chalk, and Edwards and associated limestones
211AEFB	Austin Chalk, Eagle Ford Shale and Buda Limestone	211AGUJ	Aguja Formation
211ANCC	Anacacho Limestone	211ANNN	Annuna Chalk
211ASTN	Austin Chalk	211BEGF	Buda Limestone and Eagle Ford Shale
211BLSM	Blossom Sand	211BLWG	Buda Limestone and Washita Group
211BNHM	Bonham Marl	211BQLS	Boquillas Formation
211BUDA	Buda Limestone	211CHSS	Chisos Volcanics
211CRCSU	Upper Cretaceous Series	211CRSC	Corsicana Marl
211DKOP	Dakota Group and Purgatoire Formation	211DKOT	Dakota Sandstone or Formation
211DKPJ	Dakota Group, Purgatoire Formation, and Jurassic rocks	211DLRO	Del Rio Clay
211DRNG	Durango Sand Member of Taylor Marl	211DXTR	Dexter Member of Woodbine Sand
211EGFA	Eagle Ford Shale and Austin Chalk	211EGFD	Eagle Ford Shale
211ELSS	Eules Member of Woodbine Sand	211GOBR	Gober Tongue of Austin Chalk
211GRRS	Graneros Shale	211GRSN	Grayson Shale
211KEMP	Kemp Clay	211LSVL	Lewisville Member of Woodbine Sand

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
211NCTC	Nacatoch Sand	211NLDV	Neylandville Marl
211NVR	Navarro Group	211NVTY	Navarro and Taylor Groups
211PCGP	Pecan Gap Chalk Member of Taylor Marl	211RDBC	Red Branch Member of Woodbine Sand
211SCRL	San Carlos Formation	211SMGL	San Miguel Formation
211TMPL	Templeton Member of Woodbine Sand	211TRLG	Terlingua Clay
211TYLR	Taylor Marl	211WLFC	Wolfe City Sand Member of Taylor Marl
212GLFN	Gulfian Series	212OLMS	Olmos Formation
212PEN	Pen Formation	212WBPH	Woodbine Sand, and Paluxy and Hosston Formations
212WBPX	Woodbine and Paluxy Formations	212WDBN	Woodbine Sand
212WDBT	Woodbine Sand and Trinity Group	217CRCSL	Lower Cretaceous Series
217HSCC	Hosston Formation and Cow Creek Limestone	217HSTN	Hosston Formation
217PGTM	Purgatoire and Morrison Formations	217PRGR	Purgatoire Formation
217SLGO	Sligo Formation	218ALRS	Antlers Sand
218ALSP	Antlers Sand and Pennsylvanian rocks	218ANTP	Antlers Sand and Permian rocks
218ASDG	Antlers Sand and Dockum Formation	218CCRK	Cow Creek Limestone
218CMPK	Comanche Peak Limestone	218COX	Cox Sandstone
218DKCK	Duck Creek Limestone	218DLCM	Del Carmen Limestone
218DVRV	Devils River Limestone	218EBEF	Edwards and associated limestones, Buda Limestone and Eagle Ford Shale
218EBFZA	Edwards and associated limestones - (Balcones Fault Zone aquifer)	218EDAD	Edwards and associated limestones, Antlers Sand, and Dockum Formation
218EDAS	Edwards and associated limestones and Antlers Sand	218EDDH	Edwards and associated limestones, and Hosston Formation
218EDDT	Edwards and associated limestones, and Trinity Group	218EDGR	Edwards and associated limestones, and Glen Rose Limestone
218EDGRU	Edwards and associated limestones, and Upper Member of Glen Rose Limestone	218EDLP	Edwards and associated limestones, and Paluxy Sand
218EDPM	Edwards and associated limestones, and Permian System	218EDRD	Edwards Limestone
218EDRDA	Edwards and associated limestones	218EEGF	Edwards and associated limestones, and Eagle Ford Shale
218FGAS	Fredericksburg Group and Antlers Sand	218FKBG	Fredericksburg Group
218FKBT	Fredericksburg and Trinity Groups	218FKBW	Limestones of Fredericksburg and Washita Groups
218FNLY	Finlay Limestone	218FRGR	Fredericksburg Group and Glen Rose Limestone
218FRWR	Fort Worth Limestone	218FWGR	Limestones of Fredericksburg, Washita, and Upper Glen Rose
218GDLD	Goodland Limestone	218GLRH	Glen Rose Limestone and Hensell Member of Pearsall Formation
218GLRP	Glen Rose Limestone and Pearsall Formation	218GLRS	Glen Rose Limestone
218GLRSL	Glen Rose Limestone, Lower Member	218GLRSU	Glen Rose Limestone, Upper Member

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
218GLRT	Glen Rose Limestone and Trinity sand, undifferentiated	218GPSH	Glen Rose (Lower), Pearsall (Hensell, Cow Creek Members), Sligo and Hosston Formations
218GRCCU	Lower Glen Rose and Cow Creek Limestones	218GRGN	Georgetown Limestone
218GRHC	Glen Rose Limestone, and Hensell Sh and Cow Creek Limestone Members of Pearsall Formation	218GRHCU	Upper Glen Rose, Hensell, and Cow Creek Members of Pearsall Formation
218GRHH	Glen Rose Limestone, Hensell Sand and Hosston Formation	218GRLH	Lower Glen Rose Limestone, and Hensell Shale Members of Pearsall Formation
218GRTM	Glen Rose Limestone and Twin Mountains Formation	218GRUH	Upper Glen Rose Limestone, and Hensell Shale Members of Pearsall Formation
218HCSH	Hensell and Cow Creek Members of Pearsall Formation, and Sligo and Hosston Formations	218HEPF	Hensell Sand and Pearsall Formation
218HMMT	Hammett Shale	218HNHS	Hensell Sand and Hosston Formation
218HNSL	Hensell Sand Member of Travis Peak Formation	218HSCC	Hensell Sand and Cow Creek Limestone
218KMCH	Kiamichi Formation	218LGRLH	Lower Glen Rose and Hosston Formation
218MNSR	Main Street Limestone	218MXON	Maxon Sandstone
218PLXP	Paluxy Formation and Permian rocks	218PLXY	Paluxy Sand
218PRHF	Pearsall and Hosston Formations	218PRSL	Pearsall Formation
218PSGH	Pearsall, Sligo, and Hosston Formations	218PTPH	Paluxy Sand, Travis Peak and Hosston Formations
218PWPW	Pawpaw Formation	218PXGR	Paluxy Sand and Glen Rose Limestone
218PXTM	Paluxy and Twin Mountains Formations	218SCMR	Sycamore Sand Member of Travis Peak Formation
218SNEL	Santa Elena Limestone	218TGHC	Trinity sand, Graham Formation and Home Creek Limestone
218THCK	Trinity sand and Home Creek Limestone	218TPFP	Travis Peak Formation and Pennsylvanian rocks
218TPLX	Trinity and Paluxy Sand	218TPPX	Travis Peak Formation and Paluxy Sand
218TRBL	Trinity Group and Blaine Gypsum	218TRCL	Trinity sand and Chinle Formation equivalent
218TRGM	Trinity sand and Graham Formation	218TRNT	Trinity Group
218TSEB	Trinity sand and Ellenburger Group	218TSPU	Trinity sand and Pennsylvanian System undifferentiated
218TVPH	Travis Peak and Hosston Formations	218TVPK	Travis Peak Formation
218TWMW	Twin Mountains Formation	218TWMW	Twin Mountains and Mineral Wells Formations
218WENO	Weno Limestone	218WLNT	Walnut Clay
218WSHT	Washita Group	219SLGH	Sligo and Hosston Formations
220JRSC	Jurassic System	221EXTR	Exeter Sandstone
221JRSCU	Upper Jurassic Series	221MLON	Malone Formation
221MORS	Morrison Formation	230BSST	Bissett Conglomerate
230DCKO	Dockum Formation and Ochoa Series	230TRJL	Trujillo Formation
230TRSC	Triassic System	231CHNL	Chinle Formation
231CHNLE	Chinle Formation equivalent	231DCKM	Dockum Formation

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
231DCKP	Dockum Formation and Permian rocks	231DCKR	Dockum and Rustler Formations
231DCKW	Dockum Formation and Whitehorse Group	231SNRS	Santa Rosa Sandstone
231SRSA	Santa Rosa Sandstone and San Andres Limestone	231TCVS	Tecovas Formation
300PLZC	Paleozoic Erathem	300PLZCL	Lower Paleozoic rocks
300PLZCU	Upper Paleozoic rocks	310GLRT	Glorieta Sandstone
310PRMN	Permian System	310QRMW	Quartermaster Formation and Whitehorse Group
310QRRM	Quartermaster Formation	312CSTL	Castile Gypsum
312DYLK	Dewey Lake red beds	312OCAR	Ochoan Series and Artesia Group
312OCHO	Ochoan Series	312RSLR	Rustler Formation
312SLDO	Salado Formation	312TSSY	Tessey Limestone
313ALBS	Alibates Dolomite Lentil of Quartermaster Formation	313ALTD	Altuda Formation
313ARTS	Artesia Group	313BLCN	Bell Canyon Formation
313BLIN	Blaine Gypsum	313BRSC	Brushy Canyon Formation
313BSAG	Blaine Gypsum and San Angelo Sandstone	313CLBD	Carlsbad Limestone
313CLDR	Childress Dolomite Member of Grayburg Formation	313CPTN	Capitan Limestone
313CRCN	Cherry Canyon Formation	313CRCX	Capitan Reef Complex and associated limestones
313CRDM	Capitan Reef Complex - Delaware Mountain Group	313DBLM	Double Mountain Group
313DCBF	Dog Creek Shale, Blaine Gypsum, and Flowerpot Shale	313DCKB	Dog Creek Shale and Blaine Gypsum
313DGCK	Dog Creek Shale	313DLRM	Delaware Mountain Formation or Group
313DMBS	Delaware Mountain Group - Bone Spring Limestone	313DOZR	Dozier Sandstone Member of Rush Springs Formation
313FLRP	Flowerpot Shale	313FPSA	Flowerpot Shale and San Angelo Sandstone
313GLLM	Gilliam Limestone	313GRBG	Grayburg Formation
313GTSP	Goat Seep Limestone	313GTWY	Getaway Limestone Member of Cherry Canyon Formation
313HGLR	Hegler Limestone Member of Cherry Canyon Formation	313LAMR	Lamar Limestone Member of Bell Canyon Formation
313MCMB	McCombs Limestone Member of Bell Canyon	313MNZN	Manzanita Limestone Member of Cherry Canyon Formation
313PNRY	Pinery Limestone Member of Cherry Canyon Formation	313QUEN	Queen Formation
313RDER	Rader Limestone Member of Cherry Canyon Formation	313SADR	San Andres Limestone
313SVRV	Seven Rivers Formation	313SWLS	South Wells Limestone Member of Cherry Canyon Formation
313TNSL	Tansill Formation	313WDCB	Whitehorse Group, and Dog Creek and Blaine Formations
313WORD	Word Formation	313WTRS	Whitehorse Group
313YTES	Yates Formation	318ADML	Admiral Formation

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
318ARRY	Arroyo Formation	318BLGN	Bullwagon Dolomite Member of Vale Formation
318BLPL	Belle Plains Formation	318BSPG	Bone Spring Limestone
318BSVP	Bone Spring and Victoria Peak Limestones	318CDLM	Cathedral Mountain Formation
318CHOZ	Choza Formation	318CLFK	Clear Fork Group
318CLYD	Clyde Formation	318CZBW	Choza Formation and Bullwagon Dolomite
318CZVL	Choza and Vale Formations	318HESS	Hess Limestone Member of Leonard Formation
318PTRL	Petrolia Formation	318RINY	Rainey Limestone Member of Arroyo Formation
318SACZ	San Angelo Sandstone and Choza Formation	318SAGL	San Angelo Sandstone
318SDPP	Standpipe Limestone Member of Arroyo Formation	318VALE	Vale Formation
318VCPK	Victorio Peak Limestone	318WCCC	Wichita and Cisco Groups
318WCHT	Wichita Formation or Group	319ARCT	Archer City Formation
319CMJC	Coleman Junction Limestone Member of Putnam Formation	319HUCO	Hueco Limestone
319MORN	Moran Formation	319PTNM	Putnam Formation
319PUBL	Pueblo Formation	319WFMP	Wolfcamp Formation
320BEND	Bend Group	320DMPL	Dimple Limestone
320MBLF	Marble Falls Limestone	320PSLV	Pennsylvanian System
320SMCK	Smithwick Shale	321AVIS	Avis Sandstone
321CCPS	Colony Creek and Placid Shales	321CCRP	Colony Creek Shale, Ranger Limestone, and Placid Shale
321CLCK	Colony Creek Shale	321CNCS	Canyon and Cisco Groups
321CNYN	Canyon Group	321CSCO	Cisco Group
321GCCC	Gonzales Creek Member and Colony Creek Shale	321GFCC	Graham Formation and Colony Creek Shale
321GPNK	Gaptank Formation	321GRFD	Grayford Formation
321GRHM	Graham Formation	321GZCK	Gonzales Creek Member
321HMCK	Home Creek Limestone	321HPVL	Harpersville Formation
321MARK	Markley Formation	321PLCD	Placid Shale
321PLPN	Palo Pinto Limestone	321PLPT	Palo Pinto Formation
321PPTC	Palo Pinto Formation and Turkey Creek Sandstone	321PSDN	Posideon Shale
321PSLVU	Upper Pennsylvanian Series	321PSWM	Placid Shale and Wolf Mountain Formation
321PWWM	Placid Shale, Winchell Limestone, and Wolf Mountain Shale	321RNGR	Ranger Limestone
321TFGM	Thrifty and Graham Formations	321TRFT	Thrifty Formation
321WFMP	Wolf Mountain and Posideon Shales	321WLFM	Wolf Mountain Shale

GWCODE 37 - AQUIFERS (SORTED BY CODE)

CODE	DESCRIPTION	CODE	DESCRIPTION
321WMPP	Wolf Mountain Shale, Posideon Shale, and Palo Pinto Limestone	321WNCL	Winchell Limestone
324BZRVL	Brazos River Conglomerate Member, Lower Part of Garner Formation	324BZRUVU	Brazos River Conglomerate Member, Upper Part of Garner Formation
324ESMN	East Mountain Shale Member of Mineral Wells Formation	324GRNR	Garner Formation
324LKPN	Lake Pinto Sandstone Member of Mineral Wells Formation	324MLWL	Mineral Wells Formation
324MWBR	Mineral Wells and Brazos River Formations	324STRN	Strawn Group
324TKCK	Turkey Creek Sandstone	327HMND	Haymond Formation
327MFEB	Marble Falls Limestone and Ellenburger Group	327MFEH	Marble Falls Limestone, Ellenburger Group, and Hickory Sandstone
327TSNS	Tesnus Formation	330CPPL	Chappel Formation
330HLMS	Helms Formation	330MSSP	Mississippian System
340DVNN	Devonian System	350SLRN	Silurian System
360ODVC	Ordovician System	361BRNM	Burnam Limestone
361MNTY	Montoya Limestone	364FRPM	Fort Pena Formation and Marathon Limestone
364FRPN	Fort Pena Formation	364WDHL	Woods Hollow Shale
367ALST	Alstate Shale	367EBCR	Ellenburger Group and Cambrian rocks
367EBHK	Ellenburger Group and Hickory Sandstone	367EBPH	Ellenburger Group and post-Hickory Sandstone Cambrian rocks
367EBSS	Ellenburger Group and San Saba aquifer	367ELBG	Ellenburger Group
367ELPS	El Paso Limestone	367GRMN	Gorman Formation
367HNCT	Honeycut Formation	367MRTN	Marathon Limestone
367TNRD	Tanyard Formation	370CMBR	Cambrian System
371BLSS	Bliss Sandstone	371DGFL	Dagger Flat Sandstone
371HCKR	Hickory Sandstone	371LNMN	Lion Mountain Sandstone
371MCWG	Morgan Creek Limestone and Welge Sandstone	371MGCK	Morgan Creek Limestone Member of Wilberns Formation
371MWLM	Morgan Creek Limestone and Welge and Lion Mountain Sandstones	371PHCK	Post-Hickory Sandstone rocks
371PNPK	Point Peak Shale Member of Wilberns Formation	371RESH	Rocks between Ellenburger-San Saba aquifer and Hickory Sandstone Member, Riley Formation
371RILY	Riley Formation	371SNSB	San Saba Limestone
371WELG	Welge Sandstone	371WGLH	Welge, Lion Mountain, and Hickory Sandstones
371WGLM	Welge and Lion Mountain Sandstones	371WLBR	Wilberns Formation
400ALMR	Allamoore Limestone	400GRNT	Precambrian Granite
400HZEL	Hazel Sandstone	400LLNO	Llano Series
400PCKD	Packsaddle Schist	400PCMB	Precambrian Erathem
400VNHR	Van Horn Sandstone	400VSPG	Valley Spring Gneiss
NOT-APPL	Aquifer code is not applicable to this well	UNKNOWN	Aquifer not able to be determined

GWCODE 38 - POROSITY METHODS

CODE	DESCRIPTION
A	Estimate based on producing aquifer
C	Estimate based on laboratory measurements of core
D	Estimate based on drillers log
G	Calculated from geophysical log
H	Estimate based on county hydrogeologic report
O	Other method - Specify in remarks
U	Unknown method

GWCODE 39 - WATER LEVEL METHODS

CODE	DESCRIPTION	TWDB CODE
A	Air line	3
B	Analog/graphic recorder	4
C	Calibrated air line	3
E	Estimated	
G	Pressure gage	5
H	Calibrated pressure gage	5
L	Geophysical log interpretation	6
M	Manometer	
N	Nonrecording gage	
R	Reported - Method not known	7
S	Steel tape	1
T	Electric tape	2
V	Calibrated electric tape	2
Z	Other - Indicate in remarks	8

GWCODE 40 - HYDRAULIC CONDUCTIVITY METHODS

CODE	DESCRIPTION
A	Aquifer pumping test
E	Estimate based on lithology
G	Gravity test
M	Multiple pressure tests
O	Other - Specify in remarks
P	Pressure test
U	Unknown method

GWCODE 41 - TRANSMISSIVITY METHODS

CODE	DESCRIPTION
1	Hydraulic conductivity and saturated thickness measured
2	Hydraulic conductivity measured - Saturated thickness estimated
3	Hydraulic conductivity estimated - Saturated thickness measured
4	Hydraulic conductivity estimated - Saturated thickness estimated
5	Recovery test
6	Other - Specify in remarks
7	Unknown

GWCODE 42 - STORAGE COEFFICIENT METHODS

CODE	DESCRIPTION
1	Calculation based on measurements from subject well
2	Calculation based on measurements from nearby wells
3	Calculation based on aquifer test
4	Other - Specify in remarks
5	Unknown method

GWCODE 43 - DEGREE OF CONFINEMENT

CODE	DESCRIPTION
C	Confined
S	Semi-confined ("leaky")
U	Unconfined
N	Not known

GWCODE 44 - DEGREE OF CONFINEMENT METHODS

CODE	DESCRIPTION
1	Drillers log of well
2	Regional hydrogeologic report
3	Single-well pump test
4	Multiple-well pump test
5	Other - Specify in remarks
6	Unknown

GWCODE 45 - AQUIFER TEST METHODS

CODE	DESCRIPTION
A	Pumping test
B	Power-yield test
C	Specific capacity
U	Unknown
Z	Other - Specify in remarks

GWCODE 46 - WELL SITE STATUS CODES

CODE	DESCRIPTION
01	Site was dry
02	Site flowing recently
03	Site flowing, but head could not be measured
04	Nearby site tapping same aquifer was flowing
05	Nearby site tapping same aquifer was flowing recently
06	Recharge water being injected into aquifer
07	Nearby site that taps into same aquifer as an injection well
08	Obstruction encountered in well above water surface
09	Site was being pumped
10	Site has been pumped recently
11	Nearby site that taps the same aquifer was being pumped
12	Nearby site that taps the same aquifer has been pumped recently
13	Foreign substance present on surface of water
14	Site has been destroyed
15	Water level affected by stage in nearby surface water body
16	Water level may reflect perched water table
17	Other conditions affect measured water level - See remarks
18	Unknown conditions

GWCODE 47 - ANALYTICAL CODING SYSTEM

CODE	DESCRIPTION
C	Chemical Abstracts Service Registry No.
S	EPA STORET Parameter Code
O	Other - Specify in remarks

GWCODE 48 - ANALYTICAL METHODS SOURCES

CODE	DESCRIPTION
ASTM	American Society for Testing and Materials Annual Book of Standards
AWWA	American Water Works Association Standard Methods
ORION	Orion Guide to Water and Wastewater Analyses
MILLI	Millipore Corporation
USEPA	U.S. Environmental Protection Agency
USGS	Techniques of Water Resources Investigations of the U.S. Geological Survey
OTHER	Other - Specify in remarks

GWCODE 49 - ANALYTICAL RESULTS QUALIFIER CODES

CODE	DESCRIPTION
ADL	Above detection limit - Specify limit in data dictionary
BDL	Below detection limit - Specify limit in data dictionary
BQL	Below quantification limit - Specify limit in data dictionary
FPS	Failed preliminary screening
NSA	Sample not suitable for analysis
PNQ	Present but not quantified
UNK	Unknown

GWCODE 50 - FIELD PROTOCOL PLAN CODE

CODE	DESCRIPTION
A	Resource Conservation and Recovery Act QA/QC Program
B	Detailed sampling/preservation plan developed by certified organization and approved by regulatory authority
C	Detailed sampling/preservation protocol plan with standard procedures/internal checks - Not approved by authority
D	No detailed sampling/preservation protocol
U	Sampling/preservation protocol unknown

GWCODE 51 - LABORATORY QA/QC PROCEDURE

CODE	DESCRIPTION
1	Lab certified by state for all parameters reported or has satisfactory state/EPA QA/QC evaluation in last 2 years
2	EPA contract laboratory facility
3	Lab has detailed QA/QC plan with standard procedures/internal checks - Objectives of plan reported as being met
4	Lab has detailed QA/QC plan with standard procedures/internal checks - No state/EPA evaluation
5	No detailed lab QA/QC plan
6	Lab QA/QC information unknown

GWCODE 52 - ANALYTICAL LABORATORIES

CODE	DESCRIPTION	CODE	DESCRIPTION
01	Texas Department of Health Bureau of Laboratories	02	U.S. Geological Survey Laboratory
03	Texas Water Development Board Field Analysis	04	Curtis Laboratory
05	Edna Wood Laboratory	06	Pope Testing Laboratory
07	Trinity Testing Laboratory	08	Microbiology
09	Southwestern Analytical Chemicals	10	Houston Laboratories
11	Texas Agricultural Experiment Station	12	WPA
13	University of Texas at Austin	14	Texas A&M University at College Station
15	Texas Tech University at Lubbock	16	North Texas State University Water Research Laboratory
17	El Paso Water Utilities Department Laboratory	18	Radian Corporation
19	Lab 01 + Lab 15	20	TNRCC Laboratory - Houston
22	TNRCC field analysis	23	Lower Colorado River Authority Laboratory
24	RJ Lee Group - Houston	25	Reservoirs Environmental Services - Houston
26	Quantum Laboratories - Oklahoma City	27	The Stiers Group - Oklahoma City
28	Oklahoma Department of Environmental Quality	96	Other municipal lab - specify in remarks
97	Other industrial lab - specify in remarks	98	Other commercial lab - specify in remarks
99	Laboratory unknown		

GWCODE 53 - COUNTY LOCATIONAL COORDINATES

FIPS COUNTY CODE	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE
001	+313011.0000	+320745.0000	-0951402.0000	-0960622.0000
003	+320234.0000	+323312.0000	-1021014.0000	-1030623.0000
005	+310123.0000	+313459.0000	-0940551.0000	-0950122.0000
007	+280704.0000	+282053.0000	-0964558.0000	-0970949.0000
009	+332118.0000	+335218.0000	-0982307.0000	-0985851.0000
011	+344245.0000	+351259.0000	-1010258.0000	-1013912.0000
013	+283413.0000	+291724.0000	-0980326.0000	-0985111.0000
015	+293345.0000	+300816.0000	-0955900.0000	-0963846.0000
017	+334716.0000	+342011.0000	-1023431.0000	-1030526.0000
019	+293049.0000	+295513.0000	-0984501.0000	-0993822.0000
021	+294510.0000	+302606.0000	-0965954.0000	-0974030.0000
023	+332111.0000	+335153.0000	-0985448.0000	-0993033.0000
025	+280634.0000	+284539.0000	-0972035.0000	-0980658.0000
027	+304316.0000	+312121.0000	-0970225.0000	-0975643.0000
029	+290501.0000	+294755.0000	-0980518.0000	-0985112.0000
031	+295424.0000	+303207.0000	-0980413.0000	-0983730.0000
033	+322907.0000	+325934.0000	-1010845.0000	-1014405.0000
035	+313341.0000	+321501.0000	-0971447.0000	-0980229.0000
037	+331434.0000	+334650.0000	-0940107.0000	-0944658.0000
039	+284831.0000	+293905.0000	-0950245.0000	-0955429.0000
041	+301732.0000	+310013.0000	-0960429.0000	-0963748.0000
043	+285626.0000	+304128.0000	-1021725.0000	-1034952.0000
045	+341628.0000	+344657.0000	-1005426.0000	-1013137.0000
047	+264527.0000	+271841.0000	-0975743.0000	-0983428.0000
049	+312601.0000	+320647.0000	-0983705.0000	-0991434.0000
051	+301621.0000	+304556.0000	-0961506.0000	-0965832.0000
053	+302305.0000	+310351.0000	-0974748.0000	-0982932.0000
055	+293620.0000	+300559.0000	-0971700.0000	-0975623.0000
057	+281828.0000	+284540.0000	-0962409.0000	-0965801.0000
059	+320240.0000	+323308.0000	-0990450.0000	-0993956.0000
061	+255410.0000	+262525.0000	-0970654.0000	-0975400.0000
063	+325354.0000	+330817.0000	-0944212.0000	-0951127.0000
065	+350849.0000	+353900.0000	-1010255.0000	-1013912.0000
067	+325147.0000	+332207.0000	-0940106.0000	-0944107.0000
069	+341609.0000	+344702.0000	-1015949.0000	-1023319.0000
071	+293118.0000	+295612.0000	-0941946.0000	-0950112.0000
073	+312451.0000	+321109.0000	-0944923.0000	-0953008.0000
075	+341651.0000	+344656.0000	-0995720.0000	-1002655.0000

GWCODE 53 - COUNTY LOCATIONAL COORDINATES

FIPS COUNTY CODE	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE
077	+332519.0000	+341148.0000	-0975446.0000	-0982719.0000
079	+332100.0000	+335142.0000	-1023354.0000	-1030550.0000
081	+313918.0000	+320659.0000	-1001206.0000	-1005151.0000
083	+312229.0000	+320651.0000	-0991030.0000	-0994540.0000
085	+325701.0000	+332626.0000	-0961549.0000	-0965231.0000
087	+344252.0000	+351250.0000	-0995813.0000	-1003432.0000
089	+291137.0000	+295848.0000	-0960921.0000	-0965418.0000
091	+293349.0000	+300434.0000	-0975849.0000	-0984011.0000
093	+313858.0000	+321749.0000	-0980715.0000	-0985656.0000
095	+310315.0000	+313633.0000	-0993557.0000	-1000914.0000
097	+332256.0000	+335920.0000	-0965425.0000	-0973120.0000
099	+310200.0000	+314517.0000	-0972310.0000	-0981404.0000
101	+334814.0000	+342058.0000	-0995723.0000	-1003250.0000
103	+310156.0000	+314057.0000	-1021605.0000	-1024921.0000
105	+301330.0000	+310624.0000	-1005600.0000	-1022330.0000
107	+332105.0000	+335219.0000	-1005905.0000	-1013459.0000
109	+303651.0000	+320136.0000	-1035848.0000	-1045710.0000
111	+360037.0000	+363137.0000	-1020737.0000	-1030453.0000
113	+323042.0000	+330121.0000	-0962913.0000	-0970400.0000
115	+322910.0000	+325938.0000	-1014003.0000	-1021444.0000
117	+344210.0000	+351255.0000	-1020742.0000	-1030455.0000
119	+331244.0000	+333344.0000	-0951640.0000	-0955319.0000
121	+325719.0000	+332718.0000	-0964803.0000	-0972545.0000
123	+284634.0000	+292422.0000	-0965659.0000	-0974707.0000
125	+332057.0000	+335219.0000	-1002824.0000	-1010336.0000
127	+281003.0000	+284037.0000	-0992219.0000	-1000902.0000
129	+344254.0000	+351250.0000	-1003010.0000	-1010717.0000
131	+271409.0000	+280500.0000	-0981210.0000	-0985045.0000
133	+320236.0000	+323307.0000	-0982536.0000	-0990904.0000
135	+313645.0000	+320658.0000	-1021446.0000	-1025051.0000
137	+293449.0000	+301732.0000	-0994440.0000	-1004403.0000
139	+320152.0000	+323457.0000	-0962112.0000	-0970736.0000
141	+312049.0000	+320139.0000	-1055521.0000	-1064052.0000
143	+315305.0000	+323300.0000	-0974938.0000	-0983420.0000
145	+305716.0000	+313339.0000	-0963318.0000	-0971844.0000
147	+331858.0000	+335420.0000	-0954912.0000	-0962515.0000

GWCODE 53 - COUNTY LOCATIONAL COORDINATES

FIPS COUNTY CODE	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE
149	+293553.0000	+301208.0000	-0963133.0000	-0972059.0000
151	+322910.0000	+325949.0000	-1000635.0000	-1004120.0000
153	+334759.0000	+342032.0000	-1005936.0000	-1013528.0000
155	+334303.0000	+341641.0000	-0992620.0000	-1000424.0000
157	+291335.0000	+294945.0000	-0952349.0000	-0960743.0000
159	+325714.0000	+332640.0000	-0950553.0000	-0952046.0000
161	+312355.0000	+320259.0000	-0954543.0000	-0963144.0000
163	+283638.0000	+290714.0000	-0984655.0000	-0992627.0000
165	+322836.0000	+325919.0000	-1021025.0000	-1030620.0000
167	+291144.0000	+293849.0000	-0942051.0000	-0951612.0000
169	+325511.0000	+332516.0000	-1005905.0000	-1013451.0000
171	+300414.0000	+303155.0000	-0983325.0000	-0991924.0000
173	+313647.0000	+320705.0000	-1011350.0000	-1014750.0000
175	+282144.0000	+285702.0000	-0970813.0000	-0974839.0000
177	+290355.0000	+294910.0000	-0970622.0000	-0975327.0000
179	+350849.0000	+353901.0000	-1003005.0000	-1010657.0000
181	+332223.0000	+335959.0000	-0962109.0000	-0965845.0000
183	+322120.0000	+324332.0000	-0943308.0000	-0950136.0000
185	+301121.0000	+305341.0000	-0954648.0000	-0961336.0000
187	+291939.0000	+295322.0000	-0973619.0000	-0982038.0000
189	+334751.0000	+342026.0000	-1013100.0000	-1020550.0000
191	+341641.0000	+344658.0000	-1002248.0000	-1005831.0000
193	+312237.0000	+320258.0000	-0974436.0000	-0983043.0000
195	+360052.0000	+363120.0000	-1010234.0000	-1013930.0000
197	+340244.0000	+343606.0000	-0992615.0000	-1000126.0000
199	+300520.0000	+303428.0000	-0940258.0000	-0944649.0000
201	+292838.0000	+301259.0000	-0945258.0000	-0955957.0000
203	+322011.0000	+325150.0000	-0940102.0000	-0944447.0000
205	+353432.0000	+360525.0000	-1020746.0000	-1030444.0000
207	+325532.0000	+332510.0000	-0992614.0000	-1000111.0000
209	+294320.0000	+302222.0000	-0974035.0000	-0981943.0000
211	+353459.0000	+360445.0000	-0995820.0000	-1003423.0000
213	+315900.0000	+322440.0000	-0952449.0000	-0962828.0000
215	+260103.0000	+264934.0000	-0974958.0000	-0983736.0000
217	+314015.0000	+321828.0000	-0964052.0000	-0973157.0000
219	+332122.0000	+335151.0000	-1020128.0000	-1023831.0000
221	+321239.0000	+323514.0000	-0973453.0000	-0980542.0000

GWCODE 53 - COUNTY LOCATIONAL COORDINATES

FIPS COUNTY CODE	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE
223	+325656.0000	+332530.0000	-0951640.0000	-0955327.0000
225	+305410.0000	+313917.0000	-0945547.0000	-0954922.0000
227	+320250.0000	+323310.0000	-1010854.0000	-1014410.0000
229	+303452.0000	+320127.0000	-1045224.0000	-1060151.0000
231	+324900.0000	+332717.0000	-0954919.0000	-0961958.0000
233	+353452.0000	+360509.0000	-1010235.0000	-1013920.0000
235	+310216.0000	+313345.0000	-1003948.0000	-1011828.0000
237	+325744.0000	+332925.0000	-0975313.0000	-0982730.0000
239	+283257.0000	+291654.0000	-0961702.0000	-0965804.0000
241	+301316.0000	+311236.0000	-0935011.0000	-0942928.0000
243	+302153.0000	+310806.0000	-1032501.0000	-1050025.0000
245	+293353.0000	+301423.0000	-0934626.0000	-0942844.0000
247	+264529.0000	+272431.0000	-0982320.0000	-0990002.0000
249	+271419.0000	+280511.0000	-0974616.0000	-0981611.0000
251	+320716.0000	+323455.0000	-0970332.0000	-0973857.0000
253	+322908.0000	+325939.0000	-0993527.0000	-1001102.0000
255	+283805.0000	+291445.0000	-0973214.0000	-0981301.0000
257	+322011.0000	+325309.0000	-0960309.0000	-0963324.0000
259	+294046.0000	+300834.0000	-0982318.0000	-0985635.0000
261	+263414.0000	+271917.0000	-0972510.0000	-0980217.0000
263	+325527.0000	+332505.0000	-1002807.0000	-1010334.0000
265	+294416.0000	+301752.0000	-0985233.0000	-0994842.0000
267	+301333.0000	+304343.0000	-0991511.0000	-1000858.0000
269	+332057.0000	+335218.0000	-0995703.0000	-1003235.0000
271	+290243.0000	+293851.0000	-1000457.0000	-1005015.0000
273	+271103.0000	+274038.0000	-0971837.0000	-0980549.0000
275	+332101.0000	+335228.0000	-0992614.0000	-1000110.0000
277	+332116.0000	+335933.0000	-0951640.0000	-0955349.0000
279	+334743.0000	+342012.0000	-1020128.0000	-1023850.0000
281	+305921.0000	+312944.0000	-0975241.0000	-0983629.0000
283	+280043.0000	+284052.0000	-0984646.0000	-0992630.0000
285	+290031.0000	+293957.0000	-0963215.0000	-0971701.0000
287	+300030.0000	+303553.0000	-0963659.0000	-0972415.0000
289	+305613.0000	+314237.0000	-0953755.0000	-0962303.0000
291	+295134.0000	+303159.0000	-0942433.0000	-0951207.0000
293	+311131.0000	+315059.0000	-0961226.0000	-0965731.0000
295	+360037.0000	+363129.0000	-0995814.0000	-1003436.0000

GWCODE 53 - COUNTY LOCATIONAL COORDINATES

FIPS COUNTY CODE	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE
297	+280052.0000	+284927.0000	-0974710.0000	-0982222.0000
299	+302735.0000	+305649.0000	-0981936.0000	-0990017.0000
301	+313719.0000	+320140.0000	-1031904.0000	-1035940.0000
303	+332117.0000	+335158.0000	-1013052.0000	-1020534.0000
305	+325521.0000	+332522.0000	-1013030.0000	-1020558.0000
307	+305409.0000	+313233.0000	-0990344.0000	-0994005.0000
309	+311302.0000	+315414.0000	-0964605.0000	-0973754.0000
311	+280043.0000	+284123.0000	-0981801.0000	-0985054.0000
313	+304714.0000	+310832.0000	-0953550.0000	-0961645.0000
315	+324059.0000	+325639.0000	-0940102.0000	-0944439.0000
317	+320253.0000	+323312.0000	-1014003.0000	-1021424.0000
319	+302724.0000	+305816.0000	-0985614.0000	-0993237.0000
321	+282243.0000	+291542.0000	-0953100.0000	-0962453.0000
323	+280946.0000	+290645.0000	-1000444.0000	-1004319.0000
325	+290253.0000	+294223.0000	-0984711.0000	-0992627.0000
327	+303936.0000	+310733.0000	-0992829.0000	-1000914.0000
329	+313647.0000	+320708.0000	-1014346.0000	-1021921.0000
331	+302513.0000	+310807.0000	-0963540.0000	-0972045.0000
333	+311132.0000	+314514.0000	-0981523.0000	-0990130.0000
335	+320255.0000	+323310.0000	-1003715.0000	-1011254.0000
337	+332349.0000	+340121.0000	-0972700.0000	-0980052.0000
339	+300025.0000	+304026.0000	-0950415.0000	-0955219.0000
341	+353447.0000	+360525.0000	-1013512.0000	-1021158.0000
343	+325228.0000	+332525.0000	-0943656.0000	-0945107.0000
345	+334819.0000	+342053.0000	-1002836.0000	-1010400.0000
347	+311250.0000	+315431.0000	-0941738.0000	-0950117.0000
349	+314551.0000	+322152.0000	-0960136.0000	-0965549.0000
351	+301256.0000	+311403.0000	-0933008.0000	-0935626.0000
353	+320248.0000	+323310.0000	-1000635.0000	-1004120.0000
355	+273140.0000	+280130.0000	-0971543.0000	-0975850.0000
357	+360046.0000	+363129.0000	-1003024.0000	-1010635.0000
359	+350829.0000	+353846.0000	-1020744.0000	-1030439.0000
361	+295537.0000	+301735.0000	-0933847.0000	-0940907.0000
363	+322859.0000	+330156.0000	-0980117.0000	-0983639.0000
365	+315723.0000	+322706.0000	-0935834.0000	-0943907.0000
367	+323053.0000	+330154.0000	-0973112.0000	-0980543.0000
369	+341545.0000	+344642.0000	-1022915.0000	-1030515.0000

GWCODE 53 - COUNTY LOCATIONAL COORDINATES

FIPS COUNTY CODE	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE
371	+300101.0000	+312414.0000	-1014224.0000	-1033714.0000
373	+302759.0000	+311206.0000	-0943108.0000	-0951400.0000
375	+350855.0000	+353851.0000	-1013512.0000	-1021145.0000
377	+291342.0000	+303851.0000	-1034544.0000	-1050025.0000
379	+324245.0000	+330136.0000	-0953624.0000	-0960002.0000
381	+344255.0000	+351300.0000	-1013504.0000	-1021143.0000
383	+310216.0000	+314050.0000	-1011357.0000	-1014750.0000
385	+293454.0000	+300621.0000	-0993416.0000	-1000539.0000
387	+331919.0000	+340101.0000	-0944256.0000	-0952120.0000
389	+304320.0000	+320138.0000	-1025852.0000	-1040843.0000
391	+280228.0000	+283604.0000	-0964541.0000	-0973405.0000
393	+353501.0000	+360452.0000	-1003005.0000	-1010655.0000
395	+303917.0000	+312332.0000	-0961246.0000	-0965137.0000
397	+324715.0000	+330105.0000	-0961557.0000	-0963320.0000
399	+313211.0000	+320652.0000	-0994127.0000	-1001608.0000
401	+314957.0000	+322810.0000	-0942547.0000	-0950116.0000
403	+310710.0000	+314006.0000	-0933235.0000	-0940615.0000
405	+310520.0000	+314239.0000	-0935641.0000	-0942601.0000
407	+301815.0000	+305651.0000	-0944817.0000	-0952443.0000
409	+274816.0000	+281327.0000	-0970629.0000	-0975642.0000
411	+305243.0000	+313137.0000	-0982311.0000	-0990751.0000
413	+303936.0000	+310715.0000	-1000459.0000	-1010040.0000
415	+322907.0000	+325928.0000	-1003709.0000	-1011253.0000
417	+322905.0000	+325949.0000	-0990328.0000	-0993933.0000
419	+313257.0000	+320137.0000	-0934559.0000	-0943340.0000
421	+360110.0000	+363137.0000	-1013521.0000	-1021158.0000
423	+320703.0000	+324433.0000	-0945716.0000	-0953843.0000
425	+320331.0000	+322139.0000	-0973450.0000	-0975804.0000
427	+261228.0000	+264929.0000	-0981723.0000	-0991126.0000
429	+322905.0000	+325956.0000	-0983235.0000	-0990734.0000
431	+313059.0000	+320655.0000	-1004732.0000	-1011803.0000
433	+325533.0000	+332501.0000	-0995711.0000	-1003224.0000
435	+301315.0000	+304340.0000	-1000448.0000	-1010018.0000
437	+341609.0000	+344702.0000	-1012736.0000	-1020355.0000
439	+323039.0000	+330130.0000	-0965954.0000	-0973511.0000
441	+320241.0000	+323309.0000	-0993534.0000	-1001039.0000
443	+294355.0000	+304030.0000	-1013611.0000	-1023621.0000

GWCODE 53 - COUNTY LOCATIONAL COORDINATES

FIPS COUNTY CODE	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE
445	+325516.0000	+332521.0000	-1020134.0000	-1023753.0000
447	+325542.0000	+332518.0000	-0985432.0000	-0993015.0000
449	+325805.0000	+332734.0000	-0944647.0000	-0950954.0000
451	+310251.0000	+314335.0000	-1000512.0000	-1011807.0000
453	+295839.0000	+303926.0000	-0972016.0000	-0981051.0000
455	+304812.0000	+312612.0000	-0944839.0000	-0952857.0000
457	+303015.0000	+310652.0000	-0940211.0000	-0944229.0000
459	+323003.0000	+325804.0000	-0944029.0000	-0951110.0000
461	+310209.0000	+314056.0000	-1014338.0000	-1022017.0000
463	+290243.0000	+293906.0000	-0992227.0000	-1000912.0000
465	+291248.0000	+301743.0000	-1003938.0000	-1014717.0000
467	+322037.0000	+325337.0000	-0952616.0000	-0960715.0000
469	+282727.0000	+290702.0000	-0963812.0000	-0972047.0000
471	+302935.0000	+310604.0000	-0952030.0000	-0955403.0000
473	+294147.0000	+301636.0000	-0954620.0000	-0961313.0000
475	+311414.0000	+314128.0000	-1024507.0000	-1033732.0000
477	+300105.0000	+302518.0000	-0960330.0000	-0964829.0000
479	+271226.0000	+281406.0000	-0984644.0000	-1001404.0000
481	+285516.0000	+294008.0000	-0954916.0000	-0964032.0000
483	+350841.0000	+353901.0000	-0995818.0000	-1003410.0000
485	+334753.0000	+341438.0000	-0982307.0000	-0985859.0000
487	+334732.0000	+342920.0000	-0985448.0000	-0993028.0000
489	+261725.0000	+263851.0000	-0972130.0000	-0980237.0000
491	+302207.0000	+305549.0000	-0970731.0000	-0980521.0000
493	+285137.0000	+292743.0000	-0974220.0000	-0982556.0000
495	+313702.0000	+320648.0000	-1024650.0000	-1032347.0000
497	+325723.0000	+332759.0000	-0972134.0000	-0975720.0000
499	+323234.0000	+330123.0000	-0950704.0000	-0954144.0000
501	+325447.0000	+332521.0000	-1023319.0000	-1030605.0000
503	+325557.0000	+332530.0000	-0982328.0000	-0985851.0000
505	+263303.0000	+271904.0000	-0985551.0000	-0992948.0000
507	+283621.0000	+290653.0000	-0992223.0000	-1000901.0000

TEXAS GROUND-WATER LOOKUP TABLES

Electronic Copies

The lookup tables on the preceding pages specify allowable values for many of the fields in the Texas Ground-Water Data Dictionary. Digital copies of these tables are available on the electronic bulletin boards or Internet servers of the Texas Natural Resource Conservation Commission (<http://www.tnrcc.state.tx.us>) and the Texas Natural Resources Information System (<http://www.tnris.state.tx.us>). Digital copies may also be obtained on diskette or tape from the Texas Natural Resource Conservation Commission, Information Resources Division, Customer Reports and Services (512) 239-3282.

Corrections

Please address any corrections to this document to:

Data Management Subcommittee
Texas Groundwater Protection Committee
c/o Ground-Water Assessment Section/MC 147
Water Planning and Assessment Division
Texas Natural Resource Conservation Division
P.O. Box 13087
Austin, Texas 78711-3087

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