



**Barton Springs
Edwards Aquifer**
CONSERVATION DISTRICT

UPDATE TO THE BSEACD COMPILATION OF PUMPING TESTS IN TRAVIS AND HAYS COUNTIES, CENTRAL TEXAS



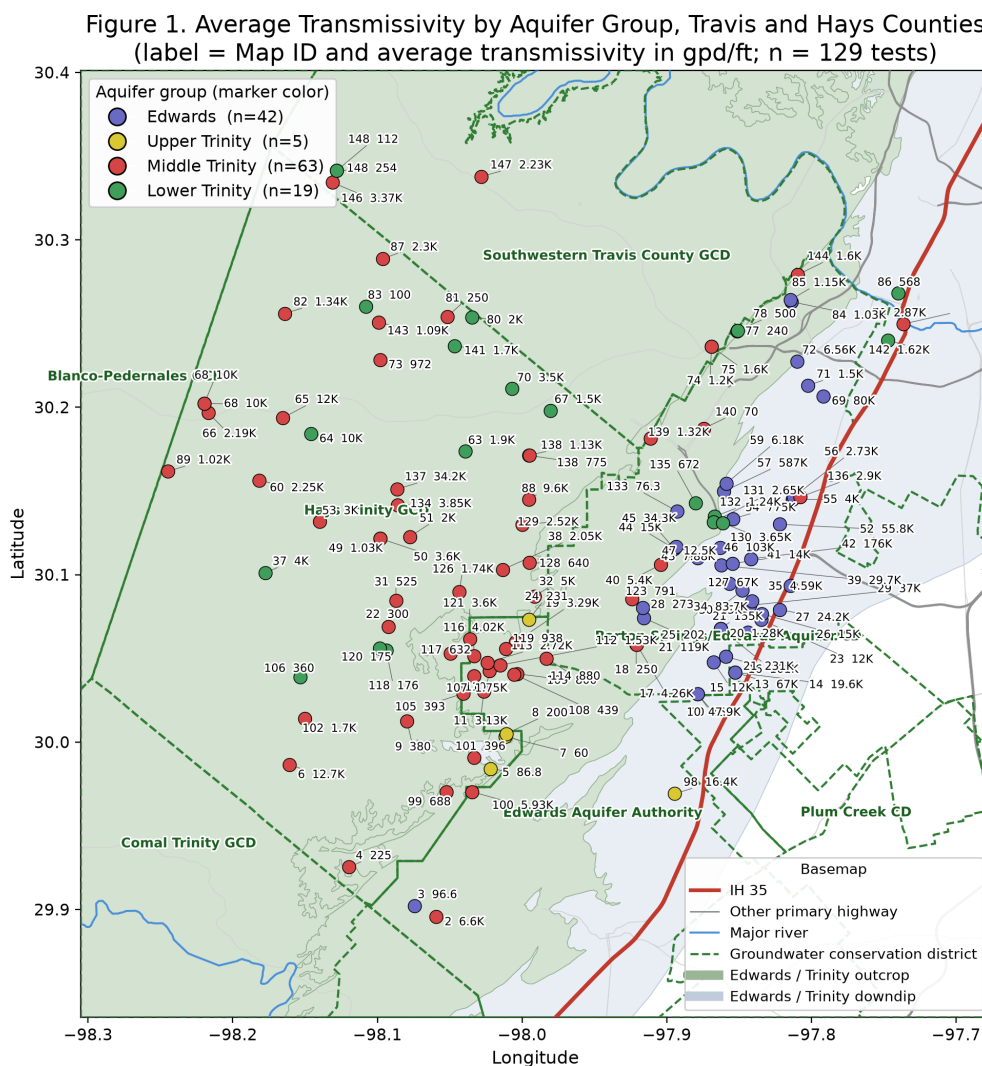
BSEACD Data Series Report 2026-0925

September 2026

Barton Springs/Edwards Aquifer Conservation District
1124 Regal Row
Austin, Texas

Disclaimer

All of the information provided in this report is believed to be accurate and reliable; however, the Barton Springs/Edwards Aquifer Conservation District and contributing authors assume no responsibility for the use of the information provided, as there may be unintended errors and omissions of information.



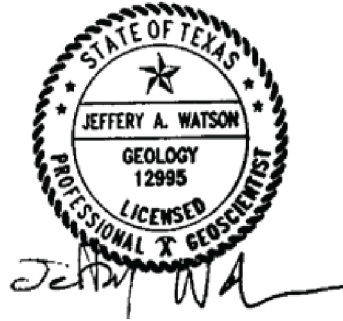
Sources: TWDB (major aquifers; GCD boundaries, Nov 2019; major rivers, from NHD 1:100,000, 2009); US Census TIGER/Line 2023 (roads). Of 133 tests in scope, the 4 without a reported transmissivity are not shown. See Appendix B.

Average transmissivity of the compiled tests by aquifer group, Travis and Hays Counties (Figure 1).

Cover: Aquifer Test pumping well in Hays County, Texas.

UPDATE TO THE BSEACD COMPILATION OF PUMPING TESTS IN TRAVIS AND HAYS COUNTIES, CENTRAL TEXAS

Jeff Watson, P.G., Justin Camp and Bri Moore
Barton Springs/Edwards Aquifer Conservation District



Prepared as an update to BSEACD Data Series Report 2010-0701, Compilation of Pumping Tests in Travis and Hays Counties, Central Texas (Hunt, Smith, Kromann, Wierman and Mikels, July 2010).

UPDATE TO THE BSEACD COMPILATION OF PUMPING TESTS IN TRAVIS AND HAYS COUNTIES, CENTRAL TEXAS

BSEACD General Manager

Charlie Flatten

BSEACD Board of Directors

Jon Cradit

Precinct 1

Blayne Stansberry

Precinct 2

Lily Lucas, Vice President

Precinct 3

Christy Williams, Secretary

Precinct 4

Vanessa Puig-Williams, President

Precinct 5

BSEACD Data Series Report 2026-0925

September 2026

Barton Springs/Edwards Aquifer Conservation District

1124 Regal Row

Austin, Texas

Contents

Abstract

1. Introduction

2. Methods

2.1 Data compilation

2.2 Statistical analysis and mapping

3. Results

4. Acknowledgements

5. References

Appendix A. Compiled data table

Appendix B. Source-report issues and value-selection decisions

Appendix C. Map key

Figures

Figure 1. Average transmissivity by aquifer group, Travis and Hays Counties

Figure 2. Storativity by aquifer group, Travis and Hays Counties

Figure 3. Transmissivity and storativity by aquifer group, all compiled tests

Figure 4. Transmissivity and storativity by aquifer group, tests within the BSEACD boundary

Figure 5. Hydraulic conductivity compared with published ranges (after Freeze and Cherry, 1979)

Tables

Table 1. Test count by aquifer group

Table 2. Who prepared the compiled reports

Table 3. Unit conversions used

Table 4. Transmissivity statistics by aquifer group

Table 5. Hydraulic conductivity statistics by aquifer group

Table 6. Storativity statistics by aquifer group

Table 7. The 2010 report compared with this update

Table B-1. Issues identified in the original source reports

Table B-2. Wells with more than one analysis

Abstract

This update supersedes BSEACD Data Series Report 2010-0701, Compilation of Pumping Tests in Travis and Hays Counties, Central Texas, which compiled 95 tests conducted through July 2010. Adding the tests reported since and holding to that report's Travis and Hays County scope, the compilation now covers 142 tests spanning test years 1961 through 2024: 44 in the Edwards Aquifer, 5 in the Upper Trinity, 74 in the Middle Trinity and 19 in the Lower Trinity. Every record was checked against its original source report; the discrepancies found and the decisions made about which reported value to use are documented in Appendix B.

Median transmissivity remains highest in the Edwards Aquifer (15,000 gpd/ft), followed by the Middle Trinity (1,700 gpd/ft), the Lower Trinity (1,500 gpd/ft) and the Upper Trinity (200 gpd/ft). Hydraulic conductivities fall within the ranges published for karst limestone, limestone and dolomite, and sandstone. Most of the added tests are Middle Trinity, 42 of 55, which more than doubles that aquifer's sample and lowers its median transmissivity from the 2,275 gpd/ft published in 2010 to 1,700 gpd/ft. Storativity data are more sparse because many tests lacked observation well data, with only 55 of the 133 tests providing reliable storativity estimates.

The compiled data table is Appendix A. It is intended, as the 2010 report was, as a data resource for groundwater availability assessment, permit review, and regional groundwater modeling, and not as an endorsement of any individual reported value or analytical method.

1. Introduction

An aquifer test measures how an aquifer responds to being pumped. A well is pumped at a controlled, measured rate for a set period, typically a day or more, while water levels are recorded in the pumped well and, where possible, in one or more nearby wells; levels are recorded again as they recover after the pump is switched off. Matching the drawdown and recovery response against standard analytical solutions yields two numbers that describe the aquifer: transmissivity and storativity.

Transmissivity measures how readily water moves laterally through the full thickness of an aquifer toward a pumping well. An aquifer with high transmissivity can supply a large well with little drop in water level; one with low transmissivity cannot, and the water level in and around the well falls steeply. It is reported here in gallons per day per foot (gpd/ft). Hydraulic conductivity is the same property expressed per foot of aquifer thickness, that is, transmissivity divided by the saturated thickness of the producing aquifer; because it removes the influence of how thick the tested interval happened to be, it is the better number for comparing one part of an aquifer with another or with published values for similar rock types.

Storativity measures how much water an aquifer releases from storage as its water level falls: the volume released from a column of aquifer one foot square for each foot the water level drops. It is a ratio, so it has no units and is always a small number. Where an aquifer is confined beneath a low-permeability layer, water is released only by slight expansion of the water and compression of the rock, and storativity typically runs between about 0.000001 and 0.001. Where it is unconfined, so that pores actually drain when water level drops, values are far higher, roughly 0.05 to 0.3. Most of the aquifer tests in this data compilation were conducted under confined conditions.

Together, transmissivity and storativity help to inform many of the quantitative questions the District is asked: how far a neighboring well's water level will fall after a month, a year or three years of pumping at a proposed rate, whether a permit is likely to cause unreasonable impacts to existing wells or to springflow, and what hydraulic properties to assign in regional groundwater availability models.

Estimates of transmissivity and storativity come from analytical models that assume a uniform aquifer of constant thickness and effectively infinite extent. Real aquifers depart from that, and for the karstic Edwards and Trinity aquifers within the District, this is especially true. Much of the study area sits within the Balcones fault zone, where displacement along numerous normal faults can create either a barrier to flow across a fault or increased flow along it, and where streams, karst features and the recharge zone can act as sources of water. Such boundary conditions leave a signature in the data: drawdown steepens once the cone of depression reaches a barrier and flattens once it reaches a source of water. Fitted without recognizing that, the first returns a transmissivity that is too low and the second one that is too high. Thus, accurate estimation of aquifer parameters requires accounting for these boundary conditions, and estimated transmissivity and storativity values may vary substantially depending on the assumptions made and who is performing the analysis. District guidelines require a report to identify boundary conditions at the site and to account for any departure of the measured data from the theoretical curve (BSEACD, 2025). Values compiled here should be read as estimates for the tested well under the conditions of that test.

This update supersedes BSEACD Data Series Report 2010-0701, Compilation of Pumping Tests in Travis and Hays Counties, Central Texas (Hunt, Smith, Kromann, Wierman and Mikels, July 2010; hereafter the 2010 report). That report compiled 95 tests conducted through that date, of which 87 are in Travis and Hays Counties. This update adds 55 tests in those counties performed or reported since, bringing the published compilation to 142 tests spanning test years 1961 through 2024.

The balance of the dataset has changed. The 2010 report was dominated by the Edwards Aquifer, which accounted for 42 of its 87 Travis and Hays County tests. Of the 55 tests added here, 42 are Middle Trinity and 10 are Lower Trinity, and only 2 are Edwards. The combined compilation is now Middle Trinity 74 against Edwards 44 (Table 1), reflecting where permitting-driven aquifer testing has occurred over the past fifteen years as demand has moved onto the Trinity aquifers west of the Edwards recharge zone.

Not all of these tests lie within the District. Of the 142 published, 80 fall inside the BSEACD boundary; the rest are in neighboring groundwater conservation districts, chiefly the Hays Trinity and Southwestern Travis County Groundwater Conservation Districts west of the recharge zone. The split is very uneven by aquifer. All 44 Edwards tests are within the District, while only 29 of 74 Middle Trinity tests, 5 of 19 Lower Trinity and 2 of 5 Upper Trinity tests are within District boundaries (Table 1). Tests from neighboring districts are retained because they describe the same aquifers and materially improve the Trinity sample; District-only statistics are reported separately in the Results.

Table 1. Test count by aquifer group. The last column counts the tests whose coordinates fall inside the BSEACD boundary; the remainder lie in neighboring groundwater conservation districts and are retained because they describe the same aquifers.

Aquifer group	Number of tests	From the 2010 report	Added by this update	Within the BSEACD boundary
Edwards	44	42	2	44
Upper Trinity	5	4	1	2
Middle Trinity	74	32	42	29
Lower Trinity	19	9	10	5
Total	142	87	55	80

2. Methods

2.1 Data compilation

Almost every test compiled here was run to satisfy a regulatory requirement, and the reports that document them follow, more or less closely, the District's guidelines for hydrogeologic reports and aquifer testing (BSEACD, 2025). A conforming report describes the well site, sets out a hydrogeologic conceptual model, documents the test, presents drawdown and recovery with the fitted theoretical curve, states the analytical method and resulting parameters, and projects the effect of the proposed pumping on surrounding water levels. Not every report contains all of these. They span six decades and dozens of authors, and range from single-page District staff memoranda to full consultant reports; some are water availability studies prepared for county subdivision platting rather than for a District permit. Table 2 shows who prepared the reports. Formats vary and the information needed is often scattered among text, tables, figures, appendices and well logs, and each report required individual review.

Table 2. Who prepared the compiled reports. Percentages are of the 142 published tests; several reports document more than one tested well.

Report prepared by	Number of Tests	Percent of Tests
Consulting firm or independent professional	125	88%
BSEACD staff	13	9%
Another agency or groundwater conservation district	3	2%
Not reported	1	1%

Compiled from each test, where available, were the location and date, the pumping and observation wells, well construction and aquifer completion, pumping rate and duration, drawdown response, analytical methods, and the author's estimates for transmissivity, hydraulic conductivity and storativity. These were merged with a digitized copy of the 2010 report's Appendix 1, verified against it, to give a master table of 169 records identified A001 to A095 for the 2010 records and B096 to B169 for those compiled since. Restricting that table to Travis and Hays Counties, and setting aside one record whose source report could not be located for verification, leaves the 142 records published here.

Several conventions keep the combined dataset consistent. Only the nearest and farthest observation wells were recorded. Where a source reported transmissivity from more than one method, the average, minimum and maximum were recorded, unless the evaluator identified one value as most reasonable, in which case that value was used. Units were standardized by the factors in Table 3, and hydraulic conductivity calculated as transmissivity divided by aquifer thickness where it was not reported. The 2010 report's map identifiers 1 through 89 are preserved, with later sites continuing from 90 by ascending latitude (Appendix C). Coordinates were vetted and ambiguous entries resolved, with the original wording kept alongside the value used.

For storativity entries, only values derived from monitor-well data rather than pumping-well data enter any table or figure. Values were excluded if the test had no observation well, if the source calls it assumed, estimated or taken from the literature, if it was borrowed from another well, or if it falls far outside reasonable expected ranges for the aquifers being tested. That leaves 55 of 133 tests with a usable storativity, against 129 with a usable transmissivity.

Every record was checked field by field against its original source report. Where a report gives more than one value for a parameter, or gives a value its own text disclaims, the value used here and the reason for it are stated in Appendix B; where a value could not be confirmed it is published as reported and flagged there. Nine of the 142 published records are excluded from the statistics so that no physical test is counted twice and no known artifact influences a summary; all nine remain in Appendix A, flagged, and each is explained in Appendix B. This leaves 133 tests as the basis for everything reported here.

Table 3. Unit conversions used throughout the compilation, after the conversion table on page iv of the 2010 report. T is transmissivity and b is saturated aquifer thickness.

Parameter	From	To	Multiply by
Transmissivity	square feet per day (ft ² /d)	gallons per day per foot (gpd/ft)	x 7.48
Transmissivity	gallons per day per foot (gpd/ft)	square feet per day (ft ² /d)	/ 7.48
Hydraulic conductivity	gallons per day per square foot (gpd/ft ²)	feet per day (ft/d)	x 0.1337
Hydraulic conductivity	feet per day (ft/d)	gallons per day per square foot (gpd/ft ²)	x 7.48
Hydraulic conductivity	transmissivity and aquifer thickness	hydraulic conductivity	$K = T / b$

2.2 Statistical analysis and mapping

Summary statistics are computed by aquifer group: minimum, first quartile, median, third quartile, maximum, arithmetic mean and sample size, for transmissivity (Table 4), hydraulic conductivity (Table 5) and storativity (Table 6). The median is the preferred summary throughout, because these properties span several orders of magnitude within a single unit and the mean is pulled toward the largest few values. In cases where more than one analysis of test data was performed for a given aquifer test, only one value per test was selected to represent that test in the statistical dataset. If a BSEACD staff analysis of test data was available, that value was selected as the default value for use in statistics.

Limitations of the compiled dataset

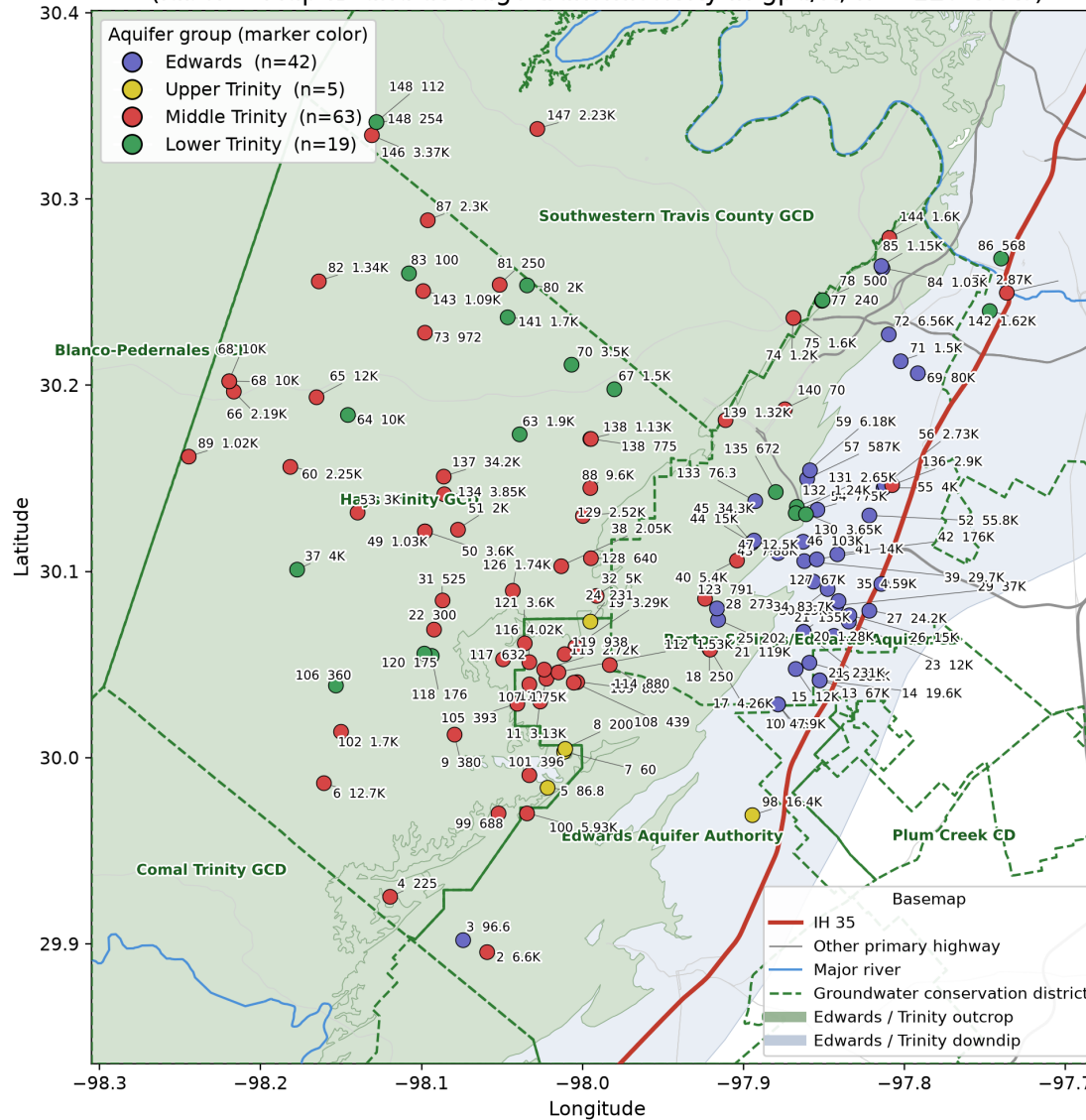
The compilation draws on tests conducted by different investigators using different designs, methods and assumptions over more than six decades, so differences among reported parameters may reflect genuine aquifer variability or differences in how a test was run and interpreted. Inclusion of a value here is not an endorsement of it or of the method that produced it, and individual results should be read in the context of their source report. Plausibility thresholds were set relative to each aquifer rather than absolutely, since transmissivities that would be implausible in the Trinity are ordinary in the karstic Edwards.

The storativity sample is much smaller than the transmissivity sample, at 55 values against 129, and smaller still within groups: the Upper Trinity contributes two usable values and the Lower Trinity eight, so quartiles from them are indicative only. The 2010 comparison in Table 7 is affected by a discrepancy internal to that report, set out in Appendix B. Finally, the compilation records tests, not wells; where two records would double-count one physical test, one was chosen to represent it and the reason given in Appendix B.

3. Results

Figure 1 maps average transmissivity for the 129 tests that report one and can be located; Figure 2 maps storativity for the 55 tests with an observation-well-derived value. Both show the same spatial pattern. Edwards tests fall in a northeast-trending belt along and east of the recharge zone, from south Austin through Buda and Kyle, following the Balcones fault zone and the Interstate 35 corridor; Trinity tests occupy the Hill Country to the west. Almost every test lies within the outcrop or shallower downdip extent of the Edwards or Trinity aquifers. For the Trinity Aquifers, all tests lie west of the IH-35 corridor, and most are concentrated along the western boundary of the District where aquifer units are shallower, and less data was available downdip in the deeper portions of the aquifer.

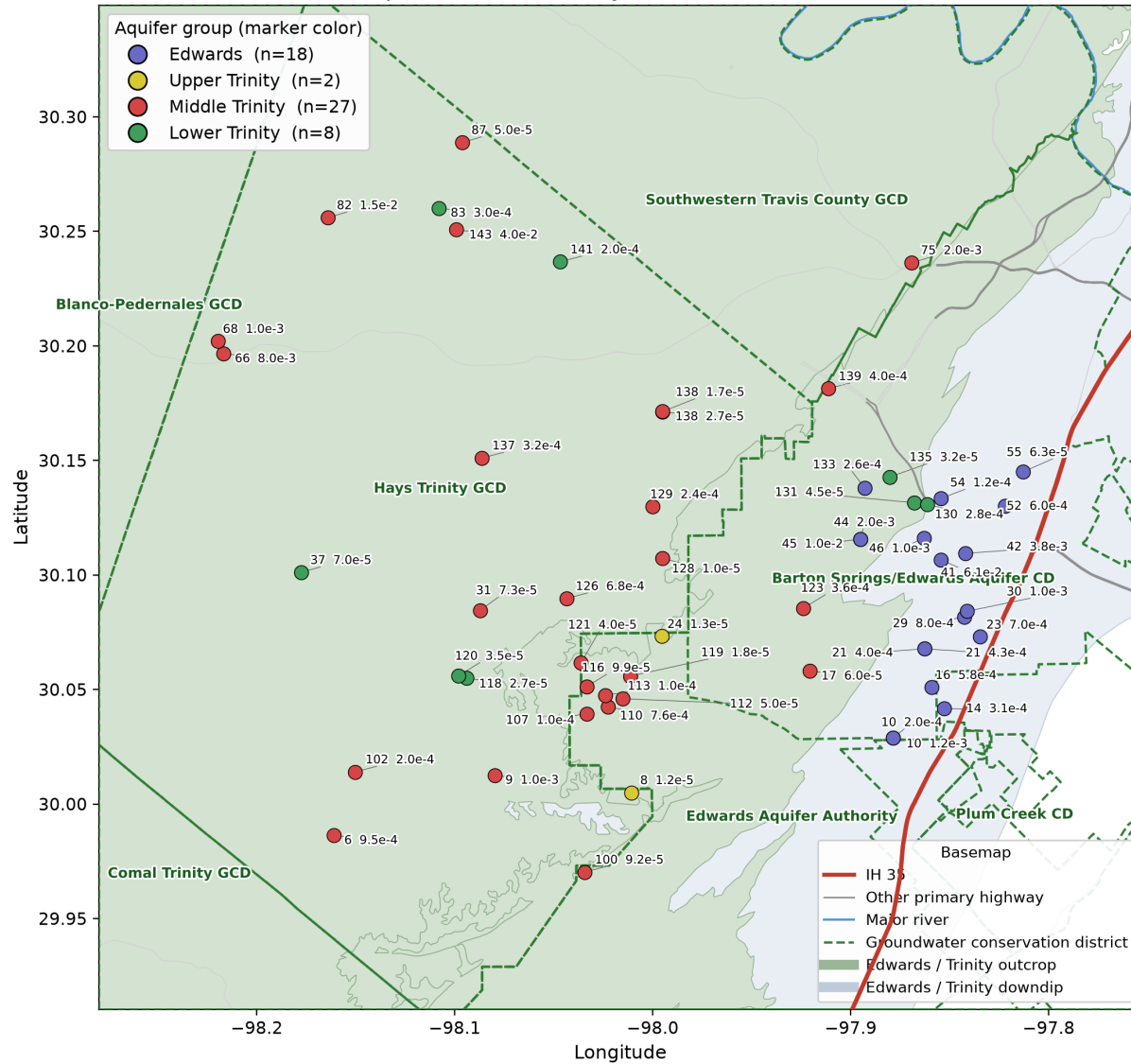
Figure 1. Average Transmissivity by Aquifer Group, Travis and Hays Counties
(label = Map ID and average transmissivity in gpd/ft; n = 129 tests)



Sources: TWDB (major aquifers; GCD boundaries, Nov 2019; major rivers, from NHD 1:100,000, 2009); US Census TIGER/Line 2023 (roads).
Of 133 tests in scope, the 4 without a reported transmissivity are not shown. See Appendix B.

Figure 1. Average transmissivity by aquifer group, Travis and Hays Counties. Color shows the aquifer group; each label gives the map identifier (Appendix C) and the average transmissivity in gallons per day per foot.

Figure 2. Storativity by Aquifer Group, Travis and Hays Counties
(label = Map ID and storativity, dimensionless; n = 55 tests)



Sources: TWDB (major aquifers; GCD boundaries, Nov 2019; major rivers, from NHD 1:100,000, 2009); US Census TIGER/Line 2023 (roads).
Of 133 tests in scope, 55 have an observation-well-derived storativity and all are shown. See Appendix B.

Figure 2. Storativity by aquifer group, Travis and Hays Counties. Only tests with an observation-well-derived storativity are shown.

Figure 3 and Tables 4 through 6 summarize the results by aquifer group. Median transmissivity is highest in the Edwards at 15,000 gpd/ft, followed by the Middle Trinity at 1,700 gpd/ft, the Lower Trinity at 1,500 gpd/ft and the Upper Trinity at 200 gpd/ft. The same ordering appears in hydraulic conductivity (Table 5), where the Edwards median of 5.71 ft/day is about three times the Middle Trinity median of 1.88 ft/day and nearly eight times the Lower Trinity median of 0.75 ft/day.

Storativity (Figure 3, right panel, and Table 6) is consistent with predominantly confined conditions. Median storativity is 0.00065 in the Edwards, 0.0002 in the Middle Trinity, 0.0000575 in the Lower Trinity and 0.0000125 in the Upper Trinity, and the interquartile ranges of all four groups lie below 0.01. The few values reaching into the unconfined range come from wells completed in or near outcrop. The Upper Trinity boxes rest on three values respectively and are indicative only.

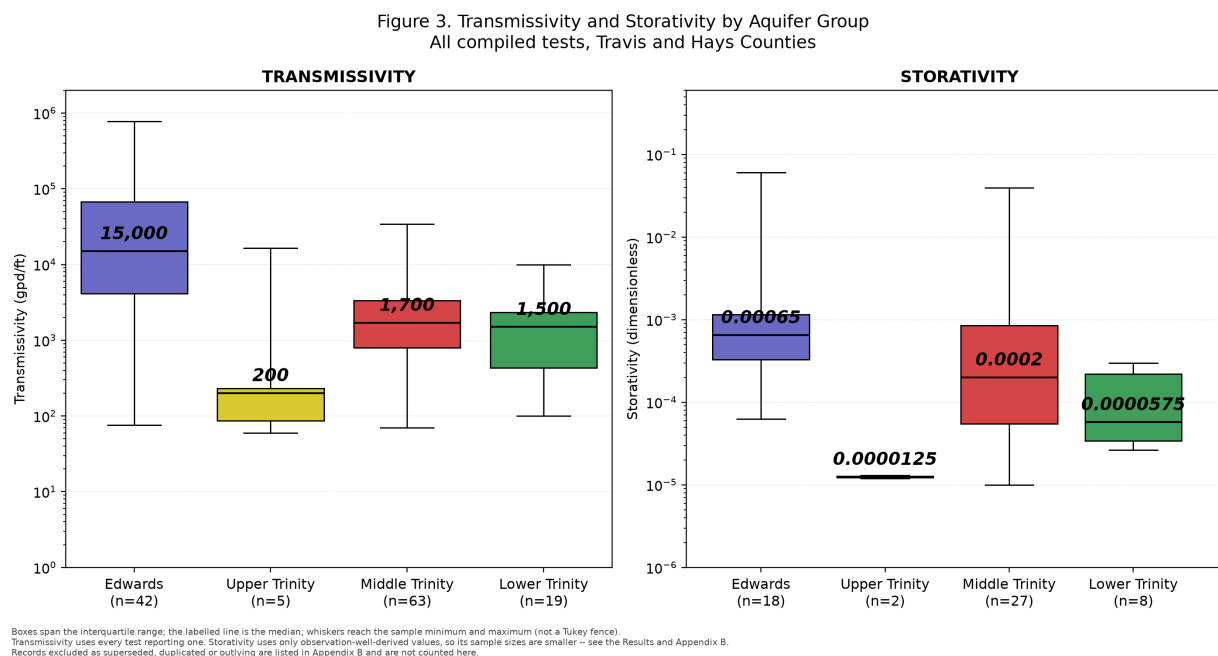


Figure 3. Transmissivity and storativity by aquifer group, all compiled tests. Boxes span the interquartile range, the labelled line is the median, and the whiskers reach the sample minimum and maximum.

Restricting the plot to the 74 tests inside the BSEACD boundary (Figure 4) leaves the Edwards statistics essentially unchanged, since nearly all Edwards tests in the compilation are within the District. The Trinity samples thin considerably: the Middle Trinity falls to 23 tests, the Lower Trinity to 5 and the Upper Trinity to two. Two tests are not a distribution, so the Upper Trinity box in Figure 4 is simply those two values and no District-only Upper Trinity statistic should be read as characterizing the aquifer.

Figure 4. Transmissivity and Storativity by Aquifer Group
Tests Within the BSEACD Boundary Only

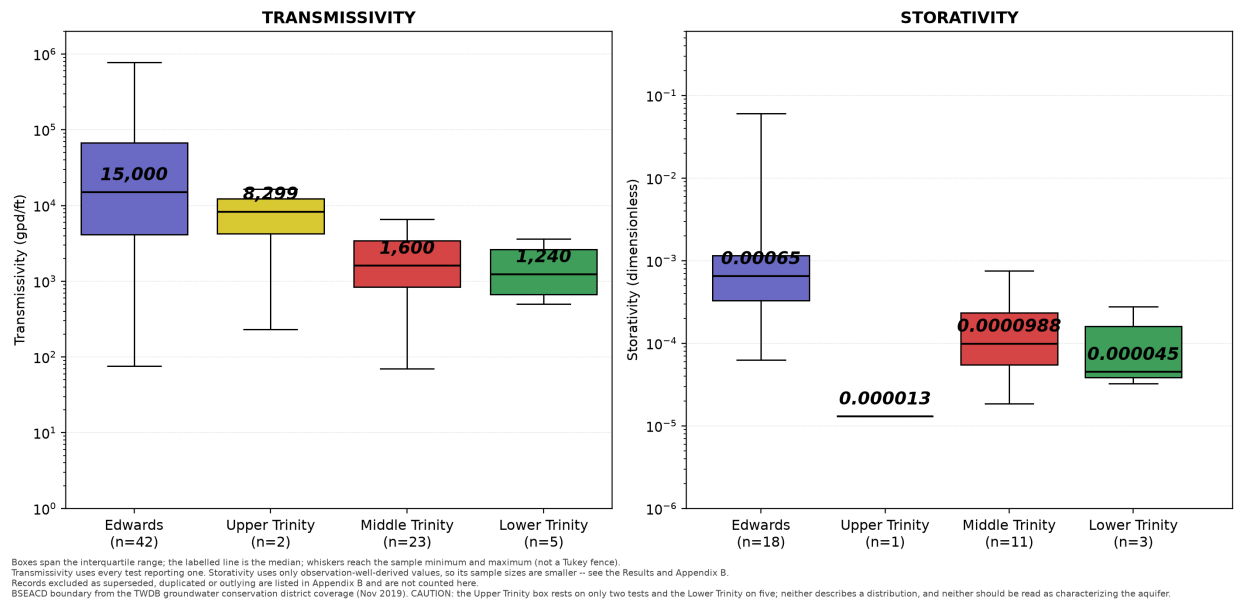


Figure 4. Transmissivity and storativity by aquifer group, tests within the BSEACD boundary only. Same conventions as Figure 3.

Table 4. Transmissivity statistics by aquifer group (gpd/ft).

Statistic	Edwards	Upper Trinity	Middle Trinity	Lower Trinity
Minimum	76	60	70	100
Maximum	774,565	16,366	34,170	10,000
Average	70,025	3,389	3,130	1,917
Median	15,000	200	1,700	1,500
Q1 (25%)	4,146	87	796	430
Q3 (75%)	67,000	231	3,329	2,325
n (count)	42	5	63	19

Table 5. Hydraulic conductivity statistics by aquifer group (ft/day).

Statistic	Edwards	Upper Trinity	Middle Trinity	Lower Trinity
Minimum	0.040	0.058	0.040	0.045
Maximum	334.8	18.23	56.65	6.70
Average	27.61	6.13	7.82	1.46
Median	5.71	0.095	1.88	0.750
Q1 (25%)	1.60	0.076	0.708	0.214
Q3 (75%)	24.10	9.16	5.53	1.56
n (count)	40	3	59	17

Table 6. Storativity statistics by aquifer group (dimensionless). Only observation-well-derived values are included.

Statistic	Edwards	Upper Trinity	Middle Trinity	Lower Trinity
Minimum	6.29e-05	1.20e-05	1.00e-05	2.66e-05
Maximum	6.05e-02	1.30e-05	3.97e-02	3.00e-04
Average	4.66e-03	1.25e-05	2.64e-03	1.23e-04
Median	6.50e-04	1.25e-05	2.00e-04	5.75e-05
Q1 (25%)	3.31e-04	1.22e-05	5.51e-05	3.42e-05
Q3 (75%)	1.15e-03	1.27e-05	8.54e-04	2.19e-04
n (count)	18	2	27	8

Figure 5 places the compiled hydraulic conductivities against ranges published for common rock types by Freeze and Cherry (1979). The Edwards distribution falls within the published karst limestone range and extends above the limestone and dolomite range. The Middle and Lower Trinity distributions straddle the boundary between limestone and dolomite and sandstone.

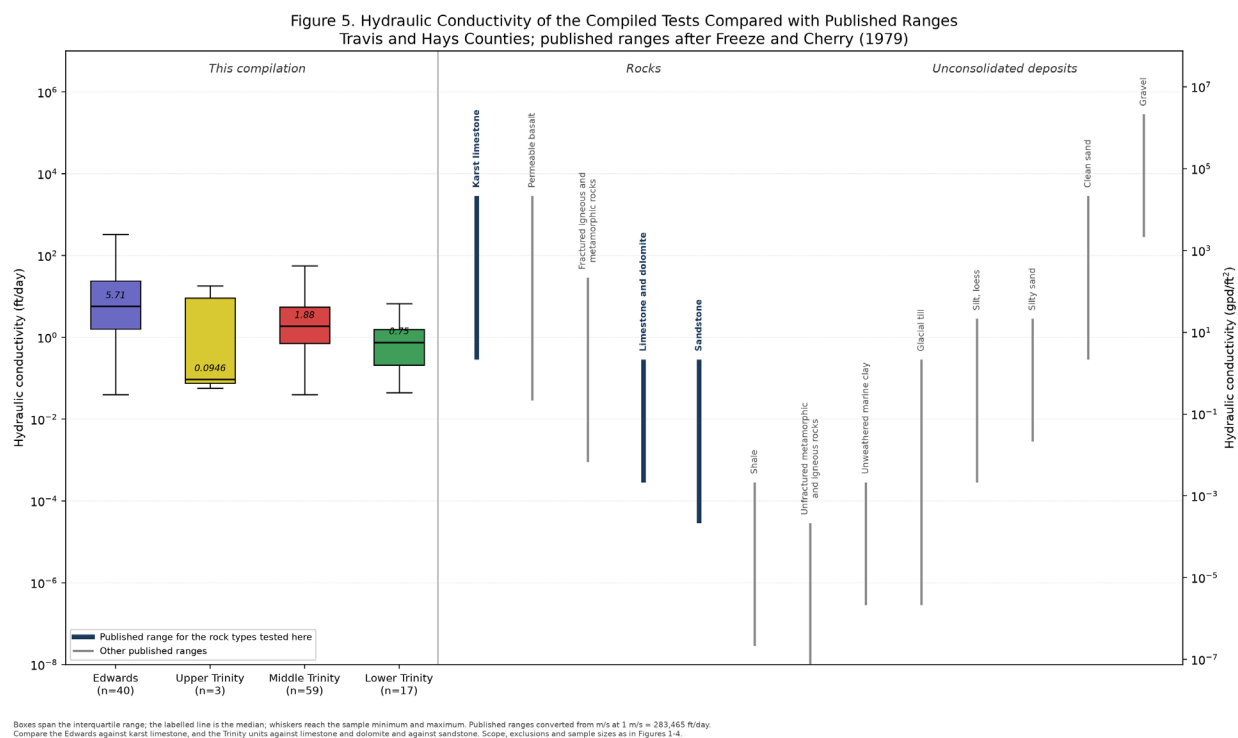


Figure 5. Hydraulic conductivity of the compiled tests compared with ranges published for common rock and sediment types by Freeze and Cherry (1979). The three ranges relevant to the units tested here are drawn in bold.

Table 7 sets the 2010 report's published statistics beside the updated ones, with an intermediate column recomputing the 2010 report's own tests under this update's scope and corrections. The Edwards is barely changed; only 2 Edwards tests were added and its median transmissivity is unchanged at 15,000 gpd/ft. The Middle Trinity changes most: its sample rises from 34 published values to 63, its median transmissivity falls from 2,275 to 1,700 gpd/ft and its median hydraulic conductivity from 4.99 to 1.88 ft/day. The Lower Trinity median is unchanged at 1,500 gpd/ft on a sample that has roughly doubled. The Upper Trinity remains too sparsely tested to characterize, at five tests, one of which is

about two orders of magnitude above the other four and controls the group maximum wherever it appears.

Table 7. The 2010 report compared with this update. "2010" is that report as published; "Recomputed" is its own tests under this update's scope and corrections; "Update" is the full compilation published here. On the 2010 storativity counts, and on the missing Upper Trinity conductivity median, see Appendix B.

Parameter	Aquifer group	2010 n	2010 median	Recomp uted n	Recomputed median	Update n	Update median
Transmissivity	Edwards	40	15,000	40	15,000	42	15,000
Transmissivity	Upper Trinity	4	143	4	143	5	200
Transmissivity	Middle Trinity	34	2,275	31	2,250	63	1,700
Transmissivity	Lower Trinity	11	1,500	9	1,900	19	1,500
Hydraulic conductivity	Edwards	38	5.71	38	5.71	40	5.71
Hydraulic conductivity	Upper Trinity	2		2	0.08	3	0.09
Hydraulic conductivity	Middle Trinity	30	4.99	27	4.26	59	1.88
Hydraulic conductivity	Lower Trinity	8	1.34	7	1.56	17	0.75
Storativity	Edwards	15	8.50e-04	17	7.00e-04	18	6.50e-04
Storativity	Upper Trinity	3	1.20e-05	2	1.25e-05	2	1.25e-05
Storativity	Middle Trinity	19	5.00e-05	9	1.00e-03	27	2.00e-04
Storativity	Lower Trinity	3	5.00e-05	2	1.85e-04	8	5.75e-05

Four published records (A051, A060, B164, B165) carry no hydraulic parameters at all, because the underlying report was never completed or does not disclose its results; they count as tests compiled but contribute to no figure or statistic, which is why the counts in Table 1 exceed the sample sizes in Tables 4 through 6.

4. Acknowledgements

This compilation represents the collective efforts of numerous consulting and agency geologists, hydrogeologists, engineers, and other groundwater professionals who conducted, analyzed, documented, and preserved the aquifer-test data summarized in this report. The considerable time, expertise, and technical work represented by these studies provided the foundation for this compilation and are gratefully acknowledged. Their contributions have helped build a valuable body of hydrogeologic information that continues to improve our understanding of the region's aquifers.

Several individuals and organizations also provided valuable assistance in locating and sharing reports and data and offering thoughtful comments dating back to the original 2010 compilation. BSEACD would particularly like to thank the Hays Trinity Groundwater Conservation District for sharing aquifer-test reports and information from within their district.

BSEACD also recognizes the many current and former District staff who, since 2010, have helped plan, conduct, analyze, and review pumping tests included in this compilation. These individuals include Brian B. Hunt, P.G.; Brian A. Smith, Ph.D., P.G.; Kirk Holland, P.G., John Dupnik, P.G.; Robin Gary; Alan Andrews, P.G.; Lane Cockrell; and Erin Swanson.

5. References

- Barton Springs/Edwards Aquifer Conservation District, 2025, Guidelines for Hydrogeologic Reports and Aquifer Testing: Aquifer Science Staff, board adopted April 10, 2025, 18 p. Revised from the 2016 version, itself revised from the January 2007 guidelines reproduced as Appendix 3 of Hunt and others (2010).
- Driscoll, F.G., 1986, Groundwater and Wells, second edition: Johnson Screens, St. Paul, Minnesota, 1,089 p.
- Freeze, R.A., and Cherry, J.A., 1979, Groundwater: Prentice-Hall, Englewood Cliffs, New Jersey, 604 p.
- Heath, R.C., 1983, Basic Ground-Water Hydrology: U.S. Geological Survey Water-Supply Paper 2220, 84 p.
- Hunt, B.B., Smith, B.A., Kromann, J., Wierman, D.A., and Mikels, J.K., 2010, Compilation of Pumping Tests in Travis and Hays Counties, Central Texas: Barton Springs/Edwards Aquifer Conservation District Data Series Report 2010-0701, July 2010, 86 p.
- Hunt, B.B., and Smith, B.A., 2016, Evaluation for Unreasonable Impacts: Needmore Water, LLC, Well D Permit Application: Barton Springs/Edwards Aquifer Conservation District Technical Memo 2016-1115, November 15, 2016.
- Hunt, B.B., and Smith, B.A., 2018, Aquifer Parameter Estimation for the EP Well Field, Hays County, Texas: Barton Springs/Edwards Aquifer Conservation District Technical Memo 2018-0213, February 13, 2018.
- Kruseman, G.P., and de Ridder, N.A., 1992, Analysis and Evaluation of Pumping Test Data, second edition: International Institute for Land Reclamation and Improvement Publication 47, Netherlands, 377 p.
- Texas Water Development Board, 2019, Groundwater Conservation Districts of Texas [shapefile], November 2019.
- Texas Water Development Board, Major Aquifers of Texas [shapefile], <https://www.twdb.texas.gov/mapping/gisdata.asp>.
- U.S. Census Bureau, 2023, TIGER/Line Shapefiles: Primary and Secondary Roads, Texas.
- Weight, W.D., and Sonderegger, J.L., 2001, Manual of Applied Field Hydrogeology: McGraw-Hill, 608 p.
- Wet Rock Groundwater Services, L.L.C., 2016, Report of Findings WRGS 16-004: Hydrogeologic Report of the Needmore Water, LLC Well D, Hays County, Texas, March 2016.

Appendix A. Compiled Data Table

The tables below list all 142 tests in the published compilation, in the four-block layout of the 2010 report's Appendix 1: general report information (Table A-1), the tested well and the pumping test (Table A-2), the observation wells (Table A-3), and the hydraulic parameters the test produced (Table A-4). Every record appears in all four tables, keyed by its record identifier and site name. "S used in statistics" records whether that test's storativity meets the observation-well rule described in the Methods section of this report; "Test used in statistics" records whether the record as a whole enters the figures and summary tables, the nine exceptions being explained in Appendix B.

Key, following the 2010 report: nd = no data; e = estimated; n/a = not applicable; ~ = approximately. These appear where the source text uses them; a blank cell means the value was not reported. Numeric values are those adopted for this report, including the corrections documented in Appendix B. The comment columns reproduce the compiler's notes on the source report as written.

Table A-1. General report information.

Record ID	Map ID	Site name	Report name	Well ID	Report date	Aquifer as reported	Aquifer group	Latitude	Longitude	Prepared by	County
A002	2	Bridlewood	Ground-Water Resource Investigation for the Bridlewood Ranches Development Hays County, Texas	Bridlewood No. 1 (68088--)	2003-04-01	Middle Trinity	Middle Trinity	29.895567	-98.059483	LBG-Guyton Associates	Hays
A003	3	Bridlewood	Ground-Water Resource Investigation for the Bridlewood Ranches Development Hays County, Texas	Bridlewood West Windmill	2003-04-01	Edwards	Edwards	29.902267	-98.074267	LBG-Guyton Associates	Hays
A004	4	Cielo	Water Availability Study Cielo Ranch A Proposed Subdivision in Hays County, Texas (has updates by JM)	Cielo PW-1	2004-11-01	Middle Trinity	Middle Trinity	29.925306	-98.119639	Banks & Associates, Erin K. Banks	Hays
A005	5	Little Arkansas	Water Availability Investigation: Little Arkansas Tract, Hays County, Texas	Little Arkansas Well	2000-01-02	Upper Trinity Aquifer	Upper Trinity	29.984011	-98.021742	GEOS Consulting	Hays
A006	6	Las Misiones	Water Availability Certification Las Misiones Hill Country Estates Wimberley, Hays County, Texas	Las Misiones Well #3	2005-06-01	Middle Trinity	Middle Trinity	29.986472	-98.160972	Premier Hydro	Hays
A007	7	Hermosa	Water Availability Study Hermosa Paloma Subdivision Hays County, Texas	Hermosa PW-1	2006-01-01	Upper Trinity Aquifer	Upper Trinity	30.003194	-98.011444	Banks & Associates, Erin K. Banks	Hays
A008	8	River Mountain Ranch	Water Availability Investigation: River Mountain Ranch-Section 6, Phase 2 Hays County, Texas	RMR Test well (5764903)	2001-07-27	Upper & Middle Trinity Aquifer	Upper Trinity	30.005000	-98.010833	GEOS Consulting	Hays
A009	9	Pinnacle Ridge	Water Availability Study for Pinnacle Ridge Estates a Proposed Subdivision Hays County, Texas	Pinnacle Ridge PW-1	2007-01-29	Middle Trinity	Middle Trinity	30.012583	-98.079639	Banks & Associates, Erin K. Banks	Hays
A010	10	Kyle No.4	Well Testing and Hydrogeologic Report: City of Kyle Well No. 4 Hays County, Texas	Kyle No. 4 Well with Plum Creek (5857916) (--9N1)	1998-01-01	Edwards	Edwards	30.028830	-97.878740	GEOS Consulting, Wellspec Company, Kiva Productions	Hays
A011	10	Kyle No.4	Hydrogeologic Report in Support of an Application for a Class B Conditional Pumpage Permit	Kyle No. 4 Well (5857916)	2008-11-17	Edwards	Edwards	30.028830	-97.878740	GEOS Consulting	Hays
A012	11	Mustang (True) Ranch	Groundwater Availability Study of Mustang Ranch Subdivision	Mustang Ranch 54A (57638--)	2008-06-24	Middle Trinity	Middle Trinity	30.030278	-98.026389	Wet Rock Groundwater Services, L.L.C	Hays
A014	13	Monarch #4	Well Testing and Hydrogeologic Report - Monarch Utilities, Inc., Plum Creek Water System, Hays County, Texas	Monarch #4 Well (5858708)	2007-07-23	Edwards	Edwards	30.041666	-97.852777	Thornhill Group, Inc.	Hays
A015	14	Plum Creek (Tecon) No. 3	Plum Creek Water System Well #3 Hydrogeologic Report	PCWS Well #3 (5858708)	2003-09-14	Edwards	Edwards	30.041666	-97.852777	Wet Rock Groundwater Services	Hays
A016	15	Goforth No.5	Hydrogeologic Report in Support of a Pumpage Permit Application: Goforth W.S.C. No. 5 Well, Hays County, Texas	Goforth Well No. 5 (58584G5 58584GF)	2000-10-19	Edwards	Edwards	30.047778	-97.867778	GEOS Consulting	Hays
A017	16	Centex Well 415	Geohydrologic Repot Centex	5858415	1993-08-01	Edwards	Edwards	30.051111	-97.859166	R.W. Harden & Associates, Inc.	Hays

Record ID	Map ID	Site name	Report name	Well ID	Report date	Aquifer as reported	Aquifer group	Latitude	Longitude	Prepared by	County
A018	17	Ruby Ranch No. 5	Draft: Figures & Tables from: Hydrogeologic Report in support of an application for a pumpage permit volume amendment	Well No. 5	2011-02-24	Middle Trinity	Middle Trinity	30.058210	-97.920700	GEOS Consulting	Hays
A019	18	Ruby Ranch No. 4	Hydrogeologic Report in Support of a Pumpage Volume Amendment Application: TWC Enterprises/ Ruby Ranch, Hays County, Texas	58575TWC4 5857512	2001-09-10	Edwards	Edwards	30.058611	-97.921110	GEOS Consulting	Hays
A020	19	Running Rope/Sierra West	Water Availability Investigation: Running Rope Estates (Sierra West Sec. 2A) Hays County, Texas	Sierra West No. 2 (58574RR1)	2000-05-19	Middle Trinity	Middle Trinity	30.059722	-98.004444	GEOS Consulting	Hays
A021	20	Penbur Well	Penbur Farms Water Well No. 1	Penbur Well No. 1 (5858410)	1995-09-01	Edwards	Edwards	30.065628	-97.843776	Wellspec Company	Hays
A022	21	Centex	Hydrogeologic Study Report	5858414	2003-12-01	Edwards	Edwards	30.067777	-97.862777	RMT, Inc.	Hays
A023	21	Centex Well 414	Geohydrologic Repot Centex	5858414	1993-08-01	Edwards	Edwards	30.067777	-97.862777	R.W. Harden & Associates, Inc.	Hays
A024	21	Centex Well 414	Geohydrologic Report Centex	5858414	1991-04-01	Edwards	Edwards	30.067777	-97.862777	R.W. Harden & Associates, Inc.	Hays
A025	22	Kelly's Country	Water Availability Study Kelly's Country A Proposed Subdivision in Hays County, Texas	Kelly's Country (57644KC)	2004-10-01	Middle Trinity	Middle Trinity	30.068917	-98.092333	Banks & Associates, Erin K. Banks	Hays
A026	23	Buda No. 3	Hydrogeologic Report in Support of a Pumpage Volume Amendment Application: City of Buda Hays County, Texas	Buda No. 3 (5858413)	2001-08-09	Edwards	Edwards	30.073056	-97.834722	GEOS Consulting	Hays
A027	24	Running Rope	Water Availability Investigation Running Rope No.1 Testwell, Hays County, Texas	Running Rope Test well No. 1 (58-57-4R1)	1999-12-08	Upper Trinity Aquifer	Upper Trinity	30.073333	-97.995236	Wellspec Company & Geos Consulting	Hays
A028	25	Ruby Ranch No. 3	Hydrogeologic Report in Support of an Application for a Pumpage Permit Volume Amendment	RRWSC No. 3 (58576M3)	2007-08-18	Edwards	Edwards	30.074166	-97.915833	GEOS Consulting	Hays
A029	26	Plum Creek (Tecon) No. 1	Hydrogeologic Report in Support of a Pumpage Volume Amendment Application: Plum Creek Water Supply Corporation, Hays County, Texas	Plum Creek (Tecon) No. 1 (5858413)	2000-05-05	Edwards	Edwards	30.076667	-97.834444	GEOS Consulting	Hays
A030	27	Goforth No.4	Hydrogeologic Report Goforth WSC: Wellfield	Goforth Well No. 4 (5858508)	1997-03-25	Edwards	Edwards	30.079166	-97.821943	Wellspec Company & GEOS Consulting	Hays
A031	28	Ruby Ranch No. 1	Ruby Ranch No. 1 (no formal report)	58-57-608 (6TW)	1997-02-07	Edwards	Edwards	30.080278	-97.916667	BSEACD	Hays
A032	29	Buda No. 1 & 2	Hydrogeologic Report in Support of an Application for a Pumpage Permit Volume Amendment	Buda No. 1 (5858403) & No. 2 (5858106)	2004-11-10	Edwards	Edwards	30.081667	-97.842500	GEOS Consulting	Hays
A033	30	Buda No. 2	Hydrogeologic Report in Support of a Pumpage Volume Amendment Application: City of Buda Hays County, Texas	Buda No. 2 (5858106)	2001-08-09	Edwards	Edwards	30.084167	-97.841111	GEOS Consulting	Hays
A034	31	High View	Water Availability Study High View Ranch Hays County, Texas	High View (57-64-1HE)	2003-05-01	Middle Trinity	Middle Trinity	30.084603	-98.087189	Banks & Associates, Erin K. Banks	Hays
A035	32	Riverwild	Groundwater Availability Report In Accordance with Hays Trinity Groundwater Conservation District Rules Operating Permit for a Public Water Supply Well Riverwild Subdivision, Driftwood, Texas	Riverwild PWS (TDLR # 93011)	2008-06-01	Middle Trinity	Middle Trinity	30.087056	-97.991556	Bond Geological Services and Wellspec Company	Hays
A037	34	Higginbotham Well	Well Testing and Hydrogeologic Report T.J. Higginbotham Property Near Buda, Hays County, Texas	Higginbotham Well	2000-09-07	Edwards	Edwards	30.090556	-97.847778	Thornhill & Associates	Hays
A038	35	Hunter	Geohydrological Report for Proposed Well Site I.H. 35 and Turnersville Road Hays County, Texas	5858220	1989-11-20	Edwards	Edwards	30.093333	-97.814444	Jack H. Holt & Associates Inc.	Hays
A040	37	Mt. Sharp	Water Availability Investigation: Mt. Sharp Ranch, Hays County, Texas	Mt. Sharp New Well	2000-03-21	Lower Trinity	Lower Trinity	30.101111	-98.177500	GEOS Consulting	Hays
A041	38	Mandola	Groundwater Availability Report in Accordance With Hays Trinity Groundwater Conservation District Rules Operating Permit for a Public Water Supply Well Mandola Estates, Driftwood, Texas	Mandola PW	2008-03-01	Middle Trinity	Middle Trinity	30.103056	-98.013333	Bond Geological Services and Wellspec Company	Hays
A042	39	Leisurewoods No. 6	Aquifer Pump Test Leisurewoods Water Company No. 6 Wellspec Project 242-01	Leisurewoods # 6 LR (5858108)	1992-08-01	Edwards	Edwards	30.105555	-97.862222	Wellspec Company	Hays
A043	40	Oak Forest 2010	Hydrogeologic Report in Support of an Application for a pumpage permit volume amendment	No. 3	2010-02-17	Middle Trinity	Middle Trinity	30.105994	-97.904153	Geos Consulting	Hays
A044	41	Cimarron Well No. 2	Hydrogeologic Report Cimarron Well No. 2	Cimarron Well No. 2 (5858102)	1997-04-01	Edwards	Edwards	30.106666	-97.854444	Wellspec Company & GEOS Consulting	Hays
A045	42	Porter No. 1	Hydrogeologic Investigation of the Porter Property, Northwest of Buda, Texas	Well No. 1 (5858123)		Edwards	Edwards	30.109444	-97.841944	Dr. Albert E. Ogden	Hays
A046	43	Huntington Estates No. 1	Hydrogeologic Report Huntington Estates Well No. 1	Huntington Estates Well No. 1 (5857308)	1997-05-01	Edwards	Edwards	30.110000	-97.878610	Wellspec Company & GEOS Consulting	Hays

Record ID	Map ID	Site name	Report name	Well ID	Report date	Aquifer as reported	Aquifer group	Latitude	Longitude	Prepared by	County
A047	44	Creedmoor-Maha Site 1	Hydrogeology Report in Support of a Pumpage Increase Application: Creedmoor-Maha Water Supply Corporation	Creedmoor-Maha Site 1 (5850847/6)	2001-10-16	Edwards	Edwards	30.115604	-97.895000	Collier Consulting, Inc.	Travis
A048	45	Elliott Ranch No. 1	Hydrogeologic Report in Support of a Public Water Supply System Pumpage Permit Application: Elliot Ranch, Hays County, Texas	Elliott Ranch No. 1 (58573E3)	2000-08-21	Edwards	Edwards	30.115604	-97.895000	GEOS Consulting	Hays
A049	46	Cimarron Well No. 3	Hydrogeologic Report Cimarron Park Well No. 3	Cimarron Well No. 3 (5858114)	2001-09-01	Edwards	Edwards	30.116111	-97.863055	Wellspec Company	Hays
A050	47	Elliott Ranch No. 2	Hydrogeologic Report in Support of a Public Water Supply System Pumpage Permit Application: Elliot Ranch, Hays County, Texas	Elliott Ranch No. 2 (58573E4)	2000-08-21	Edwards	Edwards	30.116664	-97.893713	GEOS Consulting	Hays
A051	48	Porter No. 2	Hydrogeologic Investigation of the Porter Property, Northwest of Buda, Texas	Well No. 2 (5858124)		Edwards	Edwards	30.117499	-97.841110	Dr. Albert E. Ogden	Hays
A052	49	Faith Dunn Ranches	Groundwater Availability for Platting Report Faith Ranch Hays County, Texas	Faith Dunn TW-1	2005-09-27	Middle Trinity	Middle Trinity	30.121600	-98.098000	Daniel B. Stephens & Associates, Inc.	Hays
A053	50	Oaks at Gatlin Creek	Groundwater Availability for Platting Report The Oaks at Gatlin Creek Hays County, Texas	TW-1	2005-03-17	Middle Trinity	Middle Trinity	30.121600	-98.098000	Daniel B. Stephens & Associates, Inc.	Hays
A054	51	Heatherwood	Water Availability Investigation Heatherwood Development Hays County, Texas	Heatherwood PW	2004-04-01	Middle Trinity	Middle Trinity	30.122694	-98.077611	Wellspec Company and Bond Geological Services	Hays
A055	52	Creedmoor-Maha Site 2	Hydrogeology Report in Support of a Pumpage Increase Application: Creedmoor-Maha Water Supply Corporation	Creedmoor-Maha Site 2 (5850849)	2001-10-16	Edwards	Edwards	30.130111	-97.821891	Collier Consulting, Inc.	Travis
A056	53	Homestead at Gatlin Creek	Water Availability Study Homestead at Gatlin Creek Hays County, Texas	Homestead PW-1	2003-06-01	Middle Trinity	Middle Trinity	30.131617	-98.139858	Banks & Associates, Erin K. Banks	Hays
A057	54	Manchaca Optimist Club	Aquifer Test of Manchaca Optimist Sports Complex No. 1 in Support of an Operating Permit Application	MOYSC #1 Well No. 1 (58507MO)	2004-02-20	Edwards	Edwards	30.133438	-97.854310	Volunteers (TC&B)	Travis
A058	55	Onion Creek Golf No. 3	Geohydrological Report for Onion Creek Wells Manchaca, Texas	OC-3 (5850836)	1991-07-15	Edwards	Edwards	30.144999	-97.813055	Jack H. Holt & Associates Inc.	Travis
A059	56	Onion Creek Golf No. 1 & 2	Geohydrological Report for Onion Creek Wells Manchaca, Texas	OC-1 (5850835) OC-2 (5850853)	1991-07-15	Edwards	Edwards	30.146388	-97.812500	Jack H. Holt & Associates Inc.	Travis
A060	57	Shady Hollow Well No. 1	Results of Test Well Installation Shady Hollow Estates Water Supply System	Shady Hollow Estates Well No. 1 (5850731)	1983-07-01	Edwards	Edwards	30.149721	-97.860555	Underground Resource Management, Inc.	Travis
A061	57	Shady Hollow Well No. 1	Hydrogeologic Report Shady Hollow Well No. 1	Shady Hollow Well No. 1 (5850731)	1993-11-01	Edwards	Edwards	30.149721	-97.860555	Wellspec Company	Travis
A063	59	Shady Hollow Well No. 2	Installation and Pumping Tests: Shady Hollow Well No. 2	Shady Hollow Well No. 2 (5850743)	2003-02-04	Edwards	Edwards	30.154444	-97.858888	GEOS Consulting	Travis
A064	60	Kennedy Ranch	Water Availability Investigation Kennedy's Ranch Subdivision Hays County, Texas	Kennedy Ranch	2005-02-01	Middle Trinity	Middle Trinity	30.156333	-98.181694	Wellspec Company and Bond Geological Services	Hays
A067	63	Chama Trace Pumping Well	Water Availability Investigation Chama Trace Subdivision Hays County, Texas	Chama Trace Pumping Well	2006-06-01	Lower Trinity	Lower Trinity	30.173611	-98.039111	Wellspec Company and Bond Geological Services	Hays
A068	64	Roger Hanks	Water Availability Investigation Roger Hanks Business Park Hays County, Texas	Roger Hanks Business Park Well No. 1 (5756480)	2004-09-01	Lower Trinity	Lower Trinity	30.184166	-98.146110	Wellspec Company & Bond Geological Services	Hays
A069	65	Dos Lagos	Water Availability Investigation Dos Lagos Subdivision Hays County, Texas	Dos Lagos PW-1 (5755604)	2004-04-01	Middle Trinity	Middle Trinity	30.193610	-98.165555	Wellspec Company and Bond Geological Services	Hays
A070	66	Valley Verde	Water Availability Investigation Valley Verde Subdivision Hays County, Texas	Valley Verde Test Well	2000-09-20	Middle Trinity	Middle Trinity	30.196750	-98.216944	Wellspec Company & Bond Geological Services	Hays
A071	67	Foster Ranch/Belterra	Test Well Drilling and Preliminary Groundwater Availability Study Mak Foster Ranch, L.P. Belterra/ Foster Ranch Hays County, Texas	Foster Ranch Well No. 1 (5849413)	2002-04-12	Lower Trinity	Lower Trinity	30.198055	-97.980278	Wellspec Company & Bond Geological Services	Hays
A072	68	Shady Valley	Water Availability Investigation Shady Valley Subdivision Units II, III, and IV, Hays County, Texas	PW 2&3 (PW-4)	2002-09-12	Middle Trinity	Middle Trinity	30.202200	-98.219700	Wellspec Company and Bond Geological Services	Hays
A073	68	Shady Valley	Water Availability Investigation Shady Valley Subdivision Unites II, III, and IV Hays County, Texas (Sierra West Sec. 2A)	PW 2&3; (57554PH1 & 2)	2002-09-12	Middle Trinity	Middle Trinity	30.202222	-98.219722	Wellspec Company and Bond Geological Services	Hays
A074	68	Shady Valley	Water Availability Investigation Shady Valley Subdivision Unites II, III, and IV Hays County, Texas (Sierra West Sec. 2A)	PW-4; (57551PH1)	2002-09-12	Middle Trinity	Middle Trinity	30.202222	-98.219722	Wellspec Company and Bond Geological Services	Hays
A075	69	Capital Soccer	Preliminary Hydrogeologic Report: Capital Soccer Club No. 1 Well	5850231	2003-07-03	Edwards	Edwards	30.206670	-97.791940	GEOS Consulting	Travis

Record ID	Map ID	Site name	Report name	Well ID	Report date	Aquifer as reported	Aquifer group	Latitude	Longitude	Prepared by	County
A076	70	Polo Club	Water Availability Investigation , The Polo Club, Hays County, Texas	PC-2	2003-06-27	Lower Trinity	Lower Trinity	30.211000	-98.006833	Wellspec Company & Bond Geological Services	Hays
A077	71	Independence Park	Hydrogeologic Report in Support of an Application for a Pumpage Permit: Independence Park Irrigation Well	Indp. Park (5850234)	2007-09-21	Edwards	Edwards	30.213056	-97.802500	GEOS Consulting	Hays
A078	72	Sunset Valley	Geohydrologic Report: City of Sunset Valley (informal)	Sunset Valley (5850215)	1996-09-04	Edwards	Edwards	30.227500	-97.810000		Travis
A079	73	Goldenview	Water Availability Study Goldenview Estates Dripping Springs, Hays County, Texas	Peerman Land Co. PW 1 (well 5)	2001-05-01	Middle Trinity	Middle Trinity	30.228320	-98.097913	Banks & Associates	Hays
A080	74	Freescaple	Water Well Evaluation: Freescaple--Oak Hill Facility, Austin, Texas	Well No. 2	2004-07-01	Middle and Lower Trinity	Middle Trinity	30.236264	-97.869113	Geos Consulting	Travis
A081	75	Freescaple	Water Well Evaluation: Freescaple--Oak Hill Facility, Austin, Texas	Well No. 1	2004-07-01	Middle Trinity	Middle Trinity	30.236362	-97.869165	Geos Consulting	Travis
A083	77	St. Andrews No. 3	Hydrogeologic Report in Support of an Application for a Pumpage Permit Volume Amendment	Well No. 3	2011-01-13	Middle Trinity	Middle Trinity	30.245364	-97.851324	GEOS Consulting	Travis
A084	78	St. Andrews No. 2	Aquifer Pumping Test of Irrigation Wells No. 1 & 2: St. Andrews Episcopal High School, Travis County, Texas	St. Andrews No. 2 (5850126)	2001-06-10	Lower Trinity	Lower Trinity	30.245939	-97.850992	draft: GEOS Consulting	Travis
A085	79	Carr Well (Robert Small)	Results of Survey on R.D. Carr Water Well, Edgecliff, Austin, TX	Carr Water (5851103)	1961-08-01	Middle Trinity	Middle Trinity	30.249721	-97.736666	Jack R. Barnes	Travis
A086	80	Fronterra	Water Availability Investigation Fronterra Subdivision Hays County, Texas	Fronterra PW	2004-12-01	Lower Trinity	Lower Trinity	30.253639	-98.034556	Wellspec Company and Bond Geological Services	Hays
A087	81	Deerfield Estates	Water Availability Investigation Deerfield Estates II Hays County, Texas	Deerfield Burrus #1 (57562RB1)	2000-04-03	Middle Trinity	Middle Trinity	30.254166	-98.051666	Wellspec Company and Bond Geological Services	Hays
A088	82	Westridge	Water Availability Investigation Westridge Subdivision Hays County, Texas	Westridge Subdivision	2000-04-10	Middle Trinity	Middle Trinity	30.256011	-98.164131	Wellspec Company & Bond Geological Services	Hays
A089	83	Heather Hills	Water Availability Investigation Heather Hills Subdivision Hays County, Texas	PW 1	2001-03-26	Lower Trinity	Lower Trinity	30.260172	-98.107944	Wellspec Company & Bond Geological Services	Hays
A090	84	Forrister Well	Water Well Evaluation 2502 Loop 360 South Austin, TX	Forrister (5842821)	1982-04-01	Edwards	Edwards	30.263055	-97.813888	Underground Resource Management, Inc.	Travis
A091	85	Rudy's Bar-B-Q	Rudy's BBQ on S. Capitol of TX Hwy (pump test, but NO formal report)	Rudy's (5842825)		Edwards	Edwards	30.264166	-97.814444	Wellspec & GEOS Consulting	Travis
A092	86	Driskill Hotel Well	TWDB Pumping Test Data: Driskill Hotel 5843703	Driskill (58-43-703)	1964-10-15	Lower Trinity	Lower Trinity	30.268054	-97.739999	TWDB	Travis
A093	87	Walking W Ranch	Water Availability Investigation Walking W Ranch Subdivision Hays County, Texas	Walking W (57487WR1)	2003-04-12	Middle Trinity	Middle Trinity	30.288833	-98.096167	Wellspec Company and Bond Geological Services	Hays
A094	88	Woodlands	Water Availability Investigation Woodlands Estates II Hays County, Texas	Woodlands (5740702)	2000-05-05	Middle Trinity	Middle Trinity	30.144786	-97.995343	Wellspec Company and Bond Geological Services	Hays
A095	89	EMS Well	Cottonwood Creek RV c/o Sherry Ems	EMS Well No.1 (57-55-7)	2005-07-01	Middle Trinity	Middle Trinity	30.161667	-98.245000	GEOS Consulting	Hays
B097	142	Stacy Pool	Stacy Pool Well (State Well NO. 58-51-102): Pumping Test Report Stacy Park City of Austin Travis County, Texas	Stacy PW-1 (5851102)	2012-05-01	Lower Trinity (Hosston)	Lower Trinity	30.240000	-97.747222	The Wellspec Company	Travis
B098	106	Woodcreek MW-WLT	Results of Drilling and Aquifer Test Analysis for the Woodcreek Lower Trinity Monitoring Well	Woodcreek Utility Co. MW-WLT (297090)	2012-09-06	Lower Trinity	Lower Trinity	30.038889	-98.153333	Wet Rock Groundwater Services, L.L.C.	Travis
B100	101	Top of the Hill	Water Resources Evaluation of the Needmore River Ranch: Hays County, Texas	Top of the Hill Well	2013-01-14	Middle Trinity	Middle Trinity	29.990833	-98.033056	Wet Rock Groundwater Services, L.L.C.	Hays
B101	100	Needmore Well D	Water Resources Evaluation of the Needmore River Ranch: Hays County, Texas	Needmore Well D	2013-01-14	Middle Trinity	Middle Trinity	29.970222	-98.034028	Wet Rock Groundwater Services, L.L.C.	Hays
B102	99	Catfish Pond	Water Resources Evaluation of the Needmore River Ranch: Hays County, Texas	Catfish Pond Well	2013-01-14	Middle Trinity (Cow Creek)	Middle Trinity	29.970194	-98.052194	Wet Rock Groundwater Services, L.L.C.	Hays
B103	138	Hays MUD MT-1	Aquifer Test Report and Groundwater Availability: Highpointe Subdivision, Hays County, Texas	Hays County MUD PW-2	2013-04-01	Middle Trinity	Middle Trinity	30.171250	-97.995167	Bond Geological Services	Hays
B104	138	Hays MUD PW-1	Aquifer Test Report and Groundwater Availability: Highpointe Subdivision, Hays County, Texas	Hays County MUD PW-1	2013-04-01	Middle Trinity	Middle Trinity	30.171389	-97.994972	Bond Geological Services	Hays
B108	139	GRGC No. 5	Hydrogeologic Report in Support of an Application for a Pumpage Permit	GRGC Well No. 5 (5857515)	2013-05-08	Middle Trinity (Cow Creek)	Middle Trinity	30.181350	-97.911350	GEOS Consulting	Travis
B109	140	The Lady Bird Johnson Wildflower Center	Hydrogeologic Report In Support of An Application for a Pumpage Permit for Lady Bird Johnson Wildflower Center	SWN 5850424	2014-07-30	Middle Trinity	Middle Trinity	30.187333	-97.874528	GEOS Consulting	Travis
B110	134	Charro Ranch	Water Resources Evaluation of the Charro Ranch: Hays County, Texas	Well No.6	2014-09-01	Middle Trinity	Middle Trinity	30.141667	-98.086111	Wet Rock Groundwater Services	Hays

Record ID	Map ID	Site name	Report name	Well ID	Report date	Aquifer as reported	Aquifer group	Latitude	Longitude	Prepared by	County
B111	113	Electro Purification	Test Well Construction and Aquifer Testing of the Electro Purification Wells: Hays County, Texas	Bridges Test Well No. 1	2015-03-19	Middle Trinity (Cow Creek)	Middle Trinity	30.047500	-98.023889	Wet Rock Groundwater Services, L.L.C.	Hays
B112	112	Electro Purification	Test Well Construction and Aquifer Testing of the Electro Purification Wells: Hays County, Texas	Bridges Test Well No. 2	2015-03-19	Middle Trinity (Cow Creek)	Middle Trinity	30.045833	-98.015000	Wet Rock Groundwater Services, L.L.C.	Hays
B113	109	Electro Purification	Test Well Construction and Aquifer Testing of the Electro Purification Wells: Hays County, Texas	Bridges Test Well No. 3	2015-03-19	Middle Trinity (Cow Creek)	Middle Trinity	30.040833	-98.003333	Wet Rock Groundwater Services, L.L.C.	Hays
B114	108	Electro Purification	Test Well Construction and Aquifer Testing of the Electro Purification Wells: Hays County, Texas	Bridges Test Well No. 4	2015-03-19	Middle Trinity (Cow Creek)	Middle Trinity	30.040556	-98.005556	Wet Rock Groundwater Services, L.L.C.	Hays
B115	110	Electro Purification	Test Well Construction and Aquifer Testing of the Electro Purification Wells: Hays County, Texas	Odell Test Well No. 1	2015-03-19	Middle Trinity (Cow Creek)	Middle Trinity	30.042500	-98.022500	Wet Rock Groundwater Services, L.L.C.	Hays
B116	115	Electro Purification	Test Well Construction and Aquifer Testing of the Electro Purification Wells: Hays County, Texas	Odell Test Well No. 2	2015-03-19	Middle Trinity (Cow Creek)	Middle Trinity	30.050833	-98.026667	Wet Rock Groundwater Services, L.L.C.	Hays
B117	107	Electro Purification	Test Well Construction and Aquifer Testing of the Electro Purification Wells: Hays County, Texas	Odell Test Well No. 3	2015-03-19	Middle Trinity (Cow Creek)	Middle Trinity	30.039444	-98.033333	Wet Rock Groundwater Services, L.L.C.	Hays
B121	129	Salt Lick	Groundwater Availability Study: Salt Lick Public Water Supply Well, Driftwood, Texas	Salt Lick PWS (5756903)	2015-08-01	Middle Trinity (Cow Creek)	Middle Trinity	30.130000	-98.000000	Bond Geological Services	Hays
B122	128	Driftwood Farms	Groundwater Availability Report: Driftwood Farms Subdivision, Driftwood, Texas	Driftwood Farms Subdivision	2015-10-01	Middle Trinity (Cow Creek)	Middle Trinity	30.107222	-97.994972	Bond Geological Services	Hays
B123	136	Onion Creek Club	Hydrogeologic Report of the Onion Creek Club Trinity Well	Onion Creek Golf Group LP	2015-12-04	Middle Trinity	Middle Trinity	30.146389	-97.807778	Wet Rock Groundwater Services, L.L.C.	Travis
B124	111	Serenity Farmhouse Inn	Serenity Farmhouse Inn: Hays Trinity Groundwater Conservation District Tier 2 Report	Serenity Well No.1(SDR 423021)	2016-02-01	Middle Trinity	Middle Trinity	30.042978	-98.214694	Wet Rock Groundwater Services	Hays
B133	127	City of Buda Well No. 5	Hydrologic Report Prepared for: The City of Buda Well No. 5	Well No. 5 (SDR 420798)	2016-05-10	Edwards	Edwards	30.094694	-97.856556	R.W. Harden & Associates, Inc.	Hays
B134	147	Bee Creek Stables Public Water Supply Well	Well Installation and testing Report: Proposed Bee Creek Stables Public Water Supply Well	SDR 421075	2016-05-13	Middle Trinity	Middle Trinity	30.337840	-98.028100	GEOS Consulting	Travis
B135	137	DSWSC Well No. 3	Summary and Discussion of DSWSC Internal Pumping Test, June, 2016	Well No. 3 (5756704)	2016-06-08	Middle Trinity	Middle Trinity	30.151083	-98.086283	HTGCD Staff & Rene Barker	Hays
B136	145	Saddletree Ranch	Hydrogeological Report: Certification of groundwater Availability for Platting for: Proposed Subdivision of Lot 116, Section 2, Saddletree Ranch 18901 Hamilton Pool Road, Dripping Springs, Travis county, TX	Saleh #2 Well (SDR 415430)	2016-06-20	Middle Trinity	Middle Trinity	30.287083	-98.067528	GEOS Consulting	Travis
B137	133	Chaparral Water System Well No. 12	Hydrogeologic Report of the Chaparral Water System Well No. 12	Well No. 12 (SDR 431678)	2016-10-31	Edwards & Kgru	Edwards	30.137847	-97.892781	Wet Rock Groundwater Services	Hays
B138	105	Escondida Ranch	Groundwater Availability Report: Escondida Ranch Subdivision, Hays County, Texas	Escondida #1 (SWN 5764914)	2016-11-01	Middle Trinity	Middle Trinity	30.029083	-98.040722	Bond Geological Services	Hays
B139	100	Needmore Ranch	Evaluation for Unreasonable Impacts: Needmore Water, LLC, Well D Permit Application Tech Memo 2016-115	Well D (SWN 6808306)	2016-11-15	Middle Trinity	Middle Trinity	29.970286	-98.034458	BSEACD	Hays
B140	98	Texas Old Town	Technical Memo: Hydrogeologic Report Prepared for: Texas Old Town	Texas Old Town Trinity Well (SWN 6701317)	2016-12-13	Upper Trinity	Upper Trinity	29.969167	-97.894444	BSEACD	Hays
B141	143	Medlin Creek Ranch	Water Availability Study: Medlin Creek Ranch Subdivision Hays County, Texas	Barton Bend LP #1 (SDR 438564)	2017-02-01	Middle Trinity	Middle Trinity	30.250750	-98.099297	Banks and Associates	Hays
B142	121	Integrity Oaks Subdivision	Groundwater Availability Report: Integrity Oaks Subdivision, Hays County, Texas	Integrity Development Group Well #1 (SDR 443128)	2017-03-01	Middle Trinity	Middle Trinity	30.061667	-98.036194	Bond Geological Services	Hays
B143	123	Industrial Asphalt (Hays Quarry)	Water Availability Study: Hays Quarry 6185 FM967 Buda, Hays County, Texas	KDBJ Quarry (SWN 5857211)	2017-07-05	Middle Trinity	Middle Trinity	30.085556	-97.923889	Chapman Engineering, Inc	Hays
B147	144	Trinity Episcopal School	Hydrogeological Report: Trinity Episcopal School	Trinity Episcopal School Irrigation (SWN 5842827)	2017-10-08	Middle Trinity	Middle Trinity	30.279147	-97.809650	Geos Consulting	Travis
B148	123	Industrial Asphalt (Hays Quarry)	BSEACD Memorandum: Review of Industrial Asphalt (Hays Quarry) Tier 1 Hydrogeologic Report	KDBJ Quarry (SWN 5857211)	2017-11-27	Middle Trinity	Middle Trinity	30.085556	-97.923889	BSEACD	Hays
B149	112	Electro Purification	Aquifer Parameter Estimation for EP Well Field, Hays County, Texas	Bridges No. 2 (518964)	2018-02-13	Middle Trinity	Middle Trinity	30.045967	-98.015058	BSEACD	Hays
B150	113	Electro Purification	Aquifer Parameter Estimation for EP Well Field, Hays County, Texas	Bridges No. 1 (518967)	2018-02-13	Middle Trinity	Middle Trinity	30.047500	-98.023889	BSEACD	Hays
B151	116	Electro Purification	Aquifer Parameter Estimation for EP Well Field, Hays County, Texas	Odell No. 2 (SDR 519068)	2018-02-13	Middle Trinity	Middle Trinity	30.051322	-98.033261	BSEACD	Hays

Record ID	Map ID	Site name	Report name	Well ID	Report date	Aquifer as reported	Aquifer group	Latitude	Longitude	Prepared by	County
B152	102	Heaton Hollow	Groundwater Availability Report: Heaton Hollow Subdivision, Hays County, Texas	Heaton Hollow Subdivision	2018-04-01	Middle Trinity	Middle Trinity	30.014050	-98.150317	BSEACD	Hays
B153	141	HHS PWS	HHS Facility Operating Permit Application for Submittal to the Hays Trinity Groundwater Conservation District	HHS PWS	2018-05-01	Lower Trinity (Hosston)	Lower Trinity	30.236733	-98.046833	Bond Geological Services	Hays
B154	126	La Ventana #3	Aquifer Test Report for La Ventana Water Supply System Public Supply Well #3, Hays County, Texas	La Ventana Public Water Supply Well No. 3	2018-11-06	Middle Trinity (Cow Creek)	Middle Trinity	30.089725	-98.043511	Jay Engineering Company, Inc.	Hays
B155	148	Hamilton Pool	BSEACD Aquifer Test Summary Notes: Hamilton pool	Hamilton Pool Preserve PWS (SWN 5747310)	2019-08-15	Lower Trinity	Lower Trinity	30.341361	-98.128111	BSEACD & Joe Vickers	Travis
B156	148	Hamilton Pool	BSEACD Aquifer Test Summary Notes: Hamilton pool	Hamilton Pool Preserve PWS (SWN 5747310)	2019-08-15	Middle Trinity	Middle Trinity	30.341361	-98.128111	BSEACD & Joe Vickers	Travis
B157	146	Bent Tree RV Resort	Water Availability Report For Bent Tree RV Resort 401 Stagecoach Rd. Travis County, Texas	Bentree (SWN 5747316, SDR 535035)	2020-02-01	Middle Trinity	Middle Trinity	30.334283	-98.131158	The Wellspec Company	Travis
B158	132	Gragg #1	Evaluating the Potential Groundwater Availability within a Lower Trinity Aquifer Well Field, Balcones Fault Zone, Hays County, Central Texas	Gragg #1 (SDR 473734)	2020-06-30	Lower Trinity	Lower Trinity	30.134734	-97.866928	BSEACD	Hays
B159	131	Gragg #2	Evaluating the Potential Groundwater Availability within a Lower Trinity Aquifer Well Field, Balcones Fault Zone, Hays County, Central Texas	Gragg #2 (SDR 527500)	2020-06-30	Lower Trinity	Lower Trinity	30.131514	-97.867811	BSEACD	Hays
B160	130	Gragg #3	Evaluating the Potential Groundwater Availability within a Lower Trinity Aquifer Well Field, Balcones Fault Zone, Hays County, Central Texas	Gragg #3 (SDR 527505)	2020-06-30	Lower Trinity	Lower Trinity	30.130953	-97.861429	BSEACD	Hays
B161	135	Copper Hills No.5	Copper Hills Water System Well No.5: Production permit Application	Copper Hills No. 5 (SWN 5849948)	2021-06-01	Lower Trinity	Lower Trinity	30.142819	-97.880206	Wet Rock Groundwater Services	Hays
B162	118	Horseshoe Ridge RV Resort	Aquifer Test Report: Horseshoe Ridge RV Resort: Hays County, Texas	Horseshoe Ridge Well No.2 (SWN 5764406)	2022-01-24	Lower Trinity	Lower Trinity	30.054950	-98.093970	Bullock, Bennet & Associates	Hays
B163	120	Horseshoe Ridge RV Resort	Aquifer Test Report: Horseshoe Ridge RV Resort: Hays County, Texas	Horseshoe Ridge Well No.1 (SDR 585591)	2022-01-24	Lower Trinity	Lower Trinity	30.055900	-98.098260	Bullock, Bennet & Associates	Hays
B164	103	Woodcreek 24	Woodcreek Utility CO 2 Wells No. 24 & 25 – Aquifer Test (June 12, 2023)	Woodcreek Utility Co. Well No. 24 (620893)	2023-09-08	Middle Trinity (Cow Creek)	Middle Trinity	30.019069	-98.137347	Wet Rock Groundwater Services, L.L.C.	Hays
B165	104	Woodcreek 25	Woodcreek Utility CO 2 Wells No. 24 & 25 – Aquifer Test (June 12, 2023)	Woodcreek Utility Co. Well No. 25 (620892)	2023-09-08	Middle Trinity (Cow Creek)	Middle Trinity	30.019389	-98.136083	Wet Rock Groundwater Services, L.L.C.	Hays
B166	114	Whiskey Ridge	Hydrogeologic Investigation: Whiskey Ridge Development, 8600 FM 150 Driftwood, Texas	Whiskey Ridge PWS-1 (House Well)	2024-09-29	Middle Trinity (Lower Glen Rose)	Middle Trinity	30.050036	-97.983200	Tarver Geologic Services, LLC	Hays
B167	119	Sierra West 2	Report of Findings WRGS 24-012: Hydrogeologic Report of Sierra West Well No. 2, Hays County, Texas	Sierra West Well No. 2 (684158)	2025-01-28	Middle Trinity (Cow Creek)	Middle Trinity	30.055861	-98.011236	Wet Rock Groundwater Services, L.L.C.	Hays
B168	117	Burton	No report. Only collected data and values	Burton Kcc (SWN 5764504)		Middle Trinity	Middle Trinity	30.052919	-98.049636	HTGCD Staff	Hays
B169	100	Needmore Ranch	Report of Findings WRGS 16-004: Hydrogeologic Report of the Needmore Water, LLC Well D	Well D (SWN 6808306)	2016-03-11	Middle Trinity	Middle Trinity	29.970225	-98.034223	Wet Rock Groundwater Services, L.L.C.	Hays

Table A-2. Tested well and pumping test information.

Record ID	Site name	Pump test date	Well depth (ft)	Interval diam. (in)	Open-hole or screened interval (ft)	Aq. type	Aquifer thickness (ft)	Pumping rate (gpm)	Static water level (ft)	Max. drawdown (ft)	Duration (hr)	Specific capacity (gpm/ft)	Water quality	Pumping well comments
A002	Bridlewood	2003-03-05	1,100	nd	1060-1100 slotted	C	100	28.9	297.84	0.75	24.0	38.50	2890 mg/L	
A003	Bridlewood	2003-01-05	310	nd	nd	U		3	230.40	19.00	24.0	0.16	530 uS/cm	
A004	Cielo	October 21-24, 2004	860	5	658-860 open	C	120	9	467.65	103.35	22.5	0.09	1713 mg/L	
A005	Little Arkansas	November 10-12, 1999	239	4.5	screened nd	C	200	12	30.00	145.00	24.5	0.08	2472 mg/L	
A006	Las Misiones	May 25-26, 2005	450	6.25	100-450 open	nd	400	61.2		16.00	24.0	3.83	304 mg/L	
A007	Hermosa	2005-12-13	900	8	nd	C	85	3	357.30	235.00	24.0	0.01	677 mg/L	
A008	River Mountain Ranch	May 21-27, 2001	1,030	8	165-1030	U & C	865	101.5	308.30	72.20	31.8	1.40	2622 mg/L	After May 2001 800 ft well deepened to 1030; Specific Capacity 1.55 May and 1.4 July
A009	Pinnacle Ridge	2006-12-29	860	8	560-860	C		14	380.20	35.70	24.0	0.39	1345 mg/L	
A010	Kyle No.4	September 4-5, 1997	734.7	12	349-740	C	450	850	168.33	147.00	24.0	6.30	300 mg/L	Began pumping 920 and had to cut back to 850
A011	Kyle No.4	September 23-26, 2008	734.7	12	349-740	C	450	920	218.90	99.00	56.6	9.30	570 uS/cm	
A012	Mustang (True) Ranch	2008-06-17	400	8	320-380 slotted	U	60	37.5	248.68	57.42	25.1	0.65	332 mg/L	well efficiency 50%
A014	Monarch #4	June 10-15, 2007	800	8	455-645	C	450	400	150.00	468.49	120.0	0.85	460 mg/L	
A015	Plum Creek (Tecon) No. 3	August 23-25, 2001	790	14	420-625 open	C	450	472		267.32	24.4	1.77	435 mg/L	
A016	Goforth No.5	June 4-6, 1999	750	14	430-750 open	C	450	328	142.70	63.80	24.0	5.14	503 mg/L	
A017	Centex Well 415	August 25 to 26, 1993	540	10	127-540 perforated steel	C	350	1,080	98.18		8.8			
A018	Ruby Ranch No. 5	February 2-5, 2 010	1,140	7.875	1065-1140	C	72	254	203.60	201.00	78.3	1.26	1100 mg/L	
A019	Ruby Ranch No. 4	May 31- June 3, 2001	405	8.625	178-405 open	U	235	94	135.60	177.00	45.0	0.53	370 mg/L	
A020	Running Rope/Sierra West	May 11-12, 2000	940	10	nd	C	70	235		236.40	25.0	1.00	795 mg/L	
A021	Penbur Well	1995-06-20	740	12	480-740	C	450	92.4	136.25	89.44	24.0	1.05	470 mg/L	
A022	Centex	November 15-16, 2003	797	12	376-797 open	C	475	811	147.55	84.74	36.0	9.57	585 uS/cm	well efficiency 17-27 %
A023	Centex Well 414	August 18 to 19, 1993	797	12	376-797 open	C	350	860	139.80	116.00	9.0	9.40		
A024	Centex Well 414	1991-03-14	797	12	376-797 open	C	400	1,285	126.88	21.00	4.0	63.50		
A025	Kelly's Country	October 12-13, 2004	460	5	nd	C	135	12.5	327.02	41.73	24.0	0.30	612 mg/L	
A026	Buda No. 3	No. 3 December 2000	740	15	480-790 open	C	450	260	148.50	106.80	48.0	2.43	575 to 760 uS/cm	390 decline to 260
A027	Running Rope	October 11-13, 1999	460	6	40-460 open	C		30	220.00	191.00	30.0	0.16	565 mg/L	
A028	Ruby Ranch No. 3	February 27-March 4, 2007	400	10 e	nd	U	170	46	126.30	242.00	102.0	0.19	580 uS/cm	
A029	Plum Creek (Tecon) No. 1	September 30-October 1, 1998	720	10	424 to 720 open	C	450	279	125.25	110.00	24.0	2.54		
A030	Goforth No.4	1996-08-18	740	13.2	460-740 open	C	440	1,350	170.00	101.00	10.0	19.30		

Record ID	Site name	Pump test date	Well depth (ft)	Interval diam. (in)	Open-hole or screened interval (ft)	Aq. type	Aquifer thickness (ft)	Pumping rate (gpm)	Static water level (ft)	Max. drawdown (ft)	Duration (hr)	Specific capacity (gpm/ft)	Water quality	Pumping well comments
A031	Ruby Ranch No. 1	January 31 - February 1, 1997	400	6.75	nd	U	270	42		187.00	36.0	0.22		
A032	Buda No. 1 & 2	2004-07-01	193.25	10	222-390 open (No. 1); 195-380 open (No. 2)	C	450	670	41.60	52.17	72.9	2.04	575 uS/cm	Wells are about 1000 ft apart. First 3 hours No. 2 only pumped, then combined pumping (285 + 385 = 670)
A033	Buda No. 2	No. 2 March 2001	380	18	195-380 open	C	450	315	61.40	170.00	48.0	1.85	540 to 590 uS/cm	
A034	High View	April 24-25, 2003	567	5	nd	C	40	12		22.00	24.0	0.55		
A035	Riverwild	April 30, 2007 & May 2, 2007	660	8	640-660 slotted	C	100	275	201.60	38.40	24.0	7.20	669 mg/L	
A037	Higginbotham Well	June 7-8, 2000	416	6	285-416	C	450	300	171.35	16.00	24.0	18.60	300 mg/L	3 ft cavity reported at 350-80 ft depth
A038	Hunter	1989-11-08	700	8	460-700	C	450	200	110.00	227.00	7.0	0.88		
A040	Mt. Sharp	February 4-6, 2000	430	5	365-430 slotted	C	100	34	300.00	5.60	24.6	6.10	494 mg/L	
A041	Mandola	August 20- 22, 2007	620	5	500-600 slotted	C	150	36	187.00	120.00	36.0	0.30	1020 mg/L	
A042	Leisurewoods No. 6	1992-07-28	548	10.75	215-550 open	C	330	450	215.00	0.40	4.0	112.50	265	
A043	Oak Forest 2010	January 6-9, 2010	1,190	7.875	1058-1190	C	135	115	245.00	124.00	24.4	0.93	1,240 mg/L	high sulfates 640mg/L
A044	Cimarron Well No. 2	September 11-12, 1996	400	12	300-400	C	100	596	204.07	33.00	9.0	18.80		
A045	Porter No. 1	1985-02-20	520	8	230-510 open	U	450	400	97.70	48.60	24.0	8.20	400 uS/cm	No date on report; estimated date from date of well drilling
A046	Huntington Estates No. 1	September 19-20,1996	405	6	255-405	C	175	104		60.10	22.5	1.73		
A047	Creedmoor-Maha Site 1	June 5-9, 2001	450	11	158-450 open	C	360	1,200	12.00	80.00	96.0	15.00		two wells pump simultaneously
A048	Elliott Ranch No. 1	December 4-5, 1999	405	10	250-403 torch-slotted	U	450	194	274.00	10.38	24.0	18.69	325 mg/L	
A049	Cimarron Well No. 3	August 23-24, 2000	490	6	192-490 slotted	C	450	176	303.65	8.57	24.0	20.50		
A050	Elliott Ranch No. 2	January 22-23, 2000	380	10	180-380 torch-slotted	U	450	205	258.40	10.40	24.0	19.71	332 mg/L	
A051	Porter No. 2	1985-02-20	510	8	200-510 open	U	450	350	132.30	23.70	24.0	14.60	480 uS/cm	No date on report; estimated date from date of well drilling
A052	Faith Dunn Ranches	2005-08-23	543	6	302-543 open	C	30	13	392.14	93.00	25.0	0.12	468 mg/L	well efficiency 40%
A053	Oaks at Gatlin Creek	2005-02-01	410	6	360-400 screen	nd	40	12.98		10.96	28.0	1.18	343 mg/L	well efficiency 85%
A054	Heatherwood	March 11-13, 2004	342	5	220-340	C	85	26	104.40	44.10	24.0	0.59	532 mg/L	
A055	Creedmoor-Maha Site 2	June 10-14, 2001	493	10.75	217-493 open	C	360	1,285	9.10		120.0			
A056	Homestead at Gatlin Creek	2003-05-02	500	288-500 screen	360-400 screen	C	40	20.2	251.80	4.93	24.0	1.18	854 mg/L	
A057	Manchaca Optimist Club	2004-02-20	220	8 ?	100-120 open(e)	U	310	72	180.00	8.11	72.0	8.88		
A058	Onion Creek Golf No. 3	1991-04-30	500	8	222-500	C	450	118	54.50	101.11	48.0	1.17		80-130 gpm
A059	Onion Creek Golf No. 1 & 2	1991-05-07	490	8.625	220-490	C	450	202	54.23	191.02	48.0	1.06		average pumping value for combined wells
A060	Shady Hollow Well No. 1	Proposal, no real data on Pump Test	438	8.625	193--433 slotted steel	U	350	210	185.05	10.09	24.0	21.00	310 mg/L	
A061	Shady Hollow Well No. 1	September 1-2, 1993	302	8.625	193--433 slotted steel	U	315	200	191.12	7.49	32.0	26.20	280	
A063	Shady Hollow Well No. 2	August 21, 2002 and October 2-15, 2002	461	12	206-437 torch-slotted	U	290	380		185.00	97.0	2.05	407 mg/L	multiple pumping attempts; estimated max drawdown

Record ID	Site name	Pump test date	Well depth (ft)	Interval diam. (in)	Open-hole or screened interval (ft)	Aq. type	Aquifer thickness (ft)	Pumping rate (gpm)	Static water level (ft)	Max. drawdown (ft)	Duration (hr)	Specific capacity (gpm/ft)	Water quality	Pumping well comments
A064	Kennedy Ranch	January 6-8, 2005	500	nd	500-520 slotted	nd	160	15		11.55	24.7	1.30	1550 mg/L	
A067	Chama Trace Pumping Well	May 23-25, 2006	500	4.5	440-500 screen	C	100	30	210.51	34.20	24.0	0.88	1010 mg/L	
A068	Roger Hanks	August 11-12, 2004	380	8	160-380 slotted	C	200	150		9.28	24.0	16.16	3005 mg/L	back plugged from 420
A069	Dos Lagos	March 17-19, 2004	460	4.5	20-460	C	80	75		16.30	16.5	4.60	1720 mg/L	
A070	Valley Verde	August 18-19 & 21-22, 2000	455	5	10-455 slotted?	C	100	30	317.30	5.00	24.0	6.00	2800 mg/L	Pump test occurred on Aug 18-19 and Aug 22-23 due to failed data logger
A071	Foster Ranch/Belterra	March 13-15, 2002	903	7.875	636-903 open	C	290	95	408.00	143.00	120.0	0.75	810 mg/L	
A072	Shady Valley	August 9-10, 2002	450	8	nd	U	25	40	254.70	2.00	24.0	20.00	3,000 mg/L	Two aquifer tests; high sulfates (>2,000 mg/L)
A073	Shady Valley	August 9-10, 2002	450	5	nd	nd	25	40	254.70	1.97	24.0	20.30	3000 mg/L	
A074	Shady Valley	August 7-8, 2002	430	5	nd	nd	25	30	226.12	2.04	24.0	14.71	3000 mg/L	
A075	Capital Soccer	June 29-July 1, 2003	530	8	257-540 open	C	450	300			27.5			
A076	Polo Club	February 22-28, 2003	830	8	640-830	C	300	108	384.10	86.00	48.0	1.26	1381 mg/L	
A077	Independence Park	July 10-12, 2007	442	6.5	342-442 slotted	U	450	48.5	180.00	29.70	42.5	1.60	455 mg/L	
A078	Sunset Valley	1997-05-14	360	6.625	122-360 open	U	280	150	219.07	49.57	7.5	3.03		
A079	Goldenview	April 12-13, 2001	650	5	560-650 slotted	C	40	14	231.18	22.06	24.0	0.63	2100 mg/L	
A080	Freescale	June 7-10, 2004	840	6	695-840	C		92	262.40	63.20	39.4	1.46	2710 mg/l	burlap packer separates Middle and Lower Trinity
A081	Freescale	2004-06-14	560	6	30-560	C		57	265.60	35.12	3.2	1.62	2260 mg/l	short duration
A083	St. Andrews No. 3	November 22-26, 2010	621	8	559-619 screen	C	135	22.5	336.00	219.00	51.5	0.10	2230 uS/cm	average pumping value
A084	St. Andrews No. 2	2001-06-01	1,000	6	nd	C	400	36	257.90	260.00	24.0	0.14	2400 uS/cm	
A085	Carr Well (Robert Small)	1961-07-27	1,595	8	nd	C		85	74.00	67.00	5.0	1.20	1416 mg/L	flowing well
A086	Fronterra	November 10-12, 2004	770	4.5	695-755 screen	C	200	11	509.98	20.20	24.1	0.54	1610 mg/L	
A087	Deerfield Estates	March 11, 12, 2000	600	4.5	440-600 open	C	110	20	475.40	56.93	24.0	0.35	2600 mg/L	
A088	Westridge	March 16-17, 2000	440	4.5	100-440 slotted	C	75	30	262.50	48.02	24.0	0.62	2500 mg/L	
A089	Heather Hills	February 9-11, 2001	780	4.5	660-760 perforated	C	300	7.3	317.01	176.09	24.0	0.04	1600 mg/L	
A090	Forrister Well	1982-02-02	460	6	350-460 open	C	-25	16	262.20	10.40	1.5	1.25	224 mg/L	
A091	Rudy's Bar-B-Q	June 12-15, 1998	420	6	nd	C	360	40	244.07	76.00	36.0	0.53		
A092	Driskill Hotel Well	1964-10-15	2,250	5	1580-2250 open	C		19.6	70.00	53.20	31.5	0.37	1520 mg/L	flowing well
A093	Walking W Ranch	March 11-14, 2003	590	8.75	100-590 slotted	C	75	18.75	450.46	13.03	24.0	1.44	>2000 mg/L	
A094	Woodlands	April 10-11, 2000	410	6	18-400 open	C	40	35		1.36	24.0	25.74	2000 mg/L	
A095	EMS Well	October 28-30, 2005	505	6	300-530 slotted	SC	200	15	331.65	9.00	24.0	1.67	1400 mg/l	
B097	Stacy Pool	2011-10-20	2,246	5.1875, 4.25	slotted, 1634-1878, 1878-2246	C	396	100	26.53	89.01	27.2	1.12	2349 uS/cm	16.25 hr recovery allocation

Record ID	Site name	Pump test date	Well depth (ft)	Interval diam. (in)	Open-hole or screened interval (ft)	Aq. type	Aquifer thickness (ft)	Pumping rate (gpm)	Static water level (ft)	Max. drawdown (ft)	Duration (hr)	Specific capacity (gpm/ft)	Water quality	Pumping well comments
B098	Woodcreek MW-WLT	2012-08-30	680	6.125	370-680	C	290	8.5	200.55	79.50	24.4	0.11	1940 mg/L at 420'; 1300 mg/L at 660'	92 hr recovery allocation
B100	Top of the Hill	2012-10-30	915	8	open, 878-912	C	60	14	342.69	92.10	27.3	0.15	1480 mg/L	24 hr recovery allocation; 90% recovery within 12 hours
B101	Needmore Well D	2012-11-14	1,000	9.875	open, 460-1,000	C	703	428	287.10	38.00	22.4	11.30	1084 mg/L	22 hr recovery allocation;
B102	Catfish Pond	2012-11-05	810	6.75	open, 475-807	C	270	24	421.89	207.90	42.8	0.12	884 mg/L	49 hr recovery allocation; 90% recovery within 30 minutes
B103	Hays MUD MT-1	2005-06-09	582	5	perforated, 422-462, 502-522	SC	140	60	183.00	145.00	48.0	0.40	1340 mg/L	90 hr recovery allocation
B104	Hays MUD PW-1	2005-05-15	582	5	perforated, 402-442, 502-542	C	140	75	203.30	126.00	48.0	0.60	1341 mg/L	24 hr recovery allocation
B108	GRGC No. 5	2013-03-18	820	12.25	open, 540 - 809	C	330	235	277.15	335.00	29.0	0.70	1750 mg/L	42.4 hr recovery allocation; 96% total recovery
B109	The Lady Bird Johnson Wildflower Center	March 22-25, 2014	845	9	610-845	C	235	18.5	224.60	390.40	56.0	0.05	2700 mg/L; 3000 uS/cm	Max drawdown of 390ft at 18-19 GPM
B110	Charro Ranch	2014-08-27	400	8	260-400 screened PVC	C	273	260	136.20	189.19	36.0	1.37	372 mg/L	90% recovery 20 mins after pump turned off
B111	Electro Purification	2014-01-15	930	9.87	160-930	C	302	435	320.80	187.42	47.0	2.30	496 mg/L	71 hour recovery allocation; 90% recovery after 47 hours; production capacity = 632
B112	Electro Purification	2014-01-21	905	9.87	160-905	C	313	333	290.11	285.50	45.6	1.17	1060 mg/L	94 hour recovery allocation; 90% recovery after 25 hours; production capacity = 388
B113	Electro Purification	2013-12-30	940	9.87	260-940	C	298	48	349.01	446.04	44.0	0.11	600 mg/L	26 hour recovery allocation; 90% recovery after 68 minutes; production capacity = 34
B114	Electro Purification	2015-02-16	905	9.87	580-905	C	316	66	299.80	265.66	49.0	0.25	902 mg/L	25 hour recovery allocation; 90% recovery within 15 hours; production capacity = 82
B115	Electro Purification	2015-02-11	903	9.87	565-903	C	318	95	349.00	265.00	62.0	0.36	1168 mg/L	39 hour recovery allocation; 90% recovery within 2.5 hours; production capacity = 105
B116	Electro Purification	2015-02-04	850	9.87	540-850	C	311	300	332.93	260.47	77.3	1.15	320 mg/L	19 hour recovery allocation; 85% recovery within 5 hours; production capacity = 317
B117	Electro Purification	2015-01-22	845	9.87	520-845	C	318	175	324.28	250.22	41.7	0.70	412 mg/L	47 hour recovery allocation; 90% recovery within 4 hours; production capacity = 193
B121	Salt Lick	2015-06-16	502	7	open 382-502	C	290	142	276.38	100.00	48.0	1.42	708 mg/L	recovery monitored for additional 48 hours
B122	Driftwood Farms	2015-08-25	440	4.5	slotted 380-420	C	100	18.75	182.50	53.00	24.0	0.35	1480 mg/L	recovery monitored for additional 24 hours
B123	Onion Creek Club	2015-07-27	1,530	9.88	170	C	388	324	58.63	426.25	72.4	0.75	804 mg/L	90% recovery within 35 minutes
B124	Serenity Farmhouse Inn	January 12-14, 2016	300	7.875	124	U	257	45	178.10	0.00	43.0		344 mg/L, 608 uS/cm	zero feet drawdown w/ final pumping rate = 45 gpm for 43 hrs
B133	City of Buda Well No. 5		460	18	260	C	260	817	95.00	53.75	72.0	54.50	280 mg/L; 429 uS/cm	3 separate tests were done (two, 4-hr tests and a 72-hr test). Date here is for the 72-hr test
B134	Bee Creek Stables Public Water Supply Well	April 6-8, 2016	465	8	390-465	C	75	25.5	257.00	57.70	26.4	0.44	2240 mg/L; 3220 uS/cm	
B135	DSWSC Well No. 3	June 7-8, 2016	375	10	87	C	87	500	108.00	34.00	27.5	14.71	nd	
B136	Saddletree Ranch	February 8-10, 2016	580	6.25	560	C	125	2.5	441.00	120.00	12.4	0.02	2150 mg/L	
B137	Chaparral Water System Well No. 12	August 24-26, 2016	450	7.875	170-450	U	280	11	83.72	242.85	43.8	0.04	588 mg/L	
B138	Escondida Ranch	October 31-November 2, 2016	930	53	53	C	60	25	333.10	118.00	24.0	0.21	438 mg/L	
B139	Needmore Ranch	January 25-30, 2016	800	9.875	197	C	350	544	272.91	35.30	120.7	15.40	1350uS/cm	results reported here are based on single Well D

Record ID	Site name	Pump test date	Well depth (ft)	Interval diam. (in)	Open-hole or screened interval (ft)	Aq. type	Aquifer thickness (ft)	Pumping rate (gpm)	Static water level (ft)	Max. drawdown (ft)	Duration (hr)	Specific capacity (gpm/ft)	Water quality	Pumping well comments
B140	Texas Old Town	February 22-23, 2016	1,060	8	120	C	120	26	124.30	3.10	24.0	8.39	408 mg/L, 611 uS/cm	
B141	Medlin Creek Ranch	November 21-23, 2016	460	6.75	230	C	60	28	229.30	38.50	24.0	0.73	2810 mg/L, 3260 uS/cm	
B142	Integrity Oaks Subdivision	January 26-27, 2017	880	5	60	C	90	17.5	340.12	9.80	24.0	1.79	1068 mg/L	
B143	Industrial Asphalt (Hays Quarry)	April 5-7, 2017	1,085	8	355	C	355	50	203.44	23.00	36.0	2.00	2508 mg/L	
B147	Trinity Episcopal School	September 14-16, 2017	860	5	100	C	500	47.2	330.99	11.50	21.7	4.10	1060 mg/L, 1500 uS/cm	
B148	Industrial Asphalt (Hays Quarry)	April 5-7, 2017	1,085	8	355	C	450	50	203.44	23.00		2.00	2508 mg/L	
B149	Electro Purification	November 2-7, 2016	905	9.87	125	C	125	305		409.00	127.0	0.75	nd	
B150	Electro Purification	November 25-30, 2016	930	9.87	200	C	200	655		218.00	120.0	3.00	nd	
B151	Electro Purification	December 29, 2016 - January 3, 2017	826	9.87	310	C	286	565		157.00	121.0	3.60	nd	
B152	Heaton Hollow	2018-03-06	430	5	slotted 320-400	C	120	32	167.90	18.26	72.0	1.75	391 mg/L	recovery monitored for more than 24 hours
B153	HHS PWS	2018-04-11	840	5	680-820	C	120	32	568.50	18.26	43.0	1.75	2160 mg/L	32 hr recovery allocation
B154	La Ventana #3	2018-06-22	580	8	400-510	C	40	40.3	251.65	38.73	46.5	0.38	627 mg/L	56 hr recovery allocation
B155	Hamilton Pool	2017-03-23	240	6.9	20 (Kho)	U	20	46,058	130.15	175.00	18.5	0.06	369 mg/L	Well is screened in both the Kcc and Kho. Sc & T values were calculated for both
B156	Hamilton Pool	2017-03-23	240	6.9	40 (Kcc)	U	40	46,058	130.15	175.00	18.5	0.15	369 mg/L	Well is screened in both the Kcc and Kho. Sc & T values were calculated for both
B157	Bent Tree RV Resort	January 16-20, 2020	210	5	60	SC	57	51	149.33	32.60	48.0	1.65	328 mg/L, 653 uS/cm	
B158	Gragg #1	2018-02-01	1,620	5	slotted 180 ft (1434-1614)	C	359	115	138.00	431.00	5.5	0.27	542 mg/L	1 hr to 90% recovery
B159	Gragg #2	2019-10-18	1,700	7.875	open 350 ft (1350-1700)	C	359	168	136.00	437.00	96.0	0.38	908 us/cm, 559 mg/L	1 hr to 90% recovery
B160	Gragg #3	2019-10-24	1,700	7.875	open 345 ft (1355-1700)	C	359	175	141.00	320.00	93.0	0.54	906 us/cm, 568 mg/L	1 hr to 90% recovery
B161	Copper Hills No.5	May 19-22, 2021	1,520	5	421	C	420	95	154.62	426.82	36.0	0.22	606 mg/L, 910 uS/cm	217,380 gals pumped
B162	Horseshoe Ridge RV Resort	December 1-6, 2021	795	6.9	260	C	215	25	263.80	384.82	24.0	0.07	484 mg/L, 811 uS/cm	
B163	Horseshoe Ridge RV Resort	December 28-31, 2022	735	5	240	C	215	39.5	234.90	399.00	24.0	0.10	518 mg/L, 822 uS/cm	
B164	Woodcreek 24	2023-06-12	450	9.875	70-440	C	92	230	145.00	172.52	48.0	1.35	316 mg/L	90% recovery ~ 9 minutes;
B165	Woodcreek 25	2023-06-12	450	9.875	70-440	C	91	160	135.74	179.20	48.0	0.90	364 mg/L	90% recovery ~ 11 minutes;
B166	Whiskey Ridge	2024-06-29	825	5	707-825	C	207	7.1	318.54	29.57	201.6	0.24	1440 mg/L	well efficiency estimated 95%; total estimated available drawdown 298 ft; TDS exceeds maximum contaminant level (MCL); raw data files included
B167	Sierra West 2	2024-11-12	840	8.75	765-840	C	68	81.5	348.08	187.72	72.0	0.43	432 mg/L	90% recovery ~ 15 minutes;
B168	Burton	January 29-february 2, 2020	875	4.5	80	SC	167	21	370.00	15.60	48.0	1.35	357 mg/L, 589 uS/cm	Pumping from Kcc completion
B169	Needmore Ranch	January 25-30, 2016	800		194 (screen length)	C	330	544		35.30	120.7	15.40		Consultant analysis of the same test BSEACD analysed as B139; see Appendix B

Table A-3. Observation well information.

Record ID	Site name	Obs. well	Nearest obs. well distance (ft)	Nearest obs. well drawdown (ft)	Farthest obs. well distance (ft)	Farthest obs. well drawdown (ft)	Observation well comments
A002	Bridlewood	Yes	238	0.50			estimated drawdown from plot
A003	Bridlewood	No					
A004	Cielo	Yes	500				inconclusive Observation well drawdown
A005	Little Arkansas	Yes	940	0.00			
A006	Las Misiones	Yes	350	1.00			distance estimated on map
A007	Hermosa	Yes	750	0.00			No measurable drawdown; distance estimated from map
A008	River Mountain Ranch	Yes	1,200	71.70			
A009	Pinnacle Ridge	Yes	255	4.20			
A010	Kyle No.4	Yes	1,000	24.00	7,300	1.50	distance estimated on map
A011	Kyle No.4	Yes	900	18.70	4,250	0.60	used pump test well with high degree of certainty
A012	Mustang (True) Ranch	Yes	1,000	3.17			
A014	Monarch #4	Yes	202	63.00	2,076	3.20	
A015	Plum Creek (Tecon) No. 3	Yes	1,300	6.98	1,911	9.59	well farthest away experienced most drawdown
A016	Goforth No.5	Yes	1,900	2.15	8,100	0.50	distance estimated on map
A017	Centex Well 415	Yes	1,200	2.45	8,500	0.20	
A018	Ruby Ranch No. 5	Yes	4,990	5.80	9,920	2.10	
A019	Ruby Ranch No. 4	Yes	3,800	0.10	6,000	0.10	No measurable drawdown
A020	Running Rope/Sierra West	Yes	750	37.40			
A021	Penbur Well	No					
A022	Centex	Yes	1,160	3.48	8,200	0.92	9 observation wells
A023	Centex Well 414	Yes	1,450	2.62	7,800	0.40	
A024	Centex Well 414	Yes	1,200	1.64	1,450	1.18	
A025	Kelly's Country	Yes	500	14.98			distance estimated on map
A026	Buda No. 3	Yes	2,000	5.90	4,000	2.80	distance estimated on map
A027	Running Rope	Yes	508	92.00	878	44.00	
A028	Ruby Ranch No. 3	Yes	1,500	0.30	4,500	0.20	No (high confidence) measurable drawdown
A029	Plum Creek (Tecon) No. 1	Yes	50	9.00	2,900	1.50	estimated on map
A030	Goforth No.4	Yes	200	72.00	6,200	1.00	
A031	Ruby Ranch No. 1	Yes	500	2.00			
A032	Buda No. 1 & 2	Yes	400	44.60	2,500	3.20	distance estimated on map
A033	Buda No. 2	Yes	200	47.20	4,000	1.00	distance estimated on map
A034	High View	Yes	900	4.00			

Record ID	Site name	Obs. well	Nearest obs. well distance (ft)	Nearest obs. well drawdown (ft)	Farthest obs. well distance (ft)	Farthest obs. well drawdown (ft)	Observation well comments
A035	Riverwild	No					
A037	Higginbotham Well	Yes	810	2.77	1,650	1.97	
A038	Hunter	Yes	800	13.00			distance estimated on map
A040	Mt. Sharp	Yes	660	3.32			based on 1 year scenario
A041	Mandola	Yes	1,150	2.00			distance estimated on map
A042	Leisurewoods No. 6	Yes	500	0.00		0.00	distance estimated on map
A043	Oak Forest 2010	Yes	7,400	0.00			No observation well nearby
A044	Cimarron Well No. 2	Yes	1,000	5.90	6,000	1.71	estimated distance
A045	Porter No. 1	Yes	3,750	2.60			
A046	Huntington Estates No. 1	Yes	1,000	0.70	2,500	0.28	distance estimated on map
A047	Creedmoor-Maha Site 1	Yes	50	79.00	9,700	2.00	twenty wells monitored
A048	Elliott Ranch No. 1	Yes	500	1.20	2,200	0.13	
A049	Cimarron Well No. 3	Yes					seven wells monitored, apparently no drawdown
A050	Elliott Ranch No. 2	Yes	500	1.20	2,200	0.20	
A051	Porter No. 2	Yes	3,750				
A052	Faith Dunn Ranches	Yes	390	5.00			
A053	Oaks at Gatlin Creek	Yes	550	0.06			
A054	Heatherwood	Yes	320	7.60			distance estimated on map
A055	Creedmoor-Maha Site 2	Yes	50	10.50	1,000	1.50	twenty wells monitored
A056	Homestead at Gatlin Creek	Yes	537	6.29			
A057	Manchaca Optimist Club	Yes	250	0.27			only one well showed response
A058	Onion Creek Golf No. 3	Yes	151	15.00	617	4.00	
A059	Onion Creek Golf No. 1 & 2	Yes	333	550.00	617	550.00	estimated from OC-3 distances
A060	Shady Hollow Well No. 1	No					
A061	Shady Hollow Well No. 1	Yes	1,000	0.10			no change measured
A063	Shady Hollow Well No. 2	Yes	1,250	0.10	4,250	0.00	No measurable drawdown
A064	Kennedy Ranch	Yes	740	1.65			
A067	Chama Trace Pumping Well	Yes	300	10.90			distance estimated on map
A068	Roger Hanks	No					
A069	Dos Lagos	Yes	450	3.30			distance estimated on map
A070	Valley Verde	Yes	600	1.30			
A071	Foster Ranch/Belterra	No					

Record ID	Site name	Obs. well	Nearest obs. well distance (ft)	Nearest obs. well drawdown (ft)	Farthest obs. well distance (ft)	Farthest obs. well drawdown (ft)	Observation well comments
A072	Shady Valley	Yes	600	1.85			
A073	Shady Valley	Yes	600	1.89			
A074	Shady Valley	Yes					
A075	Capital Soccer	Yes	2,500	0.90			distance estimated on map
A076	Polo Club	Yes	598.5	9.90	1,532.5	5.00	Middle Trinity monitor well (PC-1) 1,200 ft from pumping well; no drawdown; heads about 80 feet higher than lower Trinity
A077	Independence Park	Yes	700	0.90	1,850	0.10	distance estimated on map
A078	Sunset Valley	Yes					No (high confidence) measurable drawdown
A079	Goldenview	Yes	463	0.42			distance estimated on map
A080	Freescaple	Yes	50	37.10	1,600	9.10	Drawdown is a composite value of Middle and Lower Trinity
A081	Freescaple	Yes	50	9.00			
A083	St. Andrews No. 3	Yes	3,995	0.00	6,530	0.00	
A084	St. Andrews No. 2	Yes	200	20.00			
A085	Carr Well (Robert Small)	No					
A086	Fronterra	Yes	660	3.30			
A087	Deerfield Estates	Yes	120	44.38			
A088	Westridge	Yes	400	0.44			
A089	Heather Hills	Yes	625	11.19			distance estimated on map
A090	Forrister Well	No					
A091	Rudy's Bar-B-Q	Yes					
A092	Driskill Hotel Well	No					
A093	Walking W Ranch	Yes	620	2.70			
A094	Woodlands	Yes	800	0.20			
A095	EMS Well	No					
B097	Stacy Pool	No					
B098	Woodcreek MW-WLT	No					
B100	Top of the Hill	No					
B101	Needmore Well D	No					
B102	Catfish Pond	No					
B103	Hays MUD MT-1	Yes	600	39.00			Hays MUD PW-1
B104	Hays MUD PW-1	Yes	600	37.75			Hays MUD MT-1
B108	GRGC No. 5	Yes	1,800	5.60	2,990	0.80	GRGC No. 3 Well (nearest); Yates Well (farthest)

Record ID	Site name	Obs. well	Nearest obs. well distance (ft)	Nearest obs. well drawdown (ft)	Farthest obs. well distance (ft)	Farthest obs. well drawdown (ft)	Observation well comments
B109	The Lady Bird Johnson Wildflower Center	Yes	3,252	0.00	9,518	0.00	No effect on two monitored wells 5850410 (Ked) & 5849614 (Ked, Kgru)
B110	Charro Ranch	Yes	800	0.00	1,700	1.54	
B111	Electro Purification	Yes	5,808	0.00			Bridges Test Well No. 3
B112	Electro Purification	Yes	2,851.2	23.50	3,009.6	2.60	Bridges Test Well No. 1 (nearest) & 3
B113	Electro Purification	No					ongoing construction of wells 1 & 2
B114	Electro Purification	Yes	1,848	4.70	3,379.2	0.00	Bridges Test Well No. 1 & 2 (nearest)
B115	Electro Purification	Yes	2,323.2	8.70	1,742.4	7.50	Odell Test Well No. 3 (nearest) & Bridges Test Well No. 1
B116	Electro Purification	Yes	1,531.2	22.70	2,851.2	14.30	Odell Test Well No. 1 (nearest) & 3
B117	Electro Purification	Yes	2,323.2	9.90	3,379.2	20.40	Odell Test Well No. 1 (nearest) & Bridges Test Well No. 1
B121	Salt Lick	Yes	1,600	23.00			
B122	Driftwood Farms	Yes	620	11.80			livestock well located 620 ft south
B123	Onion Creek Club	No					no observation well required per BSEACD; no indication of well effects observed at Edwards Dowell Well
B124	Serenity Farmhouse Inn	Yes	188	0.00			Serentity Well #3 (SDR 92903) as Obs well
B133	City of Buda Well No. 5	Yes	2,124	11.00	6,900	5.00	5 obs well were used. Second day of test a rain event recharged No.5 well up 2 ft while obs wells showed up to 10ft rise.
B134	Bee Creek Stables Public Water Supply Well	No					No obs wells
B135	DSWSC Well No. 3	Yes	300	7.00	1,100	3.00	DS-2 not monitored
B136	Saddletree Ranch	No					Saleh #1 Well was to be used but PT got stuck in well
B137	Chaparral Water System Well No. 12	Yes	56	17.50	568	1.94	
B138	Escondida Ranch	Yes	600				only one obs well used, no data on drawdown
B139	Needmore Ranch	Yes	5,808	15.80	10,296	14.40	Near: Catfish well, Far: Amos well
B140	Texas Old Town	Yes	900	0.45			Obs well was Edwards well and drawdown was determined not likely a direct effect of pump test
B141	Medlin Creek Ranch	Yes	300	18.20			DSDR 438565
B142	Integrity Oaks Subdivision	Yes	750	2.48			SDR 443691
B143	Industrial Asphalt (Hays Quarry)	Yes	200	22.42			
B147	Trinity Episcopal School	Yes	380	0.00			unknown completion, only e-line data
B148	Industrial Asphalt (Hays Quarry)	Yes	200	22.42			1:1 drawdown between PW and OW- suggesting conduit connection. Obs Well: 585720B completed in "similar fashion"
B149	Electro Purification	Yes	1,140	139.60	6,140	66.70	Near: Bowman obs well, Far: Wood01 obs well
B150	Electro Purification	Yes	1,230	120.10	8,670	85.00	Near: Ochoa obs well, Far: Escondida 1 obs well
B151	Electro Purification	Yes	2,070	106.40	9,040	1.70	Near: Lowe obs well, Far: Bridges #3 obs well
B152	Heaton Hollow	Yes	900	10.08			existing livestock well east of PW
B153	HHS PWS	Yes	900	10.08			
B154	La Ventana #3	Yes	920	48.75			Well #2

Record ID	Site name	Obs. well	Nearest obs. well distance (ft)	Nearest obs. well drawdown (ft)	Farthest obs. well distance (ft)	Farthest obs. well drawdown (ft)	Observation well comments
B155	Hamilton Pool	No					No obs wells
B156	Hamilton Pool	No					No obs wells
B157	Bent Tree RV Resort	Yes	1,584		5,808		Mirasol #1 (5747613) = main obs well and manual measurements from Franks, King and Reyes
B158	Gragg #1	No					
B159	Gragg #2	Yes	891	34.00	2,028	17.00	existing Gragg #1 & Gragg #3 were used
B160	Gragg #3	Yes	2,028	9.00	2,215	8.00	existing Gragg #1 & Gragg #2 were used
B161	Copper Hills No.5	Yes	5,111	1.07			Obs well = Gragg #1 (SWN 5850755)
B162	Horseshoe Ridge RV Resort	Yes	995	14.00			Obs well = Well No.1, No response in MT obs well
B163	Horseshoe Ridge RV Resort	Yes	995	23.00			Obs well = Well No.2, No response in MT obs well
B164	Woodcreek 24	Yes					not reported
B165	Woodcreek 25	Yes					not reported
B166	Whiskey Ridge	Yes	950	0.92			existing 'Store Well' was used
B167	Sierra West 2	Yes	2,065		39,772		wells were either completed in different aquifer units, or located too far from pumping well to elicit a response
B168	Burton	Yes	0	4.29			Obs well is Kgr1 piezometer completed within the pumping well. Well is dually completed in Kcc & Kgr1
B169	Needmore Ranch	Yes	5,808		10,296		Catfish Pond, Top of the Hill and Amos observation wells

Table A-4. Pumping test findings: hydraulic parameters.

Record ID	Site name	Avg. T (gpd/ft)	Avg. K (gpd/ft ²)	Avg. K (ft/day)	Min. T (gpd/ft)	Max. T (gpd/ft)	Avg. S	Avg. S comment	Min. S	Max. S	Analytical solution	S used in statistics	Test used in statistics	Comment
A002	Bridlewood	6,600.0	66.00	8.84	6,630.0	6,690.0	1.00e-04	e	1.00e-04		Copper Jacob	No	Yes	No raw data from aquifer test provided, only analytical results and plots
A003	Bridlewood	96.6									Copper Jacob, only one calculation	No	Yes	No raw data from aquifer test provided, only analytical results and plots
A004	Cielo	225.0	1.88	0.251	71.0	299.0	1.00e-05	e			Cooper-Jacob, Theis	No	Yes	
A005	Little Arkansas	86.8	0.43	0.058	28.0	144.0	5.00e-03	e			Cooper-Jacob, Theis	No	Yes	
A006	Las Misiones	12,716.0	31.79	4.26	10,666.0	14,989.0	9.50e-04				Cooper-Jacob, Theis	Yes	Yes	
A007	Hermosa	60.0	0.71	0.095	8.2	158.4	1.00e-05	e			Cooper-Jacob, Theis	No	Yes	
A008	River Mountain Ranch	200.0			160.0	240.0	1.20e-05				Cooper-Jacob	Yes	Yes	
A009	Pinnacle Ridge	380.0			246.0	626.0	1.00e-03		1.00e-03		Cooper-Jacob, Theis	Yes	Yes	
A010	Kyle No.4	15,000.0	33.33	4.47	9,900.0	18,700.0	2.00e-04		1.50e-05	2.30e-04	Cooper-Jacob and Theis, Distance Drawdown	Yes	Yes	
A011	Kyle No.4	47,926.0	106.50	14.27	14,200.0	187,000.0	1.20e-03		1.30e-04	3.80e-03	Cooper-Jacob, Theis, Residual Drawdown, Distance Drawdown	Yes	Yes	
A012	Mustang (True) Ranch	3,127.0	52.12	6.98	1,309.0	3,127.0	9.50e-06	e			Cooper-Jacob, Theis	No	Yes	
A014	Monarch #4	67,000.0	12.50	1.68	105,000.0	2,200.0	1.00e-04	e	2.04e-05	2.63e-03	Cooper & Jacob various other methods	No	Yes	
A015	Plum Creek (Tecon) No. 3	19,621.0	43.60	5.84	10,921.0	23,733.0	3.07e-04		7.70e-05	5.84e-04	Cooper-Jacob, Theis	Yes	Yes	
A016	Goforth No.5	12,000.0	26.67	3.57	6,100.0	33,300.0	1.00e-03	e	9.40e-04	1.10e-03	Cooper-Jacob, Theis, Distance-Drawdown	No	Yes	
A017	Centex Well 415	100,905.0	288.30	38.63	43,200.0	169,714.0	5.80e-04		1.00e-04	1.20e-03	Cooper-Jacob, Theis	Yes	Yes	
A018	Ruby Ranch No. 5	4,257.0	59.12	7.92	2,200.0	15,600.0	6.00e-05		4.00e-05	8.00e-05	Specific Capacity, Cooper-Jacob, Theis, Residual Drawdown	Yes	Yes	Reported as "conservative nominal" values
A019	Ruby Ranch No. 4	250.0	1.06	0.143	244.0	580.0	1.00e-02	e			Cooper-Jacob, Theis	No	Yes	
A020	Running Rope/Sierra West	3,290.0	43.00	5.70	2,950.0	3,650.0	2.50e-05	e	2.40e-05	4.50e-05	Cooper-Jacob, Residual Drawdown, Theis, Distance-Drawdown	No	Yes	
A021	Penbur Well	1,284.0	2.85	0.382							Drawdown Recovery Curves	No	Yes	
A022	Centex	119,100.0	250.74	33.60	66,640.0	306,800.0	4.00e-04		2.40e-04	1.10e-03	Cooper-Jacob, Theis	Yes	Yes	geometric mean, storage values reflected unconfined values to west, confined values to east
A023	Centex Well 414	155,340.0	443.83	59.47	58,400.0	426,300.0	4.32e-04		2.50e-04	9.60e-04	Cooper-Jacob, Theis	Yes	Yes	
A024	Centex Well 414	231,000.0	575.00	77.05					1.00e-04	3.00e-04	Cooper-Jacob	No	Yes	
A025	Kelly's Country	300.0	2.22	0.298	217.0	355.0	1.00e-05	e	1.86e-05	2.78e-05	Cooper-Jacob, Theis	No	Yes	
A026	Buda No. 3	12,000.0	26.67	3.57	2,400.0	26,700.0	7.00e-04		2.00e-04	1.90e-03	Cooper-Jacob, Theis	Yes	Yes	
A027	Running Rope	231.0			150.0	350.0	1.30e-05		1.00e-06	1.00e-05	Cooper-Jacob and Horner Plot	Yes	Yes	Report omitted unrealistic parameters for max and min

Record ID	Site name	Avg. T (gpd/ft)	Avg. K (gpd/ft2)	Avg. K (ft/day)	Min. T (gpd/ft)	Max. T (gpd/ft)	Avg. S	Avg. S comment	Min. S	Max. S	Analytical solution	S used in statistics	Test used in statistics	Comment
A028	Ruby Ranch No. 3	202.5	1.19	0.160	110.0	450.0					Cooper-Jacob, Theis	No	Yes	
A029	Plum Creek (Tecon) No. 1	15,000.0	33.33	4.47	22,700.0	13,900.0	5.00e-04	e	7.60e-04		Cooper-Jacob	No	Yes	
A030	Goforth No.4	24,200.0	55.00	7.37			5.20e-03	e			Cooper-Jacob, Theis	No	Yes	
A031	Ruby Ranch No. 1	272.8	1.01	0.135	137.3	402.0					Cooper-Jacob, Theis	No	Yes	Nico Hauwert calculations; not a formal report
A032	Buda No. 1 & 2	36,950.0	51.00	7.00	3,000.0	94,000.0	7.95e-04		2.00e-05	3.00e-03	Cooper-Jacob, Theis	Yes	Yes	
A033	Buda No. 2	15,000.0	33.33	4.47	565.0	138,600.0	1.00e-03		2.00e-05	8.10e-03	Cooper-Jacob, Theis	Yes	Yes	
A034	High View	525.0	13.12	1.76	50.0	575.3	7.34e-05				Cooper-Jacob, Theis	Yes	Yes	
A035	Riverwild	5,000.0	50.00	6.70	42,850.0	2,950.0	1.00e-03	e			Cooper-Jacob, Theis	No	Yes	
A037	Higginbotham Well	83,700.0	186.00	24.92	68,400.0	9,900.0					Cooper-Jacob and Thesis	No	Yes	
A038	Hunter	4,591.3	10.20	1.37							Recovery	No	Yes	
A040	Mt. Sharp	4,000.0	40.00	5.36	2,640.0	11,220.0	7.00e-05		3.20e-05	1.10e-04	Cooper-Jacob, Theis	Yes	Yes	
A041	Mandola	2,050.0	13.67	1.83	510.0	3,870.0	1.00e-04	e	1.00e-06	3.00e-04	Cooper-Jacob, Theis	No	Yes	
A042	Leisurewoods No. 6	29,700.0	90.00	12.06							Cooper- Jacob	No	Yes	
A043	Oak Forest 2010	5,400.0	40.00	5.36	5,100.0	5,700.0	1.00e-03	e			Cooper-Jacob, Residual Drawdown	No	Yes	
A044	Cimarron Well No. 2	14,000.0	140.00	18.76			6.05e-02				Cooper-Jacob, Theis	Yes	Yes	
A045	Porter No. 1	176,000.0	391.11	52.41			3.80e-03				estimated T from specific capacity (T = SC * 2000)	Yes	Yes	
A046	Huntington Estates No. 1	7,885.0	45.06	6.04							Cooper-Jacob, Theis	No	Yes	
A047	Creedmoor-Maha Site 1	15,000.0	41.67	5.58			2.00e-03				Cooper-Jacob, Theis	Yes	Yes	
A048	Elliott Ranch No. 1	34,300.0	76.22	10.21	25,200.0	41,600.0	1.00e-02		3.60e-03	4.50e-02	Cooper-Jacob, Theis	Yes	Yes	
A049	Cimarron Well No. 3	103,000.0	228.89	30.67	96,900.0	622,400.0	1.00e-03				Cooper-Jacob and Thesis	Yes	Yes	
A050	Elliott Ranch No. 2	12,500.0	27.78	3.72	12,000.0	13,000.0					Cooper-Jacob, Theis	No	Yes	
A051	Porter No. 2										no calculation performed	No	Yes	
A052	Faith Dunn Ranches	1,034.0	34.47	4.62			4.01e-05	e			Theis	No	Yes	
A053	Oaks at Gatlin Creek	3,600.0	90.00	12.06			2.50e-04	e			Theis	No	Yes	
A054	Heatherwood	2,000.0	23.53	3.15	1,493.0	2,067.7	4.00e-05	e	1.00e-08	4.00e-05	Cooper-Jacob, Theis	No	Yes	
A055	Creedmoor-Maha Site 2	55,750.0	154.86	20.75			6.00e-04				Cooper-Jacob, Theis	Yes	Yes	
A056	Homestead at Gatlin Creek	3,000.0	75.00	10.05	2,287.0	3,729.0	1.00e-05	e		1.03e-05	Cooper-Jacob, Theis	No	Yes	
A057	Manchaca Optimist Club	774,565.0	2,498.60	334.8	24,761.0	130,152.0	1.16e-04		1.37e-06	1.37e-06	Theis	Yes	Yes	
A058	Onion Creek Golf No. 3	3,998.0	8.88	1.19	1,354.0	7,897.0	6.29e-05		1.90e-05	1.07e-04	Cooper-Jacob	Yes	Yes	
A059	Onion Creek Golf No. 1 & 2	2,734.0	6.08	0.814	463.0	6,565.0					Cooper-Jacob	No	Yes	

Record ID	Site name	Avg. T (gpd/ft)	Avg. K (gpd/ft ²)	Avg. K (ft/day)	Min. T (gpd/ft)	Max. T (gpd/ft)	Avg. S	Avg. S comment	Min. S	Max. S	Analytical solution	S used in statistics	Test used in statistics	Comment
A060	Shady Hollow Well No. 1										no calculation performed	No	Yes	
A061	Shady Hollow Well No. 1	586,666.0	1,862.43	249.6							Cooper-Jacob, Theis	No	Yes	
A063	Shady Hollow Well No. 2	6,183.0	21.32	2.86	200.0	11,400.0					Cooper-Jacob, Theis	No	Yes	
A064	Kennedy Ranch	2,250.0	14.06	1.88	1,822.0	3,897.0	1.30e-04	e	1.00e-05	2.00e-04	Cooper-Jacob, Theis, Neuman	No	Yes	
A067	Chama Trace Pumping Well	1,900.0	19.00	2.55	1,500.0	2,300.0	5.00e-05	e	5.00e-05	1.00e-04	Cooper-Jacobs and Theis	No	Yes	
A068	Roger Hanks	10,000.0	50.00	6.70	8,784.0	23,000.0	5.00e-03	e			Theis	No	Yes	estimated storage coefficients from Driskill
A069	Dos Lagos	12,000.0	150.00	20.10	9,605.2	13,950.0	3.00e-04	e	2.00e-04	3.00e-04	Cooper-Jacobs and Theis	No	Yes	
A070	Valley Verde	2,192.1	21.92	2.94	1,605.0	3,000.0	8.00e-03		1.00e-04	2.00e-02	Cooper-Jacob, Theis	Yes	Yes	
A071	Foster Ranch/Belterra	1,500.0	5.17	0.693							estimated T from specific capacity (T = SC * 2000)	No	Yes	
A072	Shady Valley	10,000.0	400.00	53.60	11,140.0	15,660.0	1.00e-03		1.00e-05	4.00e-03	Theis, Copper-Jacob	Yes	Yes	
A073	Shady Valley	10,000.0	400.00	53.60	11,140.0	15,270.0	1.00e-04	e			Cooper-Jacob, Theis	No	No	
A074	Shady Valley	10,000.0	400.00	53.60	11,850.0	15,660.0	1.00e-04	e			Cooper-Jacob, Theis	No	Yes	
A075	Capital Soccer	80,000.0	177.78	23.82	79,000.0	248,000.0	2.00e-04	e	2.00e-04	3.00e-04	Cooper-Jacob plot	No	Yes	not a formal report
A076	Polo Club	3,500.0	11.67	1.56	1,400.0	7,000.0	1.00e-04	e	4.00e-05	6.00e-02	Cooper-Jacob, Theis	No	Yes	
A077	Independence Park	1,500.0	3.33	0.447	1,300.0	3,200.0	1.00e-01	e	1.00e-04	1.50e-01	Cooper-Jacob, Theis	No	Yes	
A078	Sunset Valley	6,557.0	23.42	3.14	5,718.6	7,565.0					Cooper-Jacob, Theis	No	Yes	Nico Hauwert calculations; not a formal report
A079	Goldenview	972.0	24.30	3.26	164.0	13,203.0	5.00e-03	e	1.04e-03		Cooper-Jacob, Theis	No	Yes	972 Transmissivity used in availability calculations; Total drawdown in pumping well is unclear; higher values of drawdowns (76 ft) not explained in report but possibly interference, note page 4-1 is missing
A080	Freescall	1,200.0					1.00e-03	e			Theis, Copper-Jacob	No	Yes	Reported as "conservative nominal" values
A081	Freescall	1,600.0					2.00e-03				Theis, Copper-Jacob	Yes	Yes	Reported as "conservative nominal" values
A083	St. Andrews No. 3	240.0	1.78	0.238	184.0	330.0		nd			Specific Capacity, Cooper-Jacob, Residual Drawdown	No	Yes	
A084	St. Andrews No. 2	500.0			90.0	940.0	1.00e-03	e	2.30e-04	2.20e-03	Cooper-Jacob, Theis	No	Yes	draft report, tested 2 wells
A085	Carr Well (Robert Small)	2,870.0						see comment			Theis	No	Yes	estimated 1.85E-06 specific storage value reported; multiplied by aquifer thickness to get S
A086	Fronterra	2,000.0	10.00	1.34	1,200.0	3,700.0	1.00e-03	e	4.00e-04	2.00e-04	Cooper-Jacob, Theis	No	Yes	
A087	Deerfield Estates	250.0	2.27	0.305	181.0	475.0	1.00e-03	e	4.00e-04	2.00e-04	Theis, Neuman	No	Yes	
A088	Westridge	1,336.0	17.81	2.39	610.0	2,014.0	1.50e-02		3.00e-04	5.00e-02	Theis	Yes	Yes	
A089	Heather Hills	100.0	0.33	0.045	68.5	205.5	3.00e-04		1.00e-05	1.00e-03	Theis	Yes	Yes	
A090	Forrister Well	1,030.0										No	Yes	

Record ID	Site name	Avg. T (gpd/ft)	Avg. K (gpd/ft2)	Avg. K (ft/day)	Min. T (gpd/ft)	Max. T (gpd/ft)	Avg. S	Avg. S comment	Min. S	Max. S	Analytical solution	S used in statistics	Test used in statistics	Comment
A091	Rudy's Bar-B-Q	1,149.0	3.19	0.428	81.9	5,280.0					Honer Plot and Cooper-Jacob, Theis	No	Yes	not a formal report
A092	Driskill Hotel Well	568.5			562.0	575.0					Cooper-Jacob plot	No	Yes	no formal report
A093	Walking W Ranch	2,300.0	30.67	4.11	2,705.0	1,948.0	5.00e-05		2.00e-05	5.00e-05	Cooper-Jacob, Theis	Yes	Yes	
A094	Woodlands	9,600.0	240.00	32.16	4,945.0	12,000.0	3.40e-02	e	1.32e-04	1.00e-01	Cooper-Jacob, Theis	No	Yes	
A095	EMS Well	1,020.0	5.10	0.682	600.0	1,800.0					Cooper-Jacob, Theis	No	Yes	no formal report
B097	Stacy Pool	1,625.0	4.10	0.550	1,522.0	2,200.0	1.00e-02		6.00e-03	1.70e-02	Cooper-Jacob, Papadopulos-Cooper, Theis	No	Yes	
B098	Woodcreek MW-WLT	359.6	1.24	0.093	298.1	421.1		not reported			Theis, Theis Recovery	No	Yes	
B100	Top of the Hill	396.5	6.57	0.880				not reported			Theis Recovery	No	Yes	
B101	Needmore Well D	39,123.0	55.60	7.45				not reported			Theis Recovery	No	No	
B102	Catfish Pond	688.2	2.54	0.340				not reported			Theis Recovery	No	Yes	
B103	Hays MUD MT-1	775.0	5.50	0.737	615.0	866.0	2.67e-05		2.00e-05	4.00e-05	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B104	Hays MUD PW-1	1,130.0	8.10	1.09	840.0	1,275.0	1.67e-05		1.00e-05	2.00e-05	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B108	GRGC No. 5	1,325.0	4.02	0.537	1,200.0	1,450.0	4.00e-04	average of observation well analyses			Cooper-Jacob, Theis Curve, Residual Drawdown	Yes	Yes	
B109	The Lady Bird Johnson Wildflower Center	70.0	0.30	0.040							Theis	No	Yes	
B110	Charro Ranch	3,852.0	14.11	1.89							Theis	No	Yes	
B111	Electro Purification	7,480.5	24.70	3.31			7.00e-05				Theis	Yes	No	
B112	Electro Purification	2,678.0	8.51	1.14			1.34e-04				Theis	Yes	No	
B113	Electro Purification	800.4	2.67	0.358			7.40e-04				Theis	No	Yes	
B114	Electro Purification	439.1	1.38	0.185				not reported			Theis Recovery	No	Yes	
B115	Electro Purification	1,002.4	3.14	0.421			7.58e-04				Theis Recovery	Yes	Yes	
B116	Electro Purification	4,997.0	15.67	2.10				not reported			Theis Recovery	No	No	
B117	Electro Purification	1,750.4	5.48	0.734			1.03e-04				Theis Recovery	Yes	Yes	
B121	Salt Lick	2,515.0	10.00	1.34	2,093.0	2,851.0	2.44e-04		5.00e-05	1.00e-03	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B122	Driftwood Farms	640.0	6.40	0.858	490.0	720.0	1.00e-05		1.00e-05	2.00e-05	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B123	Onion Creek Club	2,902.2	7.48	1.00				taken from well-distance estimations			Cooper-Jacob	No	Yes	
B124	Serenity Farmhouse Inn	5,139,100.1	19,996.50	2,673.2			1.00e-04	estimated			Theis, Cooper-Jacob	No	No	No drawdown and very high T & K values.
B133	City of Buda Well No. 5	67,000.0	257.69	34.53	11,000.0	123,000.0					Theis, Cooper-Jacob	No	Yes	no storativity values provided. Recharge event durring day 2 of test
B134	Bee Creek Stables Public Water Supply Well	2,233.0	29.77	3.99	2,200.0	2,300.0					Cooper-Jacob	No	Yes	no nearby suitable obs wells, S value for MT aquifer not determined

Record ID	Site name	Avg. T (gpd/ft)	Avg. K (gpd/ft ²)	Avg. K (ft/day)	Min. T (gpd/ft)	Max. T (gpd/ft)	Avg. S	Avg. S comment	Min. S	Max. S	Analytical solution	S used in statistics	Test used in statistics	Comment
B135	DSWSC Well No. 3	34,170.0	392.76	52.63	30,880.0	33,770.0	3.20e-04		1.00e-05	1.00e-03	Theis, Cooper-Jacob	Yes	Yes	
B136	Saddletree Ranch	5.0	0.04	0.0054	2.0	10.0	1.00e-02	estimated			Theis, Cooper-Jacob	No	No	
B137	Chaparral Water System Well No. 12	76.3	0.27	0.040			2.56e-04		1.89e-04		Cooper-Jacob, Theis	Yes	Yes	
B138	Escondida Ranch	393.0	6.50	0.871	365.0	416.0	1.00e-05	estimated			Theis, Cooper-Jacob, Papadopulos-Cooper, Dougherty-Badu	No	Yes	S value estimate used not considered reliable due to stress induced on the well by high pumping rate
B139	Needmore Ranch	5,931.6	16.95	2.27	5,565.1	6,178.5	9.23e-05		9.14e-05	1.60e-04	Theis, Cooper-Jacob, Papadopulos-Cooper, Dougherty-Badu, MLU-single layer, MLU-multi layer	Yes	Yes	Just Well D data Avg T (ft ² /d) = 3,229, Min= 976 ft ² /d, Max= 5,751; All wells (including obs wells) data compiled: Avg T = 744 t ² /day
B140	Texas Old Town	16,366.2	136.39	18.23	8,635.0	23,088.0					Mace, Theis, Driscoll, Cooper-Jacob	No	Yes	Avg T = 2,353 ft ² /day
B141	Medlin Creek Ranch	1,088.0	18.13	53.82			3.97e-02					Yes	Yes	
B142	Integrity Oaks Subdivision	3,600.0	40.00	5.35	3,546.0	3,684.0	4.00e-05		4.00e-05	5.00e-05	Theis, Coop-Jacob, Papadopulos-Cooper, Dougherty-Badu	Yes	Yes	
B143	Industrial Asphalt (Hays Quarry)	1,200.0	3.38	0.452	1,056.0	1,222.0	1.43e-02				Theis, Cooper-Jacob	Yes	No	
B147	Trinity Episcopal School	1,600.0	3.20	0.430	1,400.0	2,100.0		estimated range 0.0001 to 0.001			Theis, Cooper-Jacob	No	Yes	
B148	Industrial Asphalt (Hays Quarry)	791.1	1.76	0.235			3.63e-04	District's estimated storativity values are significantly lower (two orders of magnitude) than the Chapman estimates.			Theis, Cooper-Jacob	Yes	Yes	BSEACD transmissivity values are similar to those estimated by Chapman Engineering.
B149	Electro Purification	1,526.0	12.21	1.63	987.4	1,967.4	5.03e-05		1.02e-05	1.06e-04	Theis	Yes	Yes	Avg T = 204 ft ² /day
B150	Electro Purification	2,715.4	13.58	1.81	1,967.4	3,889.6	9.95e-05		5.42e-06	2.94e-04	Theis	Yes	Yes	Avg T = 363 ft ² /day
B151	Electro Purification	4,024.3	14.07	1.88	2,475.3	5,864.2	9.88e-05		1.00e-05	2.26e-04	Theis	Yes	Yes	Avg T = 538 ft ² /day
B152	Heaton Hollow	1,700.0	14.20	1.90	1,579.0	1,950.0	2.00e-04		1.00e-04	2.00e-04	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B153	HHS PWS	1,700.0	14.20	1.90	1,579.0	1,950.0	2.00e-04		1.00e-04	2.00e-04	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B154	La Ventana #3	1,735.0	43.40	8.80			6.80e-04				Gringarten-Witherspoon	Yes	Yes	
B155	Hamilton Pool	112.2	5.61	0.750	45.0	142.0	7.70e-03				Theis	No	Yes	Kho (deep screen) Sc = 0.06 gpm/ft & T = 15 ft ² /d.2) Analyze the data while pumping the 3 gpm (but only assume 1 gpm) that would be the Hosstton permeability.
B156	Hamilton Pool	254.3	6.36	0.850	172.0	359.0	7.70e-03				Theis	No	Yes	Kcc (shallow screen) Sc = 0.15 gpm/ft & T = 34 ft ² /d. 1) Analyze the drawdown data while pumping 2 gpm, that could give us the shallow Cow Creek permeability
B157	Bent Tree RV Resort	3,368.0	59.09	56.65				S value for an unconfined aquifer is provided in the literature as			theis, Cooper-Jacob	No	Yes	AqTest done in cooperation with BSEACD staff

Record ID	Site name	Avg. T (gpd/ft)	Avg. K (gpd/ft2)	Avg. K (ft/day)	Min. T (gpd/ft)	Max. T (gpd/ft)	Avg. S	Avg. S comment	Min. S	Max. S	Analytical solution	S used in statistics	Test used in statistics	Comment
								between 0.3 and 0.01 (unitless).						
B158	Gragg #1	1,239.5	3.45	0.463			2.99e-15				Theis	No	Yes	
B159	Gragg #2	2,650.5	7.38	0.989	751.8	5,394.2	4.50e-05		2.34e-05	4.59e-04	Cooper-Jacob, Theis	Yes	Yes	
B160	Gragg #3	3,645.8	10.16	1.36	966.5	5,394.2	2.76e-04		2.34e-05	8.18e-03	Cooper-Jacob, Theis	Yes	Yes	
B161	Copper Hills No.5	672.3	1.60	0.214	84.5	96.7	3.25e-05	based off of obs well Gragg #1	1.51e-05	4.98e-05	Theis, Cooper-Jacob	Yes	Yes	Avg T= 89.78 ft2/day
B162	Horseshoe Ridge RV Resort	176.0	0.82	0.110	84.0	678.0	2.66e-05		2.14e-05	2.91e-05	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B163	Horseshoe Ridge RV Resort	175.0	0.81	0.109	103.0	301.0	3.47e-05		2.54e-05	4.22e-05	Theis, Cooper-Jacob, Papadopulos-Cooper	Yes	Yes	
B164	Woodcreek 24											No	Yes	
B165	Woodcreek 25											No	Yes	
B166	Whiskey Ridge	880.0	3.40	0.456	707.0	2,206.0					Cooper-Jacob, Theis, Papadopulos-Cooper, Theis Residual Drawdown	No	Yes	
B167	Sierra West 2	938.4	13.80	1.85	819.8	1,199.0	1.85e-05		5.45e-06	4.90e-05	Theis, Cooper-Jacobs	Yes	Yes	
B168	Burton	632.1	3.79	0.506				nd			Theis	No	Yes	T=84.46 ft2/day, S-data based on Kgr1 piezometer from dual completed well
B169	Needmore Ranch	30,219.2	91.57	12.24	29,920.0	30,443.6	1.63e-04		1.00e-04	2.26e-04	Cooper-Jacob, Theis, Theis Recovery	Yes	No	Added 2026-09-21; WRGS 16-004 Tables 5 and 6

Appendix B. Source-Report Issues and Value-Selection Decisions

This appendix documents how the values published in Appendix A were derived. It covers problems identified in the original source reports, and decisions about which reported value or which competing analysis represents a given test well.

Table B-1 lists the issues found in the original reports and the value adopted in each case. Table B-2 lists the wells for which more than one analysis exists and records which one represents the well in this report's figures and statistics.

Table B-1. Issues identified in the original source reports, and the value adopted in each case.

Record(s)	Site	Issue identified in the source report	Value adopted
A018	Ruby Ranch No. 5	The 2010 compilation drew on an unsigned draft dated 18 July 2010. A finalized, signed report (GEOS Consulting, 24 February 2011) supersedes it and reports different values. The 5,000 gpd/ft carried in the 2010 appendix is a rounded figure the draft used for projections, not its computed result.	Values taken from the final report: transmissivity 5,000 to 4,257 gpd/ft (its Table 2 overall average, excluding residual drawdown per that table's own footnote), hydraulic conductivity recomputed to 59.1 gpd/ft ² (7.92 ft/day), storativity 5.0E-05 to 6.0E-05 (the value the report itself adopts).
A020	Running Rope / Sierra West	The report gives two transmissivities: a conservative value of 2,800 gpd/ft used for its availability projections, and the pumped well's own computed average of 3,290 gpd/ft, which the report annotates "3290 Avg."	The computed average adopted: 3,290 gpd/ft, with hydraulic conductivity 43 gpd/ft ² (5.7 ft/day), the report's own stated result. Pumping rate set to 235 gpm, the rate the report uses throughout its calculations.
A043	Oak Forest	The report states that Theis type-curve matching was not performed, because an early reduction in pumping rate confounded the early-time data. The report labels its storativity (0.001) an estimate; no observation well was close enough to calculate one.	Transmissivity (5,400 gpd/ft) and storativity confirmed against the source. Methods corrected to Cooper-Jacob and residual drawdown, and the transmissivity range populated from the report's two graphical estimates (5,100 and 5,700 gpd/ft). Storativity excluded from the statistics as an estimate.
A072, A073	Shady Valley	The 2010 report's own Appendix 1 contains the same 9-10 August 2002 test twice, with identical transmissivity (10,000 gpd/ft) but two different storativities (0.001 and 0.0001). Including both would count one physical test twice.	A072 is used in the statistics and A073 is excluded, so the test is counted once; A072 is the entry whose storativity is observation-well derived. Both remain in Appendix A. A074, a separate test of 7-8 August 2002 at the same site, is a distinct test and is retained and used.
A051, A060	Porter No. 2; Shady Hollow Well No. 1	Neither source report contains a completed analysis; the 2010 appendix records "no calculation performed" and carries no hydraulic parameters for either.	Retained in Appendix A as tests performed. They do not contribute to any figure or statistic.
A083	St. Andrews No. 3	The 2010 report compiled this well from undated draft notes — it gives the report name as 'DRAFT NOTES GEOS CONSULTING' and no report date — describing a 4.15-hour test on 3 April 2010, run within weeks of the well being drilled. The finalized report (GEOS Consulting Project 08-17, 13 January 2011) describes a different and much longer test of the same well: 51.5 hours over 22–26 November 2010, after the well was re-completed across a deeper interval. The two differ in nearly every field, including the aquifer thickness on which hydraulic conductivity depends. The final report also states that the pumping-phase data were too erratic to analyse, so its results rest on specific capacity and the recovery phase.	The November 2010 test is published, taken throughout from the final report: transmissivity 240 gpd/ft, the report's own stated average of its specific-capacity, residual-drawdown and recovery results (184, 220 and 330 gpd/ft); aquifer thickness 135 ft; hydraulic conductivity recomputed. Both observation wells are explicitly recorded as showing no response, so no storativity is carried. The April 2010 notes are unobtainable and that test is not published.
B108	GRGC No. 5	The report gives two different pumping rates for the same test, "overall average rate was 238GPM" in the text against 233 gpm used throughout its transmissivity figures, and two static water levels, a rounded 289 ft annotated on a figure against 277.15 ft measured at pump start in Table A-1. Its storativity (0.0004) is an	Transmissivity (1,325 gpd/ft) confirmed. Hydraulic conductivity set to satisfy $K = T/b$ as the report itself defines it: 4.015 gpd/ft ² , 0.537 ft/day. The storativity is used, but it is a spatial aggregate rather than a single-well value and should be read as such. The

Record(s)	Site	Issue identified in the source report	Value adopted
		arithmetic mean across three separate monitor wells rather than a single-well result.	pumping-rate discrepancy is unresolved and affects none of the published parameters.
B109	Lady Bird Johnson Wildflower Center	The report states that its storativity (0.0004) is "an estimate based on GRGC #5 Well test in 2013", a different well, used only as an input assumption for a specific-capacity transmissivity estimate. No observation-well analysis was possible, the transducer data having been lost. The report is also internally inconsistent on transmissivity, giving 70 gpd/ft in its conclusions and figures and 73 gpd/ft in one calculation box.	Storativity removed and excluded from the statistics. Transmissivity 70 gpd/ft adopted, the report's own predominant figure.
B123	Onion Creek Club	The report states that its storativity (5.0E-05) is a literature value: "storage coefficients from other publications indicate an average value of 5.0×10^{-5} (Wierman et al., 2010)", used only for a theoretical distance-drawdown projection. No observation well was available, so no Theis or Theis-recovery analysis was performed and the report produces a single transmissivity from one method.	Storativity removed and excluded from the statistics. Transmissivity 2,902 gpd/ft (388 ft ² /day, stated in four separate places in the report), hydraulic conductivity 7.48 gpd/ft ² (1.0 ft/day), Cooper-Jacob recorded as the sole method and no transmissivity range carried.
B124	Serenity Farmhouse Inn	The reported transmissivity, 687,000 ft ² /day or 5,139,100 gpd/ft, is about 150 times the next-highest Middle Trinity value in this compilation. It was estimated from analytical curves fitted to a test with effectively zero drawdown — none in the pumping well and none in an observation well 188 ft away — which introduces significant uncertainty into the estimate	The record is excluded from all statistics and figures.
B136	Saddletree Ranch	The reported transmissivity, 5 gpd/ft, is the lowest in the compilation by more than an order of magnitude. The source report was not available to this update, so the value could not be checked against it.	Transmissivity and hydraulic conductivity are retained as reported in Appendix A but excluded from the statistics and figures: drawdown was limited by the pump setting rather than by the aquifer, so the analysis does not describe aquifer response. Specific capacity corrected to the tested well's value, pumping rate to 2.5 gpm and pumping duration to 12.4 hours
B137	Chaparral Water System Well No. 12	The report gives three transmissivities for the same test: Cooper-Jacob 10.2 ft ² /day, Theis 15.4 ft ² /day and Theis recovery 27.6 ft ² /day.	The Cooper-Jacob value is adopted, 76.3 gpd/ft (0.27 gpd/ft ²), matching the method the report itself uses for its own distance-drawdown forecasting.
B138	Escondida Ranch	The report states that its storativity (1.0E-05) was assumed rather than measured: "the estimate of S from a pumping well is not considered reliable." Its single observation well was excluded from the analysis because it communicates with the Lower Trinity rather than the tested Middle Trinity.	Storativity retained in Appendix A but excluded from the statistics as an assumed value.
B139	Needmore Ranch (Well D)	The memo presents two transmissivities for the same well: 3,229 ft ² /day from specific capacity (its Table A-3) and 793 ft ² /day from AQTESOLV curve matching across the pumped and observation wells (its Table A-8). Its own Discussion and Conclusions states that "estimates of transmissivity from specific capacity were elevated when compared to analytical solutions in Aqtesolv and MLU."	The curve-matching value adopted: 5,932 gpd/ft (793 ft ² /day), from the same table the record's storativity (9.23E-05), with the range reset to that analysis's own spread (744 to 826 ft ² /day) and hydraulic conductivity recomputed.
B140	Texas Old Town	The report is internally inconsistent. Its Table 2 averages four methods (Mace, Theis, Driscoll and Cooper-Jacob: 1,154, 3,086, 2,273 and 2,901 ft ² /day) to 2,353 ft ² /day, while its body text and a figure caption elsewhere cite 2,188 ft ² /day.	Table 2's average adopted, 17,594 gpd/ft. This is the Upper Trinity maximum and is roughly two orders of magnitude above the other four tests in that group, which contains only five tests in total; readers should weight it accordingly.
B142	Integrity Oaks Subdivision	The drawdown reported for the nearest observation well, 2.48 ft, does not appear anywhere in the report's own observation-well data, which peak near 2.39 ft mid-test and settle around 2.05 to 2.09 ft at 24 hours, consistent with the report's text ("slightly more than 2 feet").	Noted; it affects none of the published parameters. Transmissivity (3,600 gpd/ft), hydraulic conductivity (40 gpd/ft ²) and storativity (4.0E-05, genuinely derived from an observation well 750 ft away) all confirmed against the source and used.
B147	Trinity Episcopal School	The report describes the tested interval as spanning the "Upper & Middle Trinity Aquifers", and its well schematic shows two screened intervals, 720 to 780 ft	Left classified as Middle Trinity pending a determination of whether the completion is genuinely composite. Transmissivity (1,600

Record(s)	Site	Issue identified in the source report	Value adopted
		and 800 to 840 ft, straddling an Upper to Lower Glen Rose contact the report marks as uncertain. Under the shallowest-unit convention used throughout this compilation, a genuine composite completion would be classified Upper Trinity rather than Middle Trinity.	gpd/ft), hydraulic conductivity (3.2 gpd/ft ²) and the report's 1,400 to 2,100 gpd/ft method range are as published. Reclassifying this single record would move it between two groups of 74 and 5 tests and would therefore change the Upper Trinity statistics materially.
B157	Bent Tree RV Resort	The storativity reported for this test, 0.3, sat at the upper physical limit for specific yield. It is not a measurement: the note published against it in Appendix A reads "S value for an unconfined aquifer is provided in the literature as between 0.3 and 0.01 (unitless)", a literature range rather than a result from this test, and 0.3 is its upper end. Neither monitor well has a recorded drawdown, so no observation-well storativity exists for this test, and the site is reported as semi-confined while the quoted figure is the unconfined range.	Storativity removed and excluded from the statistics, on the same reasoning as B109, B123 and B166. Transmissivity is unaffected and is retained.
B158	Gragg #1	The reported storativity, 2.99E-15, is physically impossible. It is an exact match to the source, which derived it from a single-well test with no observation well, a configuration in which well-bore storage and skin effects dominate the drawdown and storativity cannot be reliably estimated.	Retained as reported and excluded from the statistics, as a limitation of the test configuration rather than a data error. Transmissivity (1,240 gpd/ft) is unaffected and is used. The companion wells Gragg #2 and #3, which did use observation wells, return 4.5E-05 and 2.76E-04.
B164, B165	Woodcreek Wells 24 and 25	The source report covers the aquifer tests of both wells but does not disclose the results of either.	Retained in Appendix A as tests performed. They contribute no hydraulic parameters to any figure or statistic.
B166	Whiskey Ridge	The report states that its storativity (1.0E-05) "is derived from BSEACD Data Series Report 2010-0701", that is, from the regional literature rather than from this test, and that "storage coefficient calculations based on pumping well data are generally inconclusive, and those estimates are not included in this report." The observation well was separately judged unreliable for storativity.	Storativity removed and excluded from the statistics. Transmissivity 880 gpd/ft adopted, the report's own headline value, and the recorded methods expanded from two to the four actually used on the pumping-well data.
B168	Burton	The only storativity available for this test, 1.04E-42, is an AQTESOLV fit to a piezometer completed in the annulus of the pumping well itself rather than to an independent observation well. The accompanying documentation records that this piezometer showed no recovery during the test and unexplained oscillations only while pumping. A separate value of 8.99E-05 also appears, but it is an assumed value for a different interval (Cow Creek) borrowed from an unrelated well.	No storativity is carried for this test. Substituting the assumed Cow Creek value would attribute to this well a number derived from a different interval of a different well. Transmissivity (632 gpd/ft) is unaffected.
A047, A077, B098, B134, B135, B136	Six records with location discrepancies	Every reported coordinate was checked against US Census county boundaries. Six published records disagreed with their reported county. A047, A077 and B098 disagree between Travis and Hays; B136 (Saddletree Ranch) is reported Hays, but its own report is titled '...Dripping Springs, Travis county, TX' and its coordinates fall in Travis County. The remaining two, B134 (Bee Creek Stables) and B135 (DSWSC Well No. 3) both plotted about 55 miles east of the places their reports describe, the longitude in each carrying an incorrect degree value.	B136's county is corrected to Travis in Appendix A, the only county label this update changes. A047, A077 and B098 are within the published scope whichever reading is taken, so their reported county and coordinates are both published unchanged and the discrepancy is simply noted here. B134 and B135 have had the degree value of their longitude corrected, to -98.0281 and -98.0863, against the State of Texas Well Report for tracking #421075 and the TWDB Groundwater Database entry for State Well Number 5756704 respectively; the minutes and seconds were correct in both. Both now fall in their reported counties and are plotted.
DS 2010-0701	Storativity counts in the 2010 report	The 2010 report states that its tables and figures use only storativity calculated from observation-well data, and marks estimated values in its Appendix 1 with an 'e'. Applying that rule to the appendix gives different sample sizes from those published in its Table 8: 19 calculated Middle Trinity values against 10 unflagged, 3 Upper Trinity against 2, 3 Lower Trinity against 2, and	This update applies the stated rule as written. Its storativity sample sizes therefore differ from the 2010 report's for the same tests — smaller in the three Trinity groups and slightly larger in the Edwards. The middle column of Table 7 gives the like-for-like comparison and should be used when judging how much the added tests changed the storativity picture.

Record(s)	Site	Issue identified in the source report	Value adopted
		15 Edwards against 17. The basis for the published counts is not recoverable from the report.	

Table B-2. Wells for which more than one analysis exists, and which analysis represents the well in this report.

Records	Well or site	The competing analyses	Which is used, and why
B139 used; B101 excluded	Needmore Well D (State Well No. 6808306)	The same physical well was tested twice. The November 2012 test ran 22.4 hours with no observation wells and is recorded as B101. The January 2016 retest ran more than 120 hours with three observation wells and was analyzed by six methods, and is recorded as B139.	B139 represents the well. A 22-hour single-well test is not a competitive estimate against a 120-hour test of the same well with three observation wells, whatever the individual numbers would have been. B101 is excluded from all statistics and figures and retained in Appendix A.
B139 used; B169 excluded	Needmore Well D, January 2016 test	One test, 25-30 January 2016, analyzed twice. Wet Rock reports an average transmissivity of 4,040 ft ² /day (30,219 gpd/ft) and storativity 1.63E-04, from Cooper-Jacob, Theis and Theis Recovery fits at the pumped well. The District reports 793 ft ² /day (5,932 gpd/ft) and 9.25E-05, from fits to the three observation wells together with the pumped well, averaged across them. The two differ by about a factor of five.	The District analysis (B139) was used in statistics this test, because it rests on the observation-well response rather than on the pumped well alone. B169 carries the consultant values and is retained in Appendix A, excluded from the statistics.
B149, B150, B151 used; B111, B112, B116 excluded	Bridges #1, Bridges #2 and Odell #2 (Electro Purification well field)	All three wells were tested in 2014-2015 with open-hole completions spanning the full Middle Trinity section, and retested in 2016-2017 with packers isolating the Cow Creek. BSEACD staff analyzed the retest (Hunt and Smith, 2018). That memo states directly that "estimates of transmissivity from WRGS generally decreased from the 2015 to the 2017 reports... primarily due to the isolation of the Cow Creek in those test wells with packers in 2017. The aquifer-test data and evaluations in 2015 were likely influenced by contributions from the Lower Glen Rose."	The packer-isolated retests (B149, B150, B151) represent these three wells, on the source memo's own documented reasoning that the earlier tests were not isolated to the producing interval. Both transmissivity and storativity for all three were confirmed against that memo's Table 6. The 2015 records are excluded from all statistics and figures and retained in Appendix A.
B148 used; B143 excluded	Industrial Asphalt (Hays Quarry), State Well No. 5857211	One test, 5-7 April 2017, analyzed twice. Chapman Engineering reports transmissivity 1,200 gpd/ft and storativity 0.0143; the District's review of that test reports 791 gpd/ft and 3.63E-04. The District memo states that Chapman's storativity is "in error", being two orders of magnitude high and "more reflective of unconfined aquifer conditions", and that the near-1:1 drawdown response between the pumping well and an observation well 200 ft away, which indicates a fracture or conduit connection, is not acknowledged in Chapman's report. The District's own analysis excluded the pumping-well data for that reason and used the observation well alone.	The District's analysis (B148) represents this well, on the documented technical basis above. B143 is excluded from the statistics and figures and retained in Appendix A. The two preparers also assume different aquifer thicknesses, 355 ft and 450 ft; the District's 450 ft was confirmed against its own model output and Chapman's 355 ft is not explained in its report. This is a genuine difference between the analyses rather than an error, and both figures stand as reported.
B155 and B156 both used	Hamilton Pool Preserve public water supply well	A single well screened across both the Cow Creek (Middle Trinity, 40 ft) and the Hosston (Lower Trinity, 20 ft) was step-tested on 23 March 2017 and the two intervals evaluated separately, producing two records: Lower Trinity 112 gpd/ft and Middle Trinity 254 gpd/ft.	Both records are used. They are estimates for two different aquifers rather than two estimates of the same quantity, so keeping both does not double-count any value within an aquifer group.

Appendix C. Map Key

Sites are listed by the map identifier printed beside each point on Figures 1 and 2. Identifiers 1 through 89 are those published in the 2010 report and are unchanged; identifiers from 90 upward were assigned to sites added by this update.

Map ID	Site name	County	Aquifer group(s)	Record ID(s) in Appendix A
2	Bridlewood	Hays	Middle Trinity	A002
3	Bridlewood	Hays	Edwards	A003
4	Cielo	Hays	Middle Trinity	A004
5	Little Arkansas	Hays	Upper Trinity	A005
6	Las Misiones	Hays	Middle Trinity	A006
7	Hermosa	Hays	Upper Trinity	A007
8	River Mountain Ranch	Hays	Upper Trinity	A008
9	Pinnacle Ridge	Hays	Middle Trinity	A009
10	Kyle No.4	Hays	Edwards	A010
10	Kyle No.4	Hays	Edwards	A011
11	Mustang (True) Ranch	Hays	Middle Trinity	A012
13	Monarch #4	Hays	Edwards	A014
14	Plum Creek (Tecon) No. 3	Hays	Edwards	A015
15	Goforth No.5	Hays	Edwards	A016
16	Centex Well 415	Hays	Edwards	A017
17	Ruby Ranch No. 5	Hays	Middle Trinity	A018
18	Ruby Ranch No. 4	Hays	Edwards	A019
19	Running Rope/Sierra West	Hays	Middle Trinity	A020
20	Penbur Well	Hays	Edwards	A021
21	Centex	Hays	Edwards	A022
21	Centex Well 414	Hays	Edwards	A023, A024
22	Kelly's Country	Hays	Middle Trinity	A025
23	Buda No. 3	Hays	Edwards	A026
24	Running Rope	Hays	Upper Trinity	A027
25	Ruby Ranch No. 3	Hays	Edwards	A028
26	Plum Creek (Tecon) No. 1	Hays	Edwards	A029
27	Goforth No.4	Hays	Edwards	A030
28	Ruby Ranch No. 1	Hays	Edwards	A031
29	Buda No. 1 & 2	Hays	Edwards	A032
30	Buda No. 2	Hays	Edwards	A033
31	High View	Hays	Middle Trinity	A034
32	Riverwild	Hays	Middle Trinity	A035
34	Higginbotham Well	Hays	Edwards	A037
35	Hunter	Hays	Edwards	A038
37	Mt. Sharp	Hays	Lower Trinity	A040
38	Mandola	Hays	Middle Trinity	A041
39	Leisurewoods No. 6	Hays	Edwards	A042
40	Oak Forest 2010	Hays	Middle Trinity	A043
41	Cimarron Well No. 2	Hays	Edwards	A044
42	Porter No. 1	Hays	Edwards	A045
43	Huntington Estates No. 1	Hays	Edwards	A046
44	Creedmoor-Maha Site 1	Travis	Edwards	A047
45	Elliott Ranch No. 1	Hays	Edwards	A048
46	Cimarron Well No. 3	Hays	Edwards	A049
47	Elliott Ranch No. 2	Hays	Edwards	A050
48	Porter No. 2	Hays	Edwards	A051
49	Faith Dunn Ranches	Hays	Middle Trinity	A052
50	Oaks at Gatlin Creek	Hays	Middle Trinity	A053

Map ID	Site name	County	Aquifer group(s)	Record ID(s) in Appendix A
51	Heatherwood	Hays	Middle Trinity	A054
52	Creedmoor-Maha Site 2	Travis	Edwards	A055
53	Homestead at Gatlin Creek	Hays	Middle Trinity	A056
54	Manchaca Optimist Club	Travis	Edwards	A057
55	Onion Creek Golf No. 3	Travis	Edwards	A058
56	Onion Creek Golf No. 1 & 2	Travis	Edwards	A059
57	Shady Hollow Well No. 1	Travis	Edwards	A060, A061
59	Shady Hollow Well No. 2	Travis	Edwards	A063
60	Kennedy Ranch	Hays	Middle Trinity	A064
63	Chama Trace Pumping Well	Hays	Lower Trinity	A067
64	Roger Hanks	Hays	Lower Trinity	A068
65	Dos Lagos	Hays	Middle Trinity	A069
66	Valley Verde	Hays	Middle Trinity	A070
67	Foster Ranch/Belterra	Hays	Lower Trinity	A071
68	Shady Valley	Hays	Middle Trinity	A072, A073, A074
69	Capital Soccer	Travis	Edwards	A075
70	Polo Club	Hays	Lower Trinity	A076
71	Independence Park	Hays	Edwards	A077
72	Sunset Valley	Travis	Edwards	A078
73	Goldenvue	Hays	Middle Trinity	A079
74	Freescall	Travis	Middle Trinity	A080
75	Freescall	Travis	Middle Trinity	A081
77	St. Andrews No. 3	Travis	Middle Trinity	A083
78	St. Andrews No. 2	Travis	Lower Trinity	A084
79	Carr Well (Robert Small)	Travis	Middle Trinity	A085
80	Fronterra	Hays	Lower Trinity	A086
81	Deerfield Estates	Hays	Middle Trinity	A087
82	Westridge	Hays	Middle Trinity	A088
83	Heather Hills	Hays	Lower Trinity	A089
84	Forrister Well	Travis	Edwards	A090
85	Rudy's Bar-B-Q	Travis	Edwards	A091
86	Driskill Hotel Well	Travis	Lower Trinity	A092
87	Walking W Ranch	Hays	Middle Trinity	A093
88	Woodlands	Hays	Middle Trinity	A094
89	EMS Well	Hays	Middle Trinity	A095
98	Texas Old Town	Hays	Upper Trinity	B140
99	Catfish Pond	Hays	Middle Trinity	B102
100	Needmore Well D	Hays	Middle Trinity	B101
100	Needmore Ranch	Hays	Middle Trinity	B139, B169
101	Top of the Hill	Hays	Middle Trinity	B100
102	Heaton Hollow	Hays	Middle Trinity	B152
103	Woodcreek 24	Hays	Middle Trinity	B164
104	Woodcreek 25	Hays	Middle Trinity	B165
105	Escondida Ranch	Hays	Middle Trinity	B138
106	Woodcreek MW-WLT	Travis	Lower Trinity	B098
107	Electro Purification	Hays	Middle Trinity	B117
108	Electro Purification	Hays	Middle Trinity	B114
109	Electro Purification	Hays	Middle Trinity	B113
110	Electro Purification	Hays	Middle Trinity	B115
111	Serenity Farmhouse Inn	Hays	Middle Trinity	B124
112	Electro Purification	Hays	Middle Trinity	B112, B149
113	Electro Purification	Hays	Middle Trinity	B111, B150
114	Whiskey Ridge	Hays	Middle Trinity	B166
115	Electro Purification	Hays	Middle Trinity	B116
116	Electro Purification	Hays	Middle Trinity	B151

Map ID	Site name	County	Aquifer group(s)	Record ID(s) in Appendix A
117	Burton	Hays	Middle Trinity	B168
118	Horseshoe Ridge RV Resort	Hays	Lower Trinity	B162
119	Sierra West 2	Hays	Middle Trinity	B167
120	Horseshoe Ridge RV Resort	Hays	Lower Trinity	B163
121	Integrity Oaks Subdivision	Hays	Middle Trinity	B142
123	Industrial Asphalt (Hays Quarry)	Hays	Middle Trinity	B143, B148
126	La Ventana #3	Hays	Middle Trinity	B154
127	City of Buda Well No. 5	Hays	Edwards	B133
128	Driftwood Farms	Hays	Middle Trinity	B122
129	Salt Lick	Hays	Middle Trinity	B121
130	Gragg #3	Hays	Lower Trinity	B160
131	Gragg #2	Hays	Lower Trinity	B159
132	Gragg #1	Hays	Lower Trinity	B158
133	Chaparral Water System Well No. 12	Hays	Edwards	B137
134	Charro Ranch	Hays	Middle Trinity	B110
135	Copper Hills No.5	Hays	Lower Trinity	B161
136	Onion Creek Club	Travis	Middle Trinity	B123
137	DSWSC Well No. 3	Hays	Middle Trinity	B135
138	Hays MUD MT-1	Hays	Middle Trinity	B103
138	Hays MUD PW-1	Hays	Middle Trinity	B104
139	GRGC No. 5	Travis	Middle Trinity	B108
140	The Lady Bird Johnson Wildflower Center	Travis	Middle Trinity	B109
141	HHS PWS	Hays	Lower Trinity	B153
142	Stacy Pool	Travis	Lower Trinity	B097
143	Medlin Creek Ranch	Hays	Middle Trinity	B141
144	Trinity Episcopal School	Travis	Middle Trinity	B147
145	Saddletree Ranch	Travis	Middle Trinity	B136
146	Bent Tree RV Resort	Travis	Middle Trinity	B157
147	Bee Creek Stables Public Water Supply Well	Travis	Middle Trinity	B134
148	Hamilton Pool	Travis	Lower Trinity, Middle Trinity	B155, B156