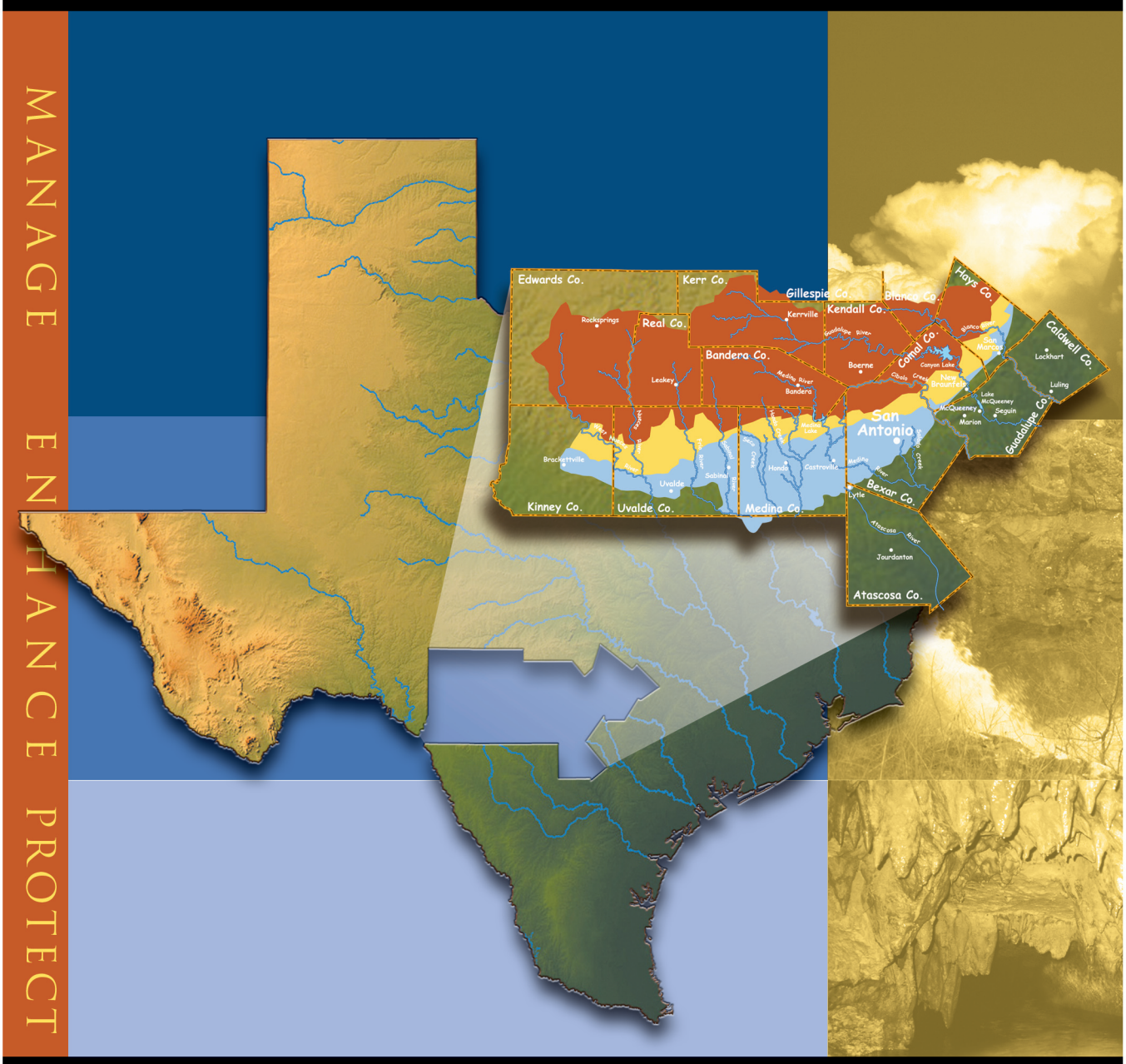
Edwards Aquifer Authority
Hydrologic Data Report
For 2008

MANAGE ENHANCE PROTECT



July 2009

Report No. 09-02

EDWARDS AQUIFER
AUTHORITY

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EDWARDS AQUIFER AUTHORITY HYDROLOGIC DATA REPORT FOR 2008

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INTRODUCTION

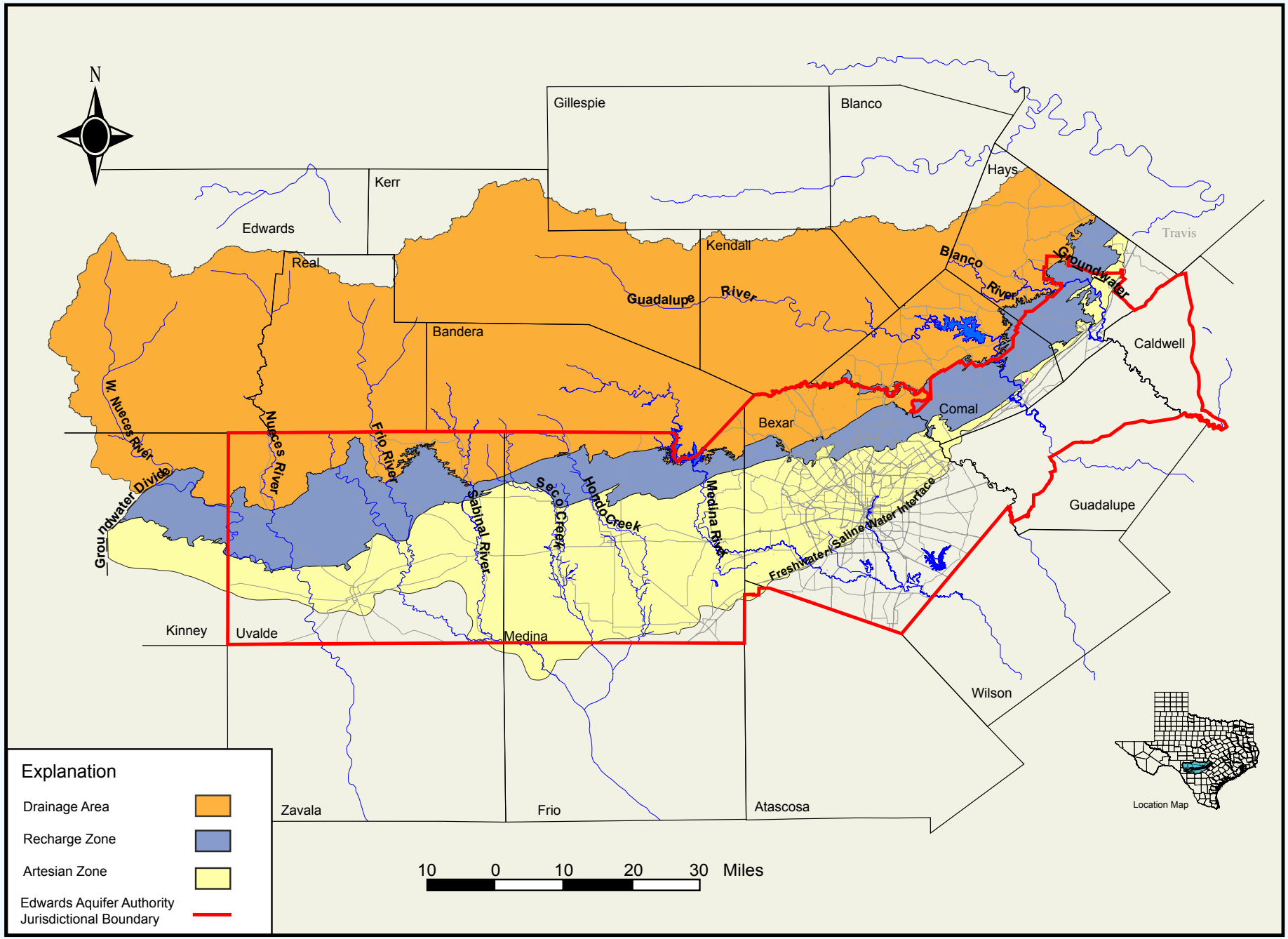
The Balcones Fault Zone Edwards Aquifer in south central Texas is one of the most permeable and productive aquifers in the United States. The San Antonio segment of the aquifer, which is the subject of this report, extends from the groundwater divide east of Brackettville in Kinney County, east to the city of San Antonio in Bexar County, then northeast to the groundwater divide near Kyle in Hays County—a distance of approximately 180 miles (Figure 1). The aquifer is the primary source of water for approximately 1.7 million people in the region (http://quickfacts.census.gov/qfd/) and provides most of the water for agriculture and industry. In addition, the aquifer discharges through a series of large springs that provide aquatic habitat for a number of threatened and endangered species. Springflow also provides a significant portion of water for downstream interests in the Guadalupe River Basin.

The Edwards Aquifer Authority (the Authority) was created by the Texas Legislature in 1993 to succeed the Edwards Underground Water District (EUWD) as a special regional water management district for the San Antonio segment of the Edwards Aquifer. The Authority's jurisdictional area encompasses all or parts of eight counties, including Uvalde, Medina, Atascosa, Bexar, Comal, Guadalupe, Hays, and Caldwell counties (Figure 1). The Authority is governed by a 17-member board of directors, with voting members elected to represent 15 districts across the Authority's region and two non-voting members appointed by other entities. Directors represent agricultural, industrial, domestic, municipal, spring, and downstream user groups. The Legislature also created the South Central Texas Water Advisory Committee (SCTWAC) to interact with the Authority on issues that could impact downstream water rights.

The Legislature mandated that the Authority take all necessary measures to effectively manage the resource to ensure domestic and municipal water supplies, to promote the operation of existing agriculture and industry, to protect terrestrial and aquatic habitat, and to sustain the economic development of the region. To accomplish these goals, the Authority is vested with all the "powers, rights, and privileges necessary to manage, conserve, preserve, and protect the aquifer, and to increase the recharge of, and prevent the waste or pollution of water in, the aquifer." [The Edwards Aquifer Authority Act, as amended.] *The Act is available in pdf format at www.edwardsaquifer.org*.

This report presents the results of the Authority's Edwards Aquifer data collection program for calendar year 2008. The Authority and cooperating agencies collected a wide variety of data regarding the Edwards Aquifer, including aquifer levels, precipitation measurements, recharge estimates, groundwater discharge and use, and water quality samples. In addition, the report contains historical aquifer recharge and discharge data for the period of record (1934–2008). Each type of data that were collected is described, and a summary of the 2008 data is provided. Later sections contain definitions and references.

Figure 1. San Antonio Segment of the Balcones Fault Zone, Edwards Aquifer, and Other Physiographic Features in the Region



HYDROGEOLOGY OF THE EDWARDS AQUIFER

The San Antonio Segment of the Balcones Fault Zone Edwards Aquifer in south central Texas is one of the largest and most important karst aquifer systems in the United States. The aquifer extends through parts of Kinney, Uvalde, Zavala, Medina, Frio, Atascosa, Bexar, Comal, Guadalupe, and Hays counties and covers an area approximately 180 miles long and five to 40 miles wide. The aquifer is the primary water source for much of this area, including the City of San Antonio and surrounding communities. Historically, the cities of Uvalde, San Antonio, New Braunfels, and San Marcos were founded around large springs that discharge from the aquifer. As the region grew, wells were drilled into the aquifer to supplement the water supplied by the springs. The Edwards Aquifer is the principal source of water for agriculture and industry in the region and provides springflow required for endangered species habitat, as well as recreational purposes and downstream uses in the Nueces, San Antonio, Guadalupe, and San Marcos river basins.

The Edwards Aquifer is contained within the Cretaceous-age Edwards Group limestone (Edwards Limestone) and associated units. The Edwards Group limestone is generally capped by the Del Rio Clay and overlies the Upper Glen Rose Formation (upper unit of the Trinity Aquifer). The Edwards Limestone forms the top of the Edwards Plateau in the drainage area, ranging from 450 to more than 600 feet in thickness in the Edwards Aquifer region. A series of faults in the Balcones Fault Zone has dropped the Edwards Limestone to the surface along the southern boundary of the Texas Hill Country. Downfaulting has dropped the Edwards Limestone to great depths below the surface along the aquifer's southern and eastern boundary. In some areas, freshwater can be found in the Edwards Limestone as much as 4,000 feet below the surface.

Water circulates through the Edwards Aquifer as part of the hydrologic cycle from recharge areas to discharge points (springs and wells). Approximately 1,250 square miles of Edwards Limestone is exposed at the ground surface and composes the recharge zone of the aquifer. Streams flow south or east from the drainage area (the Texas Hill Country) and lose all or most of their baseflow as they cross the recharge zone. In addition, part of the rain that falls directly on the recharge zone enters the aquifer. Groundwater moves through the aquifer and ultimately discharges from a number of exit points, such as Leona Springs in Uvalde County, San Pedro and San Antonio springs in Bexar County, Hueco and Comal springs in Comal County, and San Marcos Springs in Hays County. In addition, domestic, livestock, municipal, agricultural, and industrial wells throughout the region withdraw water from the aquifer. The residence time of water in the aquifer ranges from a few hours or days to many years, depending on depth of circulation, location, and other aquifer parameters.

The Edwards Aquifer is a karst aquifer, characterized by the presence of sinkholes, sinking streams, caves, large springs, and a well-integrated subsurface drainage system. Within the artesian zone, it is one of the most productive groundwater systems in the United States, characterized by extremely high capacity water wells and high spring discharges. The aquifer exhibits extremely high (cavernous) porosity and permeability, characteristic of many karst aquifers. In contrast, aquifers that occur in sand and gravel or in other rock types, such as sandstone, typically have a much lower permeability. The Edwards Aquifer's high permeability allows the transmission of large volumes of water, consequently enabling groundwater levels to respond quickly to rainfall (recharge) events.

Generally, the water quality in the aquifer is such that no treatment other than chlorination is required to meet drinking water standards. Historically, water quality in the Edwards Aquifer has been protected because of limited population and undeveloped land in the recharge zone and drainage area. However, there are potential threats to the quality of water in the aquifer from various sources, including the transport and use of hazardous substances and other chemicals on the recharge zone, abandoned or poorly completed water wells, and urban non-point runoff. The high porosity and permeability of the Edwards Aquifer allow inflow of contaminants from the ground surface with little or no filtration.

GROUNDWATER LEVELS

The Authority currently maintains a groundwater level monitoring network that covers an area from eastern Kinney County to central Hays County. Figures 2a, b, and c indicate the locations of the Authority's observation well network within the Edwards Aquifer region. The water level observation network includes both the recharge (unconfined) and artesian (confined) zones of the Edwards Aquifer and wells within the Trinity and Leona Gravel aquifers. Water levels are monitored through periodic manual measurements (tape down) and continuous recorders. All water level measurements are recorded in feet above mean sea level (msl). Many of the wells have at least partial historical records dating back to the 1930s. Water levels were measured manually until the United States Geological Survey (USGS) introduced continuous water level recorders in some of the observation wells in the 1930s. In more recent years, electronic data loggers, installed and maintained by the Authority, have replaced older style recorders.

In 2008, the Authority's Water Level Data Collection Program consisted of 48 continuous recorder-equipped observation wells and 15 periodic manually measured observation wells. The recorders measure water levels at 15-minute intervals using a float device or a pressure transducer. The data are recorded by the equipment at the site and then downloaded during site visits or by modem. The continuous recorders are calibrated during each download using a steel tape to ensure data quality. To augment the water level observation network, Authority staff also measure water levels at 15 observation wells on a monthly basis and approximately 150 to 170 additional wells under a regional synoptic water level monitoring program each year. In 2006, a focused synoptic water level program was initiated in Comal and Hays counties to better understand aquifer behavior in this area. These periodic measurements are made manually using steel-tape and electric-line measuring devices. Water level data collected by the Authority are forwarded to interested federal, state, and regional agencies.

The Authority and its predecessor, the EUWD, have also collected water level data from the Trinity Aquifer in northern Bexar County since 1991 and the Leona Aquifer in southern Uvalde County since 1966. Water level monitoring of the Edwards Aquifer and associated hydrogeologic units adds to the base of scientific knowledge and helps in the management of this regional water resource.

Historical water level trends, precipitation measurements, and discharges from springs and wells are used as a basis for projections of future aquifer level and spring discharge trends. Rising water levels generally indicate that the amount of water recharging the aquifer is greater than the amount being discharged through springs and wells. During droughts or when there is a high demand for water, aquifer water levels and springflows generally decline, indicating greater groundwater discharge than groundwater recharge. Table 1 lists the annual records of high and low water levels measured in five selected Edwards Aquifer observation wells across the region. Table 1 also lists the numerical mean of water levels for the period of record. The term "mean" is used in place of the term "average" throughout this report.

For the period of record, water levels are typically highest in the spring and then decline during the summer before rebounding in the fall and winter. During 2008, water levels across the region were generally above the historical mean value. As indicated in Figure 3, for calendar year 2008, the Bexar County index well J-17 (AY-68-37-203) was significantly above the mean historical value most of the year, except for a brief period in June. Water levels at J-17 finished the last six weeks of 2008 trending close to the historical average for the well, an indication of the continued lack of rainfall in calendar year 2008. The maximum and minimum water levels at J-17 for 2008 were 689.2 and 657.3 feet above msl, respectively. The minimum value occurred in June, whereas the annual maximum for 2008 occurred in January. The highest water level on record at J-17 is 703.3 feet

(continued on page 9)

Figure 2a. Year 2008 Edwards Aquifer Authority Water Level Observation Network—Kinney, Uvalde, and Medina Counties

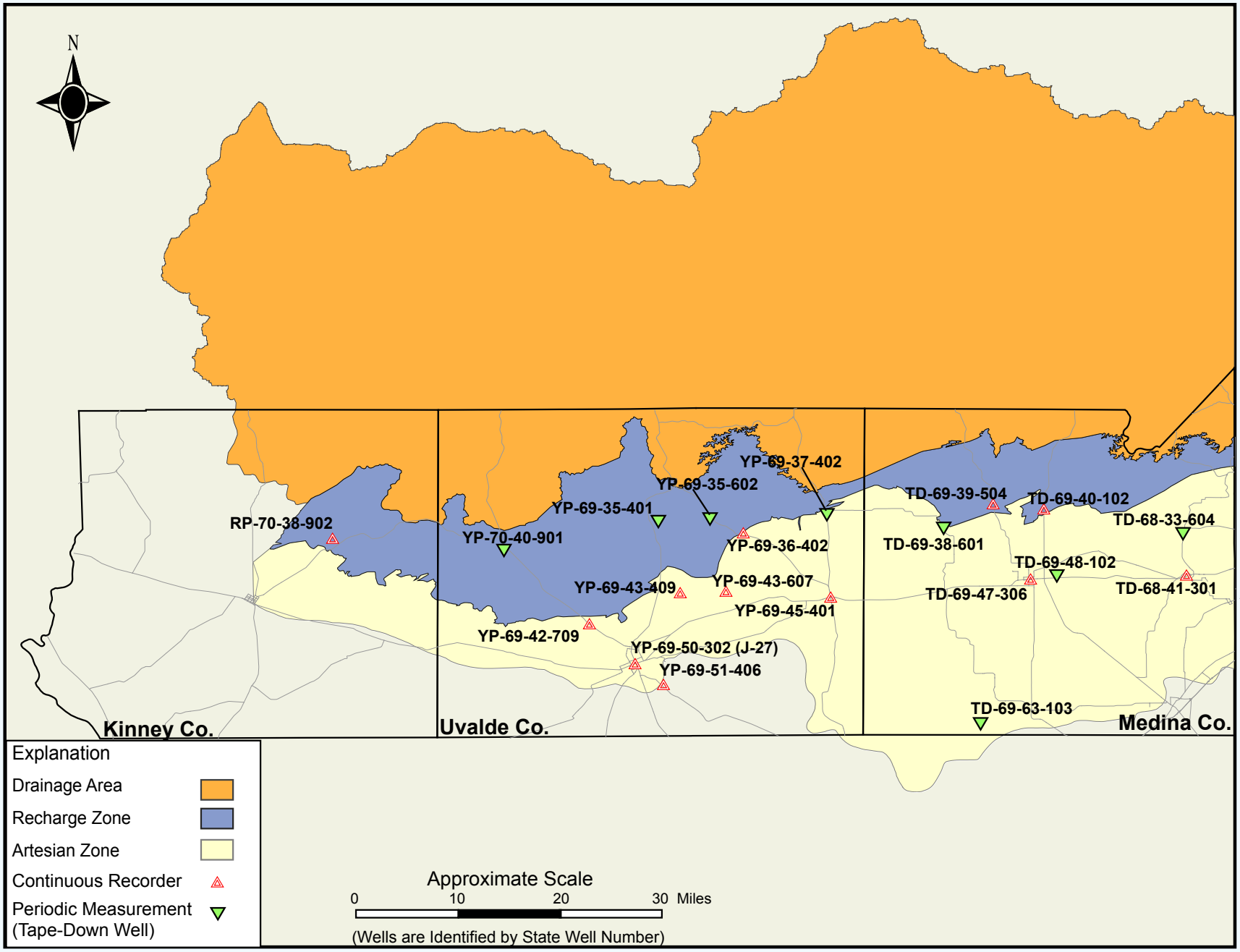


Figure 2b. Year 2008 Edwards Aquifer Authority Water Level Observation Network—Bexar County

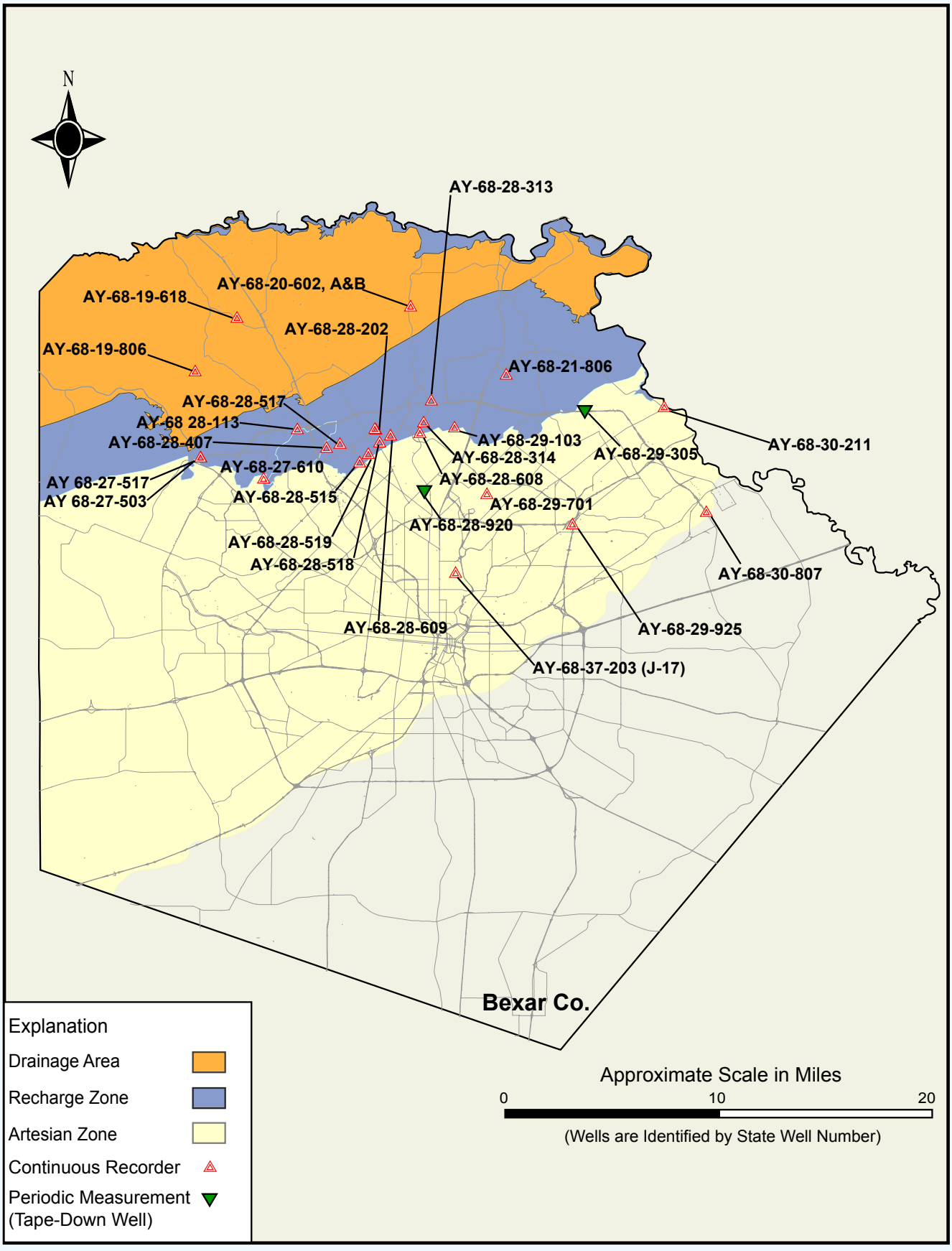


Figure 2c. Year 2008 Edwards Aquifer Authority Water Level Observation Network—Comal and Hays Counties

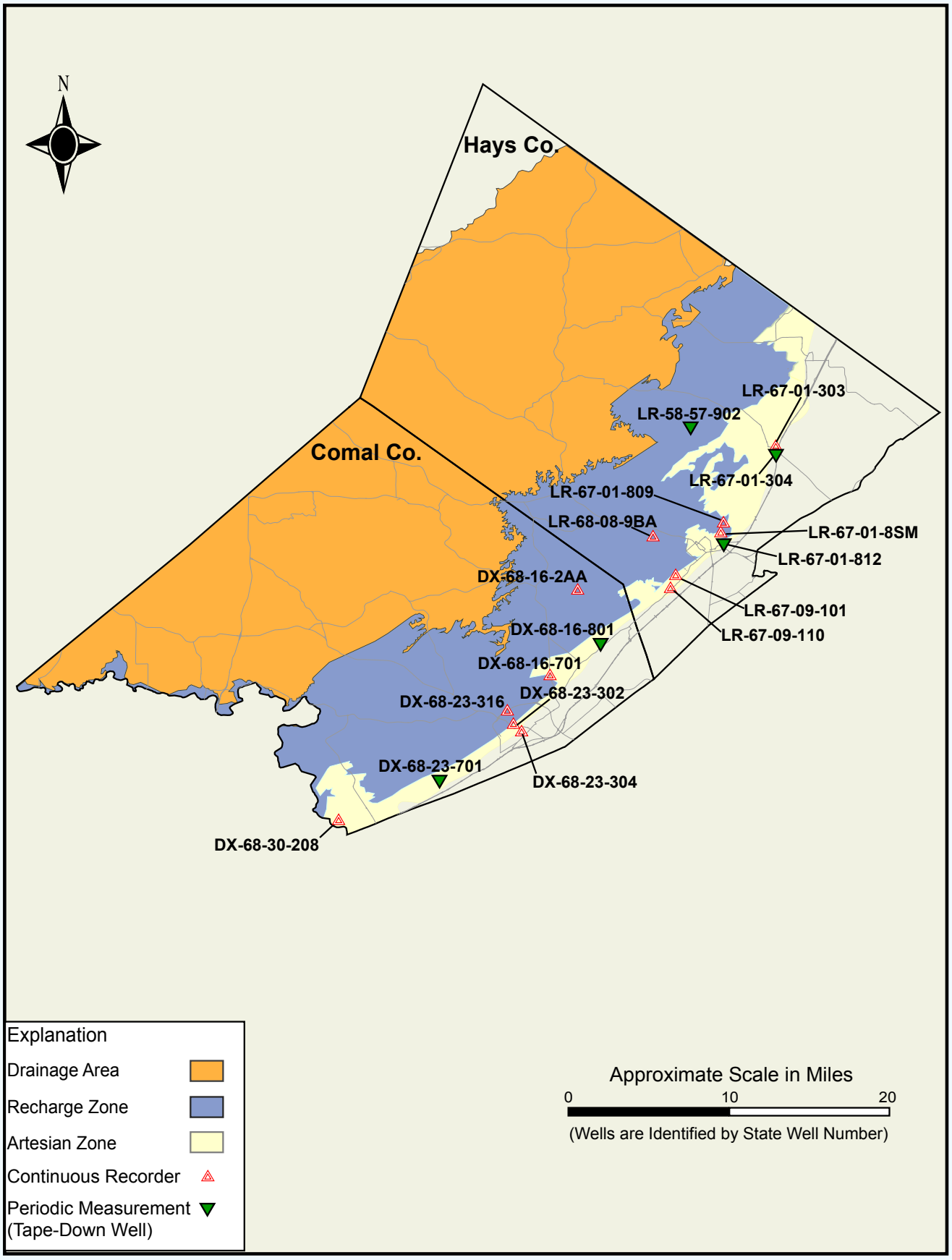


Table 1. Highest and Lowest Recorded Water Levels for Selected Observation Wells in the San Antonio Segment of the Edwards Aquifer, 1934–2008 (measured in feet above msl).

	City of Uvalde Uvalde County YP-69-50-302[a] (J-27)		Castroville Medina County TD-68-41-301[b]		San Antonio Bexar County AY-68-37-203[c] (J-17)		New Braunfels Comal County DX-68-23-302[d]		Kyle Well Hays County LR-67-01-304[e]	
Year	High	Low	High	Low	High	Low	High	Low	High	Low
1934	----	----	----	----	675.2	666.8	----	----	----	----
1935	----	----	----	----	681.3	666.8	----	----	----	----
1936	876.6	876.5	----	----	683.0	676.6	----	----	----	----
1937	878.1	877.1	----	----	682.1	674.9	----	----	583.4	581.6
1938	875.8	874.0	----	----	681.4	673.6	----	----	590.6	581.5
1939	873.4	869.6	----	----	674.1	665.7	----	----	580.6	569.6
1940	872.3	868.5	----	----	671.4	661.0	----	----	572.2	568.7
1941	875.7	867.7	----	----	682.5	668.3	----	----	587.7	578.6
1942	875.8	871.9	----	----	685.4	669.7	----	----	580.8	573.7
1943	874.5	868.0	----	----	679.6	668.5	----	----	578.2	574.6
1944	869.3	866.8	----	----	677.6	667.1	----	----	580.5	579.3
1945	870.1	865.2	----	----	681.9	668.8	----	----	----	----
1946	867.1	862.9	----	----	681.2	663.6	----	----	----	----
1947	870.7	867.1	----	----	680.7	665.8	----	----	577.3	577.0
1948	868.4	860.5	----	----	667.7	653.7	624.4	624.3	560.5	559.4
1949	871.2	859.1	----	----	671.6	655.6	626.7	624.1	562.3	561.8
1950	871.2	861.8	687.0	674.9	665.4	653.8	625.2	624.0	575.8	575.2
1951	861.8	846.8	675.2	659.9	656.0	640.6	624.2	622.5	575.3	569.4
1952	846.8	834.9	663.8	649.9	650.5	633.4	623.0	621.5	573.0	569.1
1953	835.2	817.8	665.1	647.7	651.5	630.5	623.6	621.1	584.5	573.2
1954	836.7	823.1	660.3	642.4	646.3	628.9	623.1	620.5	581.8	562.8
1955	834.3	824.1	649.1	635.6	638.5	624.2	621.9	619.8	575.7	558.4
1956	834.2	814.2	641.6	622.3	632.2	612.5	621.0	613.3	569.8	542.2
1957	840.9	811.0	666.1	633.0	653.8	624.4	624.7	620.1	584.9	568.3
1958	866.1	840.8	704.4	665.7	679.6	653.3	626.6	624.6	593.6	580.8
1959	876.1	866.2	703.8	689.0	677.7	661.5	627.1	625.1	591.4	580.5
1960	876.9	873.1	706.3	686.0	679.4	657.9	627.1	624.9	589.4	584.3
1961	878.5	875.6	710.3	693.4	681.2	663.9	627.3	625.7	591.6	573.2
1962	878.3	867.7	703.6	676.3	675.5	646.9	626.3	623.2	584.1	565.0
1963	869.7	860.9	689.1	659.2	665.8	635.0	625.0	621.7	581.6	560.0
1964	860.9	849.0	676.3	654.8	657.1	632.8	624.1	621.6	578.2	562.8
1965	865.8	860.3	689.6	666.8	675.0	645.6	626.6	623.5	590.1	573.4
1966	867.2	860.2	686.1	665.0	668.8	642.7	625.9	623.1	589.0	566.6
1967	867.4	856.4	679.4	645.2	659.7	624.9	624.6	620.0	582.8	556.6
1968	873.3	864.8	702.0	679.2	678.3	655.9	627.2	624.6	593.8	574.4
1969	875.0	866.5	694.8	670.5	676.1	642.8	626.3	623.4	588.7	567.7
1970	876.1	871.3	700.7	678.8	677.1	650.4	627.2	624.3	593.2	575.0
1971	877.7	864.0	701.3	646.4	674.6	627.9	626.2	621.0	577.1	551.3
1972	877.8	874.6	704.6	676.7	679.0	651.2	626.7	624.1	579.7	576.3
1973	881.6	874.5	731.2	690.1	696.5	665.9	629.8	626.1	589.9	572.3
1974	881.4	876.0	723.8	696.0	689.2	660.9	629.1	625.8	593.6	558.5
1975	882.1	879.4	721.0	708.2	686.9	672.0	629.3	626.5	589.8	571.4
1976	884.9	876.0	732.4	694.9	693.1	663.8	629.4	625.8	584.6	571.2
1977	886.2	881.3	737.8	715.3	696.0	675.6	630.2	627.6	587.4	562.1
1978	882.6	875.6	722.4	681.7	684.1	650.1	628.1	624.5	572.0	540.4
1979	882.0	876.1	728.2	710.3	690.5	676.4	629.0	627.3	584.9	572.0
1980	879.1	868.0	716.1	666.8	680.3	640.8	627.5	623.0	572.0	551.8
1981	881.8	867.9	723.2	698.8	686.0	668.6	628.0	625.5	586.2	565.5
1982	881.8	876.4	717.1	682.8	680.5	645.3	627.3	623.6	584.7	544.7
1983	877.1	871.3	698.2	667.7	670.0	642.1	625.6	623.0	588.7	560.4
1984	873.3	856.9	684.5	642.0	657.0	623.3	624.4	619.6	582.5	544.3
1985	876.9	862.2	699.0	670.7	674.5	644.1	626.8	623.3	591.4	561.8
1986	877.8	872.2	704.6	674.2	685.6	649.8	627.7	624.1	595.0	576.3
1987	889.1	877.9	743.5	711.1	699.2	676.9	630.4	627.2	595.9	583.5
1988	887.0	878.0	725.3	679.9	684.9	647.7	627.9	623.9	593.2	585.9
1989	879.0	866.6	695.3	650.5	663.9	626.4	624.9	620.5	571.7	571.5

(Table 1. continued)

	City of Uvalde Uvalde County YP-69-50-302[a] (J-27)		Castroville Medina County TD-68-41-301[b]		San Antonio Bexar County AY-68-37-203[c] (J-17)		New Braunfels Comal County DX-68-23-302[d]		Kyle Well Hays County LR-67-01-304[e]	
Year	High	Low	High	Low	High	Low	High	Low	High	Low
1990	872.9	861.6	679.5	640.8	658.1	622.7	624.3	620.3	577.6	561.2
1991	873.8	865.4	703.8	666.1	680.3	640.5	627.0	623.3	593.8	575.1
1992	885.2	872.9	743.6	704.3	703.3	680.7	630.9	627.0	595.4	586.2
1993	884.9	877.3	730.2	706.6	692.8	672.0	629.4	626.9	593.7	575.9
1994	----	----	718.6	684.1	679.2	652.1	627.2	624.7	575.0	545.3
1995	877.2	871.1	703.0	681.8	676.5	651.1	626.8	624.5	575.4	552.4
1996	874.2	859.0	693.0	650.2	664.9	627.5	625.3	621.2	573.2	551.3
1997	882.3	868.2	700.5	672.7	677.9	648.7	626.4	623.6	575.8	559.0
1998	880.6	868.7	717.1	669.1	688.9	640.0	629.6	622.9	575.6	552.4
1999	880.7	876.8	716.4	682.9	686.4	656.9	628.7	624.9	588.6	537.9
2000	878.3	868.0	700.4	662.5	676.7	635.5	626.8	622.2	549.2	544.6
2001	877.2	872.7	713.4	685.9	682.8	652.8	628.3	624.5	563.9	544.6
2002	883.2	876.3	732.7	685.8	697.9	650.0	630.2	624.6	589.3	554.4
2003	883.3	877.9	729.5	696.7	694.8	671.6	629.9	627.5	604.2	537.6
2004	884.9	879.2	740.9	706.3	702.1	677.6	632.6	627.4	609.5	542.6
2005	885.6	880.2	740.4	687.8	699.8	675.4	631.3	627.7	590.2	561.8
2006	879.3	868.6	689.7	675.1	678.1	647.6	627.7	623.8	603.4	513.7
2007	882.7	867.8	740.7	686.8	700.7	661.9	631.2	625.9	592.4	547.3
2008	882.6	873.4	727.3	682.2	689.2	657.3	629.3	625.5	587.6	536.9
Mean	High	Low	High	Low	High	Low	High	Low	High	Low
	873.6	864.7	704.8	675.0	677.4	652.8	627.1	623.7	583.7	563.5
Record	High	Low	High	Low	High	Low	High	Low	High	Low
Level	889.1	811.0	743.6	622.3	703.3	612.5	632.6	613.3	609.5	513.7
Month	June	April	June	Aug.	June	Aug.	Nov.	Aug.	Nov.	Sept.
Year	1987	1957	1992	1956	1992	1956	2004	1956	2004	2006

Data source: Edwards Aquifer Authority unpublished data (2008).
[a] = Continuous monitoring equipment established on October 24, 1940.
[b] = Continuous monitoring equipment established on May 25, 1950.
[c] = Continuous monitoring equipment established on January 1, 1963.
[d] = Continuous monitoring equipment established on November 4, 1948.
[e] = Values based on monthly tape-down measurements (No continuous monitoring equipment installed in this well).

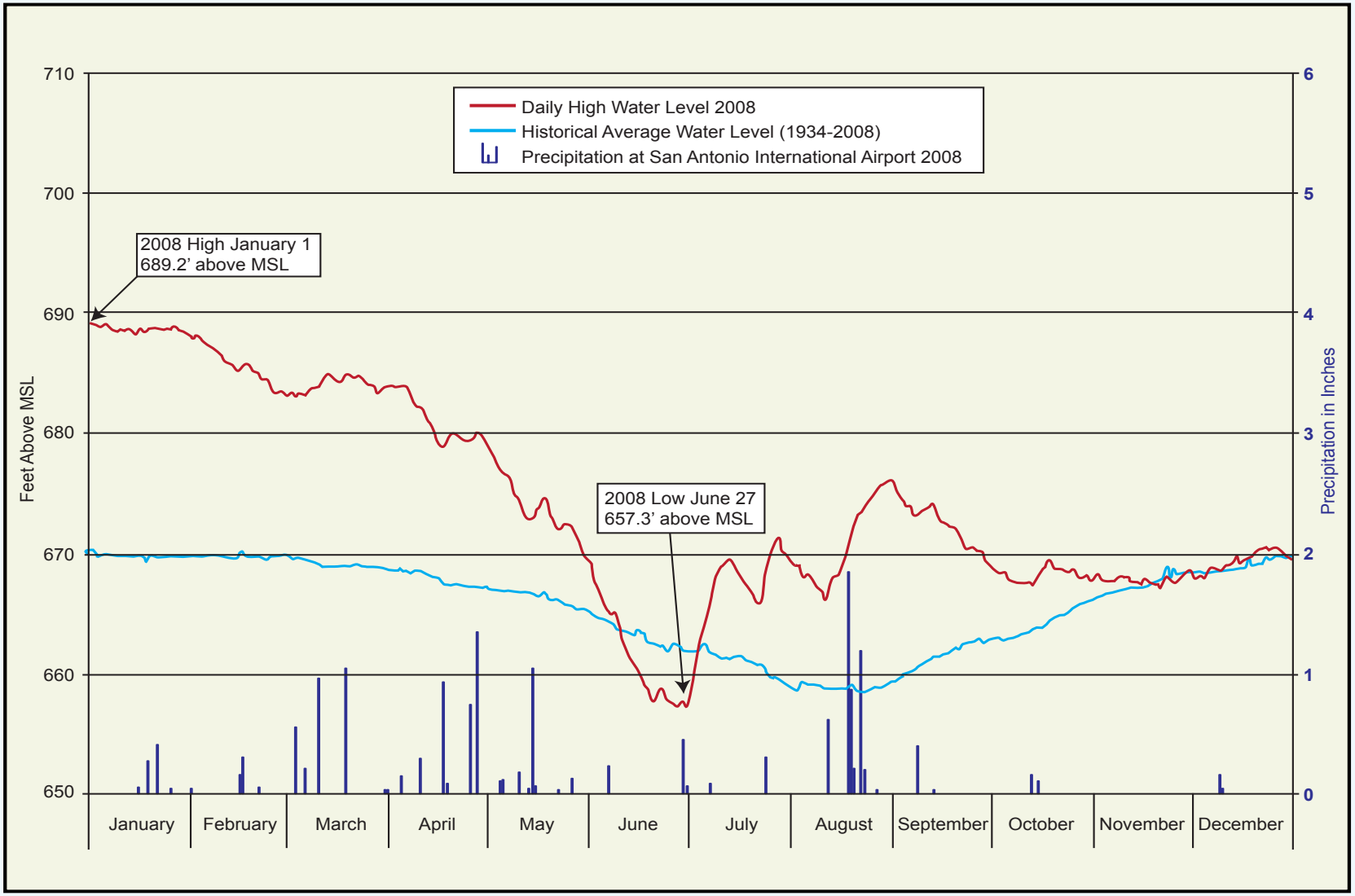
(continued from page 4)

above msl, occurring in June of 1992, whereas the lowest is 612.5 feet above msl, occurring in August of 1956. Other observation wells across the region exhibited behavior similar to that of J-17, with water levels generally above mean values, although few significant rainfall events occurred in 2008. The high water levels are attributed to the exceptional rainfall and recharge in 2007. Tables A-1 through A-6 in Appendix A provide a summary of 2008 water levels for selected observation wells.

Appendix B contains the 2008 hydrographs, with precipitation measurements, for wells in Bexar, Medina, and Uvalde counties. Appendix B also contains the 2008 hydrographs, with precipitation measurements, for Comal and San Marcos springs in Comal and Hays counties, respectively. The hydrographs indicate the periods of relatively lower and relatively higher water levels and show that water levels in the Edwards Aquifer respond rapidly to rainfall events.

Springflow also provides a measure of water levels within the aquifer. When water levels are high, springflow volumes remain high, whereas low water levels are reflected at the springs by lower springflow volumes. For 2008, springflow across the region was slightly influenced by rainfall between July and September. Mean flows at Comal Springs were above the historical average, whereas mean flows at San Marcos Springs were below the historical average during 2008.

Figure 3. Comparison of Historical Daily Mean Water Level for the Period of Record 1934–2008 and the Daily High Water Level at the Bexar County Index Well, J-17 (AY-68-37-203)



PRECIPITATION

Precipitation in the Edwards Aquifer Region

The San Antonio region is situated between the arid Chihuahuan Desert to the west and a wetter, more humid Coastal Plain to the east. Consequently, mean annual precipitation ranges from approximately 22 inches in the west part of the region to approximately 35 inches in the east part of the region. The mean annual precipitation for San Antonio is approximately 30.3 inches, although annual precipitation has ranged from 13.70 to 52.28 inches since 1934 (U.S. Department of Commerce, 2009). Aquifer water levels and springflow respond quickly to precipitation, decreasing during periods of low precipitation and increasing during periods of high precipitation.

Precipitation data are gathered from the Authority's real-time network rain-gauge stations and National Oceanic and Atmospheric Administration (NOAA) weather stations, located throughout the region. Figure 4 shows the locations of precipitation gauging stations used by the Authority to monitor precipitation in 2008. Precipitation data collected from these stations are used to calculate recharge to the Edwards Aquifer, monitor precipitation trends that may affect recharge to the aquifer, help evaluate the effectiveness of the Authority's Precipitation Enhancement Program (see Precipitation Enhancement Program), and investigategroundwater-flow paths by correlating rainfall and water level responses in wells.

Table 2 lists annual precipitation for selected rain gauges in the region since 1934. Tables 3a and 3b show monthly measurements for 2008 at selected rain-gauge stations across the region and deviation from the mean rainfall values, respectively. Table 4 lists monthly totals for rainfall at each of the real-time network rain-gauge stations. In 2008, the Authority's real-time network consisted of 62 operational rain-gauge sites, as indicated on Figure 4. Currently the Authority's real time network is in the third of a three-year program designed to optimize rain-gauge locations. Most, but not all, of the rain-gauge stations for 2008 are located on the recharge zone and drainage area. Rain-gauge station KE-05 was removed from service in 2008.

The amount of rainfall received at the San Antonio International Airport in 2008 was approximately 55 percent below the period-of-record mean. Mean precipitation in San Antonio for the period between 1934 and 2008 was 30.31 inches. In 2008, total precipitation measured at the San Antonio International Airport was 13.76 inches, or approximately 30-percent of the 47.25 inches recorded in 2007. Calendar year 2008 rainfall totals at the San Antonio International Airport were 16.55 inches below the period-of-record mean. Annual and mean precipitation data for San Antonio from 1934 through 2008 is shown in Figure 5.

Regional rainfall at the National Weather Service (NWS) Gauge locations in 2008 was below the mean across the region. For NWS stations, rainfall volumes ranged from a high of 16.70 inches in New Braunfels, to a low of 11.23 inches in Uvalde. Rainfall volumes in Table 2 (NWS gauges) range from 39.5 percent to 57.5 percent below annual mean values, with an average deviation from the mean rainfall value of 49.3 percent below normal.

Weather patterns in 2008 resulted in below-average rainfall amounts across the entire region, further resulting in persistent drought conditions throughout the area. According to the calibrated NEXRAD Radar summary in Figure 6, Edwards and Uvalde counties received the lowest rainfall volumes for the year. The highest rainfall volumes were in eastern Medina and northeastern Hays counties. Each grid square in Figure 6 represents a 16-square-kilometer (approximately 6.25 square miles) area, with shades of red indicating the highest rainfall. Each color shade increment represents just under three inches of rainfall increase compared with the adjacent color.

Calibrated NEXRAD Radar rainfall totals for the region ranged from as little as six inches in Uvalde County in the vicinity of the City of Sabinal, to just over 20 inches in eastern Medina County. Totals for the Authority's real-time network (Table 4) ranged from a low of just under six inches in western Medina County, to a high of approximately 18 inches in eastern Medina County.

(continued on page 16)

Table 2. Annual Precipitation for Selected Rain Gauges in the Edwards Aquifer Region, 1934–2008 (measured in inches).

Year	Brackettville	Uvalde	Sabinal	Hondo	San Antonio	Boerne	New Braunfels	San Marcos
1934	---	16.70	18.07	23.97	27.65	26.78	30.80	35.67
1935	---	41.17	48.21	58.73	42.93	52.93	41.67	41.09
1936	22.34	24.53	26.53	35.27	34.11	47.59	30.41	33.48
1937	16.85	17.88	9.57a	22.93	26.07	32.81	29.19	26.03a
1938	19.97	13.12	15.39	27.56	23.26	24.14	28.32	28.17
1939	18.38	25.30	13.98b	23.14	18.83	26.20	13.35	18.59
1940	22.43	27.66	27.51	28.13	30.79	32.29	38.11	43.57
1941	21.52	31.79	33.74a	44.07	26.34	41.60	42.99	48.41
1942	21.01	19.01	11.37a	34.83	38.46	31.12	42.08	44.65
1943	23.39b	20.63	17.21	31.43	20.51	26.33	29.93	25.45
1944	24.76	32.76	27.62a	32.46	33.19	42.98	43.14	47.42
1945	15.69	22.37	26.60	29.57	30.46	33.50	39.38	31.74b
1946	19.10	26.41	14.16a	29.65	45.17	45.62	61.60	52.24
1947	22.92b	22.67	---	18.98	17.32	21.89	27.52	27.53
1948	20.02a	18.31	---	28.82	23.64	23.77	19.88b	21.27a
1949	31.32	34.41	---	39.90	40.81	41.15	43.21	36.22
1950	17.70	18.27	15.28a	24.91	19.86	24.94	21.13	21.10
1951	14.71	16.07	15.63	24.05a	24.44	18.76	24.84	30.88
1952	12.26	18.24	23.16	25.56	26.24	37.54	33.87	39.91
1953	10.12	18.34	21.44	20.61	17.56	21.42	30.06	33.39
1954	19.38	15.60	14.72	11.92	13.70	10.29	10.12	13.42
1955	26.55	18.36	20.87	21.21	18.18	19.27	23.12	26.44
1956	7.58	9.29	11.29	15.54	14.31	12.05	18.41	18.37
1957	34.21	39.30	40.03	35.09	48.83	52.55	51.88	46.51
1958	45.37	39.03	41.18	41.60	39.69	40.94	36.40	39.08
1959	27.51	31.51	27.02	30.68	24.50	35.64	40.45	43.47
1960	19.12	23.98	26.24	32.37	29.76	32.55	34.28	45.48
1961	17.91	26.26	27.24	27.36	26.47	25.45	15.70a	30.02
1962	10.87	14.12	13.58	17.85	23.90	25.26	27.40	28.47
1963	15.07	16.70	18.99	18.90	18.65	20.66	23.41	19.90
1964	20.75	22.30	23.78	28.29	31.88	27.36	30.65	30.27
1965	21.48	26.21	29.41	30.80	36.65	42.41	45.16	45.00
1966	21.63	20.87	21.54	29.46	21.44	29.05	25.98	27.12
1967	21.95	20.10	23.89	30.33	29.26	26.75	31.74	26.41
1968	17.26	25.20	29.88b	31.91	30.40	35.14	35.97	37.13
1969	28.53	33.38	33.05	32.30	31.42	38.07	33.01	36.59
1970	16.50	13.59	22.13	30.96	22.74	27.79	35.23	32.30
1971	29.46	31.01	31.00	32.96	31.80	45.24	29.43	31.10
1972	21.21	15.49	21.10	25.43	31.49	35.09	42.02	31.90
1973	30.61	30.85	35.14b	47.82	52.28	50.93	51.66	47.91
1974	18.25	30.94	20.93b	36.41b	37.00	41.80	42.85	37.28a
1975	26.62	24.92	23.65	25.84a	25.67	33.49	35.82	48.64
1976	34.40	46.04	40.82	45.21	39.13	45.24	49.06	47.46
1977	15.06	19.90	17.06	19.40	29.64	32.43	24.83	29.69
1978	19.04	18.48	21.28	24.64	35.99	35.17	36.35b	33.08
1979	16.34	32.35	31.44	28.83	36.64	39.97	36.72	38.74
1980	18.33	23.05	22.67	21.27	24.23	39.02	33.69	29.56
1981	28.73	26.24	30.19	27.40	36.37	41.05	43.23	49.62
1982	19.10	23.35	18.44	21.99	22.96	27.64	21.04	22.47b
1983	19.35	24.45a	23.33	20.92b	26.11	34.60	34.13	36.95
1984	16.24	15.33b	20.67	21.19a	25.95	26.97	20.90	8.26b
1985	18.93	5.76a	23.67	21.94	41.43	37.77	37.26	33.54
1986	27.44	29.86b	29.62b	36.01b	42.73	43.52	47.14	42.20
1987	39.45	36.39	38.36	40.09	37.96	39.86	37.33a	37.94
1988	12.08	15.20	13.52	9.81b	19.01	19.49	16.27b	21.50
1989	16.98	18.65	17.26	16.10	22.14	25.14	20.99	25.46
1990	38.24b	24.73	30.06	27.01	38.31	42.51	24.58a	35.14b
1991	23.11	21.77	31.12	34.55	42.76	48.22	56.55	51.07
1992	22.22	27.85a	37.73	45.34	46.49	64.17	38.84b	40.33b
1993	15.18	9.32c	13.20	16.60	32.00	24.02	19.54b	24.01b
1994	22.85a	39.61	29.32	22.38b	40.42	40.98	35.76a	40.85

(Table 2. continued)

Year	Brackettville	Uvalde	Sabinal	Hondo	San Antonio	Boerne	New Braunfels	San Marcos
1995	25.87	19.47	27.55	24.55	23.20	30.29	23.29	32.57
1996	20.32b	16.20	14.20	15.50	17.80	24.57	19.00	28.20
1997	---	27.77	35.74	37.54	33.94	---	41.65	43.56
1998	24.15	27.40b	20.66b	30.44a	42.10	45.74	52.98	58.51
1999	19.88	19.08	2.55b	16.94	16.63	18.67	21.07	19.38
2000	18.11b	23.84	22.87	32.49	35.86	46.30a	36.34b	40.56
2001	18.40	26.02	25.87	30.59	36.72	53.91	37.91	42.41
2002	---	36.79	35.75	44.70	46.27	63.20	43.60	46.16
2003	25.19c	23.39	24.86	34.70	28.45	28.55	23.42	25.74
2004	40.23	27.76	37.99	44.76	45.32	60.50	50.55	52.68
2005	25.13	16.48	20.24	28.90	16.54	25.31	21.01	22.42
2006	14.62	7.85	11.06	12.15	21.34	24.24	28.51	26.36
2007	39.93	28.89	37.55	57.58	47.25	59.00	45.40	41.59
2008	12.59	11.23	14.66	16.18	13.76	14.74	16.70	15.79
Years of Record (shown)	71	75	72	75	75	75	75	75
Annual Mean	21.97	23.54	24.21	28.90	30.31	34.65	33.17	34.31

Data source: U.S. Department of Commerce (2009); NOAA (1934–2008).
a = Partial record not included in long-term mean; missing one month.
b = Partial record not included in long-term mean; missing more than one month.
c = Change in gauge location from previous years.
--- = No data available.
Mean values are calculated using only years with full records. Years with partial or missing records discarded from data set.
(NOAA records may exceed the period of record shown in Table 2 for some locations)

Table 3a. Monthly Precipitation Data from Selected National Oceanic and Atmospheric Administration Precipitation-Gauging Stations, 2008 (measured in inches).

Gauge	County	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
San Antonio Intl. Airport	Bexar	0.42	0.20	1.82	0.83	0.66	0.01	3.86	4.98	0.46	0.26	0.01	0.25	13.76
Vanderpool 10N	Bandera	0.00	0.28	0.99	1.81	1.91	0.79	2.80	2.21	1.02	0.85	0.00	0.00	12.66
Vanderpool 4N	Bandera	0.29	0.20	1.42	1.23	2.67	1.09	2.78	2.58	1.73	0.78	0.13	0.23	15.13
New Braunfels	Comal	0.38	0.16	2.52	1.48	0.48	0.00	4.58	5.63	0.59	0.48	0.02	0.38	16.70
San Marcos	Hays	0.98	0.38	3.56	2.15	i	0.37	2.67	2.86	0.38	1.88	0.08	0.48	15.79i
Kerrville 3 NNE	Kerr	0.44	0.19	2.40	1.88	1.69	0.50	1.82	2.84	0.43	2.17	0.09	0.23	14.68
Hondo	Medina	0.40	0.14	1.60	0.97	1.83	0.79	4.43	4.57	0.47	0.54	0.00	0.44	16.18
Brackettville 22N	Kinney	0.15	0.04	0.90	0.65	0.74	1.96	0.92	4.83	0.34	1.51	0.00	0.55	12.59
Prade Ranch	Real	0.19	0.00	0.93	0.55	1.33i	0.00	1.69	1.57	2.09i	1.20	0.00	0.25	9.25i
Sabinal	Uvalde	0.24	0.05	0.79	1.62	0.65	0.89	2.97	6.60	0.51	0.03	0.00	0.31	14.66
Uvalde	Uvalde	0.09	0.11	0.61	0.21	1.88	0.18	1.15	6.05	0.49	0.13	0.00	0.33	11.23
Boerne	Kendall	0.54	0.28	1.81	0.69	1.62	0.49	2.21	5.04	0.11	1.55	0.06	0.34	14.74

i = Insufficient or partial data, one to nine daily values missing.

Table 3b. Deviation from Mean Rainfall Values, 2008.

Gauge	County	Mean	Total	Deviation from Mean
San Antonio Intl. Airport	Bexar	30.31	13.76	-16.55
New Braunfels	Comal	33.17	16.70	-16.47
San Marcos	Hays	34.31	15.79	-18.52
Hondo	Medina	28.90	16.18	-12.72
Uvalde	Uvalde	23.54	11.23	-12.31

(Rainfall amounts shown in inches)

Table 4a. 2008 Monthly Precipitation Totals for the Real-Time Network Rain Gauges (Measured in Inches) (Rain-Gauge Locations Shown in Figure 4).

	BA01	BA03	BA05	BA06	BE04	BE05	BE08	BE09	BE10	SPFD	BL01	CO09	CO12	ED01	ED02	ED03	ED04	HA03
January	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.6
February	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.2
March	2.0	1.7	1.1	1.0	1.9	1.9	1.6	1.7	1.2	1.9	2.1	1.3	2.0	0.0	0.7	0.3	0.1	3.2
April	1.4	0.7	1.3	0.8	1.1	0.5	1.3	0.9	0.4	0.1	0.6	0.8	0.7	0.8	1.2	0.6	1.2	1.3
May	1.5	1.9	1.7	2.0	0.8	0.9	1.6	1.2	1.0	0.9	0.7	0.7	0.9	1.8	0.4	1.9	1.7	0.5
June	0.3	0.1	0.5	0.9	0.0	0.2	0.6	1.1	1.1	0.0	0.1	1.0	0.0	0.0	1.1	0.2	0.2	0.0
July	2.9	2.8	1.6	1.2	3.5	2.1	2.8	3.3	2.2	2.0	1.8	3.2	2.8	0.6	1.1	0.3	0.3	1.8
August	5.4	4.1	3.1	1.7	2.2	0.6	2.9	4.9	3.0	0.0	3.1	4.1	*	3.2	0.7	3.0	1.9	5.7
September	0.3	0.9	0.8	1.0	0.6	0.5	0.4	0.2	0.1	0.5	0.0	0.1	0.3	0.9	1.6	1.8	1.5	0.0
October	2.8	1.2	1.0	0.1	0.3	1.1	1.6	0.5	1.5	0.3	0.8	0.7	0.8	0.2	0.5	0.5	0.4	0.6
November	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
December	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.3	0.1	0.2
Mo. Totals	16.8	13.7	11.4	8.9	10.8	8.2	13.1	14.2	10.8	6.1	9.7	12.4	ND	7.7	7.6	7.3	7.6	14.1

	HA06	HA08	KE01	KE02	KE04	KI01	KI02	KI04	ME01	ME03	ME07	ME10	ME12	ME15	ME17	ME19
January	0.6	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1
February	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.1
March	2.5	1.1	1.9	1.7	1.7	0.4	0.4	0.7	1.1	1.5	1.2	1.9	1.1	1.2	1.3	0.8
April	1.3	0.6	0.7	0.5	0.6	0.7	0.1	0.4	1.0	1.1	1.0	1.2	0.9	1.0	1.3	1.5
May	0.7	0.6	1.2	1.4	1.8	3.6	2.0	2.8	1.6	1.1	2.1	2.1	1.7	1.8	1.2	1.5
June	0.0	0.0	1.0	0.1	0.3	0.6	0.2	0.0	0.7	0.4	1.0	0.3	1.0	0.1	1.4	0.1
July	2.1	2.6	2.6	2.4	1.6	0.6	0.9	0.9	5.8	2.6	4.1	2.6	2.2	3.1	4.0	0.8
August	4.2	4.0	3.6	3.9	2.3	3.8	6.2	6.5	4.1	2.0	5.5	4.3	4.9	5.4	3.9	0.4
September	0.2	0.0	0.7	0.3	0.4	1.0	0.3	0.3	0.5	0.7	1.1	0.3	0.9	0.4	0.6	0.3
October	0.3	0.8	0.6	0.9	1.1	0.2	0.3	0.2	0.2	1.3	2.1	0.5	0.2	1.0	0.3	0.2
November	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
December	0.2	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.0	0.2	0.1
Mo. Totals	12.1	10.0	12.8	11.7	10.1	11.1	10.5	12.2	15.5	11.2	18.1	13.3	13.1	14.4	14.3	5.8

	ME20	RE01	RE03	RE04	RE05	RE06	UV02	UV05	UV07	UV09	UV10	UV12	UV13	UV14	UV16	UV18	UV20
January	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
February	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1
March	0.6	1.1	1.8	1.0	0.8	0.9	0.3	0.9	2.0	0.9	0.3	1.3	0.7	1.5	0.3	0.8	0.8
April	0.6	1.4	0.4	1.5	1.2	0.7	0.8	0.7	1.0	0.4	0.6	0.7	0.2	0.4	0.1	0.4	1.6
May	2.1	2.3	2.3	1.6	1.1	1.2	2.2	2.1	1.6	1.7	1.5	2.0	1.2	2.2	2.0	2.1	2.1
June	0.2	0.4	0.5	0.2	0.4	0.4	0.1	0.2	0.3	0.0	0.4	0.3	0.0	0.6	0.0	0.0	0.0
July	1.9	1.2	1.3	1.2	1.4	0.7	1.4	0.5	1.2	1.4	1.3	1.1	1.2	0.9	1.3	0.6	1.0
August	3.6	3.1	5.1	2.2	1.6	4.3	2.6	4.6	3.4	4.6	3.3	3.9	4.0	4.3	2.4	5.8	3.7
September	2.3	1.0	0.8	1.4	1.0	1.5	0.8	1.1	0.9	0.7	1.0	0.8	0.4	0.8	0.4	0.1	0.8
October	0.7	0.9	0.5	0.8	0.7	1.0	0.1	0.2	1.4	0.1	0.0	0.7	0.0	0.2	0.1	0.2	0.1
November	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
December	0.1	0.4	0.2	0.3	0.0	0.5	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Mo. Totals	12.1	11.8	12.9	10.5	8.3	11.2	8.4	10.5	12.2	9.8	8.5	10.9	7.9	11.1	6.8	10.2	10.4

* = Incomplete data set.
ND = Annual total not provided; annual data set not complete.

Table 4b. 2008 Monthly Precipitation Totals for the Real-Time Network Rain Gauges, new gauges added to the network in 2008. Complete monthly data starting in July 2008 (Measured in Inches) (Rain-Gauge Locations Shown in Figure 4).

	ME003	ME006	ME007	ME015	ME094	ME098	UV012	UV017	UV031	UV033	UV036
January	*	*	*	*	*	*	*	*	*	*	*
February	*	*	*	*	*	*	*	*	*	*	*
March	*	*	*	*	*	*	*	*	*	*	*
April	*	*	*	*	*	*	*	*	*	*	*
May	*	*	*	*	*	*	*	*	*	*	*
June	*	*	*	*	*	*	*	*	*	*	*
July	2.2	2.0	2.9	4.2	4.7	3.1	1.6	1.9	2.2	1.5	0.7
August	1.9	0.3	9.2	4.6	4.4	5.0	4.0	5.1	3.1	0.1	3.6
September	0.6	0.0	0.3	0.0	0.4	1.3	0.7	0.2	0.6	0.7	0.3
October	0.2	0.8	0.3	0.1	1.1	1.0	0.1	0.1	0.1	0.2	0.2
November	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
December	0.2	0.2	0.2	0.0	0.2	0.2	0.1	0.4	0.0	0.1	0.1
Mo. Totals	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* = Incomplete data set.
ND = Annual total not provided; annual data set not complete.

Figure 4. Locations of Precipitation Gauging Stations Used by the Authority and Other Agencies to Monitor Precipitation in 2008

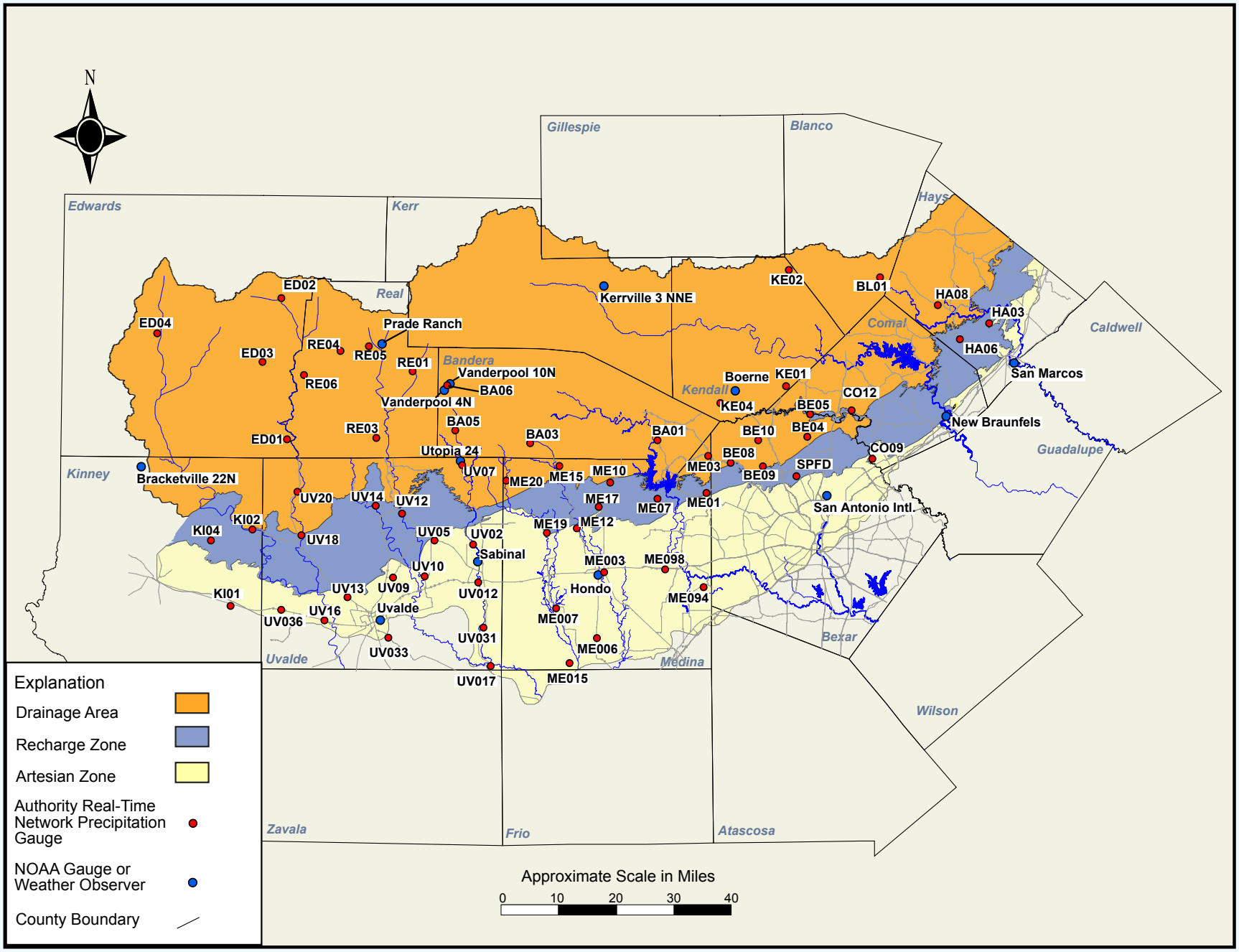
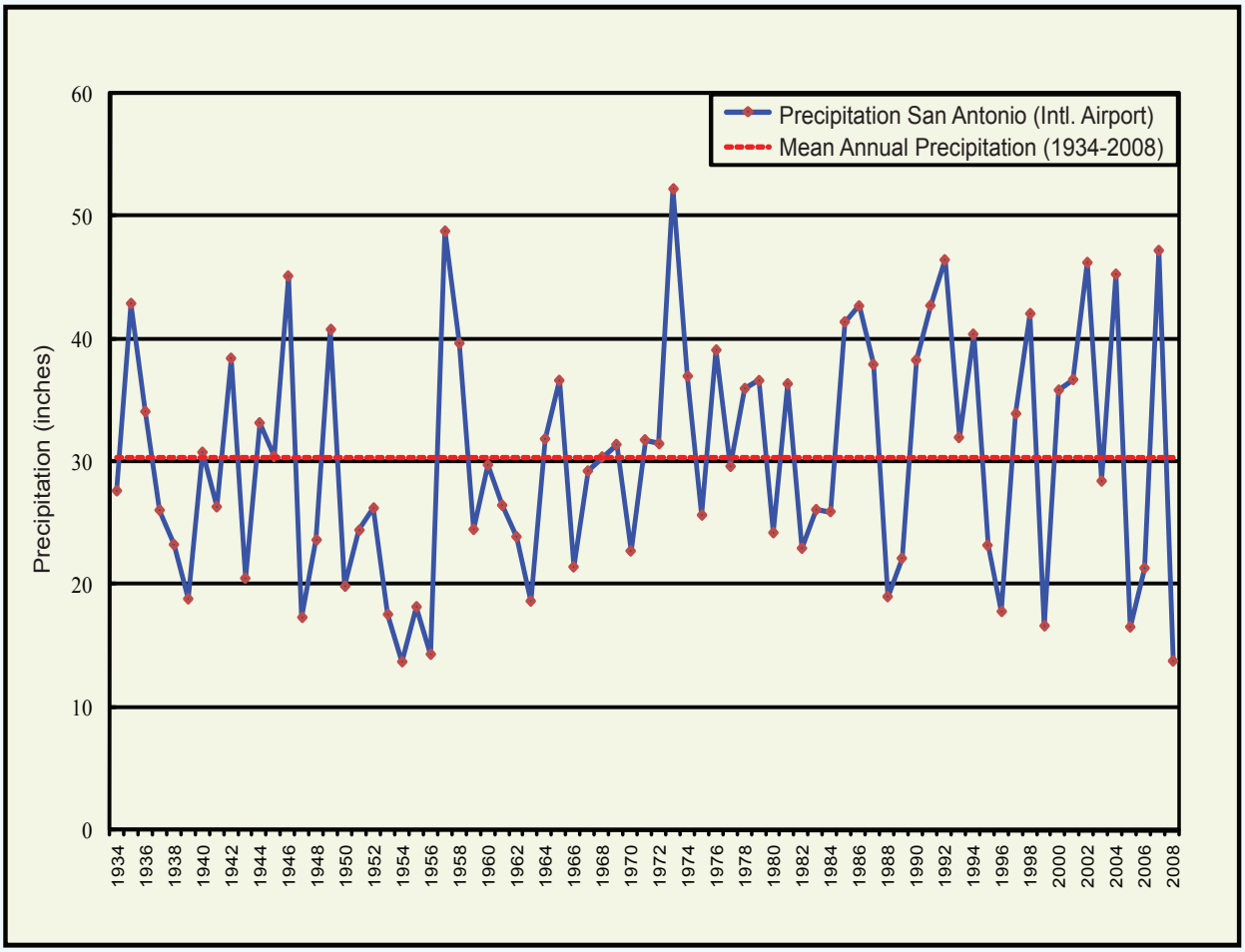


Figure 5. Annual Precipitation and Mean Precipitation for San Antonio, 1934–2008



(continued from page 11)

Precipitation Enhancement Program (PEP)

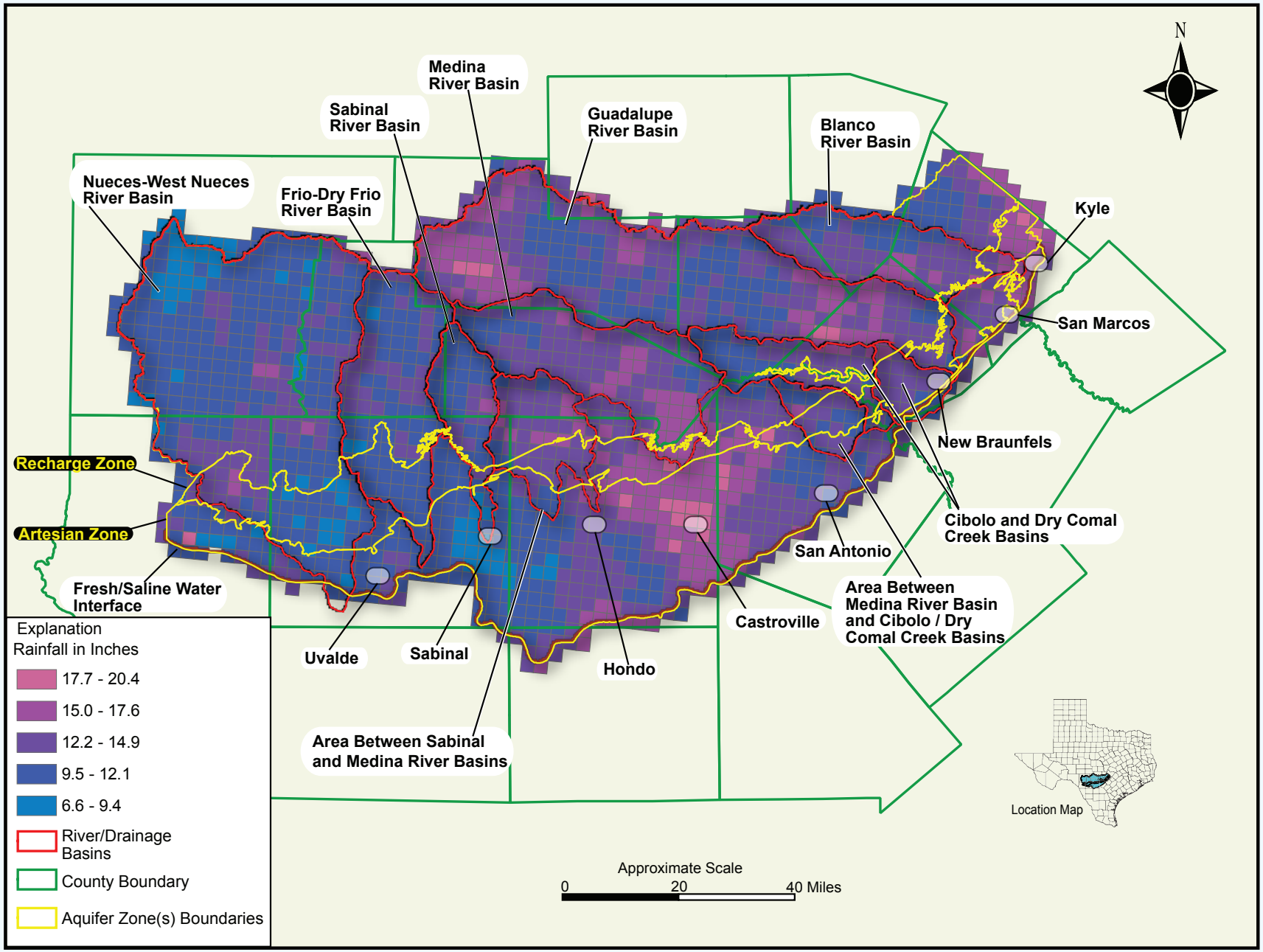
Recent research performed by weather scientists indicates that precipitation enhancement can increase rainfall by as much as 21 percent (Woodley Weather Consultants, 2002) from clouds that have been seeded, and therefore may significantly increase recharge to the aquifer. In addition to increasing direct recharge, the increased rainfall also decreases demand for lawn watering and crop irrigation.

In the fall of 1997, the Authority's board of directors voted to pursue a permit from the Texas Commission on Environmental Quality (TCEQ) to conduct a precipitation enhancement program (PEP). The goals of the PEP are:

- To enhance rainfall in a targeted area by using state-of-the-art cloud-seeding technology and procedures to seed suitable convective clouds;
- To increase the annual mean quantity of water that may be withdrawn from the aquifer;
- To reduce demands from the aquifer by increasing precipitation; and
- To reduce periods of low water levels and protect threatened springflows.

In October 1998, the Authority's PEP contractor, Weather Modification, Inc. (WMI), received a four-year permit (January 1999 through December 2002) from TCEQ. The Authority's original PEP project area consisted of 6.37 million acres across south Texas,

Figure 6. Ground-Calibrated NEXRAD Radar Rainfall Distribution for 2008



covering all or parts of 12 counties, including Real (east of U.S. Highway 83), Kerr, Kendall, Blanco, Bandera, Uvalde, Medina, Bexar, Comal, Hays, Guadalupe, and Caldwell. From 1999 through 2001, the Authority used WMI to conduct weather-modification services in this 12-county area.

In June 2001, the Authority, the Texas Water Development Board (TWDB), and TCEQ initiated a study to evaluate the effectiveness of the Authority's PEP for 1999 through 2001. Woodley Weather Consultants conducted the study and concluded in a report completed in June 2002 that the Authority's PEP had produced an additional 179,000 acre-feet of rainfall as a result of seeding (approximately 60,000 acre-feet per year). The report noted that typical radar-predicted rainfall in south central Texas is generally under-reported. The under-reporting is a function of equations used by the National Weather Service that do not take into account the tropical nature of much of the rainfall in the San Antonio area. This factor was revealed by correlation of radar-predicted rainfall to actual rainfall recorded by the Authority's real-time network. The report recommended more seeding through the use of additional aircraft or downsizing the target area to concentrate seeding.

For the period 2002 through 2005, the Authority contracted directly with South Texas Weather Modification Association (STWMA) and the Southwest Texas Rain Enhancement Association (SWTREA) to conduct PEP activities for Bandera, Bexar, Medina, and Uvalde counties. In 2006, the Authority developed inter-local agreements with the Evergreen Underground Water Conservation District (EUWCD) and the Wintergarden Groundwater Conservation District (WGCD) to engage STWMA and SWTREA to conduct PEP activities for the same four counties beginning in 2007.

In 2007, the Authority modified these agreements to include provisions for a randomized "seed/no seed" methodology to isolate randomness and facilitate statistical objectivity in evaluation of the overall effectiveness of the PEP. It was noted, however, that it could take several years of data accumulation to determine the effectiveness of the randomized "seed/no seed" methodology.

The PEP continued in 2008. However, 2008 was the third-driest year on record for San Antonio, and, as a result, the number of missions flown was the lowest since the Authority began the current PEP arrangement. Data for years 2003 through 2008 are summarized in Table 5.

Table 5. Precipitation Enhancement Program Summary for Calendar Years 2003–2008.

Year	Contractor	Target Area	Flights	Flares	Grams of Silver Iodide Dispersed	Estimated Result (in acre-feet)
2003	SWTREA	Uvalde	18	20	8,650	
	STWMA	Bandera, Bexar, Medina	39	228	12,760	
		Total	57	248	21,410	122,518
2004	SWTREA	Uvalde	15	113	5,360	
	STWMA	Bandera, Bexar, Medina	34	259	3,710	
		Total	57	52	279	350,716
2005	SWTREA	Uvalde	18	149	6,780	
	STWMA	Bandera, Bexar, Medina	29	261	11,480	
		Total	47	410	18,260	137,417
2006	SWTREA	Uvalde	20	192	7,680	
	STWMA	Bandera, Bexar, Medina	16	94	4,760	
		Total	36	286	12,440	74,139
2007	WGCD	Uvalde	7	76	3,040	
	EUWCD	Bandera, Bexar, Medina	11	124	4,960	
		Total	18	200	8,000	76,226
2008	WGCD	Uvalde	3	35	1,720	
	EUWCD	Bandera, Bexar, Medina	17	127	5,080	
		Total	20	162	6,800	55,371

Groundwater Recharge

Recharge to the Edwards Aquifer originates as precipitation on the drainage area and recharge zone. The area consists of nine drainage basins that extend across the recharge zone, as indicated in Figure 7. These basins are also listed below:

- Nueces/West Nueces River basin
- Frio/Dry Frio River basin
- Sabinal River Basin
- Area between Sabinal River and Medina River basins
- Medina River Basin
- Area between Medina River and Cibolo/Dry Comal Creek basins
- Cibolo Creek and Dry Comal Creek basins
- Guadalupe River Basin
- Blanco River Basin

Recent modeling studies using the Hydrologic Simulation Program Fortran (HSPF) indicate that land-based recharge across the nine basins varies from a low of two percent to a high of 76 percent, whereas 24 to 98 percent of recharge across the nine basins occurs in stream channels as channel loss (LBG Guyton Associates, 2005). As the HSPF model is further refined, these percentages may change with improved data sets. In addition, some recharge to the Edwards Aquifer also occurs as interformational flow from adjacent aquifers such as the Trinity Aquifer. Estimates of the contribution from adjacent hydraulically connected aquifers are highly variable and range from 5,000 to 60,000 acre-feet per year.

The historical method of estimating recharge to the Edwards Aquifer utilizes a water-balance method that relies on precipitation and streamflow measurements across the nine-basin area. The USGS has calculated groundwater recharge to the Edwards Aquifer since 1934. Table 6 lists estimated annual recharge by river basin from 1934 through 2008, on the basis of USGS calculations. The USGS estimates that annual recharge for the period of record (1934–2008) ranged from 43,700 acre-feet at the height of the drought of record in 1956, to 2,486,000 acre-feet in 1992. In 2008, estimated recharge was 212,900 acre-feet. The median annual recharge for 1934 through 2008 is 560,900 acre-feet, and the median annual recharge for the last ten years is 716,500 acre-feet. Figure 8 is a graph of annual total recharge compared with the ten-year floating median recharge estimate and historical median value for recharge to the San Antonio segment of the Balcones Fault Zone Edwards Aquifer from 1934 through 2008.

Table 6 does not include the Guadalupe River Basin because the historical method of estimating recharge is based on the interpretation that the basin does not recharge the aquifer. However, the Authority is currently revising the methodology utilized for estimating recharge to the aquifer using the HSPF model previously mentioned. Refinements to the HSPF model have been under way since it was initially completed in 2005. The model was recently "fitted" with a graphical user interface to facilitate use and evaluated for incorporation of the NEXRAD rainfall data sets as input for recharge estimation. The study indicated, however, that the 24-hour time step available for NEXRAD data was not conducive to accurate modeling. As such, the model is currently being considered for refinement to accommodate the Authority's real-time network of rain gauges as input data. The time step for the real-time network is 15 minutes, which should allow for improved recharge estimates. Previous hydrologic data reports include Edwards Aquifer recharge data derived from HSPF for the period 1950 through 2003. Additional HSPF model refinements are scheduled for completion over the next few years. As additional HSPF output data are generated and refined, the results will be incorporated into future versions of this report. Available results (1950–2003) for HSPF are shown in Table 7, which also compares median and mean values for HSPF methodology with USGS historical methodology for the same period.

(continued on page 24)

Figure 7. Major Drainage Basins and Edwards Aquifer Authority-Operated Recharge Structures in the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer

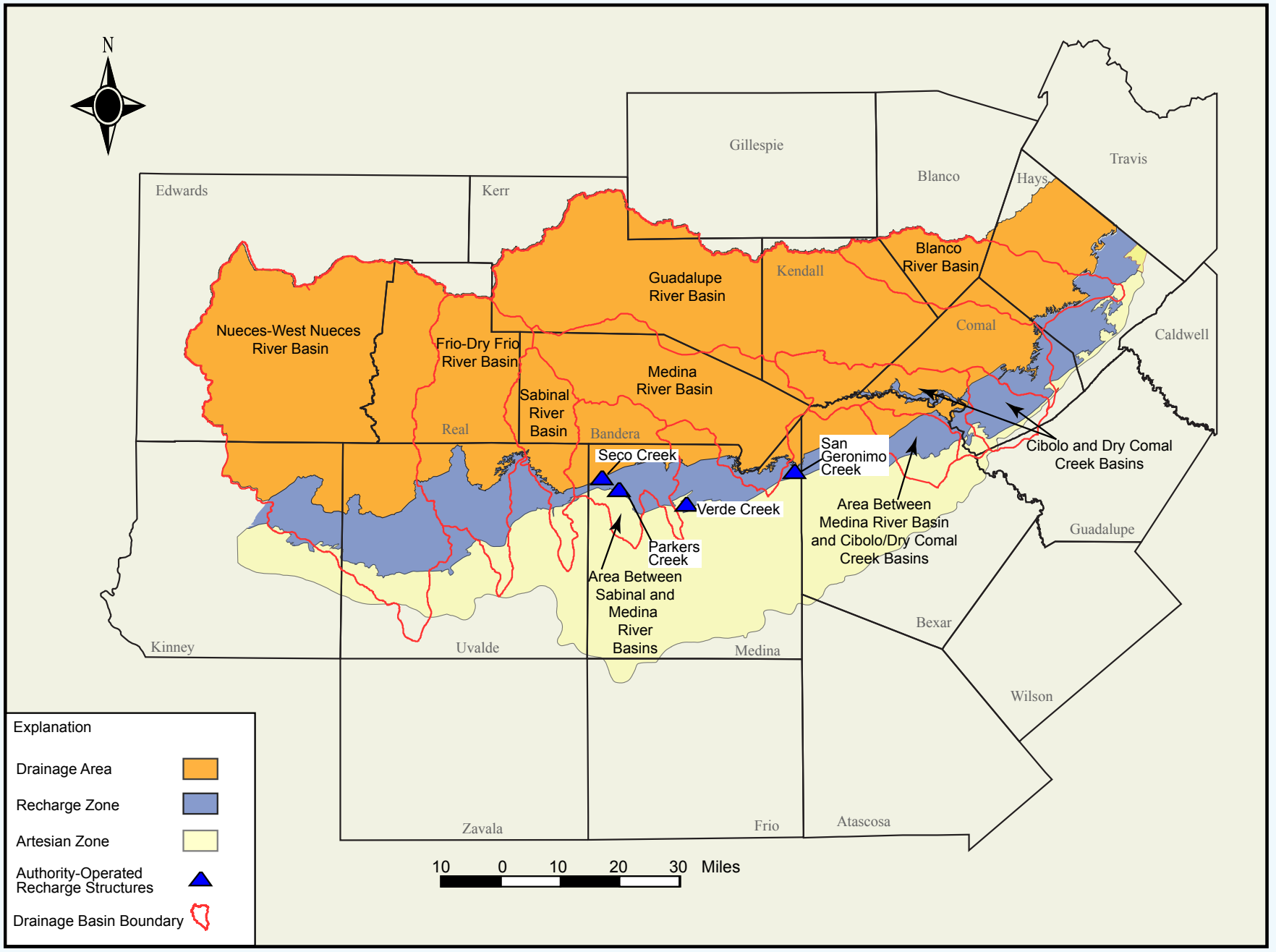


Table 6. Estimated Annual Groundwater Recharge to the Edwards Aquifer by Drainage Basin, 1934–2008 (measured in thousands of acre-feet).

Year	Nueces River/ West Nueces River basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basins	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Comal Creek basins	Cibolo Creek/ Dry Comal Creek basin	Blanco River Basin	Total
1934	8.6	27.9	7.5	19.9	46.5	21	28.4	19.8	179.6
1935	411.3	192.3	56.6	166.2	71.1	138.2	182.7	39.8	1,258.2
1936	176.5	157.4	43.5	142.9	91.6	108.9	146.1	42.7	909.6
1937	28.8	75.7	21.5	61.3	80.5	47.8	63.9	21.2	400.7
1938	63.5	69.3	20.9	54.1	65.5	46.2	76.8	36.4	432.7
1939	227.0	49.5	17.0	33.1	42.4	9.3	9.6	11.1	399.0
1940	50.4	60.3	23.8	56.6	38.8	29.3	30.8	18.8	308.8
1941	89.9	151.8	50.6	139.0	54.1	116.3	191.2	57.8	850.7
1942	103.5	95.1	34.0	84.4	51.7	66.9	93.6	28.6	557.8
1943	36.5	42.3	11.1	33.8	41.5	29.5	58.3	20.1	273.1
1944	64.1	76.0	24.8	74.3	50.5	72.5	152.5	46.2	560.9
1945	47.3	71.1	30.8	78.6	54.8	79.6	129.9	35.7	527.8
1946	80.9	54.2	16.5	52.0	51.4	105.1	155.3	40.7	556.1
1947	72.4	77.7	16.7	45.2	44.0	55.5	79.5	31.6	422.6
1948	41.1	25.6	26.0	20.2	14.8	17.5	19.9	13.2	178.3
1949	166.0	86.1	31.5	70.3	33.0	41.8	55.9	23.5	508.1
1950	41.5	35.5	13.3	27.0	23.6	17.3	24.6	17.4	200.2
1951	18.3	28.4	7.3	26.4	21.1	15.3	12.5	10.6	139.9
1952	27.9	15.7	3.2	30.2	25.4	50.1	102.3	20.7	275.5
1953	21.4	15.1	3.2	4.4	36.2	20.1	42.3	24.9	167.6
1954	61.3	31.6	7.1	11.9	25.3	4.2	10.0	10.7	162.1
1955	128.0	22.1	0.6	7.7	16.5	4.3	3.3	9.5	192.0
1956	15.6	4.2	1.6	3.6	6.3	2.0	2.2	8.2	43.7
1957	108.6	133.6	65.4	129.5	55.6	175.6	397.9	76.4	1,142.6
1958	266.7	300.0	223.8	294.9	95.5	190.9	268.7	70.7	1,711.2
1959	109.6	158.9	61.6	96.7	94.7	57.4	77.9	33.6	690.4
1960	88.7	128.1	64.9	127.0	104.0	89.7	160.0	62.4	824.8
1961	85.2	151.3	57.4	105.4	88.3	69.3	110.8	49.4	717.1
1962	47.4	46.6	4.3	23.5	57.3	16.7	24.7	18.9	239.4
1963	39.7	27.0	5.0	10.3	41.9	9.3	21.3	16.2	170.7
1964	126.1	57.1	16.3	61.3	43.3	35.8	51.1	22.2	413.2
1965	97.9	83.0	23.2	104.0	54.6	78.8	115.3	66.7	623.5
1966	169.2	134.0	37.7	78.2	50.5	44.5	66.5	34.6	615.2
1967	82.2	137.9	30.4	64.8	44.7	30.2	57.3	19.0	466.5
1968	130.8	176.0	66.4	198.7	59.9	83.1	120.5	49.3	884.7
1969	119.7	113.8	30.7	84.2	55.4	60.2	99.9	46.6	610.5
1970	112.6	141.9	35.4	81.6	68.0	68.8	113.8	39.5	661.6
1971	263.4	212.4	39.2	155.6	68.7	81.4	82.4	22.2	925.3
1972	108.4	144.6	49.0	154.6	87.9	74.3	104.2	33.4	756.4
1973	190.6	256.9	123.9	286.4	97.6	237.2	211.7	82.2	1,486.5

(Table 6. continued)

Year	Nueces River/ West Nueces River basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basins	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Comal Creek basins	Cibolo Creek/ Dry Comal Creek basin	Blanco River Basin	Total
1974	91.1	135.7	36.1	115.3	96.2	68.1	76.9	39.1	658.5
1975	71.8	143.6	47.9	195.9	93.4	138.8	195.7	85.9	973.0
1976	150.7	238.6	68.2	182.0	94.5	47.9	54.3	57.9	894.1
1977	102.9	193.0	62.7	159.5	77.7	97.9	191.6	66.7	952.0
1978	69.8	73.1	30.9	103.7	76.7	49.6	72.4	26.3	502.5
1979	128.4	201.4	68.6	203.1	89.4	85.4	266.3	75.2	1,117.8
1980	58.6	85.6	42.6	25.3	88.3	18.8	55.4	31.8	406.4
1981	205.0	365.2	105.6	252.1	91.3	165.0	196.8	67.3	1,448.4
1982	19.4	123.4	21.0	90.9	76.8	22.6	44.8	23.5	422.4
1983	79.2	85.9	20.1	42.9	74.4	31.9	62.5	23.2	420.1
1984	32.4	40.4	8.8	18.1	43.9	11.3	16.9	25.9	197.7
1985	105.9	186.9	50.7	148.5	64.7	136.7	259.2	50.7	1,003.3
1986	188.4	192.8	42.2	173.6	74.7	170.2	267.4	44.5	1,153.7
1987	308.5	473.3	110.7	405.5	90.4	229.3	270.9	114.9	2,003.6
1988	59.2	117.9	17.0	24.9	69.9	12.6	28.5	25.5	355.5
1989	52.6	52.6	8.4	13.5	46.9	4.6	12.3	23.6	214.4
1990	479.3	255.0	54.6	131.2	54.0	35.9	71.8	41.3	1,123.2
1991	325.2	421.0	103.1	315.2	52.8	84.5	109.7	96.9	1,508.4
1992	234.1	586.9	201.1	566.1	91.4	290.6	286.6	226.9	2,485.7
1993	32.6	78.5	29.6	60.8	78.5	38.9	90.9	37.8	447.6
1994	124.6	151.5	29.5	45.1	61.1	34.1	55.6	36.6	538.1
1995	107.1	147.6	34.7	62.4	61.7	36.2	51.1	30.6	531.3
1996	130.0	92.0	11.4	9.4	42.3	10.6	14.7	13.9	324.3
1997	176.9	209.1	57.0	208.4	63.3	193.4	144.2	82.3	1,134.6
1998	141.5	214.8	72.5	201.4	80.3	86.2	240.9	104.7	1,142.3
1999	101.4	136.8	30.8	57.2	77.1	21.2	27.9	21.0	473.5
2000	238.4	123.0	33.1	55.2	53.4	28.6	48.6	34.1	614.5
2001	297.5	126.7	66.2	124.1	90.0	101.5	173.7	89.7	1,069.4
2002	83.6	207.3	70.6	345.2	93.7	175.5	447.8	150.0	1,573.7
2003	149.8	112.2	31.7	67.4	86.6	56.2	105.0	59.9	669.0
2004	481.9	424.5	116.0	343.9	95.5	213.4	315.0	185.8	2,176.1
2005	105.5	147.2	50.1	79.1	82.8	84.8	140.4	74.1	764.0
2006	45.5	60.2	9.0	5.0	47.7	5.1	11.2	17.9	201.6
2007	471.8	474.4	104.0	406.4	75.2	227.6	306.1	96.9	2,162.3
2008	48.2	44.5	5.9	9.8	53.6	9.6	22.8	18.5	212.9
Recharge for the period of record 1934–2008:									
Median	102.9	123.4	31.7	78.6	61.7	55.5	79.5	35.7	560.9
Mean	128.4	141.2	43.4	114.0	63.3	73.7	113.2	47.1	724.3
Recharge for the period of record 1999–2008 (last ten years):									
Median	127.7	131.8	41.7	73.3	80.0	70.5	159.9	67.0	716.5
Mean	202.4	185.7	51.7	149.3	75.6	92.4	127.7	74.8	991.7

Data source: USGS Unpublished Report (April 2009).

(continued from page 19)

Recharge directly increases groundwater levels in the aquifer. Water levels rise during periods of higher-than-normal recharge and generally decline during periods of below-normal recharge. The 2008 estimated recharge volume of 212,900 acre-feet was well below the period of record (1934-2008) median recharge value of 560,900 acre-feet; the corresponding mean value is 724,300 acre-feet. Calendar year 2008 exhibited below-mean-rainfall amounts across the entire region, and, as a result, recharge amounts were below normal across the region as well.

The Authority operates four recharge structures located on the Edwards Aquifer Recharge Zone, as indicated in Figure 7. Total recharge for each site is calculated using data from stage recorders located near these structures. Table 8 shows the annual recharge (total recharge) for each site since construction. The combined recharge for these structures was five acre-feet in 2008.

Historical median and mean annual recharge attributed to the recharge structures is based on a period of record that reflects the date of construction through 2008. The approximate historical median annual recharge contributed by the combined structures is 1,028 acre-feet, whereas the approximate historical mean annual recharge contributed by the combined structures is 5,135 acre-feet. Calendar year 2008 combined recharge volume for all four structures was significantly below the median and mean value because of the below-normal rainfall during the year.

Figure 8. Estimated Annual Recharge and Ten-Year Floating Median Recharge for the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer 1934–2008

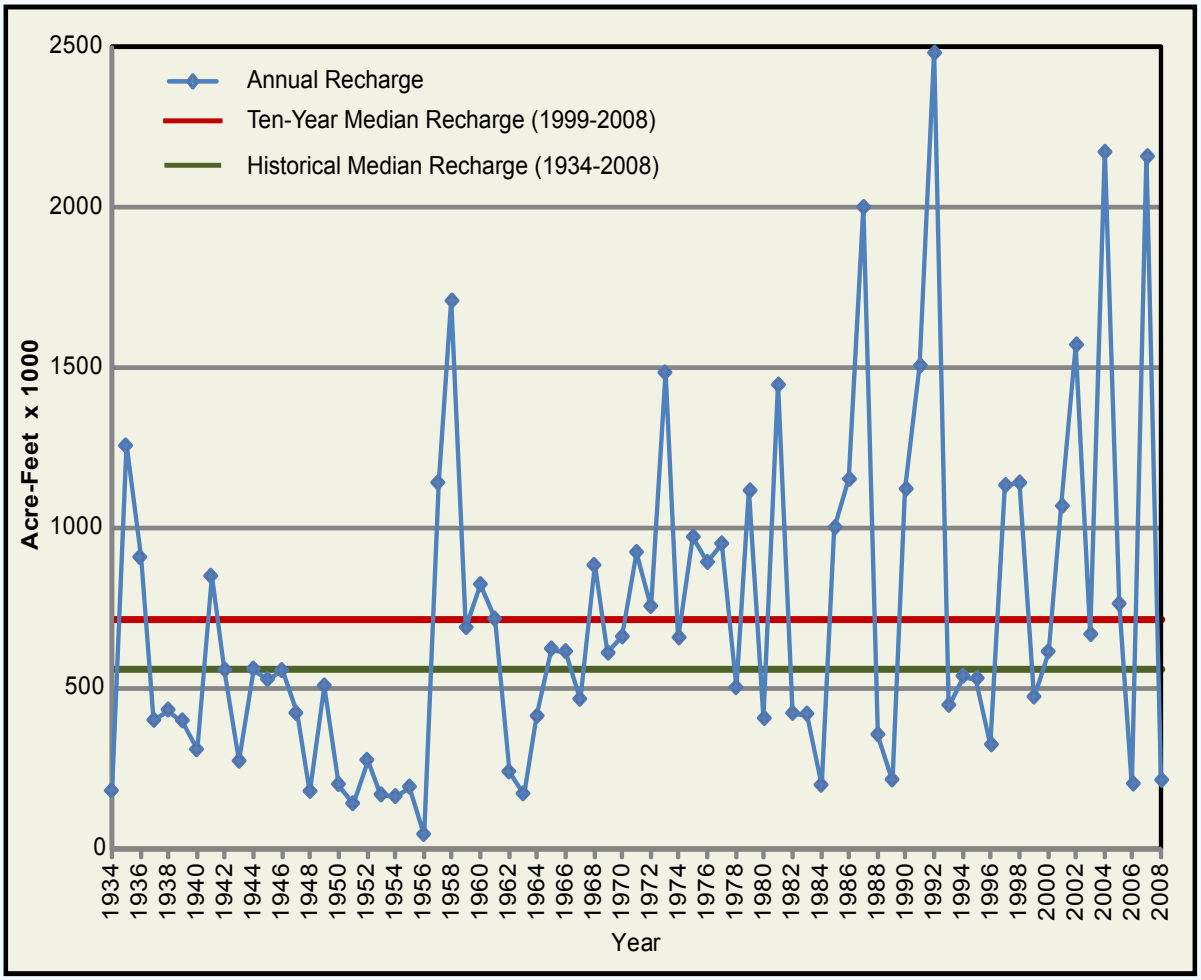


Table 7. Hydrologic Simulation Program Fortran, Estimated Annual Groundwater Recharge to the Edwards Aquifer by Drainage Basin, 1950–2003 (measured in thousands of acre-feet).

Year	Nueces River/ West Nueces River basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basin	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Comal Creek basins	Cibolo Creek/ Dry Comal Creek basin	Guadalupe River Basin	Blanco River Basin	Total
1950	57.8	45.0	29.7	17.7	33.1	26.2	21.2	13.5	27.1	271.4
1951	42.0	35.6	14.5	54.4	30.0	19.8	20.6	20.9	45.0	282.8
1952	51.2	40.8	17.9	17.0	41.7	80.4	70.5	29.5	85.7	434.9
1953	73.4	48.6	20.2	24.8	47.9	46.3	45.2	26.3	71.9	404.7
1954	48.6	30.4	8.8	5.0	43.7	10.0	8.7	10.0	20.5	185.8
1955	57.1	34.5	10.2	10.1	43.7	12.6	10.4	17.6	35.7	232.0
1956	23.5	7.9	3.3	4.6	38.5	7.9	8.2	8.9	14.3	117.1
1957	211.3	160.3	70.5	87.8	65.2	221.2	179.5	40.7	139.6	1176.0
1958	270.7	265.9	145.5	167.0	63.3	179.8	141.7	31.5	112.1	1377.4
1959	170.3	173.3	67.2	66.7	48.7	92.6	63.6	35.7	128.4	846.4
1960	126.6	141.0	67.4	75.5	55.8	118.4	122.1	31.4	132.1	870.5
1961	149.5	169.4	71.6	68.4	46.9	69.3	52.0	22.1	68.5	717.6
1962	51.5	46.9	7.7	11.1	31.8	52.1	58.6	21.9	59.6	341.1
1963	59.2	38.9	10.1	10.9	25.9	30.0	23.5	14.7	34.3	247.5
1964	94.4	79.5	26.1	30.9	29.7	63.2	67.1	22.1	51.4	464.3
1965	134.0	106.8	42.9	67.1	55.1	170.1	159.9	37.8	129.6	903.3
1966	106.4	115.9	46.7	62.0	49.4	83.2	71.0	21.0	70.7	626.4
1967	81.9	103.1	44.7	59.7	42.4	67.3	66.4	19.8	50.5	535.8
1968	145.4	175.0	99.3	118.5	58.6	139.8	125.7	28.9	102.9	994.1
1969	166.1	142.5	57.4	62.1	50.2	105.1	94.4	30.0	95.0	802.7
1970	86.1	122.7	48.4	73.5	48.8	78.2	50.7	25.4	81.3	615.1
1971	177.8	177.5	65.4	113.1	50.0	133.0	92.8	23.7	61.7	894.9
1972	72.3	118.4	52.8	58.2	50.0	139.0	125.1	24.8	71.1	711.8
1973	148.9	195.4	102.7	158.9	57.0	230.2	194.2	40.4	134.5	1262.3
1974	175.1	167.1	66.5	98.1	48.8	113.3	65.5	32.3	100.8	867.6
1975	134.7	145.3	59.3	99.1	53.3	120.5	81.4	39.5	149.7	882.8
1976	288.8	250.5	89.8	139.9	45.6	161.9	150.2	39.0	128.6	1294.2
1977	116.3	151.2	76.5	72.1	48.9	110.3	89.5	22.4	74.3	761.2
1978	64.5	73.1	39.1	28.2	52.7	82.8	67.1	21.9	59.1	488.5
1979	175.4	163.3	84.3	104.2	64.2	145.6	98.7	30.1	109.1	974.9
1980	91.0	88.3	35.8	21.9	44.0	65.5	62.8	23.7	58.9	491.7
1981	152.3	200.3	95.6	96.4	63.6	125.2	90.4	33.4	126.5	983.5
1982	100.6	106.2	28.8	25.0	38.0	61.0	59.0	18.9	47.2	484.7
1983	118.9	98.7	34.3	28.6	23.8	76.0	61.8	28.9	74.6	545.8
1984	66.5	58.2	21.5	23.4	15.5	37.7	27.9	18.3	45.3	314.3
1985	132.7	170.8	71.8	90.9	32.1	142.5	136.3	41.7	154.4	973.4
1986	169.0	157.5	74.4	100.5	43.2	131.4	85.6	33.7	114.3	909.6
1987	271.4	282.5	126.5	165.6	66.8	160.1	120.1	30.9	112.3	1336.1
1988	54.2	81.8	19.6	11.3	41.7	30.2	23.8	15.5	37.9	316.1
1989	68.1	58.8	15.0	7.6	36.7	32.7	29.3	18.0	40.3	306.5
1990	121.9	134.7	55.9	47.1	48.9	110.6	75.4	29.1	78.1	701.6
1991	89.6	112.4	63.9	71.1	60.3	146.0	131.5	38.5	137.2	850.4
1992	229.7	244.3	116.5	196.7	61.7	295.2	201.7	35.4	143.8	1525.0
1993	60.4	76.9	33.6	28.7	42.7	81.3	76.0	23.5	62.0	485.1
1994	172.9	162.1	38.9	23.7	41.4	94.2	78.4	29.8	83.9	725.4
1995	90.5	111.2	46.5	30.4	36.9	57.5	42.2	25.0	65.1	505.4
1996	71.1	78.3	13.3	6.5	31.0	28.4	25.2	21.0	50.3	325.1
1997	133.9	151.6	78.9	87.5	51.3	162.6	123.5	37.0	116.1	942.4
1998	155.0	152.3	82.1	123.4	51.1	195.4	157.9	38.0	173.5	1128.7
1999	85.3	95.0	33.8	26.6	41.1	34.5	21.1	16.0	43.9	397.3
2000	79.0	75.4	32.3	47.7	41.3	102.3	70.4	30.8	83.6	562.9
2001	106.1	117.6	79.0	57.9	221.2	205.7	229.3	37.7	119.2	1173.8
2002	115.0	126.9	72.7	84.4	196.6	190.9	123.7	18.2	57.7	986.2
2003	75.7	111.8	38.1	34.4	124.0	70.3	67.8	40.1	128.0	690.2
HSPF Recharge for the period 1950–2003										
Median	106.1	115.9	46.7	58.2	48.7	92.6	70.5	26.3	74.6	701.6
Mean	117.0	121.2	52.5	62.3	53.4	102.2	84.2	27.0	84.6	704.5
USGS Recharge for the period 1950–2003										
Median	107.8	134.9	35.8	93.8	68.4	53.2	80.2	N/A*	37.2	641.0
Mean	126.1	150.5	47.0	121.7	65.9	74.1	0.2	N/A*	49.1	749.6

HSPF Data source: LBG Guyton Associates (2005) and Clear Creek Solutions (2007)

* = Historical USGS methodology for recharge does not attribute any net recharge for the Guadalupe River Basin.

Table 8. Estimated Annual Edwards Aquifer Recharge from Edwards Aquifer Authority-Operated Recharge Structures (measured in acre-feet).

Year	Parker (April 1974)	Verde (April 1978)	San Geronimo (November 1979)	Seco (October 1982)	Annual Total
1974	160	---	---	---	160
1975	620	---	---	---	620
1976	2,018	---	---	---	2,018
1977	6	---	---	---	6
1978	98	150	---	---	248
1979	2,315	1,725	0	---	4,040
1980	0	371	903	---	1,274
1981	772	1,923	1,407	---	4,102
1982	3	112	91	0	206
1983	0	254	0	0	254
1984	251	246	0	143	640
1985	232	440	1,097	643	2,412
1986	217	889	963	1,580	3,649
1987	2,104	4,141	1,176	12,915	20,336
1988	0	0	0	0	0
1989	0	0	0	0	0
1990	49	176	41	479	745
1991	647	966	1,647	2,160	5,420
1992	723	2,775	2,874	14,631	21,003
1993	0	0	334	508	842
1994	159	0	0	5	164
1995	18	79	51	880	1,028
1996	0	0	0	0	0
1997	2,941a	2,154b	1,579b	7,515b	14,189b
1998	1,469a/b	1,160b	872b	3,796b	7,297b
1999	0b	0b	0b	50c	50b/c
2000	901b	1,371b	1,023b	4,606b	7,901b
2001	526b	657b/d	1,085b/d	2,154b/d	4,422b/d
2002	1,811	1,511	4,350	18,872	26,544
2003	665	184	0	465	1,314
2004	2,363	170	4,778	14,682	21,993
2005	795	0	0	58	853
2006	0	0	0	0	0
2007	5,998	2,091	7,268	10,645	26,002
2008	2.6	2.5	0	0	5
Total	27,864	23,548	31,539	96,787	179,737
Median	232	246	213	508	1,028
Mean	796	760	1,051	3,585	5,135

Data source: Unpublished USGS and Edwards Aquifer Authority files (2009).
a = Written communication from USGS, San Antonio Subdistrict Office.
b = Determined by linear regression analysis using rainfall data and historical recharge data.
c = Linear regression analysis indicates zero recharge; however, one recharge event was observed that was estimated to have recharged 50 acre-feet.
d = Part of 2001 recharge estimate provided by HDR Engineering, Inc. (unpublished report).
--- = Years prior to construction of the recharge structure.

GROUNDWATER DISCHARGE AND USAGE

Groundwater discharges from the Edwards Aquifer in the form of springflow or pumping from wells. Springflow is the primary basis of recreational economies in New Braunfels and San Marcos, and the springs also provide habitat for threatened and endangered animal and plant species. Figure 9 shows locations of the major springs in the Edwards Aquifer region. Wells provide water for many diverse uses in south central Texas, including irrigation, municipal water supplies, industrial applications, and domestic/livestock consumption. The amount of groundwater discharged as springflow has historically been greater than the amount discharged through wells.

Estimates of annual total groundwater discharge from springflow and pumping for the Edwards Aquifer are available from 1934 through 2008 (Table 9). Annual total groundwater discharge estimates range from a low of 388,800 acre-feet in 1955, to a high of 1,130,000 acre-feet in 1992. In 2008, the total groundwater discharged from the Edwards Aquifer from wells and springs was estimated at 845,700 acre-feet.

Springflow was calculated by measuring streamflow downstream of the springs and converting the streamflow measurements to spring discharge. Continuous recording equipment is located at Leona, Hueco, Comal, and San Marcos springs. Periodic measurements were performed at San Pedro and San Antonio springs. The Authority recently completed an investigation related to potential underflow through the Leona Gravels near Leona Springs (Green, 2004). According to results of the investigation, the potential for significantly higher spring discharge exists at Leona Springs than what has historically been attributed to this area.

Springflow from 1934 through 2008 has varied from a low of 69,800 acre-feet in 1956 to a high of 802,800 acre-feet in 1992 (Table 9). Table 10 lists the monthly estimated discharge in 2008 for the six primary Edwards Aquifer springs. Spring discharge from the Edwards Aquifer for 2008 was calculated at 417,080 acre-feet. This amount is just above the mean spring discharge volume of 385,600 acre-feet for the period 1934–2008. The slightly above-average springflow indicates the effect of residual drainage due to abundant rainfall during the first nine months of calendar year 2007.

Figure 10 is a graph comparing the relationship between Edwards Aquifer well discharge and (total) springflow. The figure shows the variability in well discharge and springflow over the period of record. Well discharge is generally highest in dry years, whereas springflow is highest in wet years. The lowest estimated annual well discharge was 101,900 acre-feet recorded in 1934. In 2008, total estimated well discharge was approximately 428,600 acre-feet, or about 108,700 acre-feet more than the revised 2007 estimate of 319,800 acre-feet of water pumped from the Edwards Aquifer. Total well production for 2008 was greater than that of 2007 by approximately 34 percent. Estimated well discharge for calendar year 2007 has been updated since publication of the *Edwards Aquifer Authority Hydrologic Data Report for 2007*. A database error underestimated total well discharge in 2007, and, therefore, the discharge estimate reported in 2007 has been corrected from 296,900 to 319,800 acre-feet (see Tables 9, 12, 13, and 14 for detailed corrections).

The median estimated well production for the period of record (1934–2008) is 321,100 acre-feet per year. The median estimated well production for the ten-year period 1999–2008 is 379,900 acre-feet. Estimated well discharge from Kinney County prior to calendar year 2008 has been included in discharge estimates and statistics for this report. Beginning with the *Edwards Aquifer Authority Hydrologic Data Report for 2008*, well discharges in Kinney County will no longer be included. Recent hydrologic budget research (Green and others, 2006) indicates that well discharges in Kinney County that could be related to the aquifer are small and not generally metered. It should be noted, however, that past years still contain estimated well discharges for Kinney County, which are 1,900 acre-feet total, 600 acre-feet of which are attributed to

(continued on page 30)

Figure 9. Major Springs in the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer

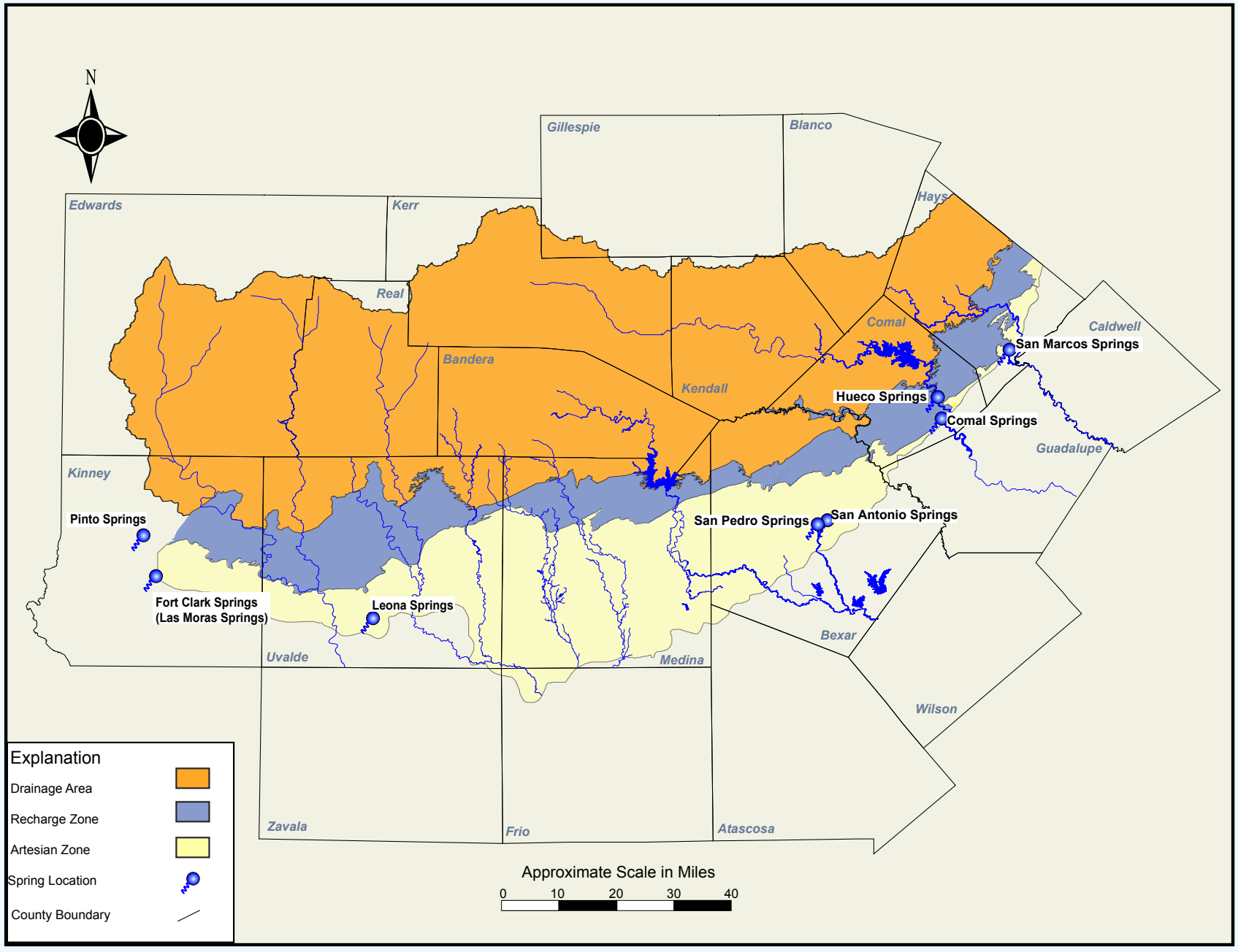


Table 9. Annual Estimated Groundwater Discharge Data by County for the Edwards Aquifer, 1934–2008 (measured in thousands of acre-feet).

Year	Uvalde[a]	Medina	Bexar[b]	Comal[c]	Hays	Total	Total Wells	Total Springs
1934	12.6	1.3	109.3	229.1	85.6	437.9	101.9	336.0
1935	12.2	1.5	171.8	237.2	96.9	519.6	103.7	415.9
1936	26.6	1.5	215.2	261.7	93.2	598.2	112.7	485.5
1937	28.3	1.5	201.8	252.5	87.1	571.2	120.2	451.0
1938	25.2	1.6	187.6	250.0	93.4	557.8	120.1	437.7
1939	18.2	1.6	122.5	219.4	71.1	432.8	118.9	313.9
1940	16.1	1.6	116.7	203.8	78.4	416.6	120.1	296.5
1941	17.9	1.6	197.4	250.0	134.3	601.2	136.8	464.4
1942	22.5	1.7	203.2	255.1	112.2	594.7	144.6	450.1
1943	19.2	1.7	172.0	249.2	97.2	539.3	149.1	390.2
1944	11.6	1.7	166.3	252.5	135.3	567.4	147.3	420.1
1945	12.4	1.7	199.8	263.1	137.8	614.8	153.3	461.5
1946	6.2	1.7	180.1	261.9	134.0	583.9	155.0	428.9
1947	13.8	2.0	193.3	256.8	127.6	593.5	167.0	426.5
1948	9.2	1.9	159.2	203.0	77.3	450.6	168.7	281.9
1949	13.2	2.0	165.3	209.5	89.8	479.8	179.4	300.4
1950	17.8	2.2	177.3	191.1	78.3	466.7	193.8	272.9
1951	16.9	2.2	186.9	150.5	69.1	425.6	209.7	215.9
1952	22.7	3.1	187.1	133.2	78.8	424.9	215.4	209.5
1953	27.5	4.0	193.7	141.7	101.4	468.3	229.8	238.5
1954	26.6	6.3	208.9	101.0	81.5	424.3	246.2	178.1
1955	28.3	11.1	215.2	70.1	64.1	388.8	261.0	127.8
1956	59.6	17.7	229.6	33.6	50.4	390.9	321.1	69.8
1957	29.0	11.9	189.4	113.2	113.0	456.5	237.3	219.2
1958	23.7	6.6	199.5	231.8	155.9	617.5	219.3	398.2
1959	43.0	8.3	217.5	231.7	118.5	619.0	234.5	384.5
1960	53.7	7.6	215.4	235.2	143.5	655.4	227.1	428.3
1961	56.5	6.4	230.3	249.5	140.8	683.5	228.2	455.3
1962	64.6	8.1	220.0	197.5	98.8	589.0	267.9	321.1
1963	51.4	9.7	217.3	155.7	81.9	516.0	276.4	239.6
1964	49.3	8.6	201.0	141.8	73.3	474.0	260.2	213.8
1965	46.8	10.0	201.1	194.7	126.3	578.9	256.1	322.8
1966	48.5	10.4	198.0	198.9	115.4	571.2	255.9	315.3
1967	81.1	15.2	239.7	139.1	82.3	557.4	341.3	216.1
1968	58.0	9.9	207.1	238.2	146.8	660.0	251.7	408.3
1969	88.5	13.6	216.3	218.2	122.1	658.7	307.5	351.2
1970	100.9	16.5	230.6	229.2	149.9	727.1	329.4	397.7
1971	117.0	32.4	262.8	168.2	99.1	679.5	406.8	272.7
1972	112.6	28.8	247.7	234.3	123.7	747.1	371.3	375.8
1973	96.5	14.9	273.0	289.3	164.3	838.0	310.4	527.6
1974	133.3	28.6	272.1	286.1	141.1	861.2	377.4	483.8
1975	112.0	22.6	259.0	296.0	178.6	868.2	327.8	540.4
1976	136.4	19.4	253.2	279.7	164.7	853.4	349.5	503.9
1977	156.5	19.9	317.5	295.0	172.0	960.9	380.6	580.3
1978	154.3	38.7	269.5	245.7	99.1	807.3	431.8	375.5
1979	130.1	32.9	294.5	300.0	157.0	914.5	391.5	523.0
1980	151.0	39.9	300.3	220.3	107.9	819.4	491.1	328.3
1981	104.2	26.1	280.7	241.8	141.6	794.4	387.1	407.3
1982	129.2	33.4	305.1	213.2	105.5	786.4	453.1	333.3
1983	107.7	29.7	277.6	186.6	118.5	720.1	418.5	301.6
1984	156.9	46.9	309.7	108.9	85.7	708.1	529.8	178.3
1985	156.9	59.2	295.5	200.0	144.9	856.5	522.5	334.0
1986	91.7	41.9	294.0	229.3	160.4	817.3	429.3	388.0
1987	94.9	15.9	326.6	286.2	198.4	922.0	364.1	557.9
1988	156.7	82.2	317.4	236.5	116.9	909.7	540.0	369.7
1989	156.9	70.5	305.6	147.9	85.6	766.5	542.4	224.1
1990	118.1	69.7	276.8	171.3	94.1	730.0	489.4	240.6
1991	76.6	25.6	315.5	221.9	151.0	790.6	436.0	354.6
1992	76.5	9.3	370.5	412.4	261.3	1130.0	327.2	802.8
1993	107.5	17.8	371.0	349.5	151.0	996.7	407.3	589.4
1994	95.5	41.1	297.7	269.8	110.6	814.8	424.6	390.2
1995	90.8	35.2	272.1	235.0	127.8	761.0	399.6	361.3
1996	117.6	66.3	286.8	150.2	84.7	705.6	493.6	212.0
1997	77.0	31.4	260.2	243.3	149.2	761.1	377.1	383.9
1998	113.1	51.3	312.4	271.8	168.8	917.6	453.5	464.1
1999	104.0	49.2	307.1	295.5	143.0	898.8	442.7	456.1
2000	89.1	45.1	283.6	226.1	108.4	752.3	414.8	337.5
2001	68.6	33.9	291.6	327.7	175.4	890.0	367.7	529.6
2002	76.2	40.6	311.9	350.4	202.1	981.2	371.3	609.9
2003	89.4	34.8	331.7	344.7	176.3	976.9	362.1	621.5

(Table 9. continued)

Year	Uvalde[a]	Medina	Bexar[b]	Comal[c]	Hays	Total	Total Wells	Total Springs
2004	91.3	22.5	331.9	341.4	153.1	940.3	317.4	622.9
2005	107.4	37.3	366.1	349.3	175.6	1035.7	388.5	647.1
2006	107.5	64.9	289.5	216.7	87.9	766.5	454.5	312.0
2007*	64.6	18.4	330.2	331.7	196.0	940.9	319.9	621.0
2008	102.0	48.8	320.4	266.6	108.0	845.7	428.6	417.1
For period of record 1934–2008:								
Median	76.5	15.9	247.7	235.0	118.5	705.6	321.1	384.5
Mean	73.2	21.9	247.1	230.5	123.1	695.7	310.3	385.6
For period of record 1999–2008 (last ten years):								
Median	90.4a	39.0	316.2	329.7	164.3	919.6	379.9	569.8
Mean	90.2	39.6	613.4	305.0	152.6	902.8	386.8	517.5

Data source: USGS and Edwards Aquifer Authority files (2009)
a = As of 2008, no longer includes Kinney County discharge; prior years include 1,900 acre-feet of discharge for Kinney County.
b = Includes reports of Edwards Aquifer irrigators in Atascosa County.
c = Includes reports of Edwards Aquifer industrial and municipal users in Guadalupe County.
* = Revised totals from the Edwards Aquifer Authority Hydrologic Data Report for 2007.
Differences in totals may occur as a result of rounding.

Table 10. Estimated Spring Discharge from the Edwards Aquifer, 2008 (measured in acre-feet).

Month	Leona Springs and Leona River Underflow	San Pedro Springs	San Antonio Springs	Comal Springs	Hueco Springs	San Marcos Springs	Total Monthly Discharge from Springs
January	4,246	977	7536	24,870	4,420	12,570	54,620
February	3,347	741	5507	22,540	3130	10,510	45,780
March	3,749	737	5096	22,940	2,160	10,610	45,290
April	2,904	750	4,102	21,440	1,460	9,470	40,130
May	2,477	588	2,108	20,860	1,330	8,440	35,800
June	1,640	116	34	16,870	932	7,840	27,430
July	2,163	219	600	17,030	849	8,080	28,940
August	2,083	301	656	18,200	962	7,640	29,840
September	2,016	363	787	17,840	793	6,950	28,750
October	2,053	213	71	17,770	662	6,670	27,440
November	2,090	202	9	17,010	530	6,190	26,030
December	2,169	259	321	17,760	408	6,120	27,040
Total	30,937	5,466	26,826	235,130	17,636	101,090	417,080

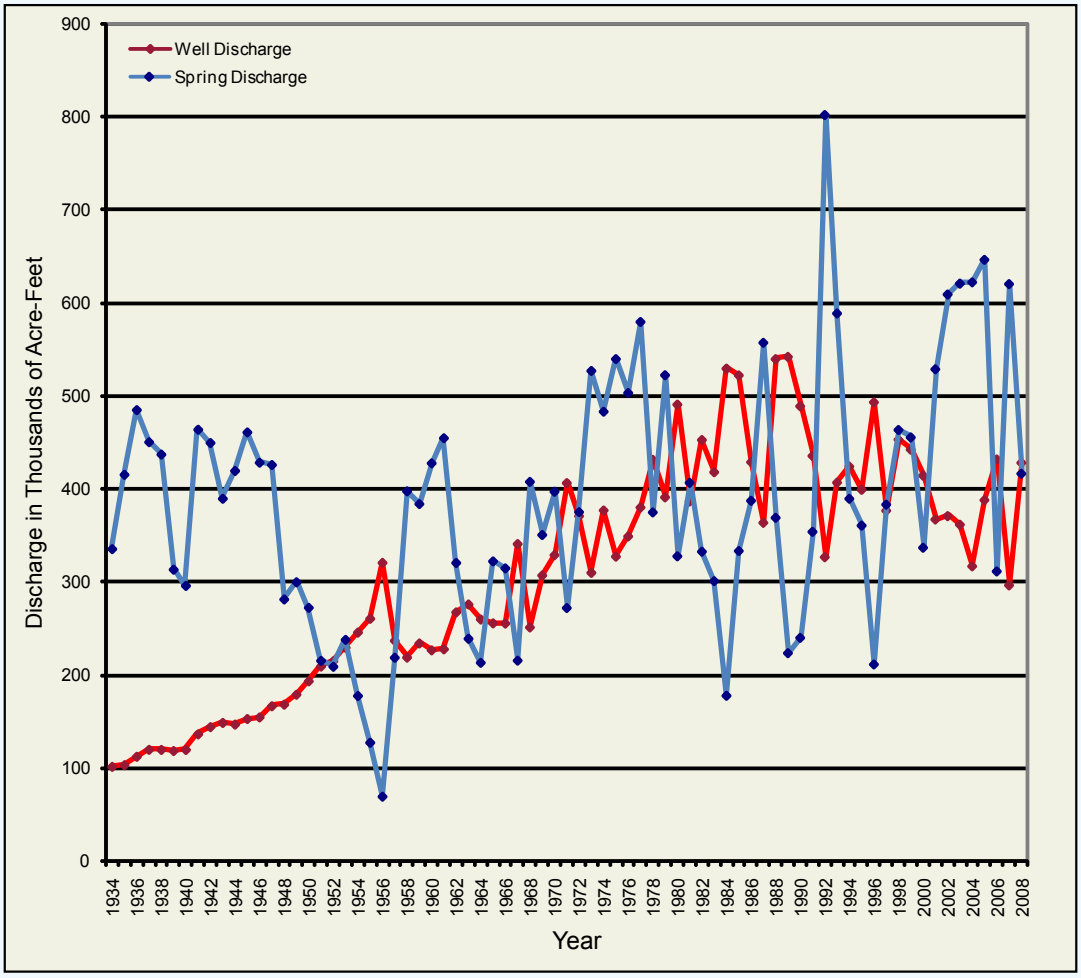
Data source: USGS unpublished report (2009).
Differences in totals may occur as a result of rounding.

Table 11. Comprehensive Discharge Summary for Calendar Year 2008 (in acre-feet).

	Reported Use (permitted wells)			Unreported Use				
County	Irrigation	Municipal	Industrial	Domestic or Livestock*	Non-Reporting Facilities*	Total Well Discharge	Spring Discharge	Total Wells and Springs
Atascosa	1,165	0	0	0	0	1,165	0	1,165
Bexar	7,265	244,622	19,231	8,875	6,714	286,707	32,292	318,999
Comal	27	6,463	6,563	369	0	13,456	252,766	266,222
Guadalupe	3	132	236	0	0	371	0	371
Hays	314	4,380	1,332	843	193	7,062	101,090	108,152
Medina	40,185	6,290	1,327	1,033	0	48,835	0	48,835
Uvalde	63,715	4,768	126	2,422	0	71,031	30,937	101,968
Totals	122,708	266,655	28,815	13,542	6,907	428,627	417,085	845,712

* Federal facilities, domestic and livestock wells do not report annual use (non-reporting); quantities estimated.
Kinney County is not included in the 2008 estimates of discharge.

Figure 10. Groundwater Pumping Compared with Springflow from the Edwards Aquifer, 1934–2008 (measured in thousands of acre-feet)



(continued from page 26)

irrigation, 1,000 acre-feet to municipal use, and 300 acre-feet to domestic and livestock use.

For the purposes of this report, well discharge is either non-reported discharge, such as domestic or livestock use, or reported discharge. Reported discharge refers to water pumped from the aquifer by a user holding a groundwater withdrawal permit. These users, who are typically larger quantity users, meter their withdrawals and report the totals to the Authority. As such, reported withdrawals accounted for approximately 408,200 acre-feet of water pumped from the Edwards Aquifer in 2008. Unreported pumping in this report consists of estimated amounts for groundwater withdrawals within the Authority's jurisdictional boundary for domestic and livestock use and federal facilities. Unreported pumping amounts to a total of approximately 20,400 acre-feet for calendar year 2008. Combined, reported withdrawals and unreported withdrawals equate to a total well discharge for the year of approximately 428,600 acre-feet. Table 11 provides a comprehensive summary of well and spring discharge information from the Edwards Aquifer for calendar year 2008.

Reported withdrawal estimates are based on metered wells throughout the region and are the most accurate estimates for well discharge. Non-reported discharge estimates are generally less accurate than reported discharge because domestic and livestock numbers are not based on metered amounts. Prior to 1999, well discharge estimates were provided to the Authority by the USGS as estimates based on various methodologies that represented the best available technology at the time. However, in 1999 the Authority adopted rules requiring all irrigation,

industrial, and municipal wells to be metered, subsequently improving estimates of well discharge from that period forward.

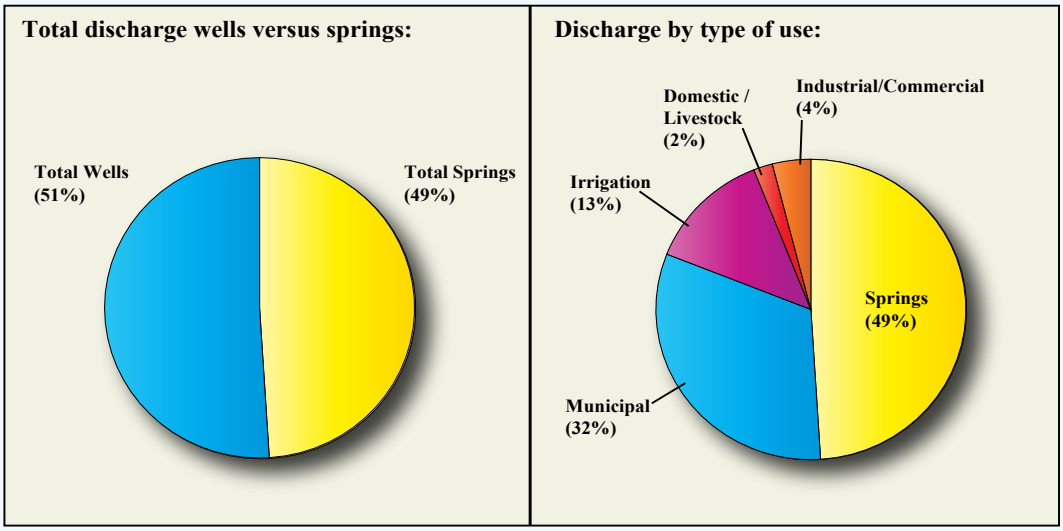
Discharge for wells and springs over the last ten years has fluctuated, with variations in timing, duration, and magnitude of rainfall for any given year. Generally,

Table 12. Annual Estimated Edwards Aquifer Groundwater Discharge by Use, 1955–2008 (measured in thousands of acre-feet).

Year	Irrigation	Municipal	Domestic/ Stock	Industrial/ Commercial	Springs
1955	85.2	120.5	30.1	25.1	127.8
1956	127.2	138.3	28.9	22.4	69.8
1957	68.8	116.1	29.8	22.6	219.2
1958	47.2	113.7	33.4	25.1	398.2
1959	60.0	118.9	31.5	24.2	384.5
1960	54.9	121.1	29.1	23.3	428.3
1961	52.1	124.5	29.6	22.2	455.3
1962	72.7	143.7	28.8	22.8	321.1
1963	75.4	151.8	27.8	21.8	239.6
1964	72.6	140.2	26.3	21.7	213.8
1965	68.0	138.8	27.0	22.3	322.8
1966	68.2	141.8	23.3	22.6	315.3
1967	119.4	171.0	25.1	25.8	216.1
1968	59.3	146.9	25.5	20.0	408.3
1969	95.2	162.0	29.2	21.1	351.2
1970	110.1	167.5	29.3	22.5	397.7
1971	159.4	196.2	28.6	22.6	272.7
1972	128.8	190.5	30.8	21.1	375.8
1973	82.2	177.1	32.3	18.8	527.6
1974	140.4	174.6	33.5	15.1	483.3
1975	96.4	182.5	33.6	15.3	540.4
1976	118.2	182.1	34.6	14.7	503.9
1977	124.2	205.3	38.1	13.0	580.3
1978	165.8	214.2	40.3	11.5	375.5
1979	126.8	208.9	40.7	15.2	523.0
1980	177.9	256.2	43.3	13.7	328.3
1981	101.8	231.8	40.9	12.6	407.3
1982	130.0	268.6	39.5	15.0	333.3
1983	115.9	249.2	38.8	14.7	301.5
1984	191.2	287.2	36.2	15.2	178.3
1985	203.1	263.7	39.2	16.5	334.0
1986	104.2	266.3	42.0	16.8	388.0
1987	40.9	260.9	43.5	18.7	557.9
1988	193.1	286.2	41.9	18.8	369.7
1989	196.2	285.2	38.2	22.9	224.1
1990	172.9	254.9	37.9	23.7	240.6
1991	88.5	240.5	39.5	67.5	354.6
1992	27.1	236.5	34.8	29.0	802.8
1993	69.3	252.0	49.9	36.1	589.4
1994	104.5	247.0	33.9	39.3	390.2
1995	95.6	255.0	11.6	37.3	361.3
1996	181.3	261.3	12.3	38.8	212.0
1997	77.4	253.0	12.3	34.4	383.9
1998	131.9	266.5	13.4	41.7	464.1
1999	113.6	273.3	13.4	42.4	456.1
2000	106.3	261.3	13.4	33.8	337.5
2001	79.0	245.9	13.4	29.4	529.4
2002	97.1	228.4	13.6	32.3	609.9
2003	79.6	237.2	13.7	31.7	621.5
2004	55.4	220.3	13.8	28.1	622.9
2005	85.3	255.1	13.8	34.3	647.1
2006	149.1	259.1	13.8	34.5	312.0
2007*	42.5	236.0	13.8	27.6	620.6
2008	112.7	273.6	13.5**	28.8	417.1
For period of record 1955–2008:					
Median	99.5	230.1	29.7	22.6	384.2
Mean	105.6	210.3	28.7	25.0	397.2
For period of record 1999–2008 (last ten years):					
Median	91.2	250.5	13.7	32.0	569.7
Mean	92.1	248.8	13.6	32.3	517.4

Data source: USGS unpublished report and Edwards Aquifer Authority files (2009).
* = Revised totals from the *Edwards Aquifer Authority Hydrologic Data Report for 2007*.
** = Revision based on number of new wells permitted annually and discontinuation of Kinney County estimates in total.
Differences in totals may occur as a result of rounding

Figure 11. Distribution of Total Discharge from the Edwards Aquifer by Springs and Wells for Calendar Year 2008



dry years exhibit the highest well-discharge volumes, whereas wet years show the greatest spring-discharge volumes. Since 1998, well discharge has varied from a low of 317,400 acre-feet (in 2004) to a high of 454,500 acre-feet (in 2006). During the same period, spring discharge has varied from a low of 312,000 acre-feet (in 2006) to a high of 647,100 acre-feet (in 2005). The ten-year high for well discharge recorded in 2006 may be correlated with below-average rainfall that occurred for consecutive years (2005 and 2006). As a result, 2006 was characterized by low springflow volumes and high well-discharge volumes. Calendar year 2008 has the third-highest well discharge and third-lowest springflow for the immediate ten-year period (1999–2008). Should drought conditions prevail in calendar year 2009, well discharge can be expected to be high, and spring discharge very low because multiyear weather conditions have a greater impact on the aquifer than single-year conditions.

Table 12 shows total discharge data by use for the period 1955–2008 for the counties in the region. The discharge estimates were compiled from pumpage data reported to the Authority by irrigation, industrial, and municipal users, as well as estimates for domestic and livestock use and non-reporting federal facilities. Discharge is summarized graphically in Figure 11, showing discharge by type of use and total discharge for wells versus springs. Springflow at Comal and San Marcos springs is summarized graphically in Figure 12. In this figure, the annual mean flow value at each spring complex is plotted against historical mean flow for each of the two spring complexes. Tables 13 and 14 show reported withdrawals (actual metered discharge from wells) within the jurisdictional

Table 13. Groundwater Withdrawals Attributed to Permit Holders (Reported Withdrawals) within the Edwards Aquifer Authority Jurisdictional Area, 1999–2008 (in acre feet).

Year	Total	Municipal	Industrial/ Commercial	Irrigation
1999	429,190	277,101	42,933	109,156
2000	398,734	260,291	33,473	104,970
2001	359,176	250,781	30,307	78,088
2002	356,135	227,362	32,328	96,445
2003	340,158	229,455	31,688	79,015
2004	295,495	212,630	28,072	54,793
2005	366,404	247,344	34,327	84,733
2006	434,342	251,390	34,472	148,480
2007*	297,559	228,121	27,575	41,864
2008	408,178	266,655	28,815	112,708

Data source: Edwards Aquifer Authority files (2009)

*= Revised totals from the *Edwards Aquifer Authority Hydrologic Data Report for 2007*.

area of the Authority. Table 13 summarizes actual reported groundwater withdrawal totals by year and type of use. Table 14 summarizes actual reported groundwater withdrawals by county and type of use. Again, note the updated estimates for calendar year 2007 in Tables 9, 12, 13, and 14.

The distribution of groundwater discharge is further summarized for calendar year 2008 in Figure 11. This figure provides a pie-chart representation of groundwater total discharge and type of use. Typically springflow (discharge) exceeds discharge from wells in wet years; however, in dry years, well discharge is typically greater than springflow. In 2008, well discharge is only slightly higher than springflow. Although 2008 was a dry year, springflow for 2008 reflects the residual draining of the aquifer from above-normal rainfall amounts that occurred in the first nine months of 2007.

In Figure 12, the mean annual flow estimate for Comal and San Marcos springs is plotted against the mean flow estimate for the period of record for each spring complex. Each of the light-blue diamonds represents the value of annual mean flow for its representative year on the graph.

In 2008, the Authority and USGS estimated discharge from the Edwards Aquifer. Prior to 1997, the USGS estimated discharge for irrigation users and obtained metered discharge data from cooperative municipal and industrial users. To estimate irrigation discharge, county soil and water conservation districts provided the USGS with estimates of irrigation "duties" for selected crop types. The USGS then multiplied these duties by amounts of irrigated acreage by crop type, as provided by the U.S. Department of Agriculture (USDA), thereby determining an estimate of irrigation uses from the Edwards Aquifer.

In 1997, the Authority initiated the Edwards Aquifer Well Metering Program, which requires meters for all municipal, industrial, and irrigation wells in the Edwards Aquifer. Since 1998, the Authority has utilized well pumpage data from the Well Metering Program to estimate well discharge. Availability of direct pumpage data has significantly improved the discharge estimating process.

In 2001, the Authority implemented a well construction permitting system requiring all new wells drilled in the Edwards Aquifer to have a well construction permit. Well construction permitting data were used to develop updated estimates for the domestic/livestock use category in Tables 11 and 12. On the basis of the addition of 64 wells in the category of domestic/livestock in 2008, the domestic/livestock use was increased by approximately 40 acre-feet for 2008, as compared with that of 2007. The estimated mean per-well domestic/livestock usage of 564 gallons per well per day is based on the methodology outlined in William F. Guyton Associates (1992). New domestic/livestock wells, by county, installed in calendar year 2008 are summarized as follows:

- Uvalde 18,
- Medina 26,
- Bexar 8,
- Comal 9, and
- Hays 3.

Figure 12. Annual Versus Period of Record Mean Springflow, San Marcos and Comal Springs

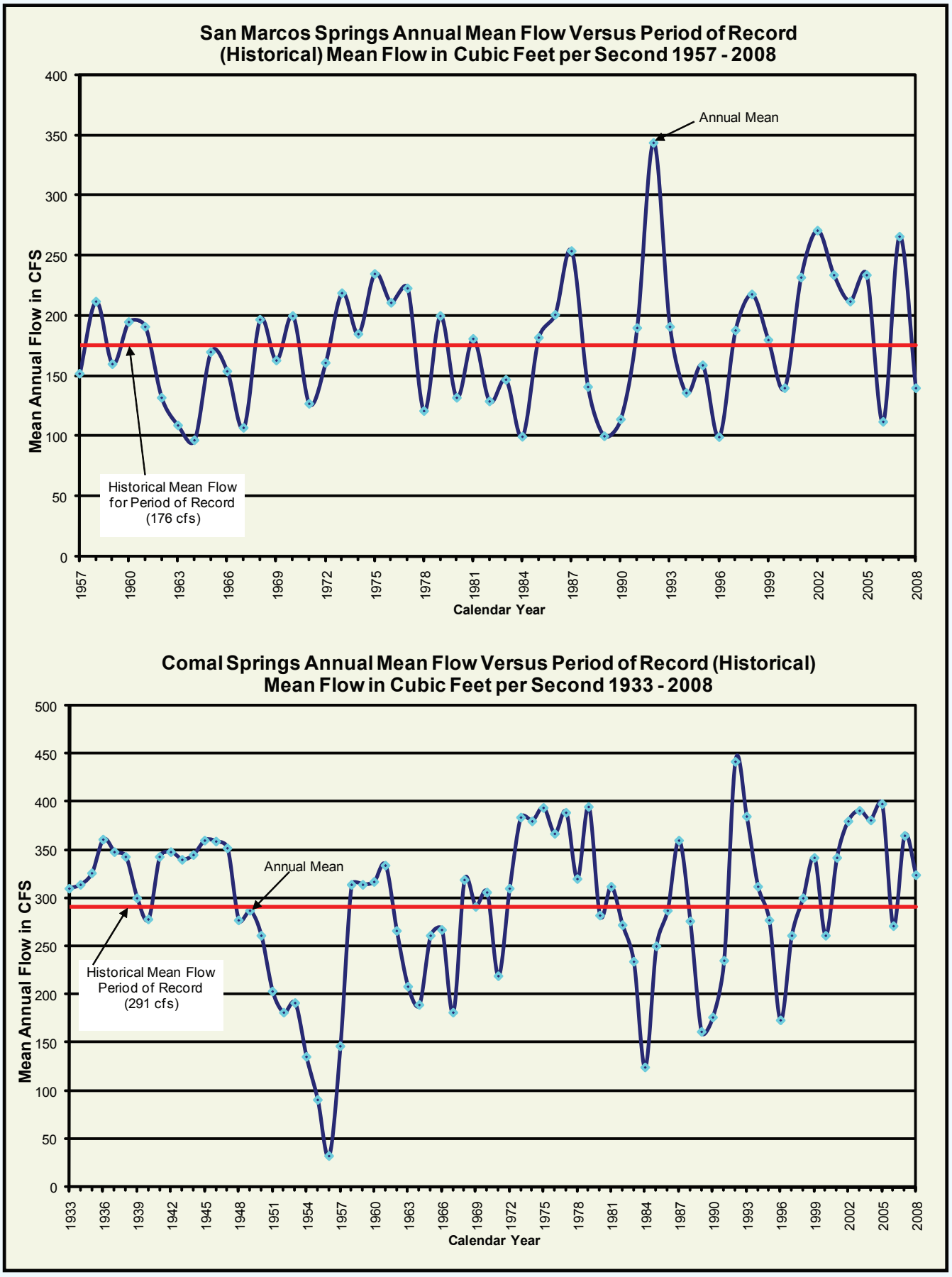


Table 14. Reported Groundwater Withdrawals (Attributed to Permitted Wells) within the Edwards Aquifer Authority Jurisdictional Area by County, 1999–2008 (reported in acre feet).

County	Year	Total	Municipal	Industrial/ Commercial	Irrigation
Uvalde	1999	68,009	7,106	2,046	58,857
	2000	66,683	7,137	1,636	57,910
	2001	48,871	4,790	921	43,160
	2002	59,840	4,361	624	54,855
	2003	49,276	4,023	488	44,765
	2004	38,416	3,834	218	34,364
	2005	51,616	4,248	940	46,428
	2006	84,633	5,250	307	79,076
	2007*	30,016	3,728	198	26,090
	2008	68,609	4,768	126	63,715
Medina	1999	48,085	7,727	1,354	39,004
	2000	44,162	6,564	839	36,759
	2001	33,608	6,433	768	26,407
	2002	39,659	5,497	1,050	33,112
	2003	33,866	5,922	727	27,217
	2004	21,617	5,738	731	15,148
	2005	36,318	5,957	1,295	29,066
	2006	63,882	7,089	1,421	55,372
	2007*	17,380	5,651	550	11,180
	2008	47,802	6,290	1,327	40,185
Bexar	1999	276,322	241,437	25,464	9,421
	2000	264,735	233,983	21,849	8,903
	2001	254,791	227,370	20,192	7,229
	2002	233,614	205,897	20,084	7,633
	2003	235,821	209,972	19,692	6,157
	2004	218,919	195,462	18,608	4,849
	2005	258,904	227,544	23,418	7,942
	2006	265,128	228,757	24,654	11,716
	2007*	234,315	211,083	19,330	3,902
	2008	271,118	244,622	19,231	7,265
Comal	1999	22,882	10,511	12,242	129
	2000	15,384	7,733	7,514	137
	2001	13,889	7,289	6,556	44
	2002	16,681	8,093	8,533	55
	2003	13,815	4,174	9,549	92
	2004	11,120	3,658	7,421	41
	2005	12,860	5,275	7,528	57
	2006	12,340	5,362	6,925	53
	2007*	10,388	4,092	6,281	15
	2008	13,087	6,463	6,563	61
Hays	1999	11,985	10,320	1,646	19
	2000	6,378	4,874	1,447	57
	2001	6,626	4,899	1,650	77
	2002	5,391	3,479	1,851	61
	2003	6,481	5,324	1,050	107
	2004	4,864	3,900	910	54
	2005	5,368	4,320	928	120
	2006	6,186	4,932	1,123	123
	2007*	4,618	3,413	1,066	139
	2008	6,026	4,380	1,332	314

(Table 14. continued)

County	Year	Total	Municipal	Industrial/ Commercial	Irrigation
Guadalupe	1999	181	0	181	0
	2000	188	0	188	0
	2001	220	0	220	0
	2002	221	35	186	0
	2003	222	40	182	0
	2004	222	38	184	0
	2005	218	0	218	0
	2006	48	0	42	6
	2007*	305	153	151	1
	2008	371	132	236	3
Atascosa	1999	1,726	0	0	1,726
	2000	1,204	0	0	1,204
	2001	1,171	0	0	1,171
	2002	729	0	0	729
	2003	677	0	0	677
	2004	337	0	0	337
	2005	1,120	0	0	1,120
	2006	2,125	0	0	2,125
	2007	537	0	0	537
	2008	1,165			1,165

Data source: Edwards Aquifer Authority files (2009).
*= Revised totals from the Edwards Aquifer Authority Hydrologic Data Report for 2007.

WATER QUALITY

The Authority and its predecessor agency the EUWD, in cooperation with the USGS and TWDB, have conducted a water quality data collection program since 1968.

Each year the Authority monitors the quality of water in the aquifer by sampling approximately 80 wells, eight surface water sites, and major spring groups across the region. Sample collection sites are typically selected to provide representative samples of the recharge zone, shallow and deep artesian zone, springs, and surface streams that flow across the recharge zone, as well as areas with historical detection of anthropogenic compounds. Because of the large areal extent of the aquifer and the large number of wells within it, the annual data set provides only limited resolution with regard to aquifer-wide conditions. The sampling program provides a representative "snapshot" of water quality conditions relative to the location, time, and date the sample was collected. As such, annual water quality data can provide insight into identifying areas that may be problematic with regard to the presence of compounds that are not indigenous to the system. These areas may therefore subsequently be sampled with higher frequency or greater density, if warranted.

Five major spring groups are sampled on a regular basis every year (springflow permitting). The five major spring groups are: San Antonio Springs, San Pedro Springs, Hueco Springs, Comal Springs, and San Marcos Springs. However, it is not uncommon for the Authority to collect additional samples from other springs in the region. For example, in 2008, the Authority also collected samples from Las Moras (Fort Clark) and Pinto springs in Kinney County, as well as Fern Bank Springs in Hays County. Through the cooperative effort with the USGS and TWDB, the Authority has maintained a network of groundwater and surface water monitoring sites, including major springs, for gathering water quality data across the Edwards Aquifer area. Analyses of these data have been used by the Authority to assess aquifer water quality.

In 2008, the Authority collected 103 routine water quality samples from 81 wells (two wells were sampled multiple times, at two intervals, and three wells were dual completion wells). The Authority also collected 34 routine water quality samples from eight spring groups and 18 routine water quality samples from nine streams. Water quality samples collected by the Authority are summarized in this report, with locations of these monitoring sites shown on Figures 13a, b, c, and d.

Routine water quality samples were typically analyzed in the field for selected water quality parameters and in the laboratory for inorganic and organic chemical constituents. Field analyses included temperature, pH, conductivity, and alkalinity. In general, most routine water samples were analyzed in the laboratory for common major ions, minor elements (metals), total dissolved solids (TDS), hardness, bacteria and nutrients. Routine water quality samples collected from 52 wells, six spring groups and one surface water site were also analyzed for volatile organic compounds (VOCs). Semivolatile organic compounds (SVOCs) were included in the analyses of water samples from two wells and five spring groups, whereas water samples collected from 52 wells, five spring groups, and eight stream locations were also analyzed for pesticides, and herbicides. Polychlorinated biphenyls (PCBs) were analyzed for from 52 wells, five spring groups, and eight streams.

For routine water quality samples, a general listing of the parameters analyzed, their drinking-water standards, and typical concentrations in the Edwards Aquifer are listed in Table 15. Routine water quality data collected from wells in 2008 are compiled in Appendix C, Tables C-1 through C-7. Routine water quality data collected from streams and springs in 2008 are compiled in Appendix C, Tables C-8 through C-14. These water analyses are subsequently compared with water quality standards to determine whether any concentrations exceed health-based levels.

(continued on page 42)

Figure 13a. Year 2008 Edwards Aquifer Authority Water Quality Sampling Locations—Wells, Springs, and Streams Sampled

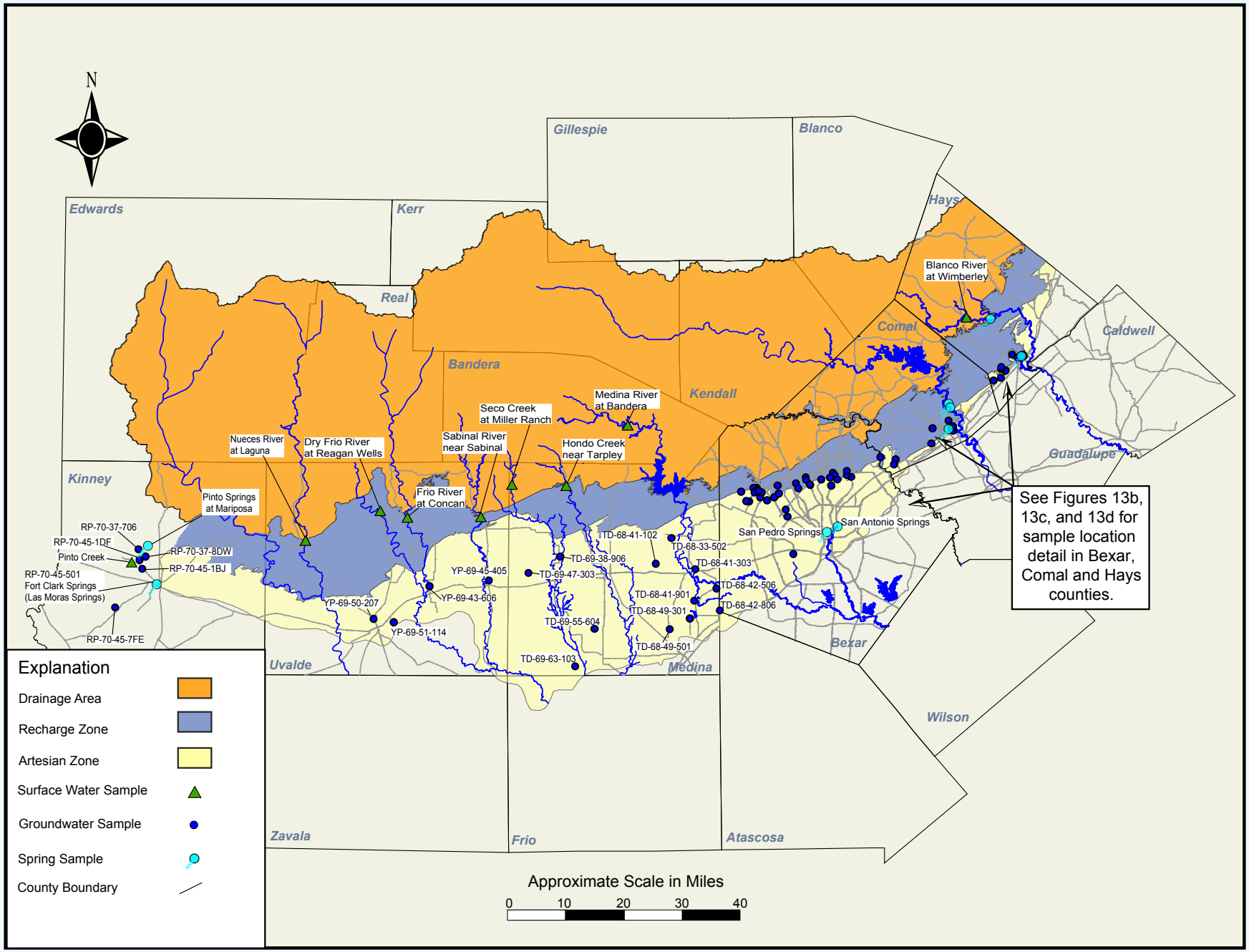


Figure 13b. Year 2008 Edwards Aquifer Authority Water Quality Sampling Locations, Bexar County

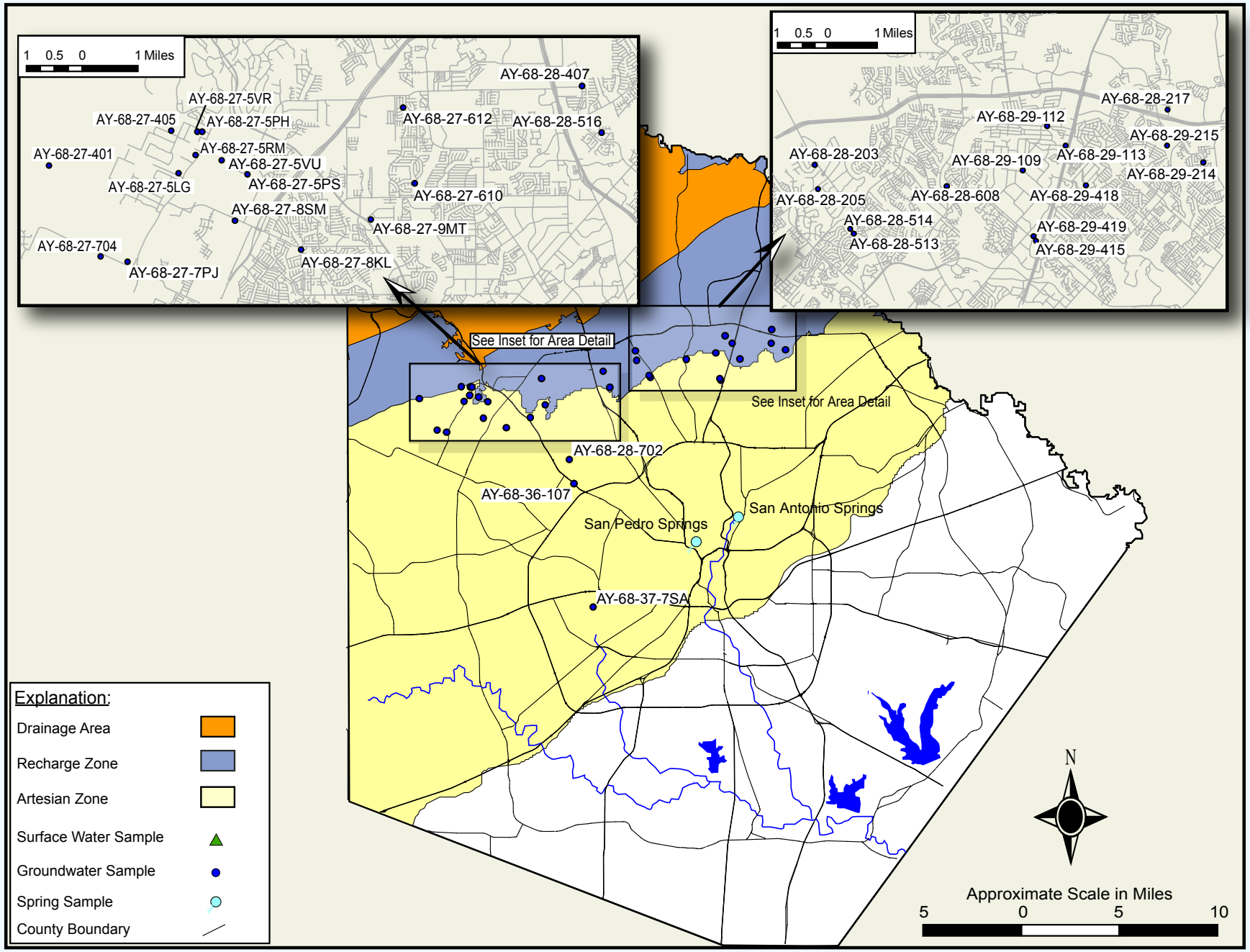


Figure 13c. Year 2008 Edwards Aquifer Authority Water Quality Sampling Locations, Comal County

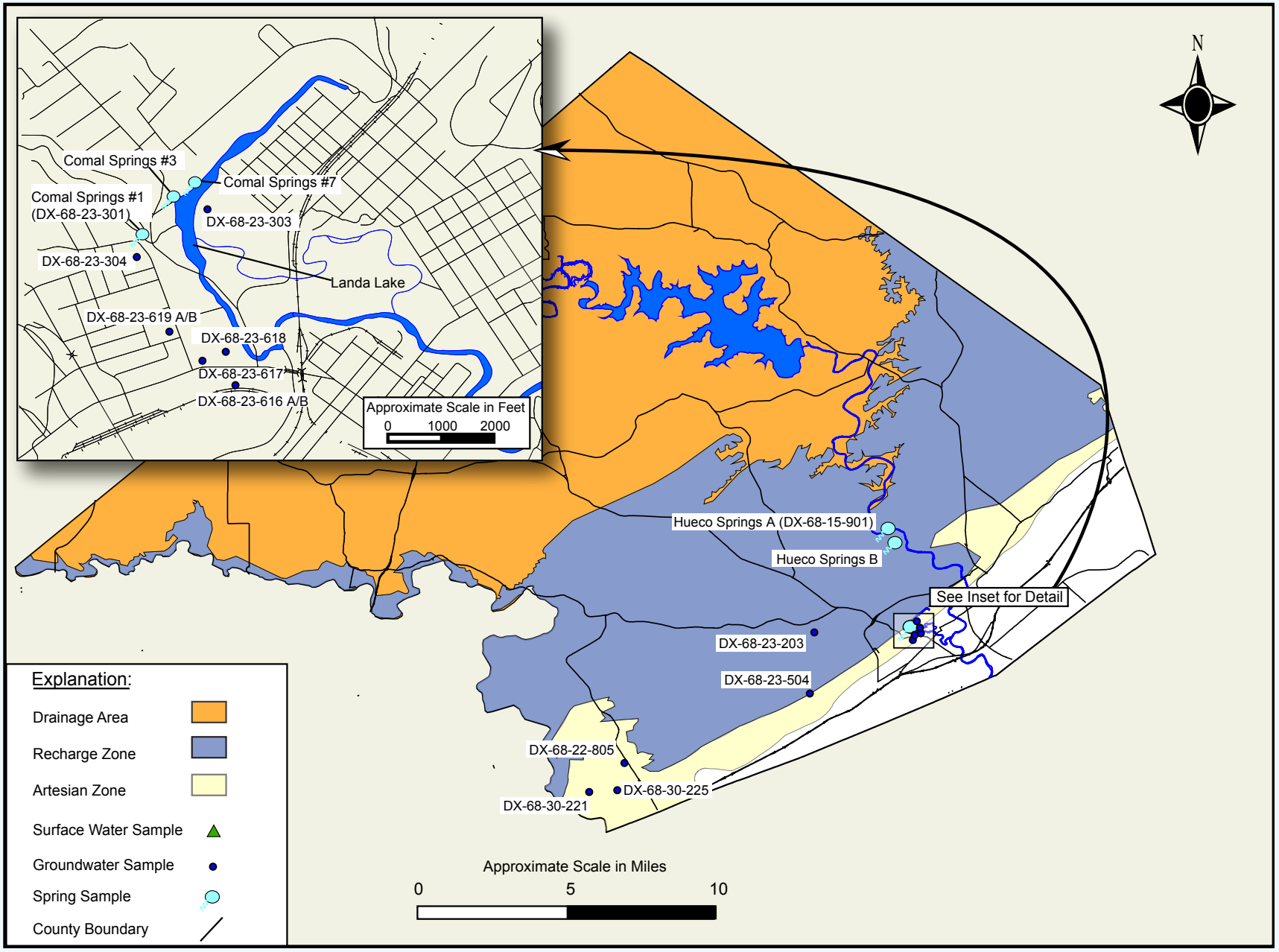
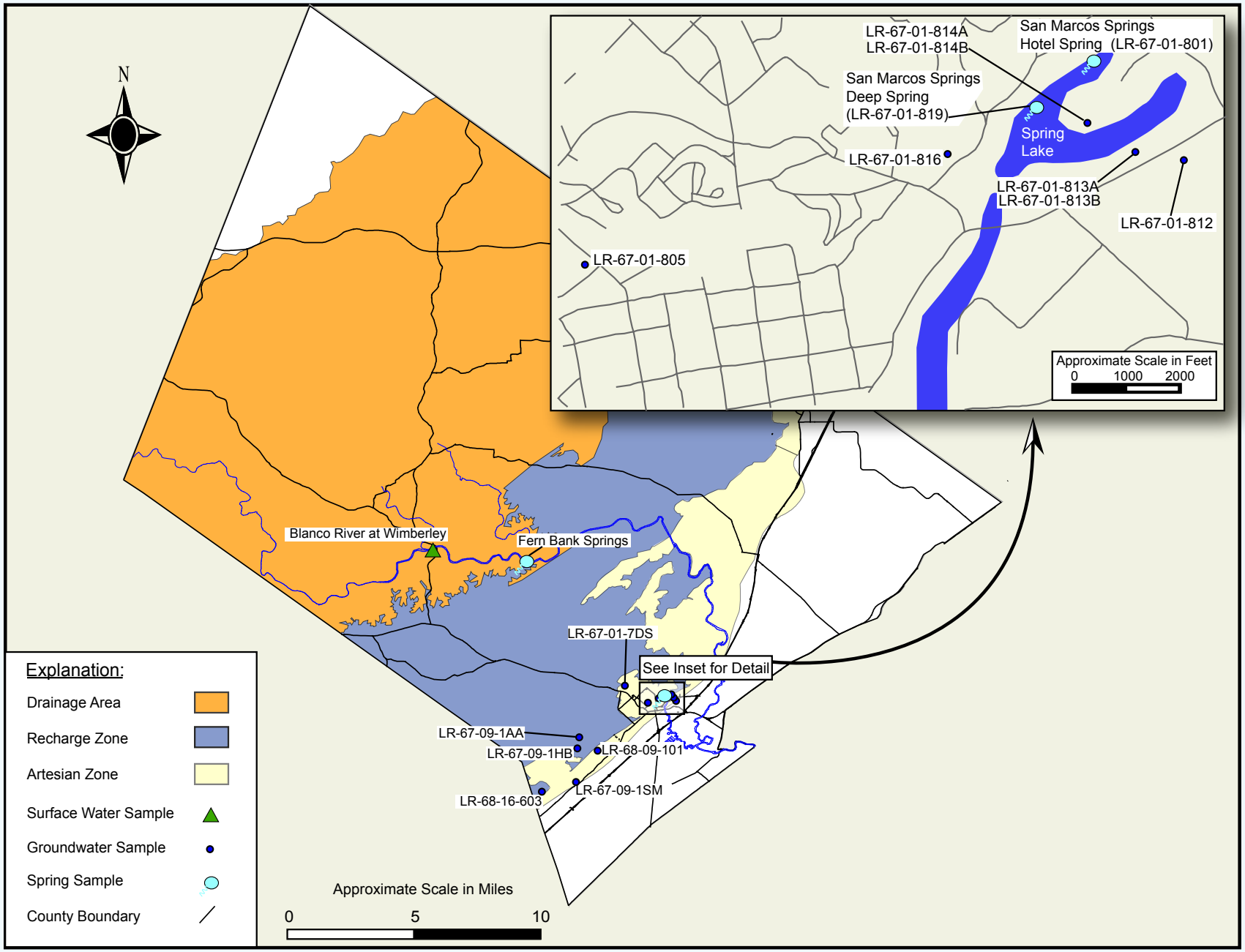


Figure 13d. Year 2008 Edwards Aquifer Authority Water Quality Sampling Locations, Hays County



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Primary Drinking Water Standards — These standards are enforceable for public water supply systems and are often referred to as maximum contaminant levels (MCLs) or primary drinking-water standards. The MCL for a contaminant is the maximum permissible level in water that is delivered to any user of a public water system. MCLs protect drinking water quality by limiting levels of specific contaminants that can adversely affect public health and are known or anticipated to occur in public water systems. The primary standards are based on concentrations published in Title 30 of the Texas Administrative Code, Chapter 290, Subchapter F, and are indicated on Table 15. For compounds that do not have an established MCL, the protective concentration level (PCL) is provided, which is based on the Texas Risk Reduction Program (TRRP), Tier 1, residential value as referenced in Title 30, Texas Administrative Code, Chapter 350. This concentration is the value estimated to be protective of human health and the environment.

Secondary Drinking-Water Standards — These standards are nonenforceable and are set for contaminants that may affect aesthetic qualities of drinking water, such as odor or appearance. Table 16 is a list of current secondary standards. Concentrations of the secondary standards listed in Table 16 are generally not exceeded in the freshwater part of the Edwards Aquifer, although concentrations of total dissolved solids (TDS), fluoride, chloride, and iron typically exceed secondary standards in samples from the saline water zone, which produces water generally not suitable for drinking.

The referenced tables are updated regularly with revisions to MCL or PCL values for various compounds. As such, the reader is encouraged to check the referenced regulations for updates to MCL and PCL values.

Routine Water Quality Data from Edwards Aquifer Wells

Groundwater samples for calendar year 2008 were analyzed by the Authority's contract laboratories — Anacon, Inc., and the San Antonio River Authority. (Anacon, Inc., pursuant to an analytical services contract with the TWDB, provided additional analyses.) The following metals were analyzed: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, lithium, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, silica, silver, sodium, strontium, thallium, vanadium, and zinc.

Metals—Of the 81 wells sampled for metals, laboratory analyses did not indicate the presence of any metals regulated under the primary drinking-water standards at concentrations exceeding their respective MCLs. However, the metal strontium, regulated under the Texas Risk Reduction Program, was detected above the TRRP limit, or PCL in six saline wells and one well in close proximity to the saline zone. The PCL for strontium is 15,000 µg/L. In addition, the metals iron and manganese were detected above their secondary drinking water standards of 300 µg/L and 50 µg/L, respectively, in a Bexar County well close to the recharge zone. Strontium detections were in wells located in or close to the saline water zone of the aquifer. Iron detections were in Medina and Bexar counties, whereas the manganese detection was located in a well in Bexar County, close to the recharge zone.

Metal detections above PCL, or Secondary Standards concentrations (See Figures 13a and 13d for map locations):

Medina County

- Strontium detected in:
  TD-69-63-103 at 19,800 µg/L
  (well in close proximity to saline zone)
  (PCL = 15,000 µg/L)
- Iron detected in:
  TD-69-63-103 at 514 µg/L
  (well in close proximity to saline zone)
  (Secondary Standard = 300 µg/L)

Bexar County

- Iron detected in:
  AY-68-27-5PH at 1,980 µg/L

(continued on page 48)

Table 15. Comparison of Drinking-Water Quality Standards to Range of Concentrations from Water Quality Results, 2008.

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2008	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Field			
Temperature **(˚C)** EPA 170.1	NE	12.5-43.4	20-23
pH measured at 25 ˚C EPA 150.1	6.5 – 8.5 *	6.3-8.31	6.5-8.0
Turbidity **(NTU)**	NE	0-42.5	0.05-2
Dissolved oxygen (DO) **(mg/L)**	NE	1.9-31.2	2-4
Alkalinity total as $CACO_3$ SM 2320 B (mg/L)	NE	124-413	200-400
Specific conductance uS/cm	NE	3.86-2650	
Fecal coliform (colonies / 100 mL)	0 MCLG[1]	ND-350	0-3
Fecal ctrep (colonies / 100 mL)	0 MCLG[1]	ND-1040	0-9
Nutrients (mg/L)			
Nitrate-nitrite as N EPA354.1/300.0	10	ND-7.88	ND-2.5
Orthophosphate EPA 365.3	NE	ND	ND-0.03
Major Ions (mg/L)			
Sulfate (SO_4) EPA 300.0	250*	5.83-2750	30-60
Solids total dissolved (TDS) EPA 160.1	NE	186-12600	200-400
Solids total suspended (TSS) EPA 160.2	NE	ND-59	ND-2
Bromide (Br) EPA 300.0	NE	ND-34.4	ND-0.2
Chloride (Cl) EPA 300.0	250*	6.72-4220	15-50
Fluoride (F) EPA 340.2	4.0	ND-3.29	0.02-0.4
Bicarbonate (HCO_3) SM 2320 B	NE	126-535	200-400
Carbonate (CO_3) SM 2320 B	NE	ND	0
Hardness			
Metals by EPA 200.7 and 200.8 (µg/L)			
Aluminum	24,000**	ND-58.2	ND-40
Antimony	6.0	ND-2.55	ND–1
Arsenic	10.0	ND-1.52	ND-1
Barium	2,000	0.729-425	10-100
Beryllium	4.0	ND	ND-1
Boron	4,900**	38.4-80.9	ND-60
Cadmium	5.0	ND-0.865	ND-0.6
Chromium	100.0	ND-2.10	ND-3
Cobalt	1,500**	ND	ND-1
Copper	1,300*	ND-10.1	ND-4
Iron	300*	ND-1980	ND-6
Lead	15.0	ND-3.96	ND–3
Lithium	490**	<3-24.2	ND-5
Manganese	50.0*	ND-778	ND-4
Molybdenum	120**	<0.856-47.5	ND-10
Nickel	490**	ND-4.76	ND-3
Selenium	50.0	ND-10	ND-30
Silver	100*	ND-6.64	ND-0.001
Strontium	15,000**	87.5-33200	200-500
Thallium	2.0	ND-0.539	ND-1
Uranium	30	<1-2.6	ND
Vanadium	170**	<2.55-11	ND-4
Zinc	5,000*	ND-128	ND-20
Metals by E200.8 (mg/L)			
Calcium	NE	15.5-1090	0.05-0.10
Magnesium	NE	1.25-536	ND-0.004
Potassium	NE	ND-105	5-15
Sodium	NE	1.41-2530	0.005-0.015
Metals by SW-7041 (mg/L)			
Antimony	0.006	ND	ND–0.001
Metals by SW-7470A (mg/L)			
Mercury	0.002	ND-1.42	ND-0.0001
Silica as SIO2 by E200.8 (mg/L)			
Silica	NE	3.4-36	
Total Organic Carbon by E415.1 (mg/L)			
TOC	NE	ND-6.63	

(Table 15. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2008	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Herbicides by SW-8141 (µg/L)			
Atrazine	3.0	<0.05	ND
Azinphosmethyl	37**	<0.05	ND
Bolstar (Sulprofos)	73**	<0.05	ND
Chlorpyrifos	73**	<0.05	ND
Coumaphos	170**	<0.05	ND
Demeton	1.0**	<0.05	ND
Diazinon	22**	<0.05	ND
Dichlorvos	3.0**	<0.05	ND
Dimethoate	5.0**	<0.05	ND
Disulfoton	1.0**	<0.05	ND
EPN	0.24**	<0.05	ND
Ethoprop	2.4**	<0.05	ND
Fensulfothion	24**	<0.05	ND
Fenthion	2.0**	<0.05	ND
Malathion	490**	<0.05	ND
Merphos	1.0**	<0.05	ND
Methyl parathion	6.0**	<0.05	ND
Mononcrotophos	15**	<0.05	ND
Naled	50**	<0.05	ND
Parathion	150**	<0.05	ND
Phorate	5.0**	<0.05	ND
Ronnel	1,200**	<0.05	ND
Simazine	4.0	<0.05	ND
Stirophos (Tetrachlorvinphos)	1030**	<0.05	ND
Sulfotepp (Tetraethyl dithiopyrophosphate)	12**	<0.05	ND
Tokuthion (Prothiofos)	2.0**	<0.05	ND
Trichloronate	73**	<0.05	ND
Herbicides by SW-8151 (µg/L)			
2,4,5-T	NE	<0.50	ND
2,4,5-TP (Silvex)	50.0	<0.50	ND
2,4-D	70.0	<0.05	ND
Bentazon	NE	<0.05	ND
Dinoseb	7.0	<0.05	ND
Pentachlorophenol	1.0	<0.05	ND
Picloram	500	<0.05	ND
Pesticides by SW-8081 (µg/L)			
4, 4'-DDD	4.0**	<0.05	ND
4, 4'-DDE	3.0**	<0.05	ND
4, 4'-DDT	3.0**	<0.05	ND
Alachlor	2.0	<0.05	ND
Aldrin	0.05**	<0.05	ND
Alpha-bhc (Alpha-hexachlorocyclohexane)	0.1**	<0.05	ND
Alpha-chlordane	3.0**	<0.05	ND
Beta-bhc (Beta-hexachlorocyclohexane)	0.5**	<0.05	ND
Delta-bhc (Delta-hexachlorocyclohexane)	0.5**	<0.05	ND
Dieldrin	0.1**	<0.05	ND
Endosulfan I	50**	<0.05	ND
Endosulfan II	150**	<0.05	ND
Endosulfan sulfate	150**	<0.05	ND
Endrin	2.0**	<0.05	ND
Endrin aldehyde	7.0**	<0.05	ND
Endrin ketone	7.0**	<0.05	ND
Gamma-bhc (Lindane)	0.2	<0.05	ND
Gamma-chlordane	3.0**	<0.05	ND
Heptachlor		<0.05	ND
Heptachlor epoxide	0.2	<0.05	ND
Methoxychlor	40.0	<0.05	ND
Mirex	5.0	<0.05	ND
Toxaphene	3.0	<0.05	ND
PCBs by SW-8082 (µg/L)			
PCBs, total	0.5	<7.00	ND
Aroclor 1016	0.5	<1.00	ND
Aroclor 1221	0.5	<1.00	ND
Aroclor 1232	0.5	<1.00	ND
Aroclor 1242	0.5	<1.00	ND
Aroclor 1248	0.5	<1.00	ND

(Table 15. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2008	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Aroclor 1248	0.5	<1.00	ND
Aroclor 1254	0.5	<1.00	ND
Aroclor 1260	0.5	<1.00	ND
SVOCs by SW-8270C (µg/L)			
2, 4, 5-trichlorophenol	2,400**	<0.10	ND
2, 4, 6-trichlorophenol	83**	<0.10	ND
2, 4-dichlorophenol	73**	<0.10	ND
2, 4-dimethylphenol	490**	<0.10	ND
2, 4-dinitrophenol	49**	<0.10	ND
2, 6-dichlorophenol	24**	<0.10	ND
2-chlorophenol	120**	<0.10	ND
2-methyl-4 6-dinitrophenol	49**	<0.10	ND
2-methylnaphthalene	98**	<0.10	ND
2-methylphenol (o-cresol)	1,200**	<0.10	ND
2-nitroaniline	7.0**	<0.10	ND
2-nitrophenol	49**	<0.10	ND
3 & 4 methylphenol (m&p cresol)	1200**	<0.10	ND
3-nitroaniline	7.0**	<0.10	ND
4, 6-dinitro-2-methylphenol	50**	<0.10	ND
4-chloro-3-methylphenol	120**	<0.10	ND
4-nitroaniline	12**	<0.10	ND
4-nitrophenol	49**	<0.10	ND
Naphthalene	490**	<0.10	ND
Nitrobenzene	12**	<0.10	ND
Pentachlorobenzene	20**	<0.10	ND
Pentachlorophenol	1.0	<0.10	ND
Phenanthrene	730**	<0.10	ND
Phenol	7,300**	<0.10	ND
Pyrene	730**	<0.10	ND
Pyridine	NE	<0.10	ND
N-nitrosodi-n-propylamine	0.13**	<0.10	ND
N-nitrosodiethylamine	NE	<0.10	ND
N-nitrosodimethylamine	NE	<0.10	ND
N-nitrosodiphenylamine	190**	<0.10	ND
Acenaphthene	1,500**	<0.10	ND
Acenaphthylene	1,500**	<0.10	ND
Aniline	160**	<0.10	ND
Anthracene	7,300**	<0.10	ND
Azobenzene	8	<0.10	ND
Benzidine	NE	<0.10	ND
Benzo(a)anthracene (1 2-benzanthracene)	1.3**	<0.10	ND
Benzo(b)fluoranthene	1.3**	<0.10	ND
Benzo(k)fluoranthene	13**	<0.10	ND
Benzo(ghi)perylene	730**	<0.10	ND
Benzo(a)pyrene	0.2	<0.10	ND
Benzoic Acid	98000**	<0.10	ND
Benzyl Alcohol	7300	<0.10	ND
Butyl benzyl phthalate	4,900**	<0.10	ND
Bis(2-chloroethoxy)methane	0.83**	<0.10	ND
Bis(2-chloroethyl)ether	0.83**	<0.10	ND
Bis(2-chloroisopropyl)ether	13.0**	<0.10	ND
Bis(2-ethylhexyl)adipate		<0.10	ND
Bis(2-ethylhexyl)phthalate	6.0	<0.10	ND
4-bromophenyl phenyl ether	0.061**	<0.10	ND
4-chloroaniline		<0.10	ND
2-chloronaphthalene	2,000**	<0.10	ND
4-chlorophenyl phenyl ether	0.061**	<0.10	ND
Chrysene	130**	<0.10	ND
Cresols, total	1200**	<0.10	ND
Dibenz(ah)anthracene	0.2**	<0.10	ND
Dibenz(a,j)acridine	1.3**	<0.10	ND
Dibenzofuran	98**	<0.10	ND
3 3-dichlorobenzidine	2**	<0.10	ND
Diethyl phthalate	20,000**	<0.10	ND
Dimethyl phthalate	20,000**	<0.10	ND
Di-n-butyl phthalate	2,400**	<0.10	ND
Di-n-octyl phthalate	490**	<0.10	ND
2 4-dinitrotoluene	1.3**	<0.10	ND
2 6-dinitrotoluene	1.3**	<0.10	ND

(Table 15. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2008	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Fluoranthene	980**	<0.10	ND
Fluorene	980**	<0.10	ND
Hexachlorobenzene	1**	<0.10	ND
Hexachlorobutadiene	5.0**	<0.10	ND
Hexachlorocyclopentaiene	50	<0.10	ND
Hexachloroethane	7.0**	<0.10	ND
Indeno(1,2,3-cd)pyrene	1.3**	<0.10	ND
Isophorone	960**	<0.10	ND
VOCs SW-8260b (µg/L)			
1, 1, 1, 2-tetrachloroethane	35.0**	<0.5-<10	ND
1, 1, 1-trichloroethane	200.0	<0.5-<10	ND
1, 1, 2, 2-tetrachloroethane	5.0**	<0.5-<10	ND
1, 1, 2-trichloroethane	5.0	<0.5-<10	ND
1, 1-dichloroethane	2,400**	<0.5-<10	ND
1, 1-dichloropropene	9.0**	<0.5-<10	ND
1, 1-dichloroethene (Vinylidene chloride)	7.0	<0.5-<10	ND
1, 2, 3-trichlorobenzene	73**	<1-<10	ND
1, 2, 3-trichloropropane	1.3**	<1-<10	ND
1, 2, 4, 5-tetrachlorobenzene	7.0**	<1-<10	ND
1, 2, 4-trichlorobenzene	70.0	<0.5-<10	ND
1, 2, 4-trimethylbenzene	1200**	<0.5-<2.0	ND
1, 2-dibromo-3-chloropropane	0.2	<1-<0.2	ND
1, 2-dibromoethane (EDB)	NE	<0.5-<2.0	ND
1, 2-dichlorobenzene	600**	<0.5-<2.0	ND
1, 2-dichloroethane (EDC)	5.0	<0.5-<2.0	ND
1, 2-dichloropropane	5.0	<0.5-<2.0	ND
1, 3, 5-trimethylbenzene	1200**	<0.5-<2.0	ND
1, 3-dichlorobenzene	730**	<0.5-<2.0	ND
1, 3-dichloropropane	5.0**	<0.5-<2.0	ND
1, 3-dichloropropene	9.0**	<1-<5.0	ND
1, 4-dichlorobenzene	75**	<0.5-<2	ND
2, 2-dichloropropane	13	<0.5-<2.0	ND
2-chloroethyl vinyl ether	1.0**	<0.5-<10	ND
2-chlorotoluene	490**	<0.5-<10	ND
2-hexanone	1,500**	<0.5-<10	ND
4-chlorotoluene	490**	<0.5-<2	
4-isopropyltoluene	2400**	<0.5-<2	ND
4-methyl-2-pentanone (MIBK)	1950**	<0.5-<10	ND
Acetone	22,000**	<1-<10	ND
Acetonitrile	780**	<1-<5	ND
Acrolein	12**	<0.5-<5	ND
Acrylonitrile	2.0**	<0.5-<5	ND
Allyl Alcohol	120**	<1-<5	ND
Benzene	5.0	<0.5-<2.0	ND
Benzyl Chloride	5.0**	<1-<5.0	ND
Bromoacteone	NE	<1-<5.0	ND
Bromobenzene	490**	<0.5-<2.0	ND
Bromochloromethane	980**	<1-<10	ND
Bromodichloromethane	15**	<1-<2.0	ND
Bromoform (Tribromomethane)	120**	<0.5-<2.0	ND
Bromomethane (Methyl bromide)	34**	<1-<10	ND
Carbon disulfide	2400**	<0.5-<2.0	ND
Carbon tetrachloride	5.0	<0.5-<10	ND
Chloral Hydrate	2400**	<1-<5.0	ND
Chlorobenzene	100.0	<0.5-<2.0	ND
Chloroethane (Ethyl chloride)	9,800**	<1-<10	ND
Chloroform	240**	<1-<2.0	ND
Chloromethane (Methyl chloride)	70**	<0.5-<2	ND
Cis-1 2-dichloroethene	70.0	<0.5-<2	ND
Cis-1 3-dichloropropene	2.0**	<0.5-<2	ND
Dibromochloromethane	11**	<0.5-<2	ND
Dibromomethane	NE	<0.5-<10	ND
Dichlorodifluoromethane	4,900**	<0.5-<2.0	ND
Ethylbenzene	700**	<0.5-<2.0	ND
Hexachlorobutadiene	5.0**	<0.5-<10	ND
Iodomethane	34**	<0.5-<2	ND
Isopropylbenzene (Cumene)	700 / 2400**	<0.5-<2	ND
Methyl ethyl ketone (2-butanone)	15,000**	<0.5-<10	ND
Methylene chloride (Dichloromethane)	5**	<0.5-<2	ND
n-Butanol	2400**	<1-<5	ND
n-Butylbenzene	980**	<0.5-<2	ND
n-Propylbenzene	980**	<0.5-<2.0	ND

(Table 15. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2008	Typical Range of Concentrations for the Freshwater Edwards Aquifer
sec-Butylbenzene	980**	<2.0	ND
Styrene	100.0	<1-<2.0	ND
tert-Butylbenzene	980**	<0.5-<2.0	ND
Tert-butyl methyl ether (mtbe)	240**	<0.5-<2	ND
Tetrachloroethene	5.0	<0.5-5.55	ND
Toluene	1,000	<0.5-<2.0	ND
Trans-1, 2-dichloroethene	100	<0.5-<2.0	ND
Trans-1, 3-dichloropropene	9.0**	<0.5-<10	ND
Trichloroethene	5.0	<0.5-<2.0	ND
Trichlorofluoromethane	7,300**	<0.5-<2.0	ND
Vinyl Acetate	24440**	<0.5-<10	ND
Vinyl chloride (Chloroethene)	2.0	<0.5-<2.0	ND
m-p-xylene	10000**	<1-<2	ND
o-xylene	10000**	<0.5-<2.0	ND

Data source: TCEQ, maximum contaminant levels, 30 TAC, Chapter 290, Subchapter F, 2008 and RG-346 Rev. 2008 (www.sos.state.tx.us).
NE = No established MCL, secondary standard, or PCL.
* = Secondary drinking-water standards (30 TAC, 290, Subchapter F).
** = Texas Risk Reduction Program (TRRP) rules, Tier 1, residential PCLs, 30 TAC Chapter 350, updated March 2005. (see: http://www.tnrcc.state.tx.us/permitting/trrp.htm).
1 = MCLG-Maximum Contaminant Level Goal.
ND = Not detectable at concentrations above the method detection limit (MDL).
NA = Not analyzed.
< = Detection limit, and not necessarily the concentration, of the compound in water.
Notes: **MCL** = Maximum contaminant level.
mg/L = Milligram per liter (often referred to as parts per million).
µg/L = Microgram per liter (often referred to as parts per billion).

Table 16. Secondary Drinking-Water Standards.

Parameter	Secondary Drinking -Water Standards (mg/L)
Aluminum	0.05–0.2
Chloride	250
Color	15 color units
Copper	1.0
Corrosivity	Non-corrosive
Fluoride	2.0
Iron	0.3
Manganese	0.05
pH	6.5–8.5
Silver	0.10
Sulfate	250
Total dissolved solids (TDS)	500
Zinc	5

Data source: 30 TAC Chapter 290, Subchapter F.
Color and corrosivity parameters were not included in the 2008 analytical program.

(continued from page 42)

- Manganese detected in:
  AY-68-27-5PH at 778 µg/L
  (Secondary Standard = 50 µg/L)

Comal County

- Strontium detected in:
  DX-68-23-616A at 33,200 µg/L
  (saline well)

Hays County

- Strontium detected in:
  LR-67-01-814A at 16,900 µg/L (saline well)
  LR-67-01-814B at 16,100 µg/L (saline well)
  LR-67-01-813A at 16,200 µg/L (saline well)
  LR-67-01-813B at 15,900 µg/L (saline well)
  LR-67-01-812 at 16,200 µg/L (saline well)

Strontium often occurs at relatively high concentrations inside the saline portion of the Edwards Aquifer. Many of the saline wells sampled in 2008 tested positive for high levels of strontium, as well as sulfate, chloride, and total dissolved solids (TDS). However, these high concentrations are generally less common with increased distance from the saline water zone of the aquifer. Appendix C provides a detailed listing of all analytical results obtained in 2008. The wells with high strontium concentrations in Hays and Comal counties are located within the saline water line. Iron and manganese are both naturally occurring compounds that are occasionally detected at levels above the secondary drinking-water standard. Manganese detection in Bexar County was unusually high and will be scheduled for re-sampling in 2009.

Bacteria—In 2008, 66 wells were sampled for the presence of bacteria. The Authority collects samples from wells upstream of any chlorination equipment in order to assess the presence or absence of bacteria in raw water samples from the aquifer. These sample results are not directly comparable to bacterial samples collected by most public water supply systems, in that public water supply samples are generally collected downstream of chlorination equipment. Generally wells were sampled for fecal streptococcus and fecal coliform bacteria presence as colony forming units per 100 milliliters of water (CFU/100 mL). Most well bacterial results were less than two CFU/100 mL in concentration. However, the fecal coliform bacteria results from two of 66 wells sampled in calendar year 2008 registered three and five CFU/100 mL. In addition, fecal streptococcus bacteria were detected in three wells at two, three, and six CFU/100 mL for fecal streptococcus. Fecal coliform and fecal streptococcus bacteria are used to indicate the possible presence of fecal matter in ground- and surface water. There are no public water supply maximum contaminant limits (MCL) for fecal streptococcus.

The MCL for coliform bacterial samples is based on the size of a public water supply distribution system and is for treated water at the point of use and not from the point of withdrawal. For example, the number of monthly samples collected increases with the number of connections, or size of population served. A public water supply with 100,000 connections would be required to collect 100 samples per month. If more than five percent of the monthly samples are coliform positive, the MCL would be exceeded. For systems that collect less than 40 routine bacteria samples per month, the MCL is defined as when more than one sample is coliform positive (Title 30 Texas Administrative Code, 290.109). Note that samples for public water supplies are collected downstream of the chlorination device and generally from public facilities near the ends of the distribution system.

The presence of fecal bacteria may indicate a problem with laboratory or sampling methods, poor wellhead or casing maintenance, or a possible groundwater source. Public water supplies are required by state law to be chlorinated. However, domestic wells do not have a chlorination requirement. The Authority's bacteria samples are collected with great care to avoid post- collection contamination.

Nitrates—In 2008, 81 wells were sampled for the presence of nitrate-nitrite as nitrogen concentrations. Nitrate-nitrite as nitrogen (nitrate for this report) is a highly soluble, naturally occurring compound in both surface water and groundwater. The largest amounts

of naturally occurring nitrate in surface water and groundwater are derived from direct absorption from the air and soil during rainfall events. Concentrations of nitrate below one mg/L are generally considered background from natural sources. Concentrations above two mg/L are considered elevated. Potential sources of elevated nitrate include runoff from agricultural and urban sources (fertilizer from farm fields and yards), septic systems, leaking sewer lines, and animal waste. Concentrations of nitrate above the MCL of ten mg/L pose an increased risk for methemoglobinemia or "Blue Baby Syndrome," which results from nitrates interfering with the ability of blood to carry oxygen in infants usually younger than six months.

Of the 81 wells sampled for nitrate, none exceeded the MCL of ten mg/L. Two wells indicated a concentration above five mg/L, but less than ten mg/L. Another 18 wells contained concentrations at or above 2.0 mg/L, including two wells in Uvalde County, three wells in Medina County, nine wells in Bexar County, three wells in Comal County, and one well in Hays County. The Authority is studying historical nitrate concentrations to identify trends that may indicate contamination sources.

Nitrate detections above five mg/L were found in:

Uvalde County

- YP-69-51-114 at 6.03 mg/L

Bexar County

- AY-68-27-7PJ at 7.88 mg/L

VOCs—In 2008, water samples collected from 52 wells were analyzed for VOCs. The compound tetrachloroethene (PCE) was detected at well YP-69-51-114 in Uvalde County at 5.55 µg/L. The MCL for PCE is 5.0 µg/L. YP-69-51-114 is located within a historical PCE plume in Uvalde County and has tested positive for PCE in the past. No other VOCs were detected in routine well samples in 2008.

SVOCs—In 2008, two wells were sampled for SVOCs. None of the wells sampled in 2008 tested positive for SVOC compounds.

Pesticides, Herbicides, and PCBs—Well water samples collected from 52 wells were analyzed for pesticides, herbicides, and PCBs in 2008. None of the wells sampled tested positive for pesticides, herbicides, or PCBs in 2008.

In summary, well sampling did not indicate widespread contamination in the aquifer. However, note that elevated nitrate detections (greater than two mg/L) were present in 20 of the 81 wells sampled. The Authority will continue to include nitrate analyses in the future in order to further assess any potential impacts to the aquifer. Metals were detected above a regulatory limit in eight of the 81 wells sampled. Detections of the metals strontium and iron are likely due to naturally occurring sources of these two metals. Strontium detections are typically highest in and close to the saline water part of the aquifer. Iron detections are occasionally high in some parts of the aquifer system. Manganese detection is unusually high, and the well is scheduled for resampling in calendar year 2009. In Uvalde County, detection of the volatile compound PCE is located in an area of known PCE contamination associated with a historical spill.

Routine Water Quality Data from Streams and Springs in the Edwards Aquifer Area

Surface water quality data are collected within the drainage area of the aquifer (see Figure 13a) at USGS gauging stations located upstream of the Edwards Aquifer Recharge Zone. The surface water data collection sites are located within eight major stream basins that flow across the recharge zone and contribute significant groundwater recharge to the Edwards Aquifer. The streams monitored, from west to east, are the Nueces River, Dry Frio River, Frio River, Sabinal River, Seco Creek, Hondo Creek, Medina River, and Blanco River. In 2008, surface water samples were collected twice from each of these rivers and creeks with the exception of the Blanco River, which was sampled a third time. In addition, Pinto Creek in Kinney County was sampled

once, bringing the total number of surface water sample sites in 2008 to nine. Data from these sites can be used as a baseline to evaluate the quality of water recharging the aquifer and sensitivity of water quality to land use changes in various areas of the Edwards Aquifer region.

Water quality data are also routinely collected from five major spring groups discharging from the aquifer because they provide composite samples of the vast underground drainage network that makes up the aquifer. In years with rainfall amounts adequate to maintain sufficient springflow, multiple spring orifices are sampled at Comal, Hueco, and San Marcos springs, and single spring orifices are sampled at San Antonio and San Pedro springs on a quarterly basis. However, drought conditions minimized flow at Hueco B Spring and San Antonio Spring, resulting in a reduction in the number of samples collected at these springs. Flow at Hueco B Spring was not sufficient for sample collection after the March sampling event, whereas flow at San Antonio Springs was not sufficient for sample collection during the June or December sampling events. Therefore, San Pedro, Comal, Hueco A, and San Marcos springs were sampled quarterly in 2008. Hueco B was sampled only once, and San Antonio springs sampled only twice in the calendar year. Also in 2008, spring water samples were collected once from Pinto and Las Moras (Fort Clark) springs in Kinney County and Fern Bank Springs in Hays County, for a total of eight spring sample locations.

Summary of Analytical Results — Water samples from the nine stream locations and eight spring groups discussed previously were analyzed for the following metals: aluminum, antimony, arsenic, barium, beryllium, boron, bromide, cadmium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, thallium, vanadium, and zinc. Detectable metal concentrations in surface water are common at trace amounts. Surface and spring water sample analytical results for metals for calendar year 2008 did not indicate the presence of any metals at concentrations in excess of an MCL or PCL value.

Nitrates—Laboratory analyses indicated mostly trace amounts of nitrate-nitrite as nitrogen in surface water and slightly higher concentrations in spring water samples. Of the 18 total surface water samples collected in 2008, nitrate-nitrite as nitrogen concentrations ranged from less than 0.15 to 1.39 mg/L. Of the 34 spring water samples collected in 2008, nitrate-nitrite as nitrogen concentrations ranged between less than 0.15 and 2.13 mg/L. None of the nitrate concentrations detected exceeds the MCL of ten mg/L (nitrate as nitrogen) for drinking water. The highest nitrate concentration at the springs for 2008 was 2.13 mg/L at Comal Springs, spring 7, in September.

Bacteria—In 2008, most surface stream and spring water samples were tested for fecal coliform and fecal streptococcus bacteria. It is not unusual for surface water and spring samples to have positive detections of bacteria, especially in wet years (for example, in 2007 counts ranged up to “too numerous to count” during periods of heavy runoff). Bacteria results for surface streams in 2008 ranged from 18 CFU/100mL through 350 CFU/100 mL for fecal coliform, and from three CFU/100 mL through 1,070 CFU/100 mL for fecal streptococcus. Spring water samples for bacteria ranged from less than two through 95 CFU/100 mL for fecal coliform, and from less than two through 110 CFU/100 mL for fecal streptococcus. Because of the presence of various fauna in surface and spring water collection sites, positive detections are not uncommon.

VOCs, SVOC, Herbicides, Pesticides, and PCBs—Stream samples are generally not tested for VOCs or SVOCs. Stream water samples are not tested for VOCs because of the inherent volatility of VOCs, making their presence in surface waters rare. In 2008, one stream sample (the Blanco River) was tested for VOCs with no compounds detected. Remaining stream samples were tested for organic compounds related to PCBs, herbicides and pesticides in 2008, with no positive results noted for these compounds.

Water samples collected in 2008 from all the springs were analyzed for VOCs. None of the spring samples

tested positive for VOCs during the calendar year. Water samples collected from all the springs were also tested for SVOCs, none of which noted positive detections of SVOCs in 2008. Spring samples were also tested for organic compounds related to PCBs, herbicides, and pesticides in 2008, with no positive results noted for these compounds.

Detections of non-naturally occurring compounds in a karst system such as the Edwards Aquifer are problematic. Contaminants may pass through the system quickly. As such, sample collection events that occur once every several months may not coincide with the flux of a contaminant at the sample point. In addition, when a contaminant is detected, without a continuous type sample, it is impossible to ascertain whether the sample result reflects the low, middle, or high end of the contaminant flux. This process, proven with tracer studies in karst systems, helps to explain why a contaminant may be detected once, but it is often not detected again during the next sampling event when the subsequent event is performed several weeks or months later. Although no VOC, SVOC, or pesticide or herbicide detections were noted in spring or surface water samples in 2008, it is possible that contaminants may have passed through the system between sampling events.

Freshwater/Saline-Water Interface Studies

The freshwater/saline-water interface of the Edwards Aquifer, a regional boundary between fresh and saline parts of the aquifer, is defined by a mapped iso-concentration line representing 1,000 mg/L of total dissolved solids (TDS). Groundwater is commonly classified according to TDS concentrations, as shown in Table 17.

The interface varies both laterally and vertically in parts of the aquifer. Locally this line is referred to as the freshwater/saline-water interface, or "bad-water line," which defines the farthest downdip extent of potable water (Pavilicek and others, 1987). The approximate location of the freshwater/saline-water interface is shown in Figures 1 and 13a. Water

Table 17. Classification of Groundwater Quality Based on Total Dissolved Solids

Description	TDS Concentration (mg/L)
Fresh	Less than 1,000
Slightly saline	1,000 to 3,000
Moderately saline	3,000 to 10,000
Very saline	10,000 to 35,000
Brine	More than 35,000

Source: Winslow and Kister, 1956.

quality concerns related to position and stability of the freshwater/saline-water interface have been expressed by some researchers. The limited water quality data collected during and since the drought of record in the 1950s are inconclusive as to whether encroachment of saline water is likely during a recurrence of extreme drought conditions. However, encroachment of saline water has not been identified as a problem in the region when aquifer conditions are above the lowest levels recorded in the aquifer.

South and southeast of the interface, water from the aquifer is slightly to moderately saline and contains moderate to large concentrations of dissolved chloride and sulfate. The interface varies both laterally and vertically, as determined in several wells near the boundary. Water from some wells north of the interface, and from all wells south of the interface, contains dissolved hydrogen sulfide gas. In most wells along the interface, freshwater has been encountered in the upper part and saline water in the lower part of the Edwards Aquifer (Reeves, 1971; Groschen, 1993). Other wells along the interface have encountered the opposite vertical distribution, with saline-water zones overlying freshwater zones, particularly in southern Medina County.

In 1985, the former Edwards Underground Water District (EUWD), in cooperation with the USGS, TWDB, and San Antonio Water System (SAWS), initiated a study of the freshwater/saline-water interface. A series of seven wells were drilled in the San Antonio area, which transects the freshwater/

saline-water interface, to detect changes in water quality as the hydraulic head in the aquifer changes. This program was implemented in response to the concern that increased aquifer withdrawals might result in encroachment of saline water into the aquifer's also freshwater zone. As part of the Authority's ongoing water quality program, periodic samples are collected and analyzed. Other samples are collected when certain spring discharge criteria are met.

The possibility of saline-water encroachment and subsequent deterioration of water quality in the aquifer also led to construction of additional water quality monitor well transects across the freshwater/saline-water interface. Two monitor wells were drilled and tested by the Authority with the cooperation of local entities. These transects are located in New Braunfels and San Marcos areas (Poteet and others, 1992). Another saline well was drilled in south Medina County in 1993 as part of the initial saline water study. Water quality in these transect wells has been relatively uniform, with no significant changes detected since the program began.

Since 1997, SAWS, working with the USGS, TWDB, and the Authority, has continued to install transects of freshwater/saline-water interface monitoring wells. To date, the following transects of monitoring wells have been installed:

- Artesia Pump Station (San Antonio) Transect (installed in 1986)
- New Braunfels (Comal Springs area) Transect (installed in 1989)
- San Marcos (San Marcos Springs area) Transect (installed in 1991)
- South Medina Well (installed in 1993)
- Kyle Transect (installed in 1998)
- East Uvalde "Knippa Gap" Transect (installed in 1999)
- "Tri-County" (Bexar-Comal-Guadalupe) Transect (installed in 2000)
- Hays–Fish Hatchery Transect (installed in 2001)
- Mission Road Transect (installed in 2002)
- Pitluk Transect Bexar County (installed in 2005)

Studies conducted to date indicate that changes in aquifer water levels have little effect on water quality in wells that are directly adjacent to the freshwater/saline-water interface. Nevertheless, the Authority, USGS, and SAWS will continue to monitor water quality in the freshwater/saline-water interface monitoring wells. As of calendar year 2005, the Authority ceased to participate in joint funding activities for continued drilling of saline water line well transects.

Significant Events Affecting the Edwards Aquifer in Calendar Year 2008

In calendar year 2008, the most significant event impacting the Edwards Aquifer was the lack of precipitation from September 2007 through December 2008. According to the NEXRAD calibrated rainfall summary map in Figure 6, precipitation across the region was well below average in 2008. NEXRAD data indicate below-normal annual rainfall amounts ranging from 6.6 inches in Kinney County to 20.4 inches in Medina County for the year. The historical average rainfall across the region varies from approximately 24 inches in the west (Uvalde /Kinney County) to more than 35 inches in the east (Hays County).

According to a statement issued on the national weather service website (http://www.weather.gov/water/textprods/view.php?wfo=ewx&prod=DGT) dated April 2009, for the 18-month period, September 2007 through February 2009, only 17.32 inches of rain was reported in San Antonio. This represents the driest September to February period since 1885, the year that record-keeping began in the area. Other parts of the region were similarly dry during this time. As reported by the U.S. Drought Monitor website at (http://drought.unl.edu/dm/DM_state.htm?TX,S), exceptional drought (referred to as D4 by the U.S. Drought Monitor) existed in the following counties within the Edwards Aquifer region: all of Comal, Bexar, Caldwell, Blanco, Gillespie, Kendall, Guadalupe, and Travis, and parts of Medina and Atascosa counties as of March 31, 2009.

Edwards Aquifer's Response to the Current Drought — Rainfall during calendar year 2007 was significantly above normal across the region in the first eight months of the year. This exceptionally high rainfall replenished the aquifer system and subsequently reduced calendar year 2007 pumping during the typically high demand months of summer. In addition, rainfall from 2007 helped to sustain streamflow within the drainage area, resulting in recharge amounts greater than expected during regional drought conditions. As such, the aquifer system has been able to provide adequate water for the region effectively since the beginning of the current drought in September 2007. However, the extended drought conditions are becoming apparent in water levels across the region. Figure 14 shows calendar years 2007 and 2008 water levels at Bexar County Index Well, J-17. The figure also shows historical average water levels at J-17 and rainfall amounts at San Antonio International Airport. As may be seen in the graph, aquifer levels peaked in September 2007 at 700.72 feet above msl, about the same time rainfall amounts began to diminish. Note in Figure 14 that the trend of water levels remained in overall decline until approximately the end of June 2008. From June 2008 until the end of year, the aquifer showed some response to small rainfall events, and the reduction in pumping that occurs as irrigation demands for agricultural and landscape maintenance waned at the end of summer. However, aquifer levels finished the year in close approximation to the historical average.

Effectively the aquifer transitioned from near-record high levels in September 2007 to the historical average level by November of 2008 and remained at that level to the end of the year. Water levels were also below the historical average during most of the month of June 2008, probably as a result of high demand for outdoor irrigation.

Springflow in 2008 also reflected the lack of rainfall during the year. For example, in Table 10, monthly springflow volumes are listed for the major springs across the region. Using Hueco Springs as an example, flow here dropped from 4,420 acre-feet in the month of January to just 408 acre-feet in December. This drop represents an order-of-magnitude reduction in the volume of flow at this spring. San Antonio Springs was even more volatile, dropping from 7,536 acre-feet of flow in January to just 321 acre-feet by December. Aquifer levels and springflow both reflect the effects of drought on the aquifer during calendar year 2008. These effects will be more intense in 2009 unless weather patterns change to supply more rainfall to the region.

SUMMARY

This report presents the results of the Authority's Edwards Aquifer Data Collection Program for calendar year 2008. During 2008, the Authority collected a wide variety of data regarding the Edwards Aquifer, including:

- Groundwater level data;
- Precipitation measurement data;
- Groundwater recharge data;
- Groundwater discharge and usage data;
- Water quality data from groundwater, surface water, and springs; and,
- Significant events affecting the Edwards Aquifer in calendar year 2008.

Groundwater Level Data

Water levels at the Bexar County (J-17) index well declined during the first six months of calendar year 2008, falling below the historical mean in June. The aquifer rose above the historical mean in July and maintained above-mean levels until November, when levels approximated the historical mean for the remainder of the year. Other wells in the region exhibited similar behavior. In 2008 aquifer (groundwater) levels began to show the stresses associated with a continued lack of rainfall across the region.

Precipitation Measurement Data

Precipitation in the Edwards Aquifer region was below the mean in 2008, with rainfall amounts ranging from approximately 12.3 inches below the mean in Uvalde, to 18.5 inches below the mean in San Marcos. According to the calibrated NEXRAD radar data for 2008, rainfall in the region ranged from a low of approximately 6.6 inches (in parts of Kinney County), to a high of approximately 20.4 inches in east central Medina County.

Groundwater Recharge Data

Total recharge to the Edwards Aquifer was significantly below median at 212,900 acre-feet, or approximately 263 percent less than the median annual recharge value of 560,900 acre-feet for the period of record (1934–2008). The lowest annual recharge to the aquifer was 43,700 acre-feet in 1956, and the highest annual recharge to the aquifer was 2,486,000 acre-feet in 1992. Compared with the period of record, recharge in 2008 was below the period of record median value for all eight basins for which the USGS estimates that recharge is contributed to the Edwards Aquifer.

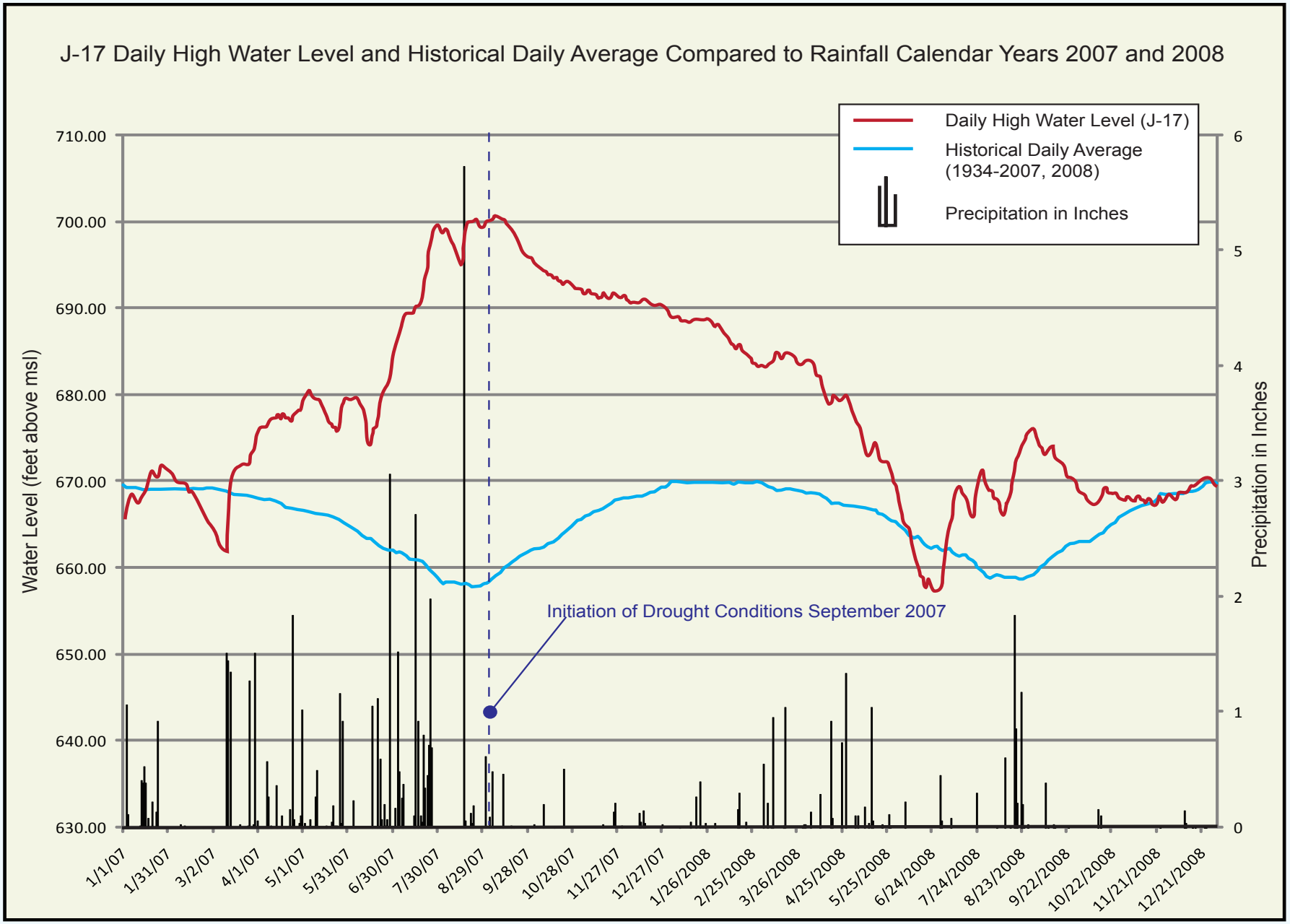
Groundwater Discharge and Usage Data

In calendar year 2008, groundwater discharge from the Edwards Aquifer through wells and springs totaled 845,700 acre-feet. This amount is approximately 20 percent above the median of 705,600 acre-feet for the period of record (1934–2008). Comparatively speaking, the lowest total annual discharge through wells and springs of 388,800 acre-feet occurred in 1955, and the highest total annual discharge of 1,130,000 acre-feet occurred in 1992.

Discharge from wells in 2008 was estimated to be 428,600 acre-feet, or approximately 33 percent above the 321,100 acre-foot period of record median (1934–2008). Comparatively speaking, the lowest annual discharge from wells for the period of record (1934–2008) was 101,900 acre-feet in 1934, and the highest was 542,400 acre-feet in 1989.

Discharge from springs in 2008 was estimated to be 417,000 acre-feet, approximately 8 percent more than the period of record median of 321,100 acre-feet. Comparatively speaking, the lowest annual discharge from springs for the period of record (1934–2008) was 69,800 acre-feet in 1956, and the highest was 802,800 acre-feet in 1992. Springflow was higher early in the year and began to respond to continued drought conditions late in the year.

Figure 14. Two-Year Comparison of Daily High and Historical Average Water Levels at Bexar County Index Well J-17



Water Quality Data from Groundwater, Surface Water, and Springs

In 2008, the Authority collected water quality samples from 81 wells, nine streams, and eight spring groups. Detections of compounds for the samples collected were limited to one VOC, limited metals, nitrates below the MCL, and limited bacteria detections. In 2008, wells were generally sampled once, streams were generally sampled twice, and the major spring groups were sampled quarterly. Pinto, Fort Clark, and Fern Bank springs were sampled only once. Water samples from most sampling events were analyzed for major ions, metals, TDS, hardness, and nutrients. Water samples from 52 wells and six spring groups and one surface water site were also analyzed for VOCs. Water samples from two wells and five spring groups were also analyzed for SVOCs. Water samples collected from 52 wells, eight stream locations, and five spring groups were also analyzed for pesticides, herbicides, and PCBs.

Concentrations of major ions are relatively uniform throughout the freshwater parts of the Edwards Aquifer, which consistently yield very hard, calcium bicarbonate water, with low TDS and few detectable metals. The saline-water part of the aquifer (saline zone) contains water with more than 1,000 mg/L of TDS, which is largely made up of major anions and cations. In addition, samples from the saline zone commonly contain detectable levels of regulated metals, such as strontium, normally at concentrations less than their respective MCLs. However, concentrations of regulated metals above regulatory limits are not uncommon in the saline zone. Like groundwater from the freshwater part of the aquifer, water from streams and springs also contains low concentrations of TDS and few detectable metals.

For well water samples collected in 2008, strontium was detected at one location in the freshwater part of the aquifer and at six locations in the saline zone above the 15,000 µg/L PCL. Other metals detected include iron at two locations above the secondary standard and manganese at one location above the secondary standard. Surface and spring water sample analyses did not indicate the presence of any regulated metals above a regulatory limit.

Also for samples collected in 2008, raw groundwater bacteria results from wells ranged from less than two CFU/100 mL to five CFU/100 mL for fecal coliform, and from less than two to six CFU/100 mL for fecal streptococcus. Two of 66 wells tested positive for fecal coliform, and three of 66 wells sampled tested positive for fecal streptococcus. Surface water bacteria ranged from two CFU/100 mL through 350 CFU/100 mL for fecal coliform, and from less than two CFU/100 mL through 1,070 CFU/100 mL for fecal streptococcus. Spring water samples for bacteria ranged from less than two through 95 CFU/100 mL for fecal coliform, and from less than two through 110 CFU/100 mL for fecal streptococcus. Of the 31 (total number of spring samples) samples, 11 were positive for fecal coliform, whereas 16 of 31 spring samples were positive for fecal streptococcus.

In samples from wells, streams, and springs in the Edwards Aquifer region in 2008, nitrate-nitrite as nitrogen concentrations ranged from below the laboratory reporting limit of 0.015 mg/L to 7.88 mg/L. Well water samples showed the greatest variation, ranging from below the laboratory reporting limit to 7.88 mg/L, with 20 of the 81 wells sampled testing positive for nitrate at or above 2.0 mg/L. Surface water samples ranged from less than 0.015 to 1.39 mg/L, whereas spring water samples ranged from less than 0.015 to 2.13 mg/L (nitrate as nitrogen). Of the 31 total spring water samples collected, only one tested positive at a concentration above 2.0 mg/L for nitrates. None of the samples collected exceeded the MCL of ten mg/L of nitrate as nitrogen.

In 2008, 52 wells, one surface water site, and eight spring groups were analyzed for VOCs. The compound tetrachloroethene was detected above the regulatory limit of 5.0 µg/L in one well in Uvalde County at 5.55 µg/L. The well is located within a historical PCE plume. No VOCs were detected in the spring samples nor in the one surface water sample collected for VOC analyses.

In 2008, two wells and five spring groups were sampled for SVOCs. No SVOCs were detected in the 2008 sample set.

In 2008, samples from 52 wells, eight streams, and five spring groups were analyzed for herbicides, pesticides, and PCBs. No sample tested positive for these compounds.

Edwards Aquifer water is generally of such high quality that it normally requires only chlorination to meet public drinking-water standards. However, detection of nitrates and organic compounds in the aquifer is a concern, and the Authority will continue to monitor for these compounds to determine possible sources and trends. Nitrate as nitrogen is a naturally occurring compound; however, concentrations above 2.0 mg/L may indicate anthropogenic impacts. Well samples had the highest concentrations, with 11 of 81 wells sampled testing positive for nitrate-nitrite at 2.0 mg/L or higher. Two of the 81 wells had nitrate-nitrite concentrations above 5.0 mg/L; the MCL for nitrate-nitrite is 10 mg/L. One spring sample contained nitrate at a concentration above 2.0 mg/L.

Confirmed detections of anthropogenic compounds such as PCE in Uvalde County are a concern and warrant continued monitoring in the future. The Authority's aquifer-wide water-quality sampling program will continue to monitor wells, streams, and springs for indications of water-quality impacts throughout the region. Focused investigations of areas with water quality impacts will be initiated as needed.

Significant Events Affecting the Edwards Aquifer in Calendar Year 2008

Continued drought conditions that began in the fall of 2007 resulted in declining water levels and springflows in the Edwards Aquifer throughout 2008. Springflows and water levels began the year at above-normal levels but finished the year below normal. The severity of the drought's impact will be determined by the weather patterns for calendar year 2009.

DEFINITIONS

Technical terms and abbreviations used in this report are defined as follows:

acre-foot — Quantity of water required to cover one acre to a depth of one foot, equivalent to 43,560 ft^3 (cubic feet), about 325,851 gal (gallons), or 1,233 m^3(cubic meters).

aquifer — A body of rock that contains sufficient saturated permeable material to conduct groundwater and to yield economically significant quantities of groundwater to wells and springs.

artesian well — A well tapping confined groundwater. Water in the well rises above the level of the confined water-bearing strata under artesian pressure but does not necessarily reach the land surface.

artesian zone — An area where the water level from a confined aquifer stands above the top of the strata in which the aquifer is located.

average — A number representing the sum of a group of added figures divided by the number of figures.

bacteria — Microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped in colonies. Some bacteria are pathogenic (causing disease), whereas others perform an essential role in nature in the recycling of materials (measured in colonies/100 mL).

conductivity — A measure of the ease with which an electrical current can be caused to flow through an aqueous solution under the influence of an applied electric field. Expressed as the algebraic reciprocal of electrical resistance (measured in microsiemens per centimeter (µS/cm) at ambient temperature). Generally, in water, the greater the total dissolved solids content, the greater the value of conductivity. See also *specific conductance*.

confined aquifer — An artesian aquifer or an aquifer bound above and below by impermeable strata or by strata with lower permeability than the aquifer itself.

domestic or livestock use — Use of water for drinking, washing, or culinary purposes; or irrigation of a family garden or orchard, the produce of which is for household consumption only, or watering animals.

discharge — Volume of water that passes a given point within a given period of time.

drainage area — Area or watershed where runoff from precipitation flows downgradient to the recharge zone of the Edwards Aquifer. Also known as the *Texas Hill Country*.

drainage basin — An area bounded by a divide and occupied by a drainage system. It consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

drinking water — All water distributed by any agency or individual, public or private, for the purpose of human consumption or which may be used in the preparation of foods or beverages or for the cleaning of any utensil or article used in the course of preparation or consumption of food or beverages for human beings. The term "drinking water" shall also include all water supplied for human consumption or used by any institution catering to the public.

Edwards Underground Water District (EUWD) — Regional governmental entity that preceded the Edwards Aquifer Authority.

Edwards Aquifer Authority (EAA or Authority) — Regional governmental entity established by the Texas Legislature in 1993 to "manage, enhance, and protect the Edwards Aquifer system."

freshwater/saline-water interface — Interface or boundary that separates total dissolved solids (TDS) values less than 1,000 mg/L (freshwater) from TDS values greater than 1,000 mg/L (saline-water). Commonly referred to as the "bad water line."

gauging station — A particular site that systematically collects hydrologic data such as streamflow, springflow, or precipitation.

groundwater divide — A ridge or mound in the water table or potentiometric surface from which the groundwater moves in opposite directions.

mean — Arithmetic average of a population of numbers. Described mathematically as Mean = $X_1 + X_2 + X_3 + \cdots + X_n / n$.

median — Numerical value at the "center" or "middle" of a data set, where one-half of the sample population is less than, and one-half is greater than, the median value.

median Numerical value at the “center” or “middle” of a data set, where one-half of the sample population is less than, and one-half is greater than, the median value.

method blank Laboratory-grade water taken through the entire sample preparation and analytical procedure as part of the batch of samples to determine the presence or absence of target constituents or interferents. The blank is used to assess possible background contamination from the analytical process. This blank is also referred to as a *laboratory blank*.

method detection limit The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte. The method detection limit (MDL) is estimated in accordance with 40 CFR 136, Appendix B

micrograms per liter (µg/L) A unit for expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water; 1,000 micrograms per liter is equal to 1 milligram per liter.

milligrams per liter (mg/L) A unit for expressing the concentration of chemical constituents in solution as mass (milligrams) of solute per unit volume (liter) of water; 1,000 milligrams per liter is equal to 1 gram per liter.

potentiometric surface An imaginary surface representing the total head of groundwater and defined by the level to which water will rise in a well. Under confined conditions, the water level will rise above the producing aquifer.

public water system A system for the provision to the public of water for human consumption through pipes or other constructed conveyances, which includes all uses described under the definition for *drinking water*.

real time data Instantaneous or near-instantaneous information used to monitor a current condition such as precipitation, stream flow, spring discharge, etc.

recharge Process involved in absorption and addition of water to the zone of saturation.

recharge zone — Area in which water infiltrates into the ground and eventually reaches the zone of saturation in one or more aquifers.

semivolatile organic compounds (SVOC) — Class of naturally occurring and synthetic organic compounds such as polynuclear aromatic hydrocarbons and chlorinated hydrocarbons and pesticides; typically analyzed with gas chromatograph/mass spectrometers.

specific conductance — A measure of the ability of an aqueous solution to conduct an electrical current. Specific conductance is the given value of conductivity adjusted to a standard temperature of 25°C. Expressed in microsiemens per centimeter (µS/cm). See also *conductivity*.

ten-year floating average — Calculated mean of the current year plus the previous nine years in a graph.

total dissolved solids (TDS) — Concentration of dissolved minerals in water, usually expressed in units of milligrams per liter (mg/L).

transect wells — A group of Edwards Aquifer monitoring wells positioned in a linear transect to monitor for changes in water quality along the freshwater/saline-water interface.

trip blank — Laboratory-grade water taken from the laboratory to the sampling site and returned to the laboratory unopened whenever samples are collected for analyses of volatile organic compounds. This blank is used to measure cross-contamination from the container and preservative during transport, field handling, and storage. It is analyzed for volatile organic compounds.

unconfined aquifer — An aquifer, or part of an aquifer, with a water table and containing groundwater that is not under pressure beneath relatively impermeable rocks.

underflow — Movement of water flowing beneath the land surface within the bed or alluvial plain of a surface stream.

volatile organic compounds (VOC) — Class of naturally occurring and synthetic organic compounds with boiling points below 200˚C, typically analyzed using gas chromatograph/mass spectrometers; includes solvents such as trichloroethene or benzene.

water table — Interface between the zone of saturation and the zone of aeration, where the surface pressure of unconfined groundwater is equal to the atmospheric pressure. Also known as the *piezometric surface*.

water table — Interface between the zone of saturation and the zone of aeration, where the surface pressure of unconfined groundwater is equal to the atmospheric pressure. Also known as the *piezometric surface*.

water level observation well — A water well used to measure the water level or potentiometric surface of water-bearing strata such as the Edwards Aquifer, Leona Gravel Aquifer, and Lower Glen Rose (Trinity) Aquifer.

zone of aeration — Subsurface zone where the voids and pore spaces may contain water under less pressure than that of the atmosphere. Also known as the *vadose zone*.

zone of saturation — Subsurface zone in which all voids and pore spaces are filled with water under pressure greater than that of the atmosphere. Also known as the *phreatic zone*.

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TRRP Rules and PCL Tables:
http://www.tceq.state.tx.us/assets/public/remediation/trrp/trrptbls1_5_042308.xls

Population and Census Data:
http://quickfacts.census.gov/qfd/

APPENDIX A

Year 2008 Water Level Data for Selected Wells

Table A-1. City of Uvalde Index Well J-27 (YP-69-50-302) Daily High Water Levels (in feet above msl), 2008.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	882.5	882.5	881.3	880.8	879.0	877.1	874.2	874.0	874.8	874.8	874.2	873.8
2	882.5	882.5	881.3	880.7	878.9	877.0	874.2	874.1	874.8	874.8	874.2	873.8
3	882.6	882.5	881.3	880.7	878.8	876.8	874.2	874.1	874.8	874.7	874.2	873.8
4	882.6	882.5	881.3	880.7	878.7	876.7	874.2	874.0	874.9	874.7	874.2	873.8
5	882.6	882.4	881.3	880.6	878.6	876.5	874.2	874.0	874.9	874.7	874.2	873.8
6	882.6	882.3	881.3	880.6	878.6	876.4	874.3	874.0	874.9	874.7	874.1	873.7
7	882.6	882.2	881.2	880.5	878.6	876.4	874.3	874.0	874.9	874.7	874.1	873.7
8	882.6	882.2	881.2	880.5	878.4	876.3	874.3	874.0	874.9	874.6	874.1	873.7
9	882.6	882.2	881.2	880.5	878.3	876.2	874.3	873.9	874.9	874.6	874.1	873.7
10	882.6	882.0	881.2	880.4	878.3	876.0	874.3	873.9	875.0	874.6	874.1	873.7
11	882.6	882.0	881.2	880.3	878.2	875.9	874.3	873.9	875.0	874.6	874.1	873.7
12	882.6	881.9	881.2	880.2	878.1	875.8	874.3	874.0	875.0	874.6	874.1	873.7
13	882.6	881.8	881.2	880.1	878.1	875.7	874.3	ND	875.0	874.6	874.0	873.6
14	882.6	881.8	881.2	880.0	878.1	875.7	874.3	874.2	874.9	874.6	874.0	873.6
15	882.6	881.7	881.1	880.0	878.1	875.6	874.3	874.2 op	875.0 inc	874.6	874.0	873.6
16	882.6	881.8	881.1	879.9	878.1	875.5	874.3	874.2 op	875.0 inc	874.5	874.0	873.6
17	882.6	881.7	881.1	879.8	878.2	875.4	874.2	874.6 op	875.0	874.6	873.9	873.6
18	882.6	881.6	881.2	879.7	878.2	875.3	874.2	874.6 op	875.0inc	874.5	873.9	873.6
19	882.6	881.6	881.1	879.6	878.3	875.1	874.2	874.5	875.0inc	874.5	873.9	873.6
20	882.6	881.6	881.1	879.6	878.3	875.0	874.1	874.5	875.0	874.5	873.9	873.5
21	882.6	881.5	881.1	879.5	878.3	874.9	874.1	874.5	875.0	874.5	873.9	873.5
22	882.6	881.4	881.1	879.5	878.2	874.8	874.2	874.5	874.9	874.5	873.9	873.5
23	882.6	881.5	881.1	879.4	878.1	874.8	874.2	874.7	874.9	874.5 inc	873.9	873.5
24	882.6	881.4	881.1	879.3	878.1	874.6	874.3	874.8	874.9	874.5 inc	873.9	873.5
25	882.6	881.4	881.1	879.2	878.0	874.5	874.3	874.8	874.9	874.5 inc	873.8	873.5
26	882.6	881.4	881.0	879.2	877.9	874.4	874.3	874.8	874.9	874.5 inc	873.8	873.5
27	882.6	881.3	881.0	879.2	877.8	874.3	874.3	874.8	874.9	874.4 inc	873.8	873.5
28	882.6	881.4	880.9	879.1	877.6	874.2	874.2	874.8	874.9	874.4 inc	873.8	873.5
29	882.6	881.3	880.9	879.1	877.5	874.2	874.2	874.8	874.8	874.3	873.8	873.4
30	882.6		880.9	879.1	877.3	874.1	874.2	874.9	874.8	874.3	873.8	873.4
31	882.6		880.8		877.2		874.1	874.9		874.2		873.4

Table A-2. City of Hondo Well (TD-69-47-306) Daily High Water Levels (in feet above msl), 2008.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	758.4	756.8	746.6	747.2	737.9 op	720.6 op	708.9	725.4 op	732.0	725.0	723.0	721.9
2	758.6 op	756.9	747.3	747.3	736.5 op	719.7 op	711.4	724.9 op	731.9	724.7	723.0	721.9
3	758.8 op	756.0	747.6	747.4	734.6 op	717.7 op	713.2 op	725.1 op	731.3	724.5	723.0	721.8
4	759.0	755.9	748.4	747.8	733.8 op	717.5 op	715.4 op	725.1 op	730.8	724.2	722.8	721.3
5	759.1	755.8 op	748.3	747.5	734.2 op	716.1 op	717.4 op	724.8 op	730.5	723.9	722.8	721.4
6	758.8	754.8 op	748.5	746.8	733.2 op	715.1 op	718.2 op	724.7 op	730.0	723.9	722.6	721.7
7	758.6	754.1 op	749.3	746.2	732.2 op	715.2 op	719.8 op	724.4 op	729.9	723.9	722.4	721.8
8	758.0	753.6 op	749.8	745.4	731.4 op	715.6 op	721.2 op	723.8 op	729.5	723.9	722.3	722.2
9	758.1	753.0 op	749.1	744.4 op	729.7 op	715.6 op	722.5 op	723.0 op	729.4	723.9	722.6	722.1
10	758.0	751.4 op	749.7	743.9 op	728.4 op	714.6 op	723.7 op	722.5 op	729.3	723.6	722.8	721.5
11	757.8	751.5 op	750.5	742.8 op	728.0 op	713.1 op	724.2 op	721.5 op	729.6	723.2	722.7	721.7
12	757.8	751.1 op	751.0	741.5 op	728.5 op	711.9 op	725.0 op	722.8 op	729.7	723.1	722.7	721.5
13	758.0	750.6 op	751.2	742.2 op	727.6 op	711.7	725.2 op	723.6 op	729.9	723.4	722.3	721.4
14	757.8	750.0 op	750.8	742.3 op	727.0 op	710.4 op	725.4 op	723.7 op	729.4	723.8	722.3	721.5
15	758.0	750.1 op	750.6	741.8 op	727.8 op	710.7 op	724.9 op	724.1 op	729.1	724.0	721.7	721.5
16	757.7	751.3 op	750.3	740.9 op	728.8 op	709.7 op	724.0 op	724.4 op	728.9	724.0	721.9	721.9
17	757.4	751.9 op	750.5	740.6 op	729.6 op	708.8	723.2 op	725.3 op	728.9	724.2	722.1	722.1
18	757.8	751.2 op	750.7	741.1 op	730.2 op	707.1 op	722.9 op	725.8 op	728.6	724.1	721.9	722.1
19	757.8	750.2 op	750.4	742.3 op	729.9 op	706.7 op	722.2 op	726.3 op	728.6	724.1	721.5	721.8
20	758.0	749.9 op	749.2	743.0 op	728.3 op	706.7 op	721.9 op	727.6 op	728.4	724.2	721.5	721.8
21	758.5	749.1	748.3	743.1 op	727.0 op	706.9 op	722.3 op	728.1 inc	728.0	723.8	721.2	721.7
22	758.7	748.4	747.9	743.4 op	729.5	708.9 op	722.2 op	728.8	727.8	723.8	721.5	722.0
23	758.3	748.6	747.1	743.2	729.9	709.2 op	722.9 op	729.4	727.4	723.4	721.8	722.5
24	758.1	748.3	747.1	742.7	729.7	709.0 op	723.8 op	730.0	727.2	723.2	721.9	722.4
25	758.0	748.7	745.6	742.0	729.8	708.0 op	725.0 op	730.7	726.8	723.2	721.5	722.2
26	758.1	748.2	745.1	741.8	728.9 op	707.8 op	726.0 op	731.2	726.5	723.1	721.4	722.2
27	757.7	748.1	744.8	742.2	727.4 op	707.4 op	726.5 op	731.4	726.2	722.9	721.6	721.9
28	757.9	747.6	743.9 op	742.6	725.2 op	707.7 op	726.8 op	731.7	725.8	723.1	722.0	721.1
29	758.0	747.1 op	744.2 op	741.8	724.0 op	707.6 op	726.3 op	731.7	725.5	723.2	722.1	721.1
30	757.5		746.0 op	739.7	722.4 op	708.3 op	726.2 op	731.9	725.4	723.2	722.1	720.5
31	757.3		746.8 op		721.2 op		725.7 op	732.0		723.0		720.2

N/D = No data available.
inc = Incomplete data (not a complete day of data).
op = Orphimedes data backup.

Table A-3. City of Castroville Well (TD-68-41-301) Daily High Water Levels (in feet above msl), 2008.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	726.9	725.3	716.8	717.4	711.0	695.4	684.3	699.5	706.2	699.4	698.2	697.8
2	726.8	725.5	717.1	717.5	709.9	694.1	685.5	699.1	706.0	699.1	698.2	697.8
3	727.0	725.2	717.5	717.6	708.5	693.3	687.0	699.1	705.4	699.1	698.2	697.8
4	727.2	725.0	717.7	717.7	707.5	692.6	688.6	698.9	705.1	698.6	698.0	697.4
5	727.3	724.8	717.8	717.7	707.0	691.5	690.2	698.8	704.7	698.5	698.1	697.5
6	727.1	724.0	719.5	717.6	706.8	690.6	691.5	698.6	704.4	698.4	698.0	697.7
7	727.0	723.7	718.2	717.2	706.3	689.9	694.7	698.5	704.1	698.3	697.9	697.8
8	726.4	723.2	718.0	716.6	705.5	689.6	693.9	698.1	703.9	698.4	697.8	698.1
9	726.4	722.5	717.8	716.0	704.4	689.6	695.2	697.6	703.6	698.3	698.0	698.1
10	726.5	721.4	720.1	715.8	703.6	688.6	695.9	697.2	703.6	698.2	698.0	697.9
11	726.3	721.2	718.7	715.0	702.6	687.9	695.8	696.8	703.8	697.9	698.0	697.8
12	726.3	720.7	719.5	714.3	702.5	687.0	697.2	701.3	704.0	697.8	698.0	697.7
13	726.2	720.2	720.0	713.8	702.1	686.4	697.8	697.3	704.2	700.2	697.9	697.9
14	726.0	720.0	720.0	713.5	701.7	686.0	698.1	697.7	704.1	698.4	697.9	698.0
15	726.1	719.8	719.9	713.1	702.1	685.6	698.0	698.0	703.3	700.5	697.4	697.6
16	726.2	720.5	719.6	712.7	702.5	685.5	697.8	698.9	703.2	698.9	697.6	698.0
17	726.1	720.6	719.6	712.4	703.0	684.6	697.3	698.9	703.1	699.1	697.6	698.2
18	726.0	720.5	719.7	715.3	703.3	683.5	696.6	702.4	702.9	699.2	697.5	698.4
19	726.1	719.7	719.6	713.2	703.1	683.0	696.1	700.2	702.7	699.3	697.4	698.4
20	726.2	719.5	719.0	713.9	702.0	682.5	695.8	703.0	702.6	699.2	697.4	698.4
21	726.4	719.2	718.6	714.0	702.9	682.8	695.7	702.0	702.2	699.1	697.1	698.3
22	726.5	718.8	718.2	714.0	701.6	683.3	695.6	702.5	701.8	699.1	697.3	698.5
23	726.4	718.4	717.5	713.9	702.1	683.6	695.9	705.1	701.6	698.8	697.5	698.9
24	726.3	718.3	716.9	713.9	702.3	683.4	698.9	704.8	701.3	698.7	697.6	698.9
25	726.3	718.1	716.9	713.7	702.5	682.8	698.0	704.7	701.0	698.7	697.3	698.8
26	726.3	717.5	716.2	713.7	702.1	682.2	699.1	705.2	700.8	698.6	697.3	698.9
27	726.1	717.2	715.9	713.8	701.4	682.2	699.8	705.5	700.7	698.4	697.5	698.7
28	726.1	717.4	715.2	713.8	700.1	682.3	700.1	705.8	700.4	698.3	697.7	698.1
29	726.2	717.2	715.7	713.5	698.5	682.8	700.1	705.9	700.0	698.5	697.8	697.9
30	725.8		716.4	712.5	697.4	683.0	700.1	706.1	699.7	698.4	697.9	697.7
31	725.6		717.1		696.4		699.8	706.2		698.2		697.1

Table A-4. Bexar County Index Well J-17 (AY-68-37-203) Daily High Water Levels (in feet above msl), 2008.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	689.2	687.9	683.2	684.0	678.8	669.1	658.4	669.4	675.8	668.8	668.1	668.1
2	689.1	688.1	683.4	683.9	678.3	667.9	659.6	669.0	675.1	668.7	668.2	667.9
3	689.0	687.9	683.2	684.0	677.6	667.1	661.1	669.1	674.8	668.3	667.8	668.1
4	688.9	687.7	683.3	684.0	677.1	666.4	662.8	668.4	674.3	668.5	667.8	668.0
5	689.0	687.5	683.2	684.0	676.8	665.6	663.7	668.0	674.0	668.4	667.8	668.2
6	689.0	687.3	683.1	683.8	676.6	665.3	664.6	668.3	674.0	667.9	667.7	668.7
7	688.7	687.1	683.4	683.3	676.3	665.0	665.7	667.9	673.3	667.9	667.8	668.9
8	688.6	686.9	683.7	682.6	675.5	665.1	667.2	667.4	673.2	667.7	667.9	668.7
9	688.5	686.7	683.8	682.2	674.7	664.4	668.2	667.2	673.5	667.6	668.2	668.6
10	688.6	686.4	683.9	682.2	674.2	663.2	668.8	666.9	673.7	667.4	667.9	668.6
11	688.5	686.0	684.3	681.8	673.6	662.6	669.0	666.1	673.9	667.6	668.1	669.0
12	688.7	685.9	684.7	681.1	673.1	661.8	669.3	666.7	674.0	667.6	667.7	669.0
13	688.7	685.7	684.9	680.9 op	672.9	661.1	669.5	667.9	674.1	667.5	667.7	669.3
14	688.4	685.3	684.8	680.1 op	673.0	660.8	669.1	668.2	673.4	667.9	667.6	669.7
15	688.4	685.2	684.5	679.6 op	673.6	660.5	668.7	668.3	672.8	668.3	667.5	669.1
16	688.7	685.6	684.3	679.0	673.9	659.9	668.4	668.9	672.6	668.7	667.9	669.4
17	688.5	685.8	684.3	678.9	674.4	659.1	667.9	669.4	672.5	668.9	667.7	669.6
18	688.6	685.6	684.8	679.2	674.5	658.9	667.5	670.5	672.2	669.4	667.6	669.8
19	688.7	685.2	684.9	679.7	673.9	658.0	667.0 inc	671.6	672.2	669.1	667.4	669.8
20	688.7	685.1	684.8	680.1	673.0	657.8	666.7 op	672.5	672.0	668.7	667.5	670.2
21	688.8	684.9	684.7	679.8	672.5	658.1	666.3 inc	673.2	671.6	668.7	667.3	670.4
22	688.7	684.6	684.8	679.7	672.1	658.9	665.8	673.4	671.0	668.7	667.8	670.4
23	688.6	684.6	684.6	679.5	672.2	658.5	666.5 op	673.9	670.4	668.6	668.2	670.6
24	688.8	684.4	684.5	679.4	672.4	657.9	668.5 op	674.3	670.5	668.5	668.0	670.3
25	688.7	683.9	684.1	679.4	672.3	657.6	669.6 op	674.6	670.5	668.7	667.6	670.5
26	688.9	683.4	684.1	679.6	672.3	657.5	670.3 op	675.1	670.3	668.7	667.6	670.5
27	688.8	683.5	683.9	680.0	671.8 op	657.3	670.9 op	675.5	670.3	668.1	667.9	670.4
28	688.5	683.5	683.4	679.9	671.2 op	657.6	671.3	675.7	670.2	668.0	668.1	670.2
29	688.5	683.2	683.6	679.9	670.6	657.8	670.2	675.7	669.4	668.2	668.3	669.9
30	688.3		683.8	679.4	669.8	657.5	670.1	675.9	669.0	668.0	668.6	669.6
31	688.2		683.9		669.6		669.6	676.1		667.8		669.5

N/D = No data available.
inc = Incomplete data (not a complete day of data).
op = Orphimedes data backup.

Table A-5. Landa Park Well (DX-68-23-302) Daily High Water Levels (in feet above msl), 2008.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	629.3	629.0	628.5	628.4	627.9	626.9	625.5	626.2	626.7	626.3	626.0	626.0
2	629.3	629.1	628.6	628.4	627.8	626.9	625.6	626.2	626.7	626.3	626.1	625.9
3	629.3	629.0	628.6	628.4	627.8	626.8	625.6	626.2	626.7	626.2	626.1	625.9
4	629.3	629.0	628.5	628.4	627.8	626.7	625.7	626.2	626.7	626.2	626.0	625.9
5	629.3	629.0	628.5	628.4	627.8	626.7	625.8	626.1	626.6	626.3	626.0	625.9
6	629.3	629.0	628.5	628.4	627.8	626.6	625.8	626.2	626.6	626.2	626.0	626.0
7	629.3	629.0	628.5	628.3	627.7	626.6	625.8	626.2	626.6	626.2	626.0	626.0
8	629.2	629.0	628.5	628.3	627.7	626.6	625.9	626.1	626.6	626.2	626.0	626.0
9	629.2	628.9	628.5	628.3	627.6	626.5	626.0	626.1	626.6	626.1	626.1	625.9
10	629.2	628.9	628.5	628.3	627.5	626.4	626.0	626.1	626.6	626.1	626.0	626.0
11	629.2	628.9	628.5	628.2	627.5	626.4	626.1	626.1	626.6	626.1	626.0	626.0
12	629.2	628.9	628.5	628.2	627.5	626.3	626.1	626.0	626.6	626.1	626.0	626.0
13	629.2	628.9	628.5	628.2	627.4	626.2	626.2	626.1	626.6	626.1	626.0	626.0
14	629.2	628.9	628.5	628.1	627.4	626.2	626.1	626.1	626.6	626.1	626.0	626.0
15	629.2	628.8	628.5	628.1	627.4 inc	626.1	626.1	626.1	626.6	626.1	626.0	626.0
16	629.2	628.8	628.5	628.0	ND	626.1	626.1	626.4	626.6	626.2	626.0	626.0
17	629.1	628.8	628.5	628.0	ND	626.0	626.0	626.2	626.6	626.2	626.0	626.0
18	629.1	628.8	628.5	628.0	ND	625.9	626.0	626.5	626.6	626.2	625.9	626.0
19	629.1	628.8	628.5	628.0	ND	625.8	626.0	626.3	626.5	626.2	626.0	626.0
20	629.2	628.8	628.5	628.1	ND	625.8	626.0	626.4	626.5	626.1	625.9	626.1
21	629.1	628.7	628.5	628.1	627.3 inc	625.8	626.0	626.4	626.5	626.1	625.9	626.1
22	629.1	628.7	628.5	628.0	627.3	625.8	625.9	626.4	626.5	626.1	625.9	626.1
23	629.1	628.7	628.5	628.0	627.2	625.8	626.0	626.5	626.4	626.1	625.9	626.1
24	629.1	628.7	628.5	628.0	627.2	625.7	626.7	626.6	626.4	626.1	625.9	626.1
25	629.1	628.7	628.4	627.9	627.2	625.6	626.2	626.6	626.4	626.1	625.9	626.1
26	629.1	628.6	628.4	628.0	627.2	625.6	626.2	626.6	626.4	626.1	625.9	626.1
27	629.1	628.6	628.4	628.0	627.2	625.5	626.3	626.6	626.4	626.1	625.9	626.1
28	629.1	628.6	628.4	628.0	627.1	625.5	626.3	626.6	626.4	626.1	625.9	626.1
29	629.1	628.6	628.4	627.9	627.0	625.6	626.2	626.7	626.4	626.1	626.0	626.1
30	629.1		628.4	627.9	627.0	625.5	626.2	626.7	626.3	626.0	626.0	626.1
31	629.1		628.4		627.0		626.2	626.7		626.0		626.1

Table A-6. Knispel Well (LR 67-01-809) Daily high water levels (in feet above msl), 2008.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	578.0	576.9	576.4	575.9	575.6	575.6	575.0	574.8	574.8	574.6	574.5	ND
2	578.0	576.9	576.4	575.9	575.6	575.6	575.0	574.8	574.8	574.6	574.5	ND
3	578.0	576.9	576.4	575.9	575.5	575.6	574.9	574.8	574.8	574.6	574.5	ND
4	577.9	576.9	576.4	575.9	575.5	575.6	574.9	574.8	574.8	574.6	574.5	ND
5	577.9	576.8	576.4	575.9	575.5	575.6	574.9	574.8	574.8	574.6	574.5	ND
6	577.9	576.8	576.3	575.9	575.5	575.5	574.9	574.8	574.8	574.6	574.5	ND
7	577.8	576.8	576.3	575.9	575.5	575.5	574.9	574.8	574.8	574.6	574.5	ND
8	577.8	576.8	576.3	575.8	575.5	575.5	574.9	574.8	574.8	574.6	627.4 inc	ND
9	577.7	576.8	576.2	575.8	575.4	575.5	574.9	574.8	574.8	574.5	ND	ND
10	577.7	576.7	576.2	575.8	575.4	575.5	574.9	574.8	574.8	574.5	ND	ND
11	577.6	576.7	576.2	575.8	575.4	575.5	574.9	574.8	574.8	574.5	ND	ND
12	577.6	576.7	576.2	575.8	575.4	575.4	574.9	574.8	574.8	574.5	ND	ND
13	577.5	576.7	576.2	575.8	575.4	575.4	574.9	574.8	574.7	574.5	ND	ND
14	577.5	576.7	576.2	575.8	575.4	575.4	574.9	574.8	574.7	574.5	ND	ND
15	577.4	576.6	576.2	575.7	575.4	575.3	574.9	574.8	574.7	574.5	ND	ND
16	577.4	576.6	576.2	575.7	575.4	575.3	574.9	574.8	574.7	574.5	ND	ND
17	577.4	576.6	576.1	575.7	575.4	575.2	574.9	574.8	574.6	574.5	ND	ND
18	577.3	576.6	576.1	575.7	575.4	575.2	574.8	574.8	574.6	574.5	ND	ND
19	577.3	576.6	576.1	575.7	575.4	575.2	574.8	574.8	574.6	574.5	ND	ND
20	577.3	576.6	576.1	575.7	575.4	575.2	574.8	574.8	574.6	574.6	ND	ND
21	577.2	576.6	576.1	575.7	575.5	575.2	574.8	574.8	574.6	574.6	ND	ND
22	577.2	576.6	576.1	575.7	575.6	575.2	574.8	574.8	574.6	574.5	ND	627.5 inc
23	577.2	576.6	576.1	575.7	575.6	575.2	574.8	574.8	574.6	574.5	ND	574.4
24	577.2	576.5	576.1	575.7	575.6	575.1	574.8	574.8	574.6	574.5	ND	627.4 inc
25	577.1	576.5	576.1	575.7	575.6	575.1	574.8	574.8	574.6	574.5	ND	ND
26	577.1	576.5	576.0	575.6	575.6	575.1	574.8	574.8	574.6	574.5	ND	ND
27	577.1	576.4	576.0	575.6	575.6	575.1	574.8	574.8	574.6	574.5	ND	ND
28	577.0	576.4	576.0	575.6	575.6	575.0	574.8	574.8	574.6	574.5	ND	ND
29	577.0	576.4	576.0	575.6	575.6	575.0	574.8	574.8	574.6	574.5	ND	ND
30	577.0		576.0	575.6	575.6	575.0	574.8	574.8	574.6	574.5	ND	ND
31	577.0		575.9		575.6		574.8	574.8		574.5		ND

N/D = No data available.
inc = Incomplete data (not a complete day of data).

APPENDIX B

Year 2008 Hydrographs for Wells and Springs

Figure B-1. Bexar County Index Well J-17 (AY-68-37-203) Hydrograph of Groundwater Elevation vs. Precipitation at San Antonio International Airport

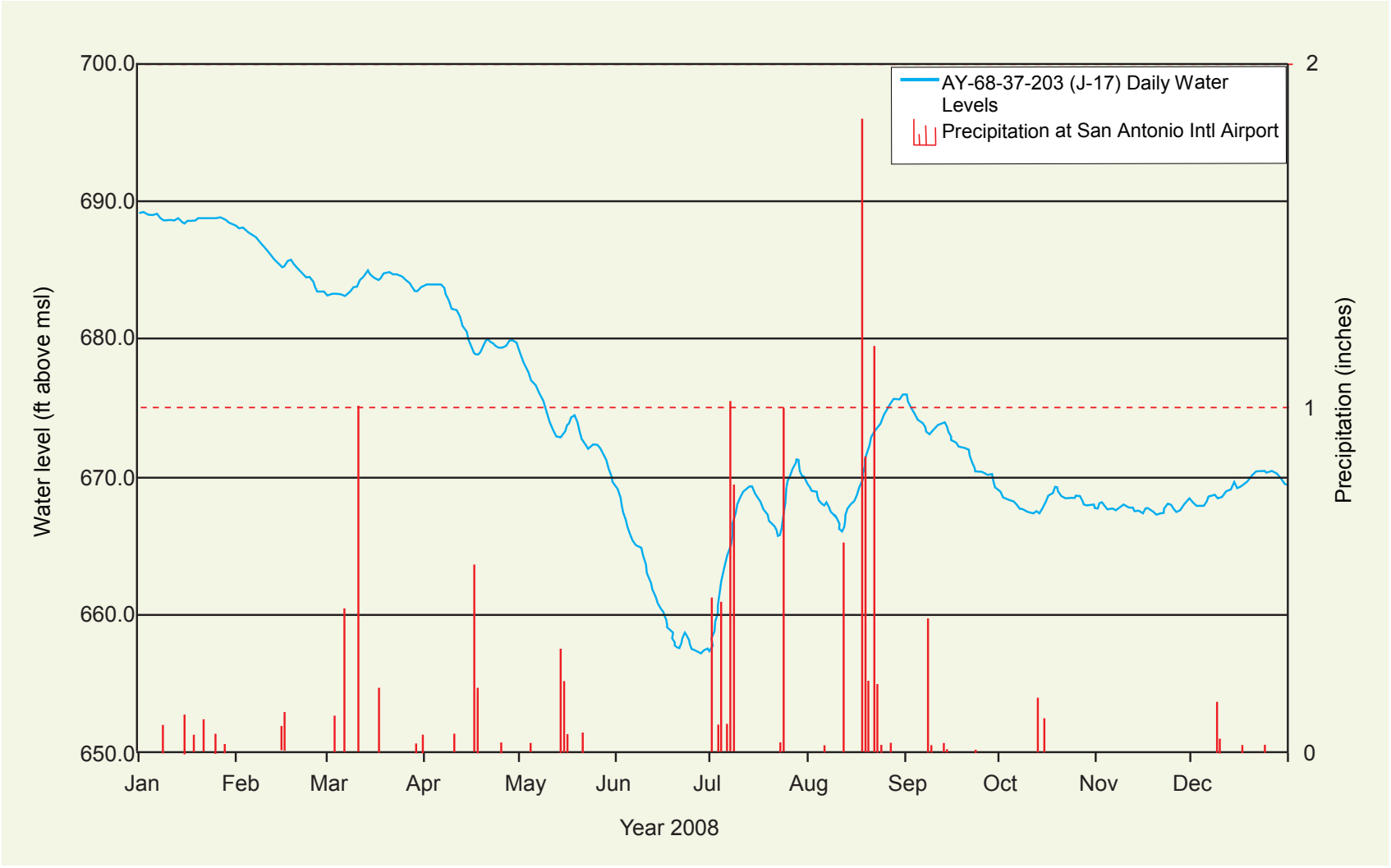


Figure B-2. City of Hondo Well (TD-69-47-306)
Hydrograph of Groundwater Elevation vs. Precipitation at Hondo

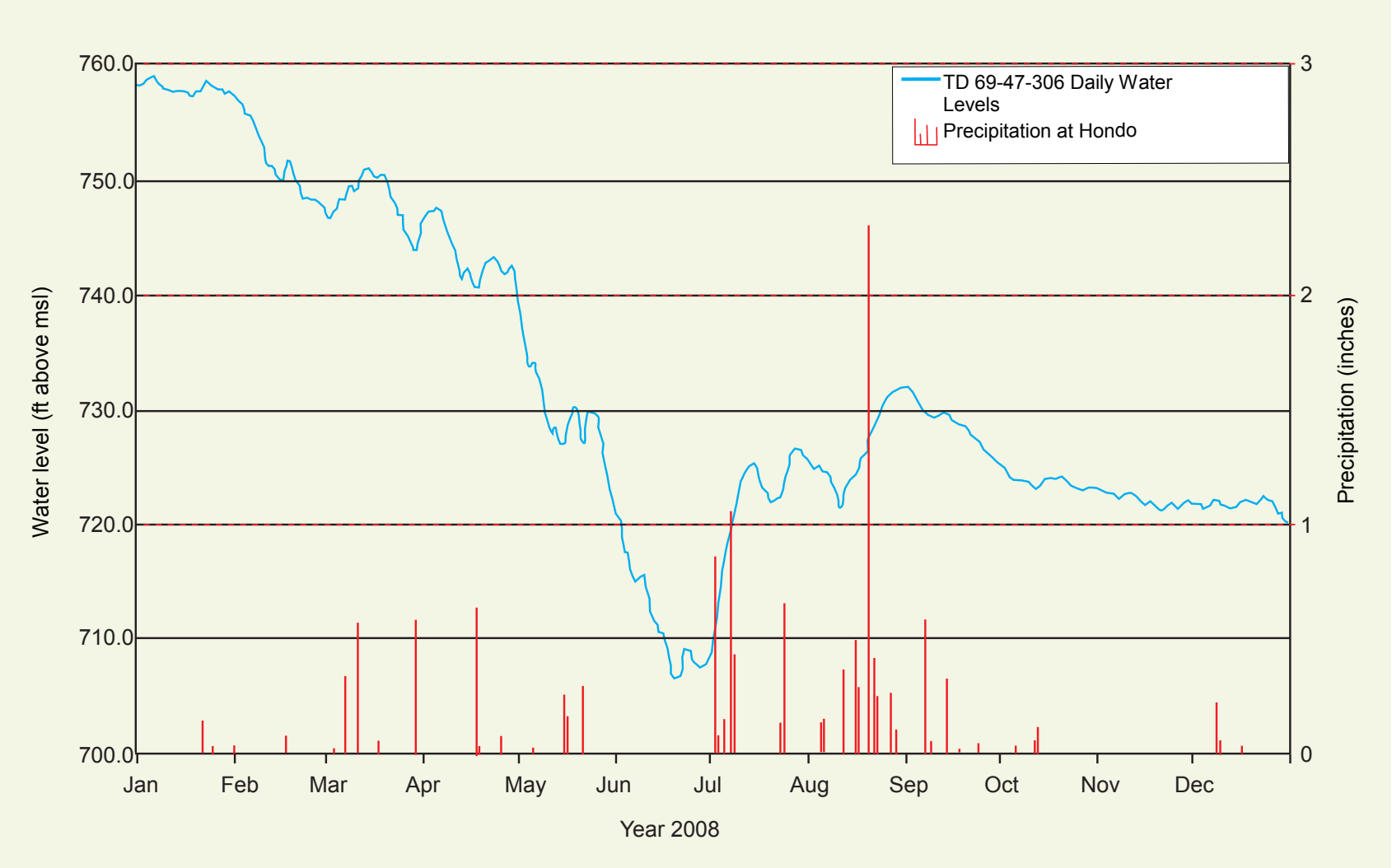


Figure B-3. City of Uvalde Index Well J-27 (YP-69-50-302)
Hydrograph of Groundwater Elevation vs. Precipitation at Uvalde

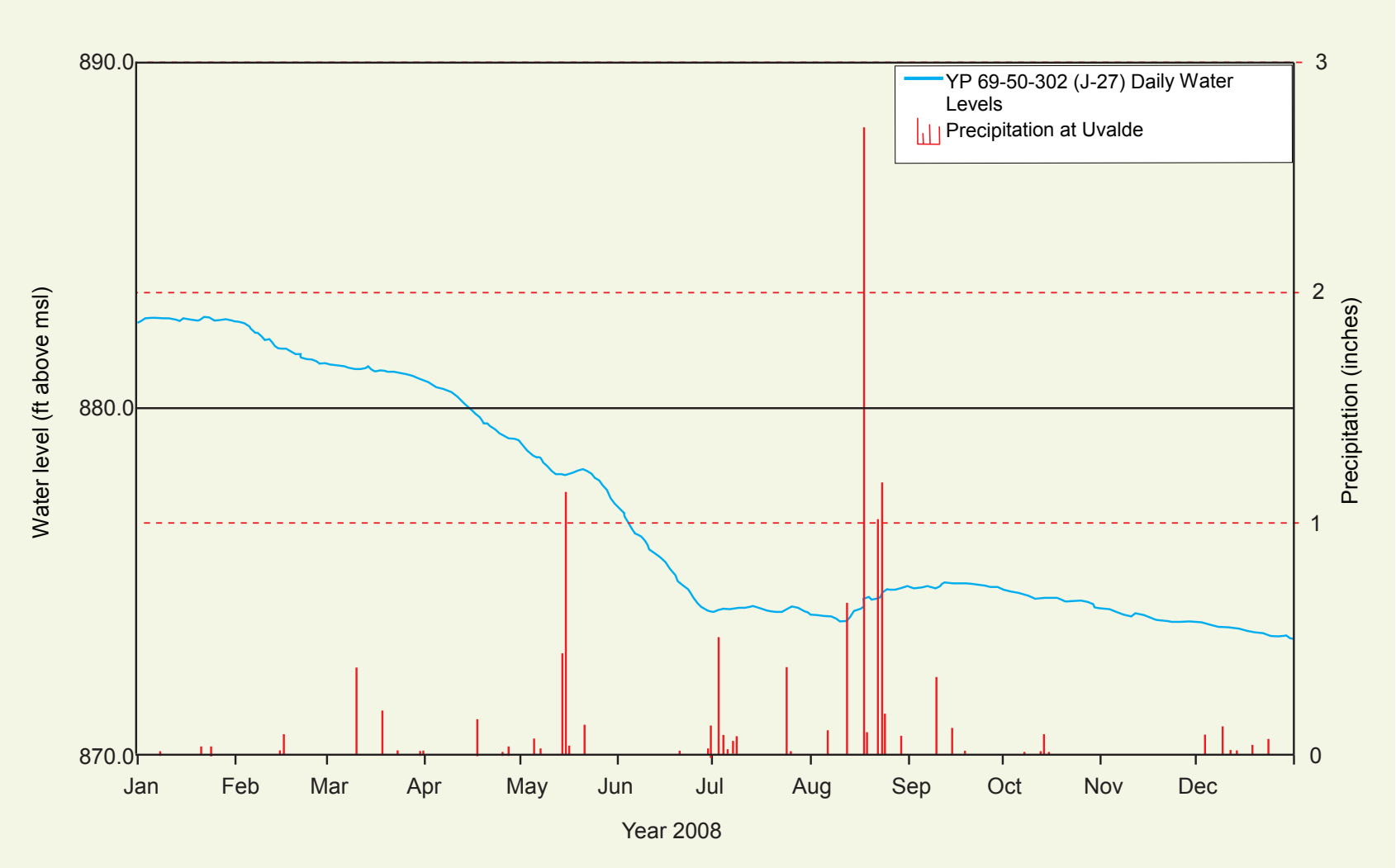


Figure B-4. Comal Springflow Hydrograph of
Springflow vs. Precipitation at San Antonio International Airport

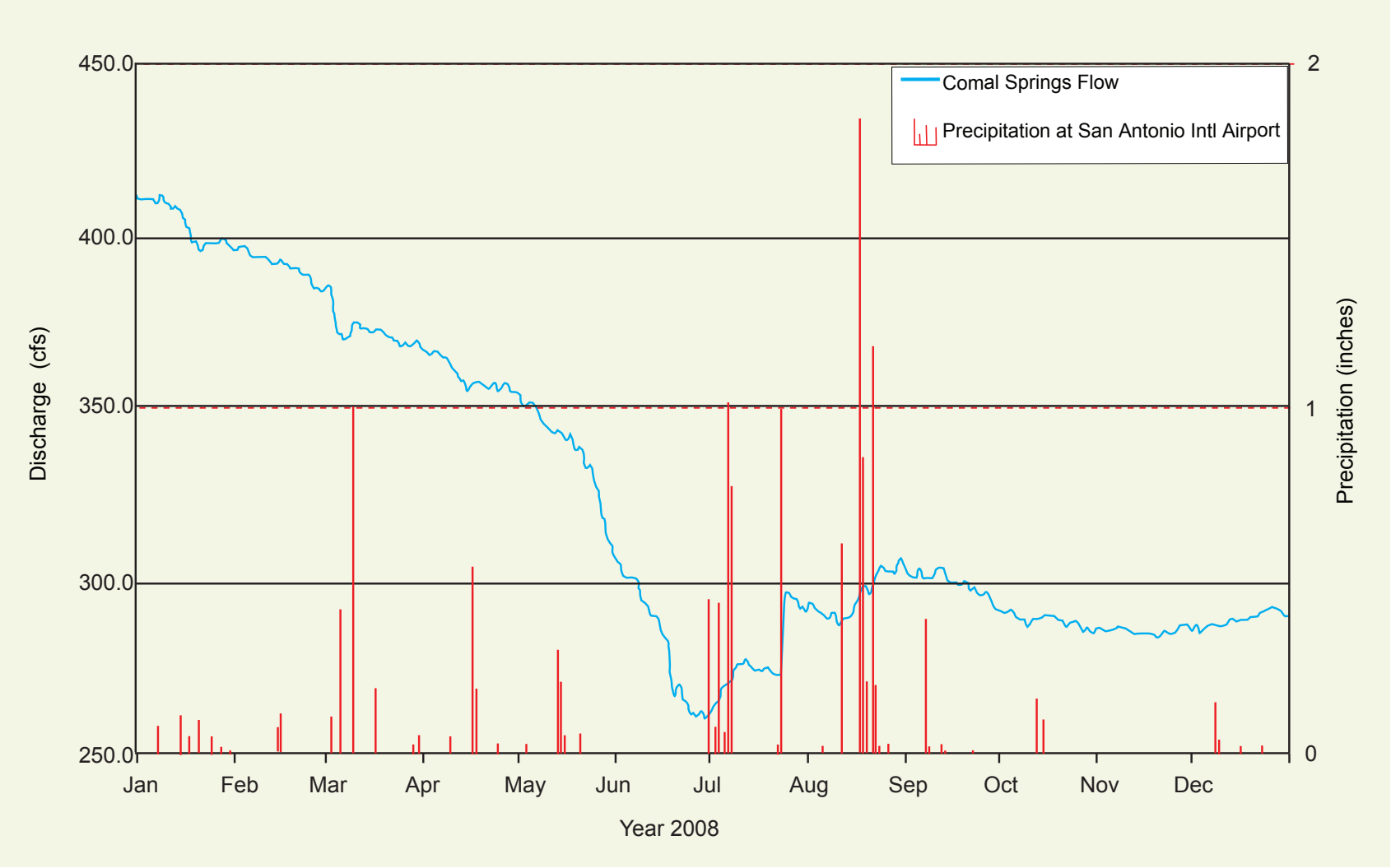
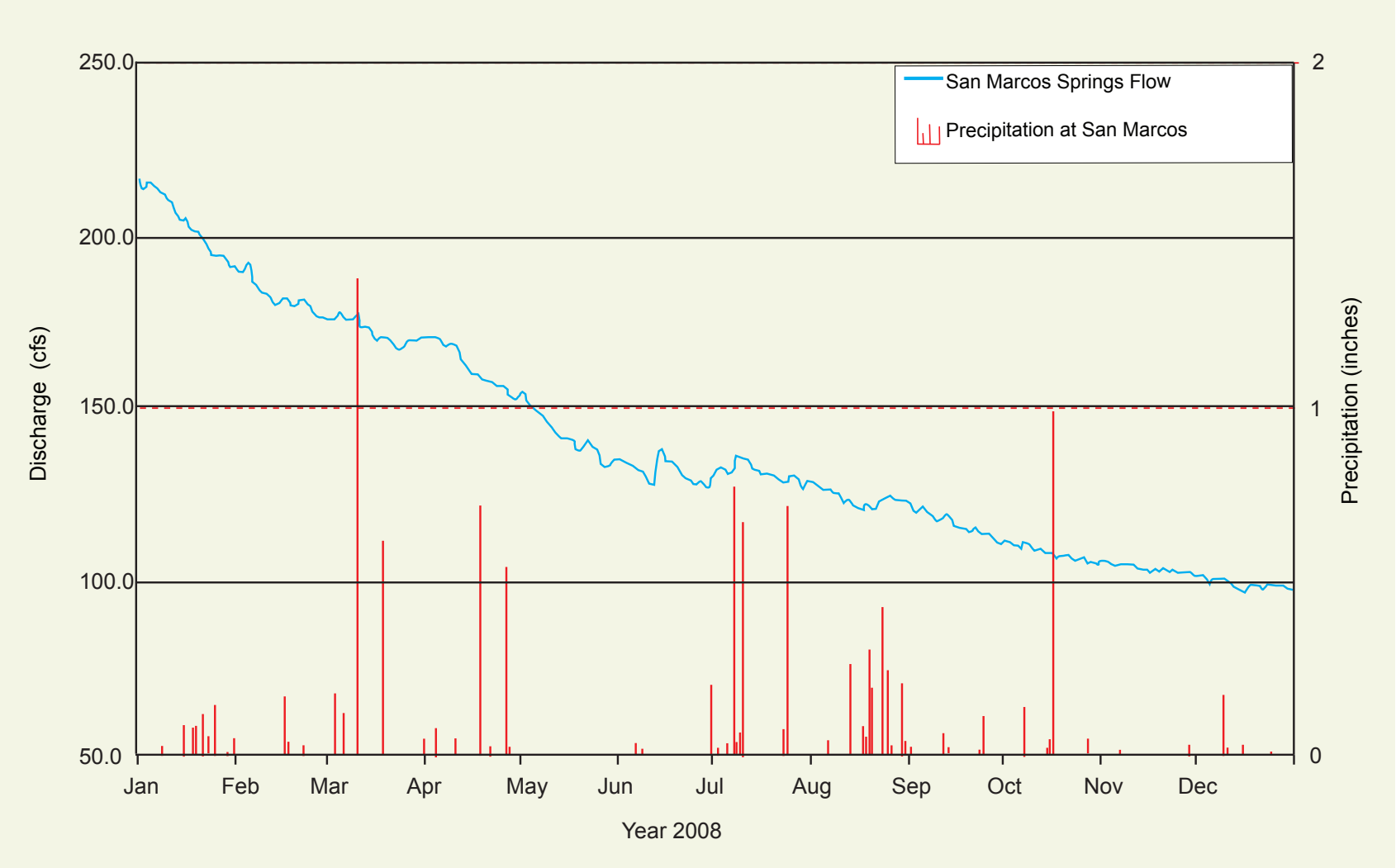


Figure B-5. San Marcos Springflow Hydrograph of Springflow vs. Precipitation at San Marcos



APPENDIX C – Year 2007 Water Quality Data

Table C-1. Field measurements and bacteria counts in water samples from wells completed in the Edwards Aquifer, 2008

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Turbidity (NTU)	Field Dissolved Oxygen	Fecal coliform (colonies/ 100ml)	Fecal Strep (colonies/ 100ml)	E. Coli (colonies/ 100mL)
AY-68-27-217	02/20/08	302	0.14	NA	<2	<2	
AY-68-27-610	02/11/08	293	0.14	NA	<2	<2	
AY-68-27-612	01/14/08	283	0.60	NA	NA	NA	
AY-68-28-203	02/25/08	296	0.29	NA	<2	<2	
AY-68-28-205	02/25/08	307	5.06	NA	<2	<2	
AY-68-28-407	02/06/08	272	1.27	NA	<2	<2	
AY-68-28-513	02/25/08	283	0.10	NA	<2	<2	
AY-68-28-514	02/25/08	302	1.02	NA	<2	<2	
AY-68-28-516	02/13/08	323	0.06	NA	<2	<2	
AY-68-28-608 Annular	04/23/08	263	NA	NA	NA	NA	
AY-68-28-608 Annular	05/14/08	266	0.52	NA	NA	NA	
AY-68-28-608 Annular	06/11/08	300	0.62	NA	NA	NA	
AY-68-28-608 Annular	07/16/08	298	2.94	NA	NA	NA	
AY-68-28-608 Annular	10/15/08	NA	1.58	NA	NA	NA	
AY-68-28-608 Annular	11/20/08	282	0.47	NA	NA	NA	
AY-68-28-608 Standpipe	04/23/08	283	NA	NA	NA	NA	
AY-68-28-608 Standpipe	05/14/08	288	1.60	NA	NA	NA	
AY-68-28-608 Standpipe	06/11/08	273	5.11	NA	NA	NA	
AY-68-28-608 Standpipe	07/16/08	278	4.11	NA	NA	NA	
AY-68-28-608 Standpipe	10/15/08	NA	0.80	NA	NA	NA	
AY-68-28-608 Standpipe	11/20/08	292	0.87	NA	NA	NA	
AY-68-28-702	05/12/08	278	1.06	NA	<2	<2	
AY-68-29-109	02/27/08	302	0.09	NA	<2	<2	
AY-68-29-112	01/08/08	367	0.49	NA	NA	NA	
AY-68-29-113	01/10/08	361	0.19	NA	NA	NA	
AY-68-29-214	01/23/08	287	0.10	NA	<2	<2	
AY-68-29-215	02/04/08	275	0.85	NA	<2	<2	
AY-68-29-415	02/27/08	296	1.27	NA	<2	<2	
AY-68-29-418	01/22/08	328	0.25	NA	<2	<2	
AY-68-29-419	02/27/08	286	0.49	NA	<2	<2	
AY-68-36-107	05/12/08	277	0.57	NA	<2	<2	
RP-70-37-8DW	12/17/08	241	NA	NA	NA	NA	
RP-70-45-7FE	12/17/08	286	NA	1.90	NA	NA	
DX-68-22-805	05/12/08	280	0.71	NA	<2	<2	
DX-68-23-203	07/10/08	257	0.19	NA	<2	<2	
DX-68-23-303	07/10/08	246	0.07	NA	<2	<2	
DX-68-23-304	03/12/08	250	0.21	NA	<2	<2	
DX-68-23-504	07/14/08	260	0.17	NA	<2	<2	
DX-68-23-616A	04/02/08	295	0.17	NA	<2	<2	
DX-68-23-616B	04/02/08	252	0.13	NA	<2	<2	
DX-68-23-617	03/31/08	258	1.38	NA	3	<2	
DX-68-23-618	03/31/08	215	0.03	NA	5	<2	
DX-68-23-619A	04/02/08	219	0.11	NA	<2	<2	
DX-68-23-619B	04/02/08	243	0.31	NA	<2	<2	
DX-68-30-221	07/14/08	263	0.15	NA	<2	<2	

Table C-1. (cont.)

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Turbidity (NTU)	Field Dissolved Oxygen	Fecal coliform (colonies/ 100ml)	Fecal Strep (colonies/ 100ml)	E. Coli (colonies/ 100mL)
LR-67-01-813A	04/10/08	389	0.55	NA	<2	<2	
LR-67-01-813B	04/10/08	413	0.22	NA	<2	<2	
LR-67-01-814A	04/09/08	398	0.33	NA	<2	<2	
LR-67-01-814B	04/09/08	397	0.25	NA	<2	<2	
LR-67-01-816	12/09/08	282	0.17	NA	<2	<2	
LR-67-09-101 1	04/23/08	307	NA	NA	NA	NA	
LR-67-09-101 1	05/14/08	280	16.90	NA	NA	NA	
LR-67-09-101 1	06/12/08	286	9.31	NA	NA	NA	
LR-67-09-101 1	07/16/08	288	10.70	NA	NA	NA	
LR-67-09-101 1	08/27/08	280	11.80	NA	NA	NA	
LR-67-09-101 1	10/15/08	NA	5.58	NA	NA	NA	
LR-67-09-101 1	11/20/08	283	13.70	NA	NA	NA	
LR-67-09-101 2	04/23/08	308	NA	NA	NA	NA	
LR-67-09-101 2	05/14/08	286	32.60	NA	NA	NA	
LR-67-09-101 2	06/12/08	288	2.06	NA	NA	NA	
LR-67-09-101 2	07/16/08	290	2.48	NA	NA	NA	
LR-67-09-101 2	08/27/08	297	1.26	NA	NA	NA	
LR-67-09-101 2	10/15/08	NA	22.37	NA	NA	NA	
LR-67-09-101 2	11/20/08	285	42.50	NA	NA	NA	
LR-67-09-1AA	12/09/08	285	0.16	NA	<2	<2	
LR-67-09-1HB	11/24/08	266	0.56	NR	NA	NA	
LR-67-09-1SM	12/09/08	273	0.16	NA	<2	<2	
LR-68-16-603	12/09/08	257	0.18	NA	<2	<2	
Mr. Greg Hall	01/17/08	361	0.30	NA	<2	<2	<2
AY-68-27-5PH	01/16/08	241	2.68	NA	<2	<2	<2
AY-68-27-5RM	01/16/08	237	0.23	NA	<2	<2	<2
AY-68-27-704	01/17/08	273	6.17	NA	<2	<2	<2
AY-68-27-8SM	01/16/08	271	22	NA	<2	<2	<2
AY-68-27-9MT	01/18/08	NA	NA	NA	<2	2	<2
AY-68-27-5LG	01/17/08	NA	0.18	NA	<2	<2	<2
AY-68-27-405	01/16/08	262	1.34	NA	<2	<2	<2
AY-68-27-5VR	01/16/08	248	1.25	NA	<2	<2	<2
RP-70-37-706	12/17/08	202	0.22	3.17	NA	NA	
RP-70-45-1DF	12/17/08	232	0.10	NA	NA	NA	
RP-70-45-501	12/17/08	213	0.29	NA	NA	NA	
AY-68-36-7SA	01/29/08	210	3.53	NA	<2	<2	
LR-67-01-7DS	10/02/08	296	NA	NA	<2	<2	
TD-68-33-502	06/23/08	205	0.50	NA	<2	<2	
TD-68-41-102	06/10/08	206	0.75	NA	<2	<2	
TD-68-41-303	06/10/08	206	0.10	NA	<2	<2	
TD-68-41-901	06/10/08	212	1.34	NA	<2	<2	
TD-68-42-506	07/21/08	210	0.54	NA	<2	3	
TD-68-42-806	07/15/08	214	0.45	NA	<2	<2	
TD-68-49-301	07/15/08	204	0.14	NA	<2	<2	
TD-68-49-501	07/21/08	215	0.41	NA	<2	<2	
TD-69-38-906	06/19/08	243	NA	NA	<2	<1	
TD-69-47-303	07/21/08	211	0.74	NA	<2	<2	
TD-69-55-604	06/23/08	192	0.21	NA	<2	<2	
TD-69-63-103	05/29/08	175	0.63	NA	NA	NA	
AY-68-27-5PS	01/17/08	198	0.32	NA	<2	<2	<2
AY-68-27-5VU	01/17/08	213	0.53	NA	<2	<2	<2
YP-69-43-606	07/22/08	214	0.34	NA	NA	NA	
YP-69-45-405	06/19/08	224	NA	NA	<2	6	
YP-69-50-207	07/22/08	216	0.24	NA	NA	NA	
YP-69-51-114	07/22/08	284	0.35	NA	NA	NA	

Table C-2. Analytical data for major ions from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (µg/L)	Total Dissolved Solids (mg/L)
NA	AY-68-29-109	02/27/08	158.0	11.40	22.90	1.25	27.3	9.58	<0.50	NA	392
Bexar	AY-68-27-217	02/20/08	168.0	15.50	14.60	2.14	11.5	8.42	<0.50	11.0	408
Bexar	AY-68-27-610	02/11/08	113.0	9.64	12.00	0.58	18.4	18.80	<0.50	13.0	384
Bexar	AY-68-27-612	01/14/08	186.0	18.00	12.30	1.40	14.7	14.30	<0.50	12.0	336
Bexar	AY-68-28-203	02/25/08	189.0	22.60	12.70	1.82	64.5	17.20	<0.50	13.0	354
Bexar	AY-68-28-205	02/25/08	163.0	9.59	28.50	1.88	32.10	12.00	<0.50	9.9	370
Bexar	AY-68-28-407	02/06/08	115.0	9.60	16.50	0.38	13.80	9.91	<0.50	13.0	416
Bexar	AY-68-28-513	02/25/08	164.0	6.33	16.30	1.77	23.90	10.60	<0.50	10.0	214
Bexar	AY-68-28-514	02/25/08	173.0	11.60	15.90	1.98	27.70	12.90	<0.50	9.5	370
Bexar	AY-68-28-515	02/13/08	169.0	8.54	5.69	0.42	13.90	13.90	<0.50	13.0	388
Bexar	AY-68-28-608 Annular	04/23/08	323.0	10.60	8.07	1.69	18.90	14.40	<0.50	34.0	440
Bexar	AY-68-28-608 Annular	05/14/08	302.0	7.34	4.54	0.50	17.40	14.40	<0.50	34.0	498
Bexar	AY-68-28-608 Annular	06/11/08	87.9	5.00	6.66	1.14	15.40	13.90	0.092J	22.0	426
Bexar	AY-68-28-608 Annular	07/16/08	75.2	4.72	2.49	1.63	16.60	13.20	<0.50	9.6	228
Bexar	AY-68-28-608 Annular	10/15/08	115.0	8.64	5.77	1.05	15.30	14.90	<0.50	13.5	270
Bexar	AY-68-28-608 Annular	11/20/08	108.0	8.03	5.71	1.28	15.40	14.20	0.093J	12.3	356
Bexar	AY-68-28-608 Standpipe	04/23/08	285.0	10.30	17.90	2.25	17.90	33.10	<0.50	28.0	352
Bexar	AY-68-28-608 Standpipe	05/14/08	274.0	7.62	10.50	0.81	16.90	35.00	<0.50	28.0	308
Bexar	AY-68-28-608 Standpipe	06/11/08	172.0	13.50	13.50	1.73	14.90	29.40	0.20J	12.0	358
Bexar	AY-68-28-608 Standpipe	07/16/08	40.2	3.49	4.98	2.22	13.60	26.40	<0.50	5.2	216
Bexar	AY-68-28-608 Standpipe	10/15/08	113.0	8.28	5.65	1.06	14.60	14.20	<0.50	13.5	300
Bexar	AY-68-28-608 Standpipe	11/20/08	108.0	7.79	5.57	1.36	13.00	11.90	0.079J	12.7	116
Bexar	AY-68-28-702	05/12/08	233.0	8.22	14.60	0.89	16.40	28.30	<0.50	28.0	404
Bexar	AY-68-29-112	01/08/08	277.0	62.50	22.50	1.73	73.60	16.60	<0.50	13.0	274
Bexar	AY-68-29-113	01/10/08	267.0	22.30	14.90	1.53	22.20	15.10	<0.50	13.0	306
Bexar	AY-68-29-214	01/23/08	204.0	12.80	15.40	1.57	10.80	100.00	<0.50	9.4	468
Bexar	AY-68-29-215	02/04/08	124.0	7.34	23.00	0.51	9.31	11.70	<0.50	11.0	374
Bexar	AY-68-29-415	02/27/08	145.0	9.43	27.20	2.03	19.10	16.70	<0.50	10.0	316

Table C-2. (cont.) Analytical data for major ions from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (µg/L)	Total Dissolved Solids (mg/L)
Bexar	AY-68-29-418	01/22/08	262	24.9	21.3	1.74	26.5	13.9	<0.50	11.0	392
Bexar	AY-68-29-419	02/27/08	154	9.26	21.9	1.87	21.1	17.0	<0.50	11.0	404
Bexar	AY-68-36-107	05/12/08	244	9.17	13.6	1.15	16.4	28.3	<0.50	32.0	374
Bexar	AY-68-27-401	01/16/08	153	12.8	15.7	1.10	11.2	13.2	<0.50	8.4	422
Bexar	AY-68-27-704	01/16/08	155	15.7	27.5	2.12	11.4	9.75	<0.50	8.5	402
Bexar	AY-68-27-8KL	01/18/08	301	67.3	26.0	3.74	48.1	46.6	<0.50	14.0	442
Bexar	AY-68-27-5LG	01/17/08	171	21.9	25.6	1.83	17.8	30.5	<0.50	8.2	346
Bexar	AY-68-27-9MT	01/18/08	147	19.9	22.9	1.93	19.2	36.8	<0.50	7.7	432
Bexar	AY-68-27-5PS	01/17/08	115	13.5	19.4	1.58	9.8	16.9	<0.50	7.1	314
Bexar	AY-68-27-5PH	01/16/08	145	16.6	19.4	1.24	16.1	20.5	<0.50	9.1	412
Bexar	AY-68-27-7PJ	01/16/08	285	64.1	14.4	2.34	53.0	47.2	<0.50	23.0	366
Bexar	AY-68-27-5RM	01/16/08	159	19.0	23.0	1.74	16.5	25.2	<0.50	7.8	354
Bexar	AY-68-36-7SA	01/29/08	135	22.8	31.5	1.82	21.6	17.1	<0.50	12.0	432
Bexar	AY-68-27-8SM	01/16/08	163	19.0	25.6	1.78	14.0	20.8	<0.50	11.0	386
Bexar	AY-68-27-405	01/16/08	150	13.8	16.5	1.10	17.1	13.1	<0.50	9.4	384
Bexar	AY-68-27-5VR	01/16/08	148	15.0	20.1	1.46	14.1	16.3	<0.50	9.0	308
Bexar	AY-68-27-5VU	01/17/08	119	15.4	20.5	1.65	13.5	25.5	<0.50	6.8	312
Comal	DX-68-22-805	05/12/08	244	5.6	12.2	0.38	12.7	11.0	<0.50	28.0	452
Comal	DX-68-23-203	07/10/08	*94.2	*10.4	*17.6	*1.50	*11.9	*13.0	*<0.50	*17.0	*356
Comal	DX-68-23-303	07/10/08	*991	*7.0	*10.8	*0.70	*16.9	*35.6	*<0.50	*16.0	*1235
Comal	DX-68-23-304	03/12/08	114	31.4	46.0	1.25	17.4	25.4	<0.50	11.0	428
Comal	DX-68-23-504	07/14/08	*98.5	*9.4	*15.6	*1.50	*15.4	*24.0	*<0.50	*15.0	*351
Comal	DX-68-23-616A	04/02/08	242	311.0	140.0	20.80	244.0	263.0	3.29	9.3	448
Comal	DX-68-23-616B	04/02/08	377	666.0	223.0	40.70	522.0	480.0	3.03	9.5	444
Comal	DX-68-23-617	03/31/08	134	22.1	62.4	2.58	15.1	43.3	0.756	9.8	356
Comal	DX-68-23-618	03/31/08	122	65.9	74.4	5.84	46.5	61.6	2.52	11.0	324
Comal	DX-68-23-619A	04/02/08	150	24.1	54.9	2.34	15.8	37.3	1.88	8.2	354
Comal	DX-68-23-619B	04/02/08	112	31.3	64.5	2.96	21.2	41.1	1.92	9.4	348
Comal	DX-68-30-221	07/14/08	*119	*10.4	*10.2	*1.80	*11.6	*15.5	*<0.50	*17.0	*381

Table C-2. (cont.) Analytical data for major ions from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (µg/L)	Total Dissolved Solids (mg/L)
Comal	DX-68-30-225	05/12/08	267	8.62	9.80	0.820	16.3	14.	<0.50	31.0	414
Hays	LR-67-01-7DS	10/02/08	97.9	7.07	13.5	0.633	10.1	10.7	0.15J	12.4	360
Hays	LR-67-01-805	12/09/08	99.4	11.3	18.0	1.70	18.0	28.1	<0.50	13.1	474
Hays	LR-67-01-812	04/09/08	1080.0	2510.0	536.0	105.0	4220.0	2750.0	<0.50	14.0	12600
Hays	LR-67-01-813A	04/10/08	1050.0	2460.0	510.0	99.2	4110.0	2650.0	<0.50	13.0	12100
Hays	LR-67-01-813B	04/10/08	1090.0	2490.0	533.0	105.0	3930.0	2520.0	<0.50	13.0	12400
Hays	LR-67-01-814A	04/09/08	947.0	2210.0	494.0	96.6	4110.0	2610.0	<0.50	14.0	12300
Hays	LR-67-01-814B	04/09/08	1080.0	2530.0	536.0	105.0	4100.0	2710.0	2.79	13.0	12300
Hays	LR-67-01-816	12/09/08	97.9	12.5	17.2	1.38	21.0	31.7	<0.50	12.6	486
Hays	LR-67-09-101 1	04/23/08	319.0	20.6	26.2	4.45	33.4	39.2	<0.50	34.0	410
Hays	LR-67-09-101 1	05/14/08	283.0	14.6	13.2	1.77	31.6	40.2	<0.50	32.0	594
Hays	LR-67-09-101 1	06/11/08	38.6	13.9	22.1	3.08	30.8	37.6	<0.50	20.0	NA
Hays	LR-67-09-101 1	07/16/08	45.2	8.45	6.93	3.93	29.6	38.9	<0.50	5.9	296
Hays	LR-67-09-101 1	08/27/08	119.0	16.4	14.4	2.25	30.7	40.3	0.21J	13.6	414
Hays	LR-67-09-101 1	10/15/08	110.0	16.8	14.5	2.38	28.4	39.7	<0.50	12.8	330
Hays	LR-67-09-101 1	11/20/08	103.0	16.2	14.0	2.28	29.6	38.9	0.20J	11.7	464
Hays	LR-67-09-101 2	04/23/08	284.0	19.3	24.7	3.93	33.8	40.6	<0.50	30.0	372
Hays	LR-67-09-101 2	05/14/08	285.0	15.0	13.7	1.83	31.5	40.1	<0.50	31.0	332
Hays	LR-67-09-101 2	06/11/08	44.7	15.7	20.2	3.12	30.7	39.0	<0.50	20.0	NA
Hays	LR-67-09-101 2	07/16/08	95.1	11.40	9.20	3.89	29.7	39.0	<0.50	13.0	376
Hays	LR-67-09-101 2	08/27/08	118.0	16.4	14.5	2.15	29.8	39.4	0.20J	13.5	438
Hays	LR-67-09-101 2	10/15/08	107.0	16.5	14.2	2.28	28.3	39.7	<0.50	12.7	360
Hays	LR-67-09-101 2	11/20/08	105.0	16.4	14.5	2.56	29.9	39.4	0.20J	12.2	406
Hays	LR-67-09-1AA	12/09/08	92.7	7.30	17.3	1.32	11.6	25.6	<0.50	12.6	438
Hays	LR-67-09-1HB	11/24/08	87.5	6.34	16.2	0.710	10.3	18.4	0.17J	11.7	294
Hays	LR-67-09-1SM	12/09/08	99.2	16.6	17.7	1.69	28.3	43.2	<0.50	12.8	328
Hays	LR-68-16-603	12/09/08	62.1	8.26	12.0	1.37	20.3	32.2	<0.50	8.46	328
Kinney	RP-70-37-8DW	12/17/08	99.5	5.80	2.88	0.840	8.04	5.92	<0.50	12.7	247
Kinney	RP-70-45-7FE	12/17/08	745.0	79.0	158.0	13.0	17.2	2490.0	2.46	19.7	307

Table C-2. (cont.) Analytical data for major ions from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (µg/L)	Total Dissolved Solids (mg/L)
Kinney	RP-70-45-1BJ	12/17/08	15.5	1.41	1.25	0.272	6.72	9.64	<0.50	3.41J	233
Kinney	RP-70-37-706	12/17/08	74.9	5.83	5.54	0.735	7.54	10.2	0.040J	12.6	220
Kinney	RP-70-45-1DF	12/17/08	98.9	6.09	4.73	0.878	7.81	6.76	<0.50	14.4	247
Medina	TD-68-33-502	06/23/08	*66.0	*7.42	*16.1	*1.06	*10.2	*42.8	*<0.5	*15.0	*265
Medina	TD-68-41-102	06/10/08	*86.0	*10.0	*14.0	*<0.50	*19.7	*15.4	*<0.5	*18.0	*302
Medina	TD-68-41-303	06/10/08	*88.5	*8.5	*13.6	*1.35	*22.6	*15.1	*<0.5	*20.0	*321
Medina	TD-68-41-901	06/10/08	*88.5	*6.2	*10.7	*1.48	*17.9	*15.3	*<0.5	*19.0	*316
Medina	TD-68-42-506	07/21/08	*76.8	*9.7	*15.7	*1.50	*22.2	*14.5	*<0.5	*13.0	*288
Medina	TD-68-42-806	07/15/08	*61.9	*8.8	*15.8	*1.00	*20.4	*17.9	*<0.5	*18.0	*258
Medina	TD-68-49-301	07/15/08	*63.2	*8.3	*18.3	*1.00	*17.5	*22.1	*<0.5	*17.0	*293
Medina	TD-68-49-501	07/21/08	*76.9	*9.7	*15.7	*1.20	*24.1	*19.0	*<0.5	*13.0	*301
Medina	TD-69-38-906	06/19/08	*79.0	*9.74	*12.1	*1.10	*11.3	*12.2	*<0.5	*16.0	*281
Medina	TD-69-47-303	07/21/08	*66.5	*7.82	*15.7	*1.03	*12.2	*16.2	*<0.5	*12.5	*279
Medina	TD-69-55-604	06/23/08	*88.0	*12.3	*14.5	*0.86	*24.6	*16.3	*<0.5	*16.0	*316
Medina	TD-69-63-103	05/29/08	*74.9	*32.0	*22.0	*1.35	*17.4	*81.2	*<0.5	*19.0	*415
Uvalde	YP-69-43-606	07/22/08	*78.2	*11.2	*10.0	*0.97	*19.6	*12.8	*<0.5	*12.7	*283
Uvalde	YP-69-45-405	06/19/08	*78.1	*8.12	*13.0	*0.86	*11.3	*18.6	*<0.5	*8.2	*267
Uvalde	YP-69-50-207	07/22/08	*83.7	*13.0	*9.71	*0.98	*22.5	*14.7	*<0.5	*13.1	*284
Uvalde	YP-69-51-114	07/22/08	*131.0	*41.7	*14.6	*1.28	*93.1	*60.2	*<0.5	*17.2	*530

* = Sample collected by the Authority and analyzed by the TWDB.
NA = Not Analyzed
J = Concentration less than reporting limit but greater than the method detection limit.

Table C-3. Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Bromide (mg/L)	Cadmium (µg/L)	Chromium (µg/L)
Bexar	AY-68-29-109	02/27/08	<0.22	<0.84	<0.73	46.4	<0.84	NA	0.077	<0.65	<1.17
Bexar	AY-68-27-217	02/20/08	<0.22	0.37J	0.28J	37.9	<0.84	NA	0.0570	<0.65	0.59J
Bexar	AY-68-27-610	02/11/08	0.502	<0.84	0.36J	38.4	<0.84	NA	0.111	0.865	1.00J
Bexar	AY-68-27-612	01/14/08	<0.22	0.32J	0.42J	48.6	<0.84	NA	0.0540	<0.65	0.87J
Bexar	AY-68-28-203	02/25/08	0.226	<0.84	0.50J	59.7	<0.84	NA	0.111	<0.65	1.00J
Bexar	AY-68-28-205	02/25/08	0.381	<0.84	0.46J	39.1	<0.84	NA	0.0570	<0.65	0.68J
Bexar	AY-68-28-407	02/06/08	0.375	<0.84	<0.73	36.4	<0.84	NA	0.0820	<0.65	0.80J
Bexar	AY-68-28-513	02/25/08	<0.22	<0.84	0.60J	37.4	<0.84	NA	0.0620	<0.65	0.61J
Bexar	AY-68-28-514	02/25/08	<0.22	0.29J	0.28J	38.4	<0.84	NA	0.0670	<0.65	<1.17
Bexar	AY-68-28-515	02/13/08	<0.22	<0.84	<0.73	44.0	<0.84	NA	0.132	<0.65	0.97J
Bexar	AY-68-28-608 Annular	04/23/08	<0.22	<0.84	<0.73	55.9	<0.84	NA	0.0920	<0.65	<1.17
Bexar	AY-68-28-608 Annular	05/14/08	0.279	<0.84	0.35J	42.9	<0.84	NA	<0.002	<0.65	0.48J
Bexar	AY-68-28-608 Annular	06/11/08	1.75	<0.84	<0.73	39.5	<0.84	NA	0.0710	1.30	<1.17
Bexar	AY-68-28-608 Annular	07/16/08	9.54	<0.84	<0.73	44.5	<0.84	NA	0.247	<0.65	<1.17
Bexar	AY-68-28-608 Annular	10/15/08	<0.22	<0.84	0.30J	51.3	<0.84	NA	0.340	<0.65	<1.17
Bexar	AY-68-28-608 Annular	11/20/08	0.277	<0.84	0.34J	43.5	<0.84	NA	0.156	<0.65	0.55J
Bexar	AY-68-28-608 Standpipe	04/23/08	<0.22	<0.84	<0.73	51.8	<0.84	NA	0.0870	<0.65	<1.17
Bexar	AY-68-28-608 Standpipe	05/14/08	0.376	<0.84	0.34J	36.3	<0.84	NA	<0.002	<0.65	0.64J
Bexar	AY-68-28-608 Standpipe	06/11/08	0.626	<0.84	<0.73	35.2	<0.84	NA	0.0680	<0.65	0.51J
Bexar	AY-68-28-608 Standpipe	07/16/08	9.45	<0.84	<0.73	37.1	<0.84	NA	0.194	<0.65	<1.17
Bexar	AY-68-28-608 Standpipe	10/15/08	0.549	<0.84	0.39J	53.2	<0.84	NA	0.371	<0.65	0.74J
Bexar	AY-68-28-608 Standpipe	11/20/08	2.00	<0.84	0.39J	42.8	<0.84	NA	0.147	<0.65	0.44J
Bexar	AY-68-28-702	05/12/08	0.472	<0.84	0.30J	34.2	<0.84	NA	0.203	<0.65	0.91J
Bexar	AY-68-29-112	01/08/08	<0.22	0.61J	0.26J	55.5	<0.84	NA	0.0830	<0.65	0.80J
Bexar	AY-68-29-113	01/10/08	0.805	1.08	0.49J	103.0	<0.84	NA	0.0870	<0.65	<1.17

Table C-3. (cont.) Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Bromide (mg/L)	Cadmium (µg/L)	Chromium (µg/L)
Bexar	AY-68-29-214	01/23/08	<0.22	<0.84	0.30J	34.1	<0.84	NA	0.0700	<0.65	1.10J
Bexar	AY-68-29-215	02/04/08	<0.22	<0.84	<0.73	30.5	<0.84	NA	0.062	<0.65	<1.17
Bexar	AY-68-29-415	02/27/08	<0.22	<0.84	0.38J	37.5	<0.84	NA	0.0790	<0.65	1.00J
Bexar	AY-68-29-418	01/22/08	<0.22	<0.84	0.29J	44.6	<0.84	NA	0.104	<0.65	1.74
Bexar	AY-68-29-419	02/27/08	<0.22	<0.84	0.56J	44.0	<0.84	NA	0.0900	<0.65	1.00J
Bexar	AY-68-36-107	05/12/08	0.401	<0.84	<0.73	39.3	<0.84	NA	0.177	<0.65	<1.17
Bexar	AY-68-27-401	01/16/08	<0.22	<0.84	0.27J	29.9	<0.84	NA	0.0320	<0.65	0.66J
Bexar	AY-68-27-704	01/16/08	<0.22	<0.84	<0.73	31.3	<0.84	NA	0.0420	<0.65	<1.17
Bexar	AY-68-27-8KL	01/18/08	<0.22	<0.84	0.42J	44.6	<0.84	NA	0.206	<0.65	<1.17
Bexar	AY-68-27-5LG	01/17/08	<0.22	<0.84	0.32J	34.4	<0.84	NA	0.0420	<0.65	0.42J
Bexar	AY-68-27-9MT	01/18/08	58.2	<0.84	0.36J	30.2	<0.84	NA	0.0910	<0.65	0.85J
Bexar	AY-68-27-5PS	01/17/08	<0.22	<0.84	0.27J	22.4	<0.84	NA	0.0310	<0.65	0.49J
Bexar	AY-68-27-5PH	01/16/08	<0.22	<0.84	0.918	43.1	<0.84	NA	0.0550	<0.65	0.65J
Bexar	AY-68-27-7PJ	01/16/08	<0.22	<0.84	0.45J	109	<0.84	NA	0.309	0.25J	0.89J
Bexar	AY-68-27-5RM	01/16/08	<0.22	<0.84	0.37J	30.6	<0.84	NA	0.0420	<0.65	0.63J
Bexar	AY-68-36-7SA	01/29/08	2.96	0.66J	0.45J	49.2	<0.84	NA	0.0900	<0.65	0.61J
Bexar	AY-68-27-8SM	01/16/08	<0.22	<0.84	<0.73	34.9	<0.84	NA	0.0450	<0.65	0.65J
Bexar	AY-68-27-405	01/16/08	<0.22	<0.84	0.33J	32.5	<0.84	NA	0.0380	<0.65	0.66J
Bexar	AY-68-27-5VR	01/16/08	<0.22	<0.84	0.25J	30.2	<0.84	NA	0.0390	<0.65	0.67J
Bexar	AY-68-27-5VU	01/17/08	0.820	<0.84	0.31J	24.4	<0.84	NA	0.0340	<0.65	1.24
Comal	DX-68-22-805	05/12/08	0.449	<0.84	0.29J	29.0	<0.84	NA	0.154	<0.65	<1.17
Comal	DX-68-23-203	07/10/08	*4.07	*<0.836	*<0.733	*64.8	*<0.835	*60.7	*<0.1	*<0.654	*<1.17
Comal	DX-68-23-303	07/10/08	*4.73	*<0.836	*<0.733	*44.9	*<0.835	*38.4	*<0.1	*<0.654	*<1.17
Comal	DX-68-23-304	03/12/08	<0.22	<0.84	0.36J	80.4	<0.84	NA	0.0770	<0.65	0.79J
Comal	DX-68-23-504	07/14/08	*4.42	*<0.836	*<0.733	*49.7	*<0.835	*53.7	*1.43	*<0.654	*<1.17
Comal	DX-68-23-616A	04/02/08	0.18J	<0.84	<0.73	35.3	<0.84	NA	2.16	<0.65	<1.17

Table C-3. (cont.) Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Bromide (mg/L)	Cadmium (µg/L)	Chromium (µg/L)
Comal	DX-68-23-616B	04/02/08	0.576	<0.84	<0.73	20.0	<0.84	NA	3.22	<0.65	<1.17
Comal	DX-68-23-617	03/31/08	3.49	<0.84	0.47J	120	<0.84	NA	1.47	<0.65	0.47J
Comal	DX-68-23-618	03/31/08	3.50	<0.84	<0.73	35.2	<0.84	NA	1.55	<0.65	0.46J
Comal	DX-68-23-619A	04/02/08	2.06	0.49J	<0.73	225	<0.84	NA	1.47	<0.65	<1.17
Comal	DX-68-23-619B	04/02/08	1.57	0.38J	<0.73	55.7	<0.84	NA	1.46	<0.65	<1.17
Comal	DX-68-30-221	07/14/08	*<0.7	*<0.836	*<0.733	*44.7	*<0.835	*63.8	*1.49	*<0.654	*<1.17
Comal	DX-68-30-225	05/12/08	0.618	<0.84	<0.73	36.4	<0.84	NA	0.215	<0.65	0.68J
Hays	LR-67-01-7DS	10/02/08	0.240	0.46J	0.26J	35.2	<0.84	NA	0.0600	<0.65	0.68J
Hays	LR-67-01-805	12/09/08	<0.22	0.41J	0.53J	98.5	<0.84	NA	0.335	<0.65	<1.17
Hays	LR-67-01-812	04/09/08	3.68	<0.84	0.756	1.50	<0.84	NA	31.1	0.55J	1.28
Hays	LR-67-01-813A	04/10/08	4.33	<0.84	0.860	1.49	<0.84	NA	28.5	<0.65	2.10
Hays	LR-67-01-813B	04/10/08	3.59	<0.84	0.853	0.34J	<0.84	NA	30.0	<0.65	0.79J
Hays	LR-67-01-814A	04/09/08	4.42	0.30J	0.864	1.35	<0.84	NA	29.3	<0.65	1.88
Hays	LR-67-01-814B	04/09/08	0.467	<0.84	0.902	0.729	<0.84	NA	34.4	<0.65	1.00J
Hays	LR-67-01-816	12/09/08	<0.22	0.35J	0.56J	92.2	<0.84	NA	0.353	<0.65	0.41J
Hays	LR-67-09-101 1	04/23/08	0.251	<0.84	<0.73	46.2	<0.84	NA	0.142	<0.65	<1.17
Hays	LR-67-09-101 1	05/14/08	0.974	<0.84	0.39J	41.4	<0.84	NA	<0.002	<0.65	0.77J
Hays	LR-67-09-101 1	06/11/08	1.44	<0.84	<0.73	15.3	<0.84	NA	0.153	<0.65	<1.17
Hays	LR-67-09-101 1	07/16/08	7.23	<0.84	<0.73	42.8	<0.84	NA	0.366	<0.65	<1.17
Hays	LR-67-09-101 1	08/27/08	1.08	1.77	0.48J	43.1	<0.84	NA	<0.002	<0.65	<1.17
Hays	LR-67-09-101 1	10/15/08	16.8	<0.84	0.60J	53.2	<0.84	NA	0.315	<0.65	<1.17
Hays	LR-67-09-101 1	11/20/08	0.344	0.32J	0.39J	41.3	<0.84	NA	0.247	<0.65	0.78J
Hays	LR-67-09-101 2	04/23/08	0.799	<0.84	<0.73	52.3	<0.84	NA	0.146	<0.65	<1.17

Table C-3. (cont.) Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Bromide (mg/L)	Cadmium (µg/L)	Chromium (µg/L)
Hays	LR-67-09-101 2	08/27/08	0.858	2.52	0.48J	41.3	<0.84	NA	<0.002	<0.65	<1.17
Hays	LR-67-09-101 2	10/15/08	5.53	<0.84	0.56J	55.9	<0.84	NA	0.324	0.32J	0.78J
Hays	LR-67-09-101 2	11/20/08	0.180	0.78J	0.46J	43.5	<0.84	NA	0.229	<0.65	0.70J
Hays	LR-67-09-1AA	12/09/08	<0.22	0.30J	0.61J	141	<0.84	NA	0.0470	0.32J	0.57J
Hays	LR-67-09-1HB	11/24/08	4.89	<0.84	0.32J	37.7	<0.84	NA	0.135	<0.65	0.72J
Hays	LR-67-09-1SM	12/09/08	<0.22	0.34J	0.55J	121	<0.84	NA	0.313	0.31J	<1.17
Hays	LR-68-16-603	12/09/08	<0.22	0.34J	0.40J	123	<0.84	NA	0.0760	<0.65	0.56J
Kinney	RP-70-37-8DW	12/17/08	<0.22	1.10	0.52J	69.1	<0.84	NA	0.0470	<0.65	<1.17
Kinney	RP-70-45-7FE	12/17/08	1.67	<0.84	0.28J	3.48	<0.84	NA	2.48	<0.65	0.42J
Kinney	RP-70-45-1BJ	12/17/08	0.720	<0.84	1.12	425	<0.84	NA	0.252	<0.65	<1.17
Kinney	RP-70-37-706	12/17/08	0.508	0.38J	0.795	375	<0.84	NA	0.338	<0.65	<1.17
Kinney	RP-70-45-1DF	12/17/08	<0.22	<0.84	0.911	401	<0.84	NA	0.299	<0.65	<1.17
Medina	TD-68-33-502	06/23/08	*1.19	*<0.836	*<0.733	*31.5	*<0.835	*75.9	*<0.1	*<0.654	*<1.17
Medina	TD-68-41-102	06/10/08	*0.924	*<0.836	*<0.733	*42.6	*<0.835	NA	*<0.1	*<0.654	*<1.17
Medina	TD-68-41-303	06/10/08	*1.55	*<0.836	*<0.733	*79.9	*<0.835	*52.8	*<0.1	*<0.654	*<1.17
Medina	TD-68-41-901	06/10/08	*0.75	*<0.836	*<0.733	*45.7	*<0.835	*56.6	*<0.1	*<0.654	*<1.17
Medina	TD-68-42-506	07/21/08	*2.69	*<0.836	*<0.733	*75.9	*<0.835	*51.7	*<0.1	*<0.654	*<1.17
Medina	TD-68-42-806	07/15/08	*3.03	*<0.836	*0.826	*105	*<0.835	*47.3	*<0.1	*<0.654	*<1.17
Medina	TD-68-49-301	07/15/08	*2.51	*<0.836	*0.79	*189	*<0.835	*46.2	*<0.1	*<0.654	*<1.17
Medina	TD-68-49-501	07/21/08	*1.49	*<0.836	*<0.733	*133	*<0.835	*57.7	*<0.1	*<0.654	*<1.17
Medina	TD-69-38-906	06/19/08	*3.58	*<0.836	*<0.733	NA	*<0.835	*60.2	*<0.1	*<0.654	*<1.17
Medina	TD-69-47-303	07/21/08	*9.47	*<0.836	*<0.733	*47.8	*<0.835	*55.7	*<0.1	*<0.654	*<1.17
Medina	TD-69-55-604	06/23/08	*0.734	*<0.836	*<0.733	*55.8	*<0.835	*94.3	*<0.1	*<0.654	*<1.17
Medina	TD-69-63-103	05/29/08	*<0.7	*<0.836	*<0.733	*109	*<0.835	*80.9	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-43-606	07/22/08	*10.9	*<0.836	*<0.733	*52.2	*<0.835	*67.2	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-45-405	06/19/08	*8.76	*<0.836	*<0.733	*32.8	*<0.835	*59.2	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-50-207	07/22/08	*8.93	*<0.836	*0.764	*52.4	*<0.835	*73.2	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-51-114	07/22/08	*9.35	*<0.836	*<0.733	*116	*<0.835	*161	*<0.1	*<0.654	*<1.17

Table C-3. (cont.) Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Bromide (mg/L)	Cadmium (µg/L)	Chromium (µg/L)
Hays	LR-67-09-101 2	08/27/08	0.858	2.52	0.48J	41.3	<0.84	NA	<0.002	<0.65	<1.17
Hays	LR-67-09-101 2	10/15/08	5.53	<0.84	0.56J	55.9	<0.84	NA	0.324	0.32J	0.78J
Hays	LR-67-09-101 2	11/20/08	0.180	0.78J	0.46J	43.5	<0.84	NA	0.229	<0.65	0.70J
Hays	LR-67-09-1AA	12/09/08	<0.22	0.30J	0.61J	141	<0.84	NA	0.0470	0.32J	0.57J
Hays	LR-67-09-1HB	11/24/08	4.89	<0.84	0.32J	37.7	<0.84	NA	0.135	<0.65	0.72J
Hays	LR-67-09-1SM	12/09/08	<0.22	0.34J	0.55J	121	<0.84	NA	0.313	0.31J	<1.17
Hays	LR-68-16-603	12/09/08	<0.22	0.34J	0.40J	123	<0.84	NA	0.0760	<0.65	0.56J
Kinney	RP-70-37-8DW	12/17/08	<0.22	1.10	0.52J	69.1	<0.84	NA	0.0470	<0.65	<1.17
Kinney	RP-70-45-7FE	12/17/08	1.67	<0.84	0.28J	3.48	<0.84	NA	2.48	<0.65	0.42J
Kinney	RP-70-45-1BJ	12/17/08	0.720	<0.84	1.12	425	<0.84	NA	0.252	<0.65	<1.17
Kinney	RP-70-37-706	12/17/08	0.508	0.38J	0.795	375	<0.84	NA	0.338	<0.65	<1.17
Kinney	RP-70-45-1DF	12/17/08	<0.22	<0.84	0.911	401	<0.84	NA	0.299	<0.65	<1.17
Medina	TD-68-33-502	06/23/08	*1.19	*<0.836	*<0.733	*31.5	*<0.835	*75.9	*<0.1	*<0.654	*<1.17
Medina	TD-68-41-102	06/10/08	*0.924	*<0.836	*<0.733	*42.6	*<0.835	NA	*<0.1	*<0.654	*<1.17
Medina	TD-68-41-303	06/10/08	*1.55	*<0.836	*<0.733	*79.9	*<0.835	*52.8	*<0.1	*<0.654	*<1.17
Medina	TD-68-41-901	06/10/08	*0.75	*<0.836	*<0.733	*45.7	*<0.835	*56.6	*<0.1	*<0.654	*<1.17
Medina	TD-68-42-506	07/21/08	*2.69	*<0.836	*<0.733	*75.9	*<0.835	*51.7	*<0.1	*<0.654	*<1.17
Medina	TD-68-42-806	07/15/08	*3.03	*<0.836	*0.826	*105	*<0.835	*47.3	*<0.1	*<0.654	*<1.17
Medina	TD-68-49-301	07/15/08	*2.51	*<0.836	*0.79	*189	*<0.835	*46.2	*<0.1	*<0.654	*<1.17
Medina	TD-68-49-501	07/21/08	*1.49	*<0.836	*<0.733	*133	*<0.835	*57.7	*<0.1	*<0.654	*<1.17
Medina	TD-69-38-906	06/19/08	*3.58	*<0.836	*<0.733	NA	*<0.835	*60.2	*<0.1	*<0.654	*<1.17
Medina	TD-69-47-303	07/21/08	*9.47	*<0.836	*<0.733	*47.8	*<0.835	*55.7	*<0.1	*<0.654	*<1.17
Medina	TD-69-55-604	06/23/08	*0.734	*<0.836	*<0.733	*55.8	*<0.835	*94.3	*<0.1	*<0.654	*<1.17
Medina	TD-69-63-103	05/29/08	*<0.7	*<0.836	*<0.733	*109	*<0.835	*80.9	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-43-606	07/22/08	*10.9	*<0.836	*<0.733	*52.2	*<0.835	*67.2	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-45-405	06/19/08	*8.76	*<0.836	*<0.733	*32.8	*<0.835	*59.2	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-50-207	07/22/08	*8.93	*<0.836	*0.764	*52.4	*<0.835	*73.2	*<0.1	*<0.654	*<1.17
Uvalde	YP-69-51-114	07/22/08	*9.35	*<0.836	*<0.733	*116	*<0.835	*161	*<0.1	*<0.654	*<1.17

Table C-3. (cont.) Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)
NA	AY-68-29-109	02/27/08	NA	1.81	<0.74	<0.84	NA	<0.14	<1.14	NA	<0.62
Bexar	AY-68-27-217	02/20/08	NA	<0.90	<0.74	<0.84	NA	<0.14	0.43J	NA	0.27J
Bexar	AY-68-27-610	02/11/08	NA	<0.90	0.844	0.84J	NA	0.082J	<1.14	NA	0.45J
Bexar	AY-68-27-612	01/14/08	NA	0.30J	0.26J	<0.84	NA	<0.14	<1.14	NA	0.32J
Bexar	AY-68-28-203	02/25/08	NA	4.32	1.46	0.30J	NA	0.149	<1.14	NA	0.31J
Bexar	AY-68-28-205	02/25/08	NA	2.63	13.8	0.36J	NA	40.6	<1.14	NA	0.25J
Bexar	AY-68-28-407	02/06/08	NA	<0.90	1.38	<0.84	NA	<0.14	<1.14	NA	<0.62
Bexar	AY-68-28-513	02/25/08	NA	1.33	<0.74	<0.84	NA	<0.14	<1.14	NA	<0.62
Bexar	AY-68-28-514	02/25/08	NA	1.65	<0.74	0.32J	NA	<0.14	0.66J	NA	0.25J
Bexar	AY-68-28-515	02/13/08	NA	<0.90	<0.74	<0.84	NA	<0.14	<1.14	NA	0.23J
Bexar	AY-68-28-608 Annular	04/23/08	NA	<0.90	12.9	<0.84	NA	0.448	<1.14	NA	<0.62
Bexar	AY-68-28-608 Annular	05/14/08	NA	<0.90	18.1	<0.84	NA	0.452	<1.14	NA	0.34J
Bexar	AY-68-28-608 Annular	06/11/08	NA	<0.90	11.6	<0.84	NA	0.415	<1.14	NA	<0.62
Bexar	AY-68-28-608 Annular	07/16/08	NA	<0.90	256	<0.84	NA	10.4	<1.14	NA	0.963
Bexar	AY-68-28-608 Annular	10/15/08	NA	<0.90	25.0	<0.84	NA	2.14	<1.14	NA	0.41J
Bexar	AY-68-28-608 Annular	11/20/08	NA	<0.90	58.2	<0.84	NA	0.621	<1.14	NA	0.48J
Bexar	AY-68-28-608 Standpipe	04/23/08	NA	<0.90	10.7	<0.84	NA	0.731	<1.14	NA	0.627
Bexar	AY-68-28-608 Standpipe	05/14/08	NA	<0.90	16.4	<0.84	NA	0.673	<1.14	NA	0.45J
Bexar	AY-68-28-608 Standpipe	06/11/08	NA	<0.90	10.6	<0.84	NA	1.63	<1.14	NA	0.45J
Bexar	AY-68-28-608 Standpipe	07/16/08	NA	<0.90	38.7	<0.84	NA	4.19	<1.14	NA	0.692
Bexar	AY-68-28-608 Standpipe	10/15/08	NA	<0.90	119	<0.84	NA	1.21	<1.14	NA	0.25J
Bexar	AY-68-28-608 Standpipe	11/20/08	NA	0.34J	137	<0.84	NA	0.845	<1.14	NA	0.49J
Bexar	AY-68-28-702	05/12/08	NA	1.10	1.80	<0.84	NA	<0.14	<1.14	NA	<0.62
Bexar	AY-68-29-112	01/08/08	NA	<0.90	1.06	<0.84	NA	0.048J	0.42J	NA	0.42J
Bexar	AY-68-29-113	01/10/08	NA	<0.90	<0.74	0.34J	NA	0.169	1.42	NA	0.632

Table C-3. (cont.) Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)
Comal	DX-68-23-616B	04/02/08	NA	<0.90	20.3	<0.84	NA	3.62	<1.14	NA	<0.62
Comal	DX-68-23-617	03/31/08	NA	<0.90	77.3	0.34J	NA	1.38	<1.14	NA	0.761
Comal	DX-68-23-618	03/31/08	NA	<0.90	33.7	<0.84	NA	2.57	0.51J	NA	<0.62
Comal	DX-68-23-619A	04/02/08	NA	<0.90	4.02	0.63J	NA	3.73	0.59J	NA	0.22J
Comal	DX-68-23-619B	04/02/08	NA	<0.90	153	<0.84	NA	3.94	<1.14	NA	<0.62
Comal	DX-68-30-221	07/14/08	*<0.593	*2.64	*2.12	*<0.843	*7.03	*<0.137	*<1.14	*<0.856	NA
Comal	DX-68-30-225	05/12/08	NA	0.81J	1.88	<0.84	NA	<0.14	<1.14	NA	0.22J
Hays	LR-67-01-7DS	10/02/08	NA	3.17	1.15	0.51J	NA	<0.14	0.620	NA	<0.62
Hays	LR-67-01-805	12/09/08	NA	2.93	5.34	1.64	NA	<0.14	0.52J	NA	0.35J
Hays	LR-67-01-812	04/09/08	NA	<0.90	0.756	0.62J	NA	4.12	0.65J	NA	<0.62
Hays	LR-67-01-813A	04/10/08	NA	<0.90	0.42J	<0.84	NA	5.71	0.86J	NA	0.25J
Hays	LR-67-01-813B	04/10/08	NA	<0.90	<0.74	<0.84	NA	2.30	<1.14	NA	<0.62
Hays	LR-67-01-814A	04/09/08	NA	<0.90	3.19	0.29J	NA	2.16	1.10J	NA	0.28J
Hays	LR-67-01-814B	04/09/08	NA	<0.90	<0.74	<0.84	NA	1.63	0.93J	NA	<0.62
Hays	LR-67-01-816	12/09/08	NA	1.70	4.29	1.96	NA	<0.14	<1.14	NA	0.24J
Hays	LR-67-09-101 1	04/23/08	NA	<0.90	<0.74	<0.84	NA	0.663	<1.14	NA	<0.62
Hays	LR-67-09-101 1	05/14/08	NA	0.33J	12.6	<0.84	NA	2.78	<1.14	NA	0.718
Hays	LR-67-09-101 1	06/11/08	NA	<0.90	2.02	<0.84	NA	<0.14	<1.14	NA	<0.62
Hays	LR-67-09-101 1	07/16/08	NA	<0.90	4.29	<0.84	NA	2.23	<1.14	NA	<0.62
Hays	LR-67-09-101 1	08/27/08	NA	0.33J	2.75	<0.84	NA	1.69	<1.14	NA	0.694
Hays	LR-67-09-101 1	10/15/08	NA	0.50J	207	1.35	NA	7.73	<1.14	NA	0.60J
Hays	LR-67-09-101 1	11/20/08	NA	0.36J	5.55	<0.84	NA	2.14	<1.14	NA	0.812
Hays	LR-67-09-101 2	04/23/08	NA	<0.90	2.12	<0.84	NA	0.399	<1.14	NA	<0.62
Hays	LR-67-09-101 2	05/14/08	NA	<0.90	4.79	<0.84	NA	0.549	<1.14	NA	0.637
Hays	LR-67-09-101 2	06/11/08	NA	<0.90	<0.74	<0.84	NA	<0.14	<1.14	NA	<0.62
Hays	LR-67-09-101 2	07/16/08	NA	<0.90	3.54	<0.84	NA	0.360	<1.14	NA	<0.62

Table C-3. (cont.) Analytical data for metals from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)
Hays	LR-67-09-101 2	08/27/08	NA	<0.90	2.07	<0.84	NA	0.427	<1.14	NA	0.38J
Hays	LR-67-09-101 2	10/15/08	NA	0.37J	8.36	<0.84	NA	0.337	<1.14	NA	0.36J
Hays	LR-67-09-101 2	11/20/08	NA	0.42J	6.07	<0.84	NA	2.15	0.54J	NA	0.694
Hays	LR-67-09-1AA	12/09/08	NA	2.98	9.87	3.61	NA	<0.14	0.85J	NA	0.60J
Hays	LR-67-09-1HB	11/24/08	NA	2.07	6.22	<0.84	NA	0.155	<1.14	NA	0.25J
Hays	LR-67-09-1SM	12/09/08	NA	1.62	10.7	2.11	NA	<0.14	<1.14	NA	0.25J
Hays	LR-68-16-603	12/09/08	NA	1.92	2.85	2.07	NA	<0.14	0.45J	NA	<0.62
Kinney	RP-70-37-8DW	12/17/08	NA	10.1	0.761	0.32J	NA	1.89	0.39J	NA	0.965
Kinney	RP-70-45-7FE	12/17/08	NA	<0.90	17.0	0.888	NA	5.04	<1.14	NA	<0.62
Kinney	RP-70-45-1BJ	12/17/08	NA	<0.90	87.8	0.41J	NA	2.32	<1.14	NA	<0.62
Kinney	RP-70-37-706	12/17/08	NA	1.76	1.48	<0.84	NA	0.712	<1.14	NA	0.970
Kinney	RP-70-45-1DF	12/17/08	NA	1.30	<0.74	1.13	NA	0.420	<1.14	NA	0.24J
Medina	TD-68-33-502	06/23/08	*<0.593	*1.68	*2.84	*<0.843	*3.34	*<0.137	*<1.14	*<0.856	NA
Medina	TD-68-41-102	06/10/08	*<0.593	*<0.904	*<0.739	*<0.843	*3.39	*<0.137	*<1.14	*<0.856	NA
Medina	TD-68-41-303	06/10/08	*<0.593	*2.45	*0.854	*3.21	NA	*0.138	*<1.14	*<0.856	NA
Medina	TD-68-41-901	06/10/08	*<0.593	*4.34	*<0.739	*<0.843	NA	*<0.137	*<1.14	*<0.856	NA
Medina	TD-68-42-506	07/21/08	*<0.593	*1.59	*3.63	*<0.843	*8.03	*0.163	*<1.14	*<0.856	NA
Medina	TD-68-42-806	07/15/08	*<0.593	*3.75	*4.59	*<0.843	*10.2	*0.474	*<1.14	*47.5	NA
Medina	TD-68-49-301	07/15/08	*<0.593	*2.28	*2.72	*<0.843	NA	*0.176	*<1.14	*10.2	NA
Medina	TD-68-49-501	07/21/08	*<0.593	*4.32	*1.49	*<0.843	*10.4	*<0.137	*<1.14	*0.986	NA
Medina	TD-69-38-906	06/19/08	*<0.593	*3.26	*9.86	*1.05	NA	*0.351	*<1.14	*<0.856	NA
Medina	TD-69-47-303	07/21/08	*<0.593	*3.84	*4.38	*0.904	*7.1	*0.199	*<1.14	*0.977	NA
Medina	TD-69-55-604	06/23/08	*<0.593	*1.53	*<0.739	*<0.843	NA	*<0.137	*<1.14	*<0.856	NA
Medina	TD-69-63-103	05/29/08	*<0.593	*<0.904	*514	*<0.843	*24.2	*17.5	*<1.14	*2.99	NA
Uvalde	YP-69-43-606	07/22/08	*<0.593	*3.16	*8.25	*<0.843	*6.22	*0.197	*<1.14	*<0.856	NA
Uvalde	YP-69-45-405	06/19/08	*<0.593	*1.66	*18.5	*<0.843	NA	*0.454	*<1.14	*<0.856	NA
Uvalde	YP-69-50-207	07/22/08	*<0.593	*1.53	*2.12	*<0.843	*6.79	*0.187	*<1.14	*<0.856	NA
Uvalde	YP-69-51-114	07/22/08	*<0.593	*1.28	*3.64	*<0.843	*21.3	*0.338	*<1.14	*2.27	NA

* = Sample collected by the Authority and analyzed by the TWDB.
NA = Not Analyzed
J = Concentration less than reporting limit but greater than the method detection limit.

Table C-4. Analytical data for nutrients from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Nitrate-N (mg/L)
NA	AY-68-29-109	02/27/08	2.200
Bexar	AY-68-27-217	02/20/08	1.580
Bexar	AY-68-27-610	02/11/08	2.950
Bexar	AY-68-27-612	01/14/08	2.130
Bexar	AY-68-28-203	02/25/08	2.700
Bexar	AY-68-28-205	02/25/08	1.260
Bexar	AY-68-28-407	02/06/08	1.390
Bexar	AY-68-28-513	02/25/08	1.570
Bexar	AY-68-28-514	02/25/08	1.670
Bexar	AY-68-28-515	02/13/08	1.680
Bexar	AY-68-28-608 Annular	04/23/08	2.000
Bexar	AY-68-28-608 Annular	05/14/08	1.810
Bexar	AY-68-28-608 Annular	06/11/08	1.820
Bexar	AY-68-28-608 Annular	07/16/08	0.244
Bexar	AY-68-28-608 Annular	10/15/08	2.250
Bexar	AY-68-28-608 Annular	11/20/08	<0.150
Bexar	AY-68-28-608 Standpipe	04/23/08	1.850
Bexar	AY-68-28-608 Standpipe	05/14/08	1.590
Bexar	AY-68-28-608 Standpipe	06/11/08	1.690
Bexar	AY-68-28-608 Standpipe	07/16/08	1.500
Bexar	AY-68-28-608 Standpipe	10/15/08	2.300
Bexar	AY-68-28-608 Standpipe	11/20/08	<0.150
Bexar	AY-68-28-702	05/12/08	1.340
Bexar	AY-68-29-112	01/08/08	2.730
Bexar	AY-68-29-113	01/10/08	0.737
Bexar	AY-68-29-214	01/23/08	1.780
Bexar	AY-68-29-215	02/04/08	1.710
Bexar	AY-68-29-415	02/27/08	1.990
Bexar	AY-68-29-418	01/22/08	2.370
Bexar	AY-68-29-419	02/27/08	1.920
Bexar	AY-68-36-107	05/12/08	1.700
Bexar	AY-68-27-401	01/16/08	0.900
Bexar	AY-68-27-704	01/16/08	<0.150
Bexar	AY-68-27-8KL	01/18/08	2.210
Bexar	AY-68-27-5LG	01/17/08	1.400
Bexar	AY-68-27-9MT	01/18/08	0.968
Bexar	AY-68-27-5PS	01/17/08	1.050
Bexar	AY-68-27-5PH	01/16/08	0.791
Bexar	AY-68-27-7PJ	01/16/08	7.880
Bexar	AY-68-27-5RM	01/16/08	1.270
Bexar	AY-68-36-7SA	01/29/08	2.390
Bexar	AY-68-27-8SM	01/16/08	1.790
Bexar	AY-68-27-405	01/16/08	1.390
Bexar	AY-68-27-5VR	01/16/08	1.540
Bexar	AY-68-27-5VU	01/17/08	1.740
Comal	DX-68-22-805	05/12/08	0.996
Comal	DX-68-23-203	07/10/08	*2.320
Comal	DX-68-23-303	07/10/08	*2.030
Comal	DX-68-23-304	03/12/08	1.320

Table C-4. (cont.) Analytical data for nutrients from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Nitrate-N (mg/L)
Comal	DX-68-23-504	07/14/08	*1.830
Comal	DX-68-23-616A	04/02/08	<0.150
Comal	DX-68-23-616B	04/02/08	<0.150
Comal	DX-68-23-617	03/31/08	0.481
Comal	DX-68-23-618	03/31/08	<0.150
Comal	DX-68-23-619A	04/02/08	0.459
Comal	DX-68-23-619B	04/02/08	<0.150
Comal	DX-68-30-221	07/14/08	*4.230
Comal	DX-68-30-225	05/12/08	1.970
Hays	LR-67-01-7DS	10/02/08	1.220
Hays	LR-67-01-805	12/09/08	0.902
Hays	LR-67-01-812	04/09/08	<0.150
Hays	LR-67-01-813A	04/10/08	<0.150
Hays	LR-67-01-813B	04/10/08	<0.150
Hays	LR-67-01-814A	04/09/08	0.32J
Hays	LR-67-01-814B	04/09/08	0.32J
Hays	LR-67-01-816	12/09/08	1.010
Hays	LR-67-09-101 1	04/23/08	2.750
Hays	LR-67-09-101 1	05/14/08	2.330
Hays	LR-67-09-101 1	06/11/08	2.530
Hays	LR-67-09-101 1	07/16/08	2.250
Hays	LR-67-09-101 1	08/27/08	2.410
Hays	LR-67-09-101 1	10/15/08	2.520
Hays	LR-67-09-101 1	11/20/08	2.400
Hays	LR-67-09-101 2	04/23/08	2.640
Hays	LR-67-09-101 2	05/14/08	2.250
Hays	LR-67-09-101 2	06/11/08	2.580
Hays	LR-67-09-101 2	07/16/08	2.170
Hays	LR-67-09-101 2	08/27/08	2.350
Hays	LR-67-09-101 2	10/15/08	2.700
Hays	LR-67-09-101 2	11/20/08	<0.150
Hays	LR-67-09-1AA	12/09/08	0.818
Hays	LR-67-09-1HB	11/24/08	<0.150
Hays	LR-67-09-1SM	12/09/08	<0.150
Hays	LR-68-16-603	12/09/08	<0.150
Kinney	RP-70-37-8DW	12/17/08	1.920
Kinney	RP-70-45-7FE	12/17/08	<0.150
Kinney	RP-70-45-1BJ	12/17/08	<0.150
Kinney	RP-70-37-706	12/17/08	1.440
Kinney	RP-70-45-1DF	12/17/08	1.610
Medina	TD-68-33-502	06/23/08	*0.817
Medina	TD-68-41-102	06/10/08	*1.900
Medina	TD-68-41-303	06/10/08	*2.000
Medina	TD-68-41-901	06/10/08	*1.830
Medina	TD-68-42-506	07/21/08	*1.970
Medina	TD-68-42-806	07/15/08	*1.170
Medina	TD-68-49-301	07/15/08	*1.840
Medina	TD-68-49-501	07/21/08	*1.950

Table C-4. (cont.) Analytical data for nutrients from wells completed in the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Nitrate-N (mg/L)
Medina	TD-69-38-906	06/19/08	*4.360
Medina	TD-69-47-303	07/21/08	*1.440
Medina	TD-69-55-604	06/23/08	*2.450
Medina	TD-69-63-103	05/29/08	*<0.150
Uvalde	YP-69-43-606	07/22/08	*2.630
Uvalde	YP-69-45-405	06/19/08	*1.430
Uvalde	YP-69-50-207	07/22/08	*2.350
Uvalde	YP-69-51-114	07/22/08	*6.030

* = Sample collected by the Authority and analyzed by the TWDB.
NA = Not Analyzed
J = Concentration less than reporting limit but greater than the method detection limit.

Table C-5. Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)
AY-68-29-109	02/27/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-217	02/20/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-610	02/11/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-612	01/14/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-203	02/25/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-205	02/25/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-407	02/06/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-513	02/25/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-514	02/25/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-515	02/13/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Annular	04/23/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Annular	05/14/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Annular	06/11/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Annular	07/16/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Annular	10/15/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Annular	11/20/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Standpipe	04/23/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Standpipe	05/14/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Standpipe	06/11/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Standpipe	07/16/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Standpipe	10/15/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Standpipe	11/20/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-702	05/12/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-112	01/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)
AY-68-29-113	01/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-214	01/23/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-215	02/04/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-415	02/27/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-418	01/22/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-419	02/27/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-36-107	05/12/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-5LG	01/17/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-36-7SA	01/29/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-5VR	01/16/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
DX-68-22-805	05/12/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
DX-68-23-203	07/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
DX-68-23-303	07/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
DX-68-23-304	03/12/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
DX-68-30-225	05/12/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-7DS	10/02/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-805	12/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-816	12/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 1	04/23/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 1	05/14/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 1	07/16/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 1	08/27/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 1	10/15/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 1	11/20/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 2	04/23/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)
LR-67-09-101 2	05/14/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 2	07/16/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 2	08/27/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 2	10/15/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 2	11/20/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1AA	12/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1HB	11/24/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1SM	12/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-68-16-603	12/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-33-502	06/23/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-41-102	06/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-41-303	06/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-41-901	06/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-42-506	07/21/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-42-806	07/15/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-49-301	07/15/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-68-49-501	07/21/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-69-38-906	06/19/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-69-47-303	07/21/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-69-55-604	06/23/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-69-63-103	05/29/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-43-606	07/22/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-45-405	06/19/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-50-207	07/22/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-51-114	07/22/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos methyl (µg/L)	Bentazon (mg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)	Chloro-pyrifos (µg/L)	Coumaphos (µg/L)
AY-68-29-109	02/27/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-27-217	02/20/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-27-610	02/11/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-27-612	01/14/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-203	02/25/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-205	02/25/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-407	02/06/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-513	02/25/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-514	02/25/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-515	02/13/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Annular	04/23/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Annular	05/14/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Annular	06/11/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Annular	07/16/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Annular	10/15/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Annular	11/20/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Standpipe	04/23/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Standpipe	05/14/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Standpipe	06/11/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Standpipe	07/16/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Standpipe	10/15/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Standpipe	11/20/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-702	05/12/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-29-112	01/08/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos methyl (µg/L)	Bentazon (mg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)	Chloro-pyrifos (µg/L)	Coumaphos (µg/L)
AY-68-29-113	01/10/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-29-214	01/23/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-29-215	02/04/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-29-415	02/27/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-29-418	01/22/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-29-419	02/27/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-36-107	05/12/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-27-5LG	01/17/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-36-7SA	01/29/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-27-5VR	01/16/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
DX-68-22-805	05/12/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
DX-68-23-203	07/10/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
DX-68-23-303	07/10/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
DX-68-23-304	03/12/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
DX-68-30-225	05/12/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-7DS	10/02/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-805	12/09/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-816	12/09/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 1	04/23/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 1	05/14/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 1	07/16/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 1	08/27/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 1	10/15/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 1	11/20/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 2	04/23/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos methyl (µg/L)	Bentazon (mg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)	Chloro-pyrifos (µg/L)	Coumaphos (µg/L)
LR-67-09-101 2	05/14/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 2	07/16/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 2	08/27/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 2	10/15/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 2	11/20/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-1AA	12/09/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-1HB	11/24/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-1SM	12/09/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-68-16-603	12/09/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-33-502	06/23/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-41-102	06/10/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-41-303	06/10/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-41-901	06/10/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-42-506	07/21/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-42-806	07/15/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-49-301	07/15/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-68-49-501	07/21/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-69-38-906	06/19/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-69-47-303	07/21/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-69-55-604	06/23/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-69-63-103	05/29/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
YP-69-43-606	07/22/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
YP-69-45-405	06/19/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
YP-69-50-207	07/22/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
YP-69-51-114	07/22/08	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	2,4-D (mg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)	Diazinon (µg/L)	Dichlorovos (µg/L)	Dieldrin (µg/L)
AY-68-29-109	02/27/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-27-217	02/20/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-27-610	02/11/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-27-612	01/14/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-203	02/25/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-205	02/25/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-407	02/06/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-513	02/25/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-514	02/25/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-515	02/13/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Annular	04/23/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Annular	05/14/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Annular	06/11/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Annular	07/16/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Annular	10/15/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Annular	11/20/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Standpipe	04/23/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Standpipe	05/14/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Standpipe	06/11/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Standpipe	07/16/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Standpipe	10/15/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Standpipe	11/20/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-702	05/12/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-29-112	01/08/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	2,4-D (mg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)	Diazinon (µg/L)	Dichlorovos (µg/L)	Dieldrin (µg/L)
AY-68-29-113	01/10/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-29-214	01/23/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-29-215	02/04/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-29-415	02/27/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-29-418	01/22/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-29-419	02/27/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-36-107	05/12/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-27-5LG	01/17/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-36-7SA	01/29/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-27-5VR	01/16/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
DX-68-22-805	05/12/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
DX-68-23-203	07/10/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
DX-68-23-303	07/10/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
DX-68-23-304	03/12/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
DX-68-30-225	05/12/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-7DS	10/02/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-805	12/09/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-816	12/09/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 1	04/23/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 1	05/14/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 1	07/16/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 1	08/27/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 1	10/15/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 1	11/20/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 2	04/23/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	2,4-D (mg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)	Diazinon (µg/L)	Dichlorovos (µg/L)	Dieldrin (µg/L)
LR-67-09-101 2	05/14/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 2	07/16/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 2	08/27/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 2	10/15/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 2	11/20/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-1AA	12/09/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-1HB	11/24/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-1SM	12/09/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-68-16-603	12/09/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-33-502	06/23/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-41-102	06/10/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-41-303	06/10/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-41-901	06/10/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-42-506	07/21/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-42-806	07/15/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-49-301	07/15/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-68-49-501	07/21/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-69-38-906	06/19/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-69-47-303	07/21/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-69-55-604	06/23/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-69-63-103	05/29/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
YP-69-43-606	07/22/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
YP-69-45-405	06/19/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
YP-69-50-207	07/22/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
YP-69-51-114	07/22/08	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Di-methoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)	Endo-sulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)
AY-68-29-109	02/27/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-27-217	02/20/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-27-610	02/11/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-27-612	01/14/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-203	02/25/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-205	02/25/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-407	02/06/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-513	02/25/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-514	02/25/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-515	02/13/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Annular	04/23/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Annular	05/14/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Annular	06/11/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Annular	07/16/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Annular	10/15/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Annular	11/20/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Standpipe	04/23/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Standpipe	05/14/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Standpipe	06/11/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Standpipe	07/16/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Standpipe	10/15/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Standpipe	11/20/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-702	05/12/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-29-112	01/08/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Di-methoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)	Endo-sulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)
AY-68-29-113	01/10/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-29-214	01/23/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-29-215	02/04/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-29-415	02/27/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-29-418	01/22/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-29-419	02/27/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-36-107	05/12/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-27-5LG	01/17/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-36-7SA	01/29/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-27-5VR	01/16/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
DX-68-22-805	05/12/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
DX-68-23-203	07/10/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
DX-68-23-303	07/10/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
DX-68-23-304	03/12/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
DX-68-30-225	05/12/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-7DS	10/02/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-805	12/09/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-816	12/09/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 1	04/23/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 1	05/14/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 1	07/16/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 1	08/27/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 1	10/15/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 1	11/20/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 2	04/23/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Di-methoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)	Endo-sulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)
LR-67-09-101 2	05/14/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 2	07/16/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 2	08/27/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 2	10/15/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 2	11/20/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-1AA	12/09/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-1HB	11/24/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-1SM	12/09/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-68-16-603	12/09/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-33-502	06/23/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-41-102	06/10/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-41-303	06/10/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-41-901	06/10/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-42-506	07/21/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-42-806	07/15/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-49-301	07/15/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-68-49-501	07/21/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-69-38-906	06/19/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-69-47-303	07/21/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-69-55-604	06/23/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-69-63-103	05/29/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
YP-69-43-606	07/22/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
YP-69-45-405	06/19/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
YP-69-50-207	07/22/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
YP-69-51-114	07/22/08	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	EPN (µg/L)	Ethoprop (µg/L)	Fen-sulfothion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)
AY-68-29-109	02/27/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-27-217	02/20/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-27-610	02/11/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-27-612	01/14/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-203	02/25/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-205	02/25/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-407	02/06/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-513	02/25/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-514	02/25/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-515	02/13/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Annular	04/23/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Annular	05/14/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Annular	06/11/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Annular	07/16/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Annular	10/15/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Annular	11/20/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Standpipe	04/23/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Standpipe	05/14/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Standpipe	06/11/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Standpipe	07/16/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Standpipe	10/15/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Standpipe	11/20/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-702	05/12/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-29-112	01/08/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	EPN (µg/L)	Ethoprop (µg/L)	Fen-sulfothion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)
AY-68-29-113	01/10/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-29-214	01/23/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-29-215	02/04/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-29-415	02/27/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-29-418	01/22/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-29-419	02/27/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-36-107	05/12/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-27-5LG	01/17/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-36-7SA	01/29/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-27-5VR	01/16/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
DX-68-22-805	05/12/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
DX-68-23-203	07/10/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
DX-68-23-303	07/10/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
DX-68-23-304	03/12/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
DX-68-30-225	05/12/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-7DS	10/02/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-805	12/09/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-816	12/09/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 1	04/23/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 1	05/14/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 1	07/16/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 1	08/27/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 1	10/15/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 1	11/20/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 2	04/23/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	EPN (µg/L)	Ethoprop (µg/L)	Fen-sulfothion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)
LR-67-09-101 2	05/14/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 2	07/16/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 2	08/27/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 2	10/15/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 2	11/20/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-1AA	12/09/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-1HB	11/24/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-1SM	12/09/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-68-16-603	12/09/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-33-502	06/23/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-41-102	06/10/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-41-303	06/10/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-41-901	06/10/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-42-506	07/21/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-42-806	07/15/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-49-301	07/15/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-68-49-501	07/21/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-69-38-906	06/19/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-69-47-303	07/21/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-69-55-604	06/23/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-69-63-103	05/29/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
YP-69-43-606	07/22/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
YP-69-45-405	06/19/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
YP-69-50-207	07/22/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
YP-69-51-114	07/22/08	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Merphos (µg/L)	Meth-oxychlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
AY-68-29-109	02/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-27-217	02/20/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-27-610	02/11/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-27-612	01/14/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-203	02/25/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-205	02/25/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-407	02/06/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-513	02/25/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-514	02/25/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-515	02/13/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Annular	04/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Annular	05/14/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Annular	06/11/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Annular	07/16/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Annular	10/15/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Annular	11/20/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Standpipe	04/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Standpipe	05/14/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Standpipe	06/11/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Standpipe	07/16/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Standpipe	10/15/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Standpipe	11/20/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-702	05/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-112	01/08/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Merphos (µg/L)	Meth-oxychlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
AY-68-29-113	01/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-214	01/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-215	02/04/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-415	02/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-418	01/22/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-419	02/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-36-107	05/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-27-5LG	01/17/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-36-7SA	01/29/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-27-5VR	01/16/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-22-805	05/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-23-203	07/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-23-303	07/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-23-304	03/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05
DX-68-30-225	05/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-7DS	10/02/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-805	12/09/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-816	12/09/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	04/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	05/14/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	07/16/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	08/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	10/15/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	11/20/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 2	04/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Merphos (µg/L)	Meth-oxychlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
AY-68-29-113	01/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-214	01/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-215	02/04/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-415	02/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-418	01/22/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-419	02/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-36-107	05/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-27-5LG	01/17/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-36-7SA	01/29/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-27-5VR	01/16/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-22-805	05/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-23-203	07/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-23-303	07/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
DX-68-23-304	03/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05
DX-68-30-225	05/12/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-7DS	10/02/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-805	12/09/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-816	12/09/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	04/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	05/14/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	07/16/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	08/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	10/15/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	11/20/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 2	04/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Merphos (µg/L)	Meth-oxychlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
LR-67-09-101 2	05/14/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 2	07/16/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 2	08/27/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 2	10/15/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 2	11/20/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-1AA	12/09/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-1HB	11/24/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-1SM	12/09/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-68-16-603	12/09/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-33-502	06/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-41-102	06/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-41-303	06/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-41-901	06/10/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-42-506	07/21/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-42-806	07/15/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-49-301	07/15/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-68-49-501	07/21/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-69-38-906	06/19/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-69-47-303	07/21/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-69-55-604	06/23/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-69-63-103	05/29/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
YP-69-43-606	07/22/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
YP-69-45-405	06/19/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
YP-69-50-207	07/22/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
YP-69-51-114	07/22/08	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Picloram (mg/L)	Ronnel (µg/L)	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (mg/L)	TEPP (µg/L)	Tokuthion (µg/L)	Total PCBs (µg/L)
AY-68-29-109	02/27/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-27-217	02/20/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-27-610	02/11/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-27-612	01/14/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-203	02/25/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-205	02/25/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-407	02/06/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-513	02/25/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-514	02/25/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-515	02/13/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Annular	04/23/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Annular	05/14/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Annular	06/11/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Annular	07/16/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Annular	10/15/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Annular	11/20/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Standpipe	04/23/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Standpipe	05/14/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Standpipe	06/11/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Standpipe	07/16/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Standpipe	10/15/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Standpipe	11/20/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-702	05/12/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-29-112	01/08/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Picloram (mg/L)	Ronnel (µg/L)	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (mg/L)	TEPP (µg/L)	Tokuthion (µg/L)	Total PCBs (µg/L)
AY-68-29-113	01/10/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-29-214	01/23/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-29-215	02/04/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-29-415	02/27/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-29-418	01/22/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-29-419	02/27/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-36-107	05/12/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-27-5LG	01/17/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-36-7SA	01/29/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-27-5VR	01/16/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
DX-68-22-805	05/12/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
DX-68-23-203	07/10/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
DX-68-23-303	07/10/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
DX-68-23-304	03/12/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
DX-68-30-225	05/12/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-7DS	10/02/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-805	12/09/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-816	12/09/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 1	04/23/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 1	05/14/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 1	07/16/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 1	08/27/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 1	10/15/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 1	11/20/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 2	04/23/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00

Table C-5. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Picloram (mg/L)	Ronnel (µg/L)	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (mg/L)	TEPP (µg/L)	Tokuthion (µg/L)	Total PCBs (µg/L)
LR-67-09-101 2	05/14/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 2	07/16/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 2	08/27/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 2	10/15/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 2	11/20/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-1AA	12/09/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-1HB	11/24/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-1SM	12/09/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-68-16-603	12/09/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-33-502	06/23/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-41-102	06/10/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-41-303	06/10/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-41-901	06/10/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-42-506	07/21/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-42-806	07/15/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-49-301	07/15/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-68-49-501	07/21/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-69-38-906	06/19/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-69-47-303	07/21/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-69-55-604	06/23/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-69-63-103	05/29/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
YP-69-43-606	07/22/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
YP-69-45-405	06/19/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
YP-69-50-207	07/22/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
YP-69-51-114	07/22/08	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00

NA = Not Analyzed

Table C-6. Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)	Bromobenzene (µg/L)
AY-68-29-109	02/27/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-217	02/20/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-610	02/11/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-612	01/14/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-203	02/25/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-205	02/25/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-407	02/06/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-513	02/25/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-514	02/25/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-515	02/13/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Annular	04/23/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Annular	05/14/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Annular	06/11/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Annular	07/16/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Annular	10/15/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Annular	11/20/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
AY-68-28-608 Standpipe	04/23/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Standpipe	05/14/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Standpipe	06/11/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Standpipe	07/16/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Standpipe	10/15/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Standpipe	11/20/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
AY-68-28-702	05/12/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)	Bromobenzene (µg/L)
AY-68-29-112	01/08/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-113	01/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-214	01/23/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-215	02/04/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-415	02/27/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-418	01/22/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-419	02/27/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-36-107	05/12/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5LG	01/17/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-36-7SA	01/29/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5VR	01/16/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
DX-68-22-805	05/12/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
DX-68-23-203	07/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
DX-68-23-303	07/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
DX-68-23-304	03/12/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
DX-68-30-225	05/12/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-01-7DS	10/02/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-01-805	12/09/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
LR-67-01-816	12/09/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
LR-67-09-101 1	04/23/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 1	05/14/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 1	07/16/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 1	08/27/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 1	10/15/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)	Bromobenzene (µg/L)
LR-67-09-101 1	11/20/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
LR-67-09-101 2	04/23/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 2	05/14/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 2	07/16/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 2	08/27/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 2	10/15/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 2	11/20/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
LR-67-09-1AA	12/09/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
LR-67-09-1HB	11/24/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
LR-67-09-1SM	12/09/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
LR-68-16-603	12/09/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00	<0.50
TD-68-33-502	06/23/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-68-41-102	06/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-68-41-303	06/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-68-41-901	06/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-68-42-506	07/21/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-68-42-806	07/15/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-68-49-301	07/15/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-68-49-501	07/21/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-69-38-906	06/19/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-69-47-303	07/21/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-69-55-604	06/23/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-69-63-103	05/29/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
YP-69-43-606	07/22/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
YP-69-45-405	06/19/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
YP-69-50-207	07/22/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
YP-69-51-114	07/22/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Butanone (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)
AY-68-29-109	02/27/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-217	02/20/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-610	02/11/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-612	01/14/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-203	02/25/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-205	02/25/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-407	02/06/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-513	02/25/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-514	02/25/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-515	02/13/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	04/23/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	05/14/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	06/11/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	07/16/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	10/15/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	11/20/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
AY-68-28-608 Standpipe	04/23/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	05/14/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	06/11/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	07/16/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	10/15/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	11/20/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
AY-68-28-702	05/12/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Butanone (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)
AY-68-29-112	01/08/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-113	01/10/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-214	01/23/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-215	02/04/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-415	02/27/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-418	01/22/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-419	02/27/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-36-107	05/12/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-5LG	01/17/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-36-7SA	01/29/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-5VR	01/16/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-22-805	05/12/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-23-203	07/10/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-23-303	07/10/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-23-304	03/12/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-30-225	05/12/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-01-7DS	10/02/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-01-805	12/09/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
LR-67-01-816	12/09/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
LR-67-09-101 1	04/23/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	05/14/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	07/16/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	08/27/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	10/15/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Butanone (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)
LR-67-09-101 1	11/20/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
LR-67-09-101 2	04/23/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	05/14/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	07/16/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	08/27/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	10/15/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	11/20/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
LR-67-09-1AA	12/09/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
LR-67-09-1HB	11/24/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
LR-67-09-1SM	12/09/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
LR-68-16-603	12/09/08	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<0.50
TD-68-33-502	06/23/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-41-102	06/10/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-41-303	06/10/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-41-901	06/10/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-42-506	07/21/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-42-806	07/15/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-49-301	07/15/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-49-501	07/21/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-38-906	06/19/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-47-303	07/21/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-55-604	06/23/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-63-103	05/29/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-43-606	07/22/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-45-405	06/19/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-50-207	07/22/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-51-114	07/22/08	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Chloro-ethane (µg/L)	2-Chloro-ethyl-vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo--3-chloro-propane (µg/L)
AY-68-29-109	02/27/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-217	02/20/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-610	02/11/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-612	01/14/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-203	02/25/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-205	02/25/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-407	02/06/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-513	02/25/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-514	02/25/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-515	02/13/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	04/23/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	05/14/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	06/11/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	07/16/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	10/15/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	11/20/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
AY-68-28-608 Standpipe	04/23/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	05/14/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	06/11/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	07/16/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	10/15/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	11/20/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
AY-68-28-702	05/12/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Chloro-ethane (µg/L)	2-Chloro-ethyl-vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo--3-chloro-propane (µg/L)
AY-68-29-112	01/08/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-113	01/10/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-214	01/23/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-215	02/04/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-415	02/27/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-418	01/22/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-419	02/27/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-36-107	05/12/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5LG	01/17/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-36-7SA	01/29/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5VR	01/16/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-22-805	05/12/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-203	07/10/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-303	07/10/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-304	03/12/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-30-225	05/12/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-7DS	10/02/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-805	12/09/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
LR-67-01-816	12/09/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
LR-67-09-101 1	04/23/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	05/14/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	07/16/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	08/27/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	10/15/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Chloro-ethane (µg/L)	2-Chloro-ethyl-vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo--3-chloro-propane (µg/L)
LR-67-09-101 1	11/20/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
LR-67-09-101 2	04/23/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	05/14/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	07/16/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	08/27/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	10/15/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	11/20/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
LR-67-09-1AA	12/09/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
LR-67-09-1HB	11/24/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
LR-67-09-1SM	12/09/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
LR-68-16-603	12/09/08	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
TD-68-33-502	06/23/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-102	06/10/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-303	06/10/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-901	06/10/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-42-506	07/21/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-42-806	07/15/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-49-301	07/15/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-49-501	07/21/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-38-906	06/19/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-47-303	07/21/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-55-604	06/23/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-63-103	05/29/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-43-606	07/22/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-45-405	06/19/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-50-207	07/22/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-51-114	07/22/08	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)
AY-68-29-109	02/27/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-217	02/20/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-610	02/11/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-612	01/14/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-203	02/25/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-205	02/25/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-407	02/06/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-513	02/25/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-514	02/25/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-515	02/13/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	04/23/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	05/14/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	06/11/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	07/16/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	10/15/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-608 Standpipe	04/23/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	05/14/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	06/11/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	07/16/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	10/15/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-702	05/12/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)
AY-68-29-112	01/08/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-113	01/10/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-214	01/23/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-215	02/04/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-415	02/27/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-418	01/22/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-419	02/27/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-36-107	05/12/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5LG	01/17/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-36-7SA	01/29/08	<2.00	<2.00	<10.00	<2.00	<10.00	<2.00	<10.00	<2.00	<2.00
AY-68-27-5VR	01/16/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
DX-68-22-805	05/12/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-203	07/10/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-303	07/10/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-304	03/12/08	<2.00	<2.00	<10.00	<2.00	<10.00	<2.00	<10.00	<2.00	<2.00
DX-68-30-225	05/12/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-7DS	10/02/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-805	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-01-816	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-101 1	04/23/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	05/14/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	07/16/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	08/27/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	10/15/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)
LR-67-09-101 1	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-101 2	04/23/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	05/14/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	07/16/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	08/27/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	10/15/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1AA	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1HB	11/24/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1SM	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-68-16-603	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TD-68-33-502	06/23/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-102	06/10/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-303	06/10/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-901	06/10/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-68-42-506	07/21/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-68-42-806	07/15/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-68-49-301	07/15/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-68-49-501	07/21/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-69-38-906	06/19/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-69-47-303	07/21/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-69-55-604	06/23/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-69-63-103	05/29/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
YP-69-43-606	07/22/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
YP-69-45-405	06/19/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
YP-69-50-207	07/22/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
YP-69-51-114	07/22/08	<2.00	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexachloro-butadiene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)
AY-68-29-109	02/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-27-217	02/20/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-27-610	02/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-27-612	01/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-203	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-205	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-407	02/06/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-513	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-514	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-515	02/13/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Annular	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Annular	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Annular	06/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Annular	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Annular	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Annular	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-608 Standpipe	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Standpipe	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Standpipe	06/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Standpipe	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Standpipe	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00
AY-68-28-608 Standpipe	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-702	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.0	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexachloro-butadiene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)
AY-68-29-112	01/08/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-29-113	01/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-29-214	01/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-29-215	02/04/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-29-415	02/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-29-418	01/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-29-419	02/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-36-107	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-27-5LG	01/17/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-36-7SA	01/29/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
AY-68-27-5VR	01/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
DX-68-22-805	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
DX-68-23-203	07/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
DX-68-23-303	07/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
DX-68-23-304	03/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
DX-68-30-225	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-01-7DS	10/02/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-01-805	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-01-816	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-101 1	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 1	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 1	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 1	08/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 1	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexachloro-butadiene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)
LR-67-09-101 1	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-101 2	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 2	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 2	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 2	08/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 2	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
LR-67-09-101 2	11/20/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1AA	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1HB	11/24/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1SM	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
LR-68-16-603	12/09/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TD-68-33-502	06/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-68-41-102	06/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-68-41-303	06/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-68-41-901	06/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-68-42-506	07/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-68-42-806	07/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-68-49-301	07/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-68-49-501	07/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-69-38-906	06/19/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-69-47-303	07/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-69-55-604	06/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
TD-69-63-103	05/29/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
YP-69-43-606	07/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
YP-69-45-405	06/19/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
YP-69-50-207	07/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00
YP-69-51-114	07/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Isopropyl -benzene (µg/L)	4- Isopropyl- toluene (µg/L)	m,p- Xylene (µg/L)	Methyl- tert-butyl- ether (µg/L)	4-Methyl-- 2- pentanone (µg/L)	Methyl- ene Chloride (µg/L)	Naphthalene (µg/L)	n-Butanol (µg/L)	n-Butyl- benzene (µg/L)
AY-68-29-109	02/27/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-217	02/20/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-610	02/11/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-612	01/14/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-203	02/25/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-205	02/25/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-407	02/06/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-513	02/25/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-514	02/25/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-515	02/13/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	04/23/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	05/14/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	06/11/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	07/16/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	10/15/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Annular	11/20/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
AY-68-28-608 Standpipe	04/23/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	05/14/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	06/11/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	07/16/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	10/15/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-28-608 Standpipe	11/20/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
AY-68-28-702	05/12/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Isopropyl -benzene (µg/L)	4- Isopropyl- toluene (µg/L)	m,p- Xylene (µg/L)	Methyl- tert-butyl- ether (µg/L)	4-Methyl-- 2- pentanone (µg/L)	Methyl- ene Chloride (µg/L)	Naphthalene (µg/L)	n-Butanol (µg/L)	n-Butyl- benzene (µg/L)
AY-68-29-112	01/08/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-113	01/10/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-214	01/23/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-215	02/04/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-415	02/27/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-418	01/22/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-29-419	02/27/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-36-107	05/12/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-5LG	01/17/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-36-7SA	01/29/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
AY-68-27-5VR	01/16/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-22-805	05/12/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-23-203	07/10/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-23-303	07/10/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-23-304	03/12/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
DX-68-30-225	05/12/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-01-7DS	10/02/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-01-805	12/09/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
LR-67-01-816	12/09/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
LR-67-09-101 1	04/23/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	05/14/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	07/16/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	08/27/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 1	10/15/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Isopropyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	m,p-Xylene (µg/L)	Methyl-tert-butyl-ether (µg/L)	4-Methyl--2-pentanone (µg/L)	Methyl-ene Chloride (µg/L)	Naphthalene (µg/L)	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)
LR-67-09-101 1	11/20/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
LR-67-09-101 2	04/23/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	05/14/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	07/16/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	08/27/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	10/15/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
LR-67-09-101 2	11/20/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
LR-67-09-1AA	12/09/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
LR-67-09-1HB	11/24/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
LR-67-09-1SM	12/09/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
LR-68-16-603	12/09/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00	<0.50
TD-68-33-502	06/23/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-41-102	06/10/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-41-303	06/10/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-41-901	06/10/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-42-506	07/21/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-42-806	07/15/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-49-301	07/15/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-68-49-501	07/21/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-38-906	06/19/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-47-303	07/21/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-55-604	06/23/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
TD-69-63-103	05/29/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-43-606	07/22/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-45-405	06/19/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-50-207	07/22/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00
YP-69-51-114	07/22/08	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)	sec-Butyl-benzene (µg/L)	Styrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)
AY-68-29-109	02/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-27-217	02/20/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-27-610	02/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-27-612	01/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-203	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-205	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-407	02/06/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-513	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-514	02/25/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-515	02/13/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Annular	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Annular	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Annular	06/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Annular	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Annular	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Annular	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
AY-68-28-608 Standpipe	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Standpipe	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Standpipe	06/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Standpipe	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Standpipe	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-28-608 Standpipe	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
AY-68-28-702	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)	sec-Butyl-benzene (µg/L)	Styrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)
AY-68-29-112	01/08/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-29-113	01/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-29-214	01/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-29-215	02/04/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-29-415	02/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-29-418	01/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-29-419	02/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-36-107	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-27-5LG	01/17/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-36-7SA	01/29/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
AY-68-27-5VR	01/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
DX-68-22-805	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
DX-68-23-203	07/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
DX-68-23-303	07/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
DX-68-23-304	03/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
DX-68-30-225	05/12/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-01-7DS	10/02/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-01-805	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
LR-67-01-816	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
LR-67-09-101 1	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 1	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 1	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 1	08/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 1	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)	sec-Butyl-benzene (µg/L)	Styrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)
LR-67-09-101 1	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
LR-67-09-101 2	04/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 2	05/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 2	07/16/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 2	08/27/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 2	10/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
LR-67-09-101 2	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
LR-67-09-1AA	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
LR-67-09-1HB	11/24/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
LR-67-09-1SM	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
LR-68-16-603	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
TD-68-33-502	06/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-68-41-102	06/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-68-41-303	06/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-68-41-901	06/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-68-42-506	07/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-68-42-806	07/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-68-49-301	07/15/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-68-49-501	07/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-69-38-906	06/19/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-69-47-303	07/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-69-55-604	06/23/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
TD-69-63-103	05/29/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
YP-69-43-606	07/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
YP-69-45-405	06/19/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
YP-69-50-207	07/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00
YP-69-51-114	07/22/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	5.55

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Toluene (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)
AY-68-29-109	02/27/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-217	02/20/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-610	02/11/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-612	01/14/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-203	02/25/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-205	02/25/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-407	02/06/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-513	02/25/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-514	02/25/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-515	02/13/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	04/23/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	05/14/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	06/11/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	07/16/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	10/15/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-608 Standpipe	04/23/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	05/14/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	06/11/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	07/16/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	10/15/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-702	05/12/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Toluene (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)
AY-68-29-112	01/08/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-113	01/10/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-214	01/23/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-215	02/04/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-415	02/27/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-418	01/22/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-419	02/27/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-36-107	05/12/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5LG	01/17/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-36-7SA	01/29/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5VR	01/16/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-22-805	05/12/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-203	07/10/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-303	07/10/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-304	03/12/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-30-225	05/12/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-7DS	10/02/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-805	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-01-816	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-101 1	04/23/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	05/14/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	07/16/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	08/27/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	10/15/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical data for volatile organic compounds (VOCs) from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Toluene (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)
LR-67-09-101 1	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-101 2	04/23/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	05/14/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	07/16/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	08/27/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	10/15/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	11/20/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1AA	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1HB	11/24/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
LR-67-09-1SM	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
LR-68-16-603	12/09/08	<0.50	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
TD-68-33-502	06/23/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-102	06/10/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-303	06/10/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-41-901	06/10/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-42-506	07/21/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-42-806	07/15/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-49-301	07/15/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-68-49-501	07/21/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-38-906	06/19/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-47-303	07/21/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-55-604	06/23/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-63-103	05/29/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-43-606	07/22/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-45-405	06/19/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-50-207	07/22/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
YP-69-51-114	07/22/08	<2.00	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00

NA = Not Analyzed

Table C-7. Analytical data for semivolatile organic compounds (SVOCs) organic compounds from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Aniline (µg/L)	Anthracene (µg/L)	Azobenzene (µg/L)	Benzidine (µg/L)	Benzo(a) anthracene (µg/L)	Benzo(a) pyrene (µg/L)	Benzo(b) fluoranthene (µg/L)
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Station Name	Date Sampled	Benzo (g,h,I) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	bis(2-chloroethoxy) methane (µg/L)	bis(2-chloroethyl) ether (µg/L)	bis(2-chloroisopropyl) ether (µg/L)	bis(2-ethylhexyl) adipate (µg/L)	bis(2-ethylhexyl) phthalate (µg/L)
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Station Name	Date Sampled	4-Bromophenyl phenyl ether (µg/L)	Butyl benzyl phthalate (µg/L)	4-Chloro-3-methylphenol (µg/L)	4-Chloroaniline (µg/L)	2-Chloronaphthalene (µg/L)	2-Chlorophenol (µg/L)	4-Chlorophenyl phenyl ether (µg/L)	Chrysene (µg/L)	Cresols (total) (µg/L)
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-7. (cont.) Analytical data for semivolatile organic compounds (SVOCs) organic compounds from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	Dibenz(a,h) anthracene (µg/L)	Dibenz(a,j) acridine (µg/L)	Dibenzo-furan (µg/L)	3,3'-Dichloro-benzidine (µg/L)	2,4-Dichloro-phenol (µg/L)	2,6-Dichloro-phenol (µg/L)	Diethyl phthalate (µg/L)	Dimethyl phthalate (µg/L)	2,4-Dimethyl-phenol (µg/L)
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Station Name	Date Sampled	Di-n-butyl phthalate (µg/L)	4,6-Dinitro-2-methyl-phenol (µg/L)	2,4-Dinitro-phenol (µg/L)	2,4-Dinitro-toluene (µg/L)	2,6-Dinitro-toluene (µg/L)	Di-n-octyl phthalate (µg/L)	Fluor-anthene (µg/L)	Fluorene (µg/L)	Hexachloro-benzene (µg/L)
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Station Name	Date Sampled	Hexa-chloro-cyclo-pentadiene (µg/L)	Hexachloro-ethane (µg/L)	Indeno(1,2,3-cd) pyrene (µg/L)	Iso-phorone (µg/L)	2-Methyl-naphtha-lene (µg/L)	2-Methyl-phenol (µg/L)	4-Methyl-phenol (µg/L)	2-Nitro-aniline (µg/L)	3-Nitro-aniline (µg/L)
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-7. (cont.) Analytical data for semivolatile organic compounds (SVOCs) organic compounds from wells completed in the Edwards Aquifer, 2008

Station Name	Date Sampled	4-Nitro-aniline	Nitro-benzene	2-Nitro-phenol	4-Nitro-phenol	n-Nitrosodi-ethyl-amine	n-Nitrosodi-methyl-amine	n-Nitro-sodi-n-propyl-amine	n-Nitro-sodiphenyl-amine	Penta-chloro-benzene
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Station Name	Date Sampled	Phenan-threne	Phenol	Pyrene	Pyridine	2,4,5-Trichloro-phenol	2,4,6-Trichloro-phenol
AY-68-36-7SA	01/29/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DX-68-23-304	03/12/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

NA = Not Analyzed

Table C-8. Field measurements, bacteria counts, and dissolved oxygen in water samples from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

County	Station Name	Date Sampled	Time Sampled	Water Temp (deg C)	Field conductivity (µg/L)
Comal	Comal Springs #3	06/03/08	9:50	23.70	584
Comal	Comal Springs #3	09/09/08	10:00	23.70	512
Comal	Comal Springs #7	03/11/08	10:25	23.70	576
Comal	Comal Springs #7	06/04/08	10:35	23.70	584
Comal	Comal Springs #7	09/10/08	10:30	23.80	507
Comal	Comal Springs #7	12/03/08	10:40	19.10	533
Comal	Comal Springs 3	03/11/08	9:20	23.30	594
Comal	Comal Springs 3	12/02/08	10:50	18.50	540
Comal	Comal Springs#1 (DX-68-23-301)	03/10/08	9:35	23.00	604
Comal	Comal Springs#1 (DX-68-23-301)	06/03/08	9:20	23.60	577
Comal	Comal Springs#1 (DX-68-23-301)	09/09/08	9:35	23.30	477
Comal	Comal Springs#1 (DX-68-23-301)	12/02/08	10:20	18.20	547
Comal	Hueco Springs A (DX-68-15-901)	03/11/08	11:30	20.80	630
Comal	Hueco Springs A (DX-68-15-901)	06/04/08	9:45	22.20	617
Comal	Hueco Springs A (DX-68-15-901)	09/10/08	9:45	23.30	522
Comal	Hueco Springs A (DX-68-15-901)	12/03/08	9:45	16.50	554
Comal	Hueco Springs B	03/10/08	9:50	20.50	604
Kinney	Pinto Springs @ Mariposa Ranch	12/17/08	15:25	21.47	455
Bexar	San Antonio Springs	03/14/08	9:15	24.10	502
Bexar	San Antonio Springs	09/22/08	10:20	19.80	450
Hays	San Marcos Springs-Deep (LR-67-01-819)	03/07/08	10:25	20.70	610
Hays	San Marcos Springs-Deep (LR-67-01-819)	06/02/08	10:20	23.50	635
Hays	San Marcos Springs-Deep (LR-67-01-819)	09/08/08	14:10	25.50	568
Hays	San Marcos Springs-Deep (LR-67-01-819)	12/01/08	13:30	22.32	624
Hays	San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	9:35	21.10	610
Hays	San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	11:20	22.30	622
Hays	San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	10:45	22.00	557
Hays	San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	12:35	27.60	NA
Bexar	San Pedro Springs	03/14/08	8:25	23.70	499
Bexar	San Pedro Springs	06/05/08	9:20	24.10	515
Bexar	San Pedro Springs	09/22/08	9:35	19.30	444
Bexar	San Pedro Springs	12/04/08	10:35	22.60	503

County	Site Name/Location	Date Sampled	Time Sampled	Water Temp (deg C)	Field Conductivity (mS/cm)
	Blanco River at Wimberley [8171000]	05/05/08	10:10	21.7	495
	Nueces River at Laguna [8190000]	05/06/08	13:45	24.4	398
	Dry Frio River at Reagan Wells [8196000]	05/07/08	9:00	21.4	387
	Frio River at Concan [8195000]	05/07/08	9:45	23.6	400
	Sabinal River near Sabinal [8198000]	05/07/08	10:45	22.9	448
	Seco Creek at Miller Ranch [8201500]	05/07/08	13:15	32.3	389
	Hondo Creek near Tarpley [8200000]	05/08/08	10:15	21.8	477
	Medina River at Bandera [8178880]	05/09/08	11:30	24.3	535
	Blanco River at Wimberley [8171000]	10/06/08	10:25	22.8	407
	Nueces River at Laguna [8190000]	10/07/08	13:50	26.0	378
	Dry Frio River at Reagan Wells [8196000]	10/08/08	9:05	19.2	378
	Frio River at Concan [8195000]	10/08/08	9:30	22.2	367
	Sabinal River near Sabinal [8198000]	10/08/08	10:25	22.0	422
	Seco Creek at Miller Ranch [8201500]	10/08/08	13:30	25.0	319
	Hondo Creek near Tarpley [8200000]	10/09/08	10:00	14.2	432
	Medina River at Bandera [8178880]	10/10/08	11:40	22.4	565
	Pinto Creek@CR2804	12/17/08	10:45	12.5	411

Table C-8. (cont.)

Field pH (std units)	Field Dissolved Oxygen (mg/L)	Field Alkalinity (mg/L)	Turbidity (NTU)	Fecal Coliform (colonies/ 100ml)	Fecal Strep (colonies/ 100ml)	Dissolved OrthoPhosphate
6.85	NA	253	0.15	<2	<2	<0.02
7.78	NA	NA	0.40	<2	<2	<0.02
7.16	NA	259	0.10	<2	<2	<0.03
7.00	NA	245	0.14	<2	4	0.02
7.12	NA	NA	0.15	2.0	4	<0.02
NA	NA	259	0.12	<2	<2	<0.02
7.16	NA	252	0.30	<2	<2	<0.03
NA	NA	253	0.30	9.0	<2	<0.02
7.08	NA	241	0.14	<2	<2	<0.03
6.73	NA	246	0.66	<2	<2	<0.02
7.11	NA	NA	0.15	<2	<2	<0.02
NA	NA	250	0.18	<2	<2	<0.02
7.05	NA	286	2.11	2.0	40	<0.03
6.61	NA	275	0.35	<2	110	<0.02
6.90	NA	NA	0.28	7.0	7	<0.02
NA	NA	275	0.31	<2	80	<0.02
7.11	NA	278	2.40	20.0	7	<0.03
7.42	6.65	224	0.47	NA	NA	NA
7.24	NA	236	0.23	<2	42	<0.03
7.61	NA	221	0.47	72.0	2	0.34
6.85	NA	274	0.19	<2	<2	<0.03
6.86	NA	278	0.67	<2	<2	<0.02
7.10	NA	NA	0.12	<2	<2	0.053
7.05	NA	284	0.00	<2	3	0.03
6.85	NA	274	0.11	<2	<2	<0.03
6.88	NA	279	0.34	<2	3	<0.02
6.92	NA	NA	0.64	2.0	3	<0.02
6.56	NA	288	0.27	<2	<2	0
7.07	NA	219	0.35	78.0	13	0.027
7.12	NA	221	0.70	95.0	24	<0.02
7.57	NA	214	0.29	28.0	5	<0.02
7.43	NA	231	NA	24.0	14	<0.02

Field pH (std units)	Field Dissolved Oxygen (mg/L)	Field Alkalinity (mg/L)	Turbidity (NTU)	Fecal Coliform (colonies/ 100ml)	Fecal Strep (colonies/ 100ml)
7.96	NA	203.00	0.32	40	190
7.84	NA	184.00	0.27	77	3
7.78	NA	184.00	0.68	92	67
7.95	NA	192.00	0.65	52	120
7.79	NA	203.00	0.75	66	140
8.31	NA	135.00	1.18	350	NA
7.99	NA	177.00	0.77	84	1070
8.05	NA	200.00	1.12	18	65
8.21	NA	197.00	0.26	70	490
8.08	NA	204.00	0.17	NA	NA
7.71	NA	202.00	0.04	39	240
8.08	NA	188.00	0.29	40	90
7.48	NA	206.00	0.77	35	200
8.00	NA	124.00	0.53	NA	NA
7.56	NA	201.00	0.53	39	390
7.78	NA	192.00	1.72	53	36
8.00	NA	224.00	0.47	NA	NA

Table C-9. Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (µg/L)	Total Dissolved Solids (mg/L)
San Antonio Springs	03/14/08	97.4	26.00	41.30	0.940	17.30	16.3	<0.50	11.00	390
San Antonio Springs	09/21/08	67.7	9.11	14.90	1.060	16.60	17.1	0.18J	12.40	212
San Pedro Springs	03/14/08	108.0	28.70	42.00	1.070	18.00	18.4	<0.50	12.00	372
San Pedro Springs	06/05/08	125.0	30.30	35.40	1.970	14.50	13.7	<0.50	25.00	642
San Pedro Springs	09/21/08	69.6	10.10	15.10	1.120	16.70	18.0	0.18J	12.90	202
San Pedro Springs	12/04/08	68.6	9.25	15.10	1.690	18.30	20.5	<0.50	11.90	240
Comal Springs #3	03/11/08	122.0	29.40	44.80	1.400	16.50	24.5	<0.50	11.00	432
Comal Springs #3	06/03/08	162.0	33.80	41.30	2.520	17.60	25.4	<0.50	27.00	592
Comal Springs #3	09/09/08	92.5	10.20	16.80	1.240	16.40	25.7	0.22J	13.70	324
Comal Springs #3	12/02/08	98.7	12.40	20.40	1.940	16.30	25.5	0.21J	14.70	336
Comal Springs #7	03/11/08	126.0	31.80	46.80	1.410	17.30	25.0	<0.50	11.00	392
Comal Springs #7	06/04/08	157.0	32.10	38.80	2.250	18.40	25.3	<0.50	26.00	462
Comal Springs #7	09/10/08	82.9	9.66	15.60	1.170	15.30	24.5	0.22J	12.50	300
Comal Springs #7	12/03/08	76.6	9.85	16.50	1.430	15.30	32.1	<0.50	11.50	242
Comal Springs#1 (DX-68-23-301)	03/10/08	124.0	30.80	46.50	1.240	16.10	24.3	<0.50	12.00	352
Comal Springs#1 (DX-68-23-301)	06/03/08	143.0	30.80	38.30	2.430	16.70	24.9	<0.50	23.00	592
Comal Springs#1 (DX-68-23-301)	09/09/08	88.7	9.36	15.60	1.190	15.50	25.7	0.21J	13.00	324
Comal Springs#1 (DX-68-23-301)	12/02/08	79.2	9.53	15.90	1.730	15.60	25.3	0.20J	11.70	1140
Hueco Springs A (DX-68-15-901)	03/11/08	144.0	25.10	40.90	1.380	14.20	21.2	<0.50	11.00	456
Hueco Springs A (DX-68-15-901)	06/04/08	195.0	29.00	41.00	2.800	14.70	28.7	<0.50	29.00	620
Hueco Springs A (DX-68-15-901)	09/10/08	85.9	8.96	15.90	1.280	13.70	27.9	0.25J	13.20	320

Table C-9. (cont.) Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (µg/L)	Total Dissolved Solids (mg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	79.8	9.75	18.50	1.600	16.00	30.80	0.25J	10.40	298
Hueco Springs B	03/10/08	143.0	25.20	41.30	1.250	16.30	23.80	<0.50	11.00	372
Blanco River at Wimberley [8171000]	05/05/08	160.0	11.10	17.60	4.100	11.00	36.80	<0.50	25.00	1140
Blanco River at Wimberley [8171000]	08/26/08	60.5	6.69	15.20	1.140	11.60	33.30	0.20J	11.10	284
Blanco River at Wimberley [8171000]	10/06/08	55.8	7.28	19.20	1.330	10.50	39.50	0.22J	9.57	210
Fern Bank Springs	08/26/08	112.0	6.08	18.60	0.670	10.40	30.90	0.13J	10.90	270
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	113.0	26.10	35.40	1.120	18.30	25.60	<0.50	13.00	446
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	66.3	10.40	15.40	1.160	19.80	26.30	<0.50	11.00	476
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	103.0	11.00	16.30	1.190	18.70	27.00	0.20J	12.80	352
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	90.7	11.20	16.40	1.800	19.40	27.30	0.18J	11.40	336
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	126.0	30.20	51.90	1.020	17.10	25.70	<0.50	11.00	280
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	59.0	9.89	17.30	1.220	18.20	26.60	<0.50	10.00	396
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	92.1	8.50	16.60	1.110	15.20	24.90	0.20J	11.60	320
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	87.9	9.09	17.60	1.720	15.70	24.60	0.19J	11.10	360
Las Moras Springs (RP-70-45-501)	12/17/08	83.8	5.38	6.41	0.647	8.04	6.28	<0.50	11.60	227
Pinto Creek@CR2804	12/17/08	117.0	15.30	4.36	1.140	11.00	8.53	<0.50	19.50	193
Pinto Springs at Mariposa Ranch	12/17/08	112.0	7.87	3.14	0.722	9.00	5.83	<0.50	15.60	307
Hondo Creek near Tarpley [8200000]	05/08/08	179.0	8.67	11.40	1.100	15.20	56.30	<0.50	36.00	464
Hondo Creek near Tarpley [8200000]	10/09/08	72.2	9.50	12.90	1.430	13.10	40.20	0.23J	16.40	270
Medina River at Bandera [8178880]	05/09/08	214.0	5.57	18.70	0.700	10.40	103.00	<0.50	31.00	744
Medina River at Bandera [8178880]	10/10/08	85.5	7.35	20.50	1.520	10.80	124.00	<0.50	12.80	380
Seco Creek at Miller Ranch [8201500]	05/07/08	139.0	6.10	10.10	0.810	11.90	65.50	<0.50	29.00	604

Table C-9. (cont.) Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (µg/L)	Total Dissolved Solids (mg/L)
Seco Creek at Miller Ranch [8201500]	10/08/08	50.1	6.36	9.98	1.140	9.96	56.9	0.21J	12.5	232
Dry Frio River at Reagan Wells [8196000]	05/07/08	145.0	4.47	11.10	0.070J	10.10	13.4	<0.50	25.0	1460
Dry Frio River at Reagan Wells [8196000]	10/08/08	59.4	9.95	12.00	1.020	9.38	15.1	0.14J	11.3	190
Frio River at Concan [8195000]	05/07/08	142.0	5.39	13.00	0.320	11.20	19.2	<0.50	30.0	746
Frio River at Concan [8195000]	10/08/08	57.8	7.03	14.90	0.944	10.40	22.9	0.14J	13.3	302
Nueces River at Laguna [8190000]	05/06/08	142.0	6.24	13.00	0.450	12.70	12.8	<0.50	28.0	594
Nueces River at Laguna [8190000]	10/07/08	63.0	7.24	14.50	0.849	10.80	12.4	0.15J	13.6	186
Sabinal River near Sabinal [8198000]	05/07/08	170.0	11.40	11.80	4.080	11.40	26.7	<0.50	35.0	904
Sabinal River near Sabinal [8198000]	10/08/08	70.5	8.15	14.10	1.410	11.70	34.0	0.17J	17.9	242

NA = Not Analyzed
J = Concentration less than reporting limit but greater than the method detection limit.

Table C-10. Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Bromide (mg/L)
San Antonio Springs	03/14/08	0.379	0.70J	0.47J	47.4	<0.84	NA	0.0640
San Antonio Springs	09/21/08	0.320	2.09	0.65J	46.7	<0.84	NA	0.0690
San Pedro Springs	03/14/08	0.452	0.47J	0.51J	47.7	<0.84	NA	0.0660
San Pedro Springs	06/05/08	<0.220	<0.84	<0.73	46.2	<0.84	NA	<0.002
San Pedro Springs	09/21/08	1.380	1.18	0.61J	47.8	<0.84	NA	0.0920
San Pedro Springs	12/04/08	0.190	<0.84	0.57J	47.3	<0.84	NA	0.175
Comal Springs #3	03/11/08	0.331	<0.84	0.35J	65.2	<0.84	NA	0.0720
Comal Springs #3	06/03/08	<0.220	0.82J	0.53J	51.7	<0.84	NA	0.108
Comal Springs #3	09/09/08	0.561	0.36J	0.47J	54.8	<0.84	NA	0.0960
Comal Springs #3	12/02/08	0.675	<0.84	0.50J	58.3	<0.84	NA	0.150
Comal Springs #7	03/11/08	1.180	<0.84	0.38J	78.6	<0.84	NA	0.0760
Comal Springs #7	06/04/08	<0.220	<0.84	0.37J	54.8	<0.84	NA	0.109
Comal Springs #7	09/10/08	2.820	<0.84	0.40J	56.8	<0.84	NA	0.103
Comal Springs #7	12/03/08	9.900	<0.84	0.798	99.0	<0.84	NA	0.179
Comal Springs#1 (DX-68-23-301)	03/10/08	0.499	<0.84	0.39J	50.0	<0.84	NA	0.0690
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.220	0.41J	0.34J	47.7	<0.84	NA	0.106
Comal Springs#1 (DX-68-23-301)	09/09/08	0.692	0.60J	0.47J	51.7	<0.84	NA	0.113
Comal Springs#1 (DX-68-23-301)	12/02/08	1.520	<0.84	0.43J	56.4	<0.84	NA	0.199
Hueco Springs A (DX-68-15-901)	03/11/08	0.311	<0.84	<0.73	42.0	<0.84	NA	0.0650
Hueco Springs A (DX-68-15-901)	06/04/08	<0.220	0.29J	0.33J	33.9	<0.84	NA	0.0960
Hueco Springs A (DX-68-15-901)	09/10/08	0.828	<0.84	0.51J	35.3	<0.84	NA	0.141
Hueco Springs A (DX-68-15-901)	12/03/08	5.080	<0.84	0.56J	67.5	<0.84	NA	0.179
Hueco Springs B	03/10/08	0.952	<0.84	0.26J	34.4	<0.84	NA	0.0660
Blanco River at Wimberley [8171000]	05/05/08	2.380	<0.84	0.60J	32.4	<0.84	NA	0.0740
Blanco River at Wimberley [8171000]	08/26/08	1.770	0.35J	0.57J	28.9	<0.84	NA	0.0730

Table C-10. (cont.) Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Bromide (mg/L)
Blanco River at Wimberley [8171000]	10/06/08	<0.220	0.29J	0.52J	32.8	<0.84	NA	0.141
Fern Bank Springs	08/26/08	0.984	2.55	0.49J	43.0	<0.84	NA	<0.002
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	0.422	<0.84	0.31J	44.0	<0.84	NA	0.0780
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.220	<0.84	1.52	184.0	<0.84	NA	0.117
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	0.862	0.59J	0.50J	40.4	<0.84	NA	<0.002
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	0.979	<0.84	0.33J	65.5	<0.84	NA	0.177
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.220	<0.84	<0.73	39.0	<0.84	NA	0.0890
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.220	<0.84	0.29J	34.5	<0.84	NA	0.127
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	0.727	1.69	0.46J	37.0	<0.84	NA	<0.002
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	3.990	<0.84	0.50J	47.7	<0.84	NA	0.186
Las Moras Springs (RP-70-45-501)	12/17/08	0.853	<0.84	0.56J	43.2	<0.84	NA	0.277
Pinto Creek@CR2804	12/17/08	1.640	0.39J	0.65J	60.1	<0.84	NA	0.339
Pinto Springs at Mariposa Ranch	12/17/08	2.270	0.33J	0.61J	57.0	<0.84	NA	0.0700
Hondo Creek near Tarpley [8200000]	05/08/08	3.240	<0.84	<0.73	33.6	<0.84	NA	0.176
Hondo Creek near Tarpley [8200000]	10/09/08	1.150	0.72J	0.42J	37.0	<0.84	NA	0.0930
Medina River at Bandera [8178880]	05/09/08	1.250	<0.84	0.46J	31.7	<0.84	NA	0.0610
Medina River at Bandera [8178880]	10/10/08	1.320	0.38J	0.42J	49.7	<0.84	NA	0.071
Seco Creek at Miller Ranch [8201500]	05/07/08	7.170	<0.84	<0.73	25.9	<0.84	NA	0.0260
Seco Creek at Miller Ranch [8201500]	10/08/08	2.830	0.39J	0.43J	25.2	<0.84	NA	0.0500
Dry Frio River at Reagan Wells [8196000]	05/07/08	2.260	<0.84	0.41J	37.8	<0.84	NA	0.0370
Dry Frio River at Reagan Wells [8196000]	10/08/08	5.630	<0.84	0.24J	49.6	<0.84	NA	0.0800
Frio River at Concan [8195000]	05/07/08	5.520	<0.84	0.41J	32.8	<0.84	NA	0.0460
Frio River at Concan [8195000]	10/08/08	0.516	<0.84	0.35J	35.1	<0.84	NA	0.142
Nueces River at Laguna [8190000]	05/06/08	1.490	<0.84	0.53J	35.9	<0.84	NA	0.0520
Nueces River at Laguna [8190000]	10/07/08	1.200	<0.84	0.31J	57.5	<0.84	NA	0.138
Sabinal River near Sabinal [8198000]	05/07/08	1.220	<0.84	0.38J	33.8	<0.84	NA	0.0520
Sabinal River near Sabinal [8198000]	10/08/08	1.750	<0.84	0.51J	57.4	<0.84	NA	0.164

Table C-10. (cont.) Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)
San Antonio Springs	03/14/08	<0.65	0.88J	NA	<0.90	<0.74	<0.84	NA
San Antonio Springs	09/21/08	<0.65	<1.17	NA	<0.90	1.12	<0.84	NA
San Pedro Springs	03/14/08	<0.65	1.10J	NA	<0.90	0.748	<0.84	NA
San Pedro Springs	06/05/08	<0.65	<1.17	NA	<0.90	<0.74	<0.84	NA
San Pedro Springs	09/21/08	0.34J	<1.17	NA	<0.90	0.47J	0.67J	NA
San Pedro Springs	12/04/08	<0.65	<1.17	NA	<0.90	0.30J	<0.84	NA
Comal Springs #3	03/11/08	<0.65	0.76J	NA	<0.90	<0.74	<0.84	NA
Comal Springs #3	06/03/08	<0.65	0.80J	NA	<0.90	<0.74	<0.84	NA
Comal Springs #3	09/09/08	0.53J	0.73J	NA	<0.90	0.30J	0.48J	NA
Comal Springs #3	12/02/08	<0.65	0.61J	NA	0.63J	4.17	0.49J	NA
Comal Springs #7	03/11/08	<0.65	0.74J	NA	<0.90	0.39J	<0.84	NA
Comal Springs #7	06/04/08	<0.65	<1.17	NA	<0.90	<0.74	<0.84	NA
Comal Springs #7	09/10/08	<0.65	<1.17	NA	<0.90	4.58	<0.84	NA
Comal Springs #7	12/03/08	<0.65	0.85J	NA	0.88J	5.04	0.66J	NA
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.65	0.91J	NA	<0.90	<0.74	0.31J	NA
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.65	0.74J	NA	<0.90	<0.74	<0.84	NA
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.65	0.83J	NA	<0.90	0.36J	<0.84	NA
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.65	0.65J	NA	1.80	11.5	0.58J	NA
Hueco Springs A (DX-68-15-901)	03/11/08	<0.65	0.49J	NA	<0.90	<0.74	<0.84	NA
Hueco Springs A (DX-68-15-901)	06/04/08	<0.65	<1.17	NA	<0.90	<0.74	<0.84	NA
Hueco Springs A (DX-68-15-901)	09/10/08	0.23J	<1.17	NA	<0.90	1.72	0.42J	NA
Hueco Springs A (DX-68-15-901)	12/03/08	<0.65	0.61J	NA	1.55	7.54	0.50J	NA
Hueco Springs B	03/10/08	0.32J	1.00J	NA	0.85J	0.74J	0.46J	NA
Blanco River at Wimberley [8171000]	05/05/08	0.40J	0.65J	NA	<0.90	24.6	<0.84	NA
Blanco River at Wimberley [8171000]	08/26/08	<0.65	<1.17	NA	<0.90	5.12	<0.84	NA

Table C-10. (cont.) Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)
Blanco River at Wimberley [8171000]	10/06/08	<0.65	0.46J	NA	<0.90	6.17	<0.84	NA
Fern Bank Springs	08/26/08	<0.65	<1.17	NA	0.34J	1.68	<0.84	NA
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.65	0.48J	NA	<0.90	<0.74	<0.84	NA
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.65	1.44	NA	0.90J	<0.74	<0.84	NA
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.65	0.58J	NA	0.32J	0.740	<0.84	NA
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.65	0.42J	NA	0.32J	1.90	0.73J	NA
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.65	0.62J	NA	<0.90	0.33J	<0.84	NA
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.65	<1.17	NA	0.39J	<0.74	<0.84	NA
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.65	0.74J	NA	<0.90	1.17	<0.84	NA
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.65	0.55J	NA	<0.90	11.4	0.50J	NA
Las Moras Springs (RP-70-45-501)	12/17/08	<0.65	0.44J	NA	<0.90	0.947	1.89	NA
Pinto Creek@CR2804	12/17/08	<0.65	0.45J	NA	<0.90	1.42	0.876	NA
Pinto Springs at Mariposa Ranch	12/17/08	<0.65	0.58J	NA	0.58J	3.81	0.76J	NA
Hondo Creek near Tarpley [8200000]	05/08/08	<0.65	0.74J	NA	<0.90	10.6	<0.84	NA
Hondo Creek near Tarpley [8200000]	10/09/08	0.26J	0.44J	NA	<0.90	6.49	0.34J	NA
Medina River at Bandera [8178880]	05/09/08	<0.65	0.84J	NA	0.59J	6.42	<0.84	NA
Medina River at Bandera [8178880]	10/10/08	<0.65	<1.17	NA	<0.90	3.81	<0.84	NA
Seco Creek at Miller Ranch [8201500]	05/07/08	0.34J	0.70J	NA	1.35	10.2	<0.84	NA
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.65	0.42J	NA	<0.90	2.97	<0.84	NA
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.65	0.98J	NA	<0.90	6.78	<0.84	NA
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.65	<1.17	NA	<0.90	7.48	<0.84	NA
Frio River at Concan [8195000]	05/07/08	0.61J	0.62J	NA	<0.90	10.2	<0.84	NA
Frio River at Concan [8195000]	10/08/08	<0.65	0.52J	NA	<0.90	2.52	<0.84	NA
Nueces River at Laguna [8190000]	05/06/08	0.58J	0.44J	NA	<0.90	4.17	<0.84	NA
Nueces River at Laguna [8190000]	10/07/08	<0.65	<1.17	NA	<0.90	0.841	<0.84	NA
Sabinal River near Sabinal [8198000]	05/07/08	<0.65	<1.17	NA	<0.90	14.0	<0.84	NA
Sabinal River near Sabinal [8198000]	10/08/08	<0.65	<1.17	NA	<0.90	7.32	<0.84	NA

Table C-10. (cont.) Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)
San Antonio Springs	03/14/08	0.054J	<1.14	NA	0.21J	0.88J	1.21	534
San Antonio Springs	09/21/08	0.130J	0.90J	NA	<0.62	1.61	<0.89	607
San Pedro Springs	03/14/08	0.110J	<1.14	NA	<0.62	0.97J	1.04	508
San Pedro Springs	06/05/08	0.130J	<1.14	NA	<0.62	0.72J	<0.89	435
San Pedro Springs	09/21/08	0.100J	<1.14	NA	<0.62	1.16	<0.89	580
San Pedro Springs	12/04/08	0.100J	<1.14	NA	<0.62	1.89	<0.89	584
Comal Springs #3	03/11/08	<0.140	<1.14	NA	<0.62	0.46J	<0.89	622
Comal Springs #3	06/03/08	0.062J	<1.14	NA	<0.62	1.15	<0.89	470
Comal Springs #3	09/09/08	<0.140	<1.14	NA	<0.62	0.890	<0.89	693
Comal Springs #3	12/02/08	0.110J	<1.14	NA	<0.62	1.01	<0.89	672
Comal Springs #7	03/11/08	0.077J	<1.14	NA	<0.62	0.81J	0.81J	734
Comal Springs #7	06/04/08	<0.140	<1.14	NA	<0.62	0.77J	<0.89	533
Comal Springs #7	09/10/08	0.091J	<1.14	NA	<0.62	0.84J	<0.89	739
Comal Springs #7	12/03/08	0.240J	<1.14	NA	0.26J	1.81	<0.89	732
Comal Springs#1 (DX-68-23-301)	03/10/08	0.066J	<1.14	NA	0.21J	0.64J	<0.89	628
Comal Springs#1 (DX-68-23-301)	06/03/08	0.082J	<1.14	NA	<0.62	0.98J	<0.89	371
Comal Springs#1 (DX-68-23-301)	09/09/08	0.077J	<1.14	NA	<0.62	0.96J	<0.89	643
Comal Springs#1 (DX-68-23-301)	12/02/08	0.271	<1.14	NA	0.21J	1.07	<0.89	629
Hueco Springs A (DX-68-15-901)	03/11/08	<0.140	<1.14	NA	0.23J	0.94J	<0.89	442
Hueco Springs A (DX-68-15-901)	06/04/08	<0.140	<1.14	NA	0.31J	1.45	<0.89	360
Hueco Springs A (DX-68-15-901)	09/10/08	0.110J	<1.14	NA	<0.62	1.26	<0.89	540
Hueco Springs A (DX-68-15-901)	12/03/08	0.513	<1.14	NA	0.45J	1.20	<0.89	586
Hueco Springs B	03/10/08	0.130J	<1.14	NA	0.43J	0.81J	<0.89	446
Blanco River at Wimberley [8171000]	05/05/08	0.530J	<1.14	NA	0.29J	1.16	<0.89	596
Blanco River at Wimberley [8171000]	08/26/08	1.330	<1.14	NA	0.31J	0.65J	<0.89	254

Table C-10. (cont.) Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)
Blanco River at Wimberley [8171000]	10/06/08	1.380	<1.14	NA	<0.62	1.15	<0.89	907
Fern Bank Springs	08/26/08	0.096J	<1.14	NA	0.42J	0.95J	<0.89	105
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.140	<1.14	NA	<0.62	0.63J	<0.89	550
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	0.075J	<1.14	NA	0.52J	2.14	<0.89	1500
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	0.056J	<1.14	NA	<0.62	1.01	<0.89	562
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	0.068J	<1.14	NA	<0.62	0.610	<0.89	552
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.140	<1.14	NA	<0.62	0.52J	<0.89	555
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.140	<1.14	NA	<0.62	0.70J	<0.89	447
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.140	0.56J	NA	<0.62	1.01	<0.89	531
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	0.100J	<1.14	NA	<0.62	0.790	<0.89	514
Las Moras Springs (RP-70-45-501)	12/17/08	0.120J	<1.14	NA	<0.62	1.50	<0.89	259
Pinto Creek@CR2804	12/17/08	0.157	<1.14	NA	<0.62	0.40J	<0.89	373
Pinto Springs at Mariposa Ranch	12/17/08	0.334	<1.14	NA	<0.62	0.52J	<0.89	326
Hondo Creek near Tarpley [8200000]	05/08/08	1.320	<1.14	NA	<0.62	0.42J	<0.89	259
Hondo Creek near Tarpley [8200000]	10/09/08	2.380	<1.14	NA	<0.62	1.46	<0.89	455
Medina River at Bandera [8178880]	05/09/08	2.830	<1.14	NA	0.31J	0.59J	<0.89	585
Medina River at Bandera [8178880]	10/10/08	2.710	<1.14	NA	<0.62	0.67J	<0.89	1160
Seco Creek at Miller Ranch [8201500]	05/07/08	1.000	<1.14	NA	0.44J	0.69J	<0.89	263
Seco Creek at Miller Ranch [8201500]	10/08/08	0.543	<1.14	NA	0.22J	1.00	<0.89	372
Dry Frio River at Reagan Wells [8196000]	05/07/08	0.403	<1.14	NA	<0.62	0.38J	<0.89	219
Dry Frio River at Reagan Wells [8196000]	10/08/08	0.832	<1.14	NA	<0.62	0.880	<0.89	432
Frio River at Concan [8195000]	05/07/08	1.270	<1.14	NA	<0.62	0.60J	<0.89	210
Frio River at Concan [8195000]	10/08/08	0.752	<1.14	NA	<0.62	0.590	<0.89	406
Nueces River at Laguna [8190000]	05/06/08	0.230	<1.14	NA	<0.62	0.52J	<0.89	150
Nueces River at Laguna [8190000]	10/07/08	0.412	<1.14	NA	<0.62	<0.99	<0.89	320
Sabinal River near Sabinal [8198000]	05/07/08	1.740	<1.14	NA	<0.62	0.84J	<0.89	236
Sabinal River near Sabinal [8198000]	10/08/08	1.280	<1.14	NA	<0.62	1.38	<0.89	472

* = Sample collected by the Authority and analyzed by the TWDB.
NA = Not Analyzed
J = Concentration less than reporting limit but greater than the method detection limit.

Table C-11. Analytical data for nutrients from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Nitrate-N (mg/L)	Phosphorus (µg/L)
San Antonio Springs	03/14/08	1.440	NA
San Antonio Springs	09/21/08	2.000	NA
San Pedro Springs	03/14/08	1.430	NA
San Pedro Springs	06/05/08	1.700	NA
San Pedro Springs	09/21/08	1.750	NA
San Pedro Springs	12/04/08	1.560	NA
Comal Springs #3	03/11/08	1.780	NA
Comal Springs #3	06/03/08	1.820	NA
Comal Springs #3	09/09/08	1.760	NA
Comal Springs #3	12/02/08	<0.150	NA
Comal Springs #7	03/11/08	1.770	NA
Comal Springs #7	06/04/08	2.130	NA
Comal Springs #7	09/10/08	1.860	NA
Comal Springs #7	12/03/08	1.350	NA
Comal Springs#1 (DX-68-23-301)	03/10/08	1.780	NA
Comal Springs#1 (DX-68-23-301)	03/11/08	1.140	NA
Comal Springs#1 (DX-68-23-301)	06/03/08	1.860	NA
Comal Springs#1 (DX-68-23-301)	09/09/08	1.790	NA
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.150	NA
Hueco Springs A (DX-68-15-901)	06/04/08	1.040	NA
Hueco Springs A (DX-68-15-901)	09/10/08	<0.150	NA
Hueco Springs A (DX-68-15-901)	12/03/08	0.583	NA
Hueco Springs B	03/10/08	1.340	NA
Blanco River at Wimberley [8171000]	05/05/08	0.414	NA
Blanco River at Wimberley [8171000]	08/26/08	1.390	NA
Blanco River at Wimberley [8171000]	10/06/08	<0.150	NA
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	1.120	NA
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	1.530	NA
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	1.460	NA
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	1.180	NA
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	0.793	NA
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	1.440	NA
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	1.170	NA
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.150	NA
Las Moras Springs (RP-70-45-501)	12/17/08	1.370	NA
Pinto Springs at Mariposa Ranch	12/17/08	1.950	NA
Hondo Creek near Tarpley [8200000]	05/08/08	<0.150	NA
Hondo Creek near Tarpley [8200000]	10/09/08	<0.150	NA
Medina River at Bandera [8178880]	05/09/08	0.296	3.21
Medina River at Bandera [8178880]	10/10/08	<0.150	NA
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.150	5.74
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.150	NA
Dry Frio River at Reagan Wells [8196000]	05/07/08	0.508	112.00
Dry Frio River at Reagan Wells [8196000]	10/08/08	0.330	446.00
Frio River at Concan [8195000]	05/07/08	0.509	NA
Frio River at Concan [8195000]	10/08/08	0.278	NA
Nueces River at Laguna [8190000]	05/06/08	0.764	NA
Nueces River at Laguna [8190000]	10/07/08	0.306	NA
Sabinal River near Sabinal [8198000]	05/07/08	0.532	NA
Sabinal River near Sabinal [8198000]	10/08/08	<0.150	NA

NA = Not Analyzed
* = Sample collected by the Authority and analyzed by the TWDB.

Table C-12. Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)
San Antonio Springs	03/14/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Antonio Springs	09/21/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	03/14/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	06/05/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	09/21/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	12/04/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	03/11/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	06/03/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	09/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	12/02/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	03/11/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	06/04/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	09/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	12/03/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	03/11/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	06/04/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	09/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	03/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Blanco River at Wimberley [8171000]	05/05/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Blanco River at Wimberley [8171000]	10/06/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hondo Creek near Tarpley [8200000]	05/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hondo Creek near Tarpley [8200000]	10/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Medina River at Bandera [8178880]	05/09/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Medina River at Bandera [8178880]	10/10/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Frio River at Concan [8195000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Frio River at Concan [8195000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Nueces River at Laguna [8190000]	05/06/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Nueces River at Laguna [8190000]	10/07/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Sabinal River near Sabinal [8198000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Sabinal River near Sabinal [8198000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos methyl (µg/L)	Bentazon (mg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)
San Antonio Springs	03/14/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Antonio Springs	09/21/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Pedro Springs	03/14/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Pedro Springs	06/05/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Pedro Springs	09/21/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Pedro Springs	12/04/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #3	03/11/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #3	06/03/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #3	09/09/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #3	12/02/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #7	03/11/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #7	06/04/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #7	09/10/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #7	12/03/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	03/10/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	06/03/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	09/09/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	12/02/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	03/11/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	06/04/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	09/10/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos methyl (µg/L)	Bentazon (mg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Hueco Springs B	03/10/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Blanco River at Wimberley [8171000]	05/05/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Blanco River at Wimberley [8171000]	10/06/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	05/08/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	10/09/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Medina River at Bandera [8178880]	05/09/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Medina River at Bandera [8178880]	10/10/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	05/07/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	10/08/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	05/07/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	10/08/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Frio River at Concan [8195000]	05/07/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Frio River at Concan [8195000]	10/08/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Nueces River at Laguna [8190000]	05/06/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Nueces River at Laguna [8190000]	10/07/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Sabinal River near Sabinal [8198000]	05/07/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Sabinal River near Sabinal [8198000]	10/08/08	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Chloro-pyrifos (µg/L)	Couma-phos (µg/L)	2,4-D (mg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)
San Antonio Springs	03/14/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Antonio Springs	09/21/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Pedro Springs	03/14/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Pedro Springs	06/05/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Pedro Springs	09/21/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Pedro Springs	12/04/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #3	03/11/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #3	06/03/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #3	09/09/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #3	12/02/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #7	03/11/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #7	06/04/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #7	09/10/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #7	12/03/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	03/11/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	06/04/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	09/10/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Chloro-pyrifos (µg/L)	Couma-phos (µg/L)	2,4-D (mg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hueco Springs B	03/10/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Blanco River at Wimberley [8171000]	05/05/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Blanco River at Wimberley [8171000]	10/06/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	05/08/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	10/09/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Medina River at Bandera [8178880]	05/09/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Medina River at Bandera [8178880]	10/10/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Frio River at Concan [8195000]	05/07/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Frio River at Concan [8195000]	10/08/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Nueces River at Laguna [8190000]	05/06/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Nueces River at Laguna [8190000]	10/07/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Sabinal River near Sabinal [8198000]	05/07/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Sabinal River near Sabinal [8198000]	10/08/08	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Diazinon (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)	Dimethoate (µg/L)	Dinoseb (mg/L)	Disulfo-ton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)
San Antonio Springs	03/14/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Antonio Springs	09/21/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Pedro Springs	03/14/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Pedro Springs	06/05/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Pedro Springs	09/21/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Pedro Springs	12/04/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #3	03/11/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #3	06/03/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #3	09/09/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #3	12/02/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #7	03/11/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #7	06/04/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #7	09/10/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #7	12/03/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hueco Springs A (DX-68-15-901)	03/11/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hueco Springs A (DX-68-15-901)	06/04/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hueco Springs A (DX-68-15-901)	09/10/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Diazinon (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)	Dimethoate (µg/L)	Dinoseb (mg/L)	Disulfo-ton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hueco Springs B	03/10/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Blanco River at Wimberley [8171000]	05/05/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Blanco River at Wimberley [8171000]	10/06/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hondo Creek near Tarpley [8200000]	05/08/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hondo Creek near Tarpley [8200000]	10/09/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Medina River at Bandera [8178880]	05/09/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Medina River at Bandera [8178880]	10/10/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Frio River at Concan [8195000]	05/07/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Frio River at Concan [8195000]	10/08/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Nueces River at Laguna [8190000]	05/06/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Nueces River at Laguna [8190000]	10/07/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Sabinal River near Sabinal [8198000]	05/07/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Sabinal River near Sabinal [8198000]	10/08/08	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Endo-sulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)	EPN (µg/L)	Ethoprop (µg/L)	Fensulfo-thion (µg/L)	Fenthion (µg/L)
San Antonio Springs	03/14/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Antonio Springs	09/21/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Pedro Springs	03/14/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Pedro Springs	06/05/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Pedro Springs	09/21/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Pedro Springs	12/04/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #3	03/11/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #3	06/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #3	09/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #3	12/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #7	03/11/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #7	06/04/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #7	09/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #7	12/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hueco Springs A (DX-68-15-901)	03/11/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hueco Springs A (DX-68-15-901)	06/04/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hueco Springs A (DX-68-15-901)	09/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Endo-sulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)	EPN (µg/L)	Ethoprop (µg/L)	Fensulfo-thion (µg/L)	Fenthion (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hueco Springs B	03/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Blanco River at Wimberley [8171000]	05/05/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Blanco River at Wimberley [8171000]	10/06/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hondo Creek near Tarpley [8200000]	05/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hondo Creek near Tarpley [8200000]	10/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Medina River at Bandera [8178880]	05/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Medina River at Bandera [8178880]	10/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Frio River at Concan [8195000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Frio River at Concan [8195000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Nueces River at Laguna [8190000]	05/06/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Nueces River at Laguna [8190000]	10/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Sabinal River near Sabinal [8198000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Sabinal River near Sabinal [8198000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)	Merphos (µg/L)	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)
San Antonio Springs	03/14/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Antonio Springs	09/21/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Pedro Springs	03/14/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Pedro Springs	06/05/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Pedro Springs	09/21/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Pedro Springs	12/04/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #3	03/11/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #3	06/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #3	09/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #3	12/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #7	03/11/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #7	06/04/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #7	09/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #7	12/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	03/11/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	06/04/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	09/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)	Merphos (µg/L)	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hueco Springs B	03/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Blanco River at Wimberley [8171000]	05/05/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Blanco River at Wimberley [8171000]	10/06/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	05/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	10/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Medina River at Bandera [8178880]	05/09/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Medina River at Bandera [8178880]	10/10/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Frio River at Concan [8195000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Frio River at Concan [8195000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Nueces River at Laguna [8190000]	05/06/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Nueces River at Laguna [8190000]	10/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Sabinal River near Sabinal [8198000]	05/07/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Sabinal River near Sabinal [8198000]	10/08/08	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)	Picloram (mg/L)	Ronnel (µg/L)
San Antonio Springs	03/14/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Antonio Springs	09/21/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
San Pedro Springs	03/14/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
San Pedro Springs	06/05/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Pedro Springs	09/21/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Pedro Springs	12/04/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Comal Springs #3	03/11/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs #3	06/03/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs #3	09/09/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Comal Springs #3	12/02/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs #7	03/11/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Comal Springs #7	06/04/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs #7	09/10/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Comal Springs #7	12/03/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Hueco Springs A (DX-68-15-901)	03/11/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Hueco Springs A (DX-68-15-901)	06/04/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Hueco Springs A (DX-68-15-901)	09/10/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)	Picloram (mg/L)	Ronnel (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Hueco Springs B	03/10/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Blanco River at Wimberley [8171000]	05/05/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Blanco River at Wimberley [8171000]	10/06/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.050	<0.05	<0.05	<0.05	<10.00	<0.05	<0.50	<0.05
Hondo Creek near Tarpley [8200000]	05/08/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Hondo Creek near Tarpley [8200000]	10/09/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Medina River at Bandera [8178880]	05/09/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Medina River at Bandera [8178880]	10/10/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Frio River at Concan [8195000]	05/07/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Frio River at Concan [8195000]	10/08/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Nueces River at Laguna [8190000]	05/06/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Nueces River at Laguna [8190000]	10/07/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Sabinal River near Sabinal [8198000]	05/07/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Sabinal River near Sabinal [8198000]	10/08/08	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (mg/L)	TEPP (µg/L)	Toku-thion (µg/L)	Total PCBs (µg/L)	Toxaphene (µg/L)
San Antonio Springs	03/14/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Antonio Springs	09/21/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Pedro Springs	03/14/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Pedro Springs	06/05/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Pedro Springs	09/21/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Pedro Springs	12/04/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #3	03/11/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #3	06/03/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #3	09/09/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #3	12/02/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #7	03/11/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #7	06/04/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #7	09/10/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #7	12/03/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs#1 (DX-68-23-301)	03/10/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs#1 (DX-68-23-301)	06/03/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs#1 (DX-68-23-301)	09/09/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hueco Springs A (DX-68-15-901)	03/11/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hueco Springs A (DX-68-15-901)	06/04/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hueco Springs A (DX-68-15-901)	09/10/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050

Table C-12. (cont.) Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (mg/L)	TEPP (µg/L)	Toku-thion (µg/L)	Total PCBs (µg/L)	Toxaphene (µg/L)
Hueco Springs A (DX-68-15-901)	12/03/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hueco Springs B	03/10/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Blanco River at Wimberley [8171000]	05/05/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Blanco River at Wimberley [8171000]	10/06/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hondo Creek near Tarpley [8200000]	05/08/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hondo Creek near Tarpley [8200000]	10/09/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Medina River at Bandera [8178880]	05/09/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Medina River at Bandera [8178880]	10/10/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Seco Creek at Miller Ranch [8201500]	05/07/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Seco Creek at Miller Ranch [8201500]	10/08/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Dry Frio River at Reagan Wells [8196000]	05/07/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Dry Frio River at Reagan Wells [8196000]	10/08/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Frio River at Concan [8195000]	05/07/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Frio River at Concan [8195000]	10/08/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Nueces River at Laguna [8190000]	05/06/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Nueces River at Laguna [8190000]	10/07/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Sabinal River near Sabinal [8198000]	05/07/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Sabinal River near Sabinal [8198000]	10/08/08	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050

NA = Not Analyzed

Table C-13. Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)
San Antonio Springs	03/14/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Antonio Springs	09/21/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	03/14/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	06/05/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	09/21/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	12/04/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00
Comal Springs #3	03/11/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	06/03/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	09/09/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	12/02/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00
Comal Springs #7	03/11/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	06/04/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	09/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	12/03/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	03/11/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	06/04/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	09/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	12/03/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00
Hueco Springs B	03/10/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Blanco River at Wimberley [8171000]	08/26/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Fern Bank Springs	08/26/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<1.00	<1.00	<0.50	<0.50	<1.00	<0.50	<1.00	<1.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Bromo-benzene (µg/L)	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Butanone (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)
San Antonio Springs	03/14/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Antonio Springs	09/21/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Pedro Springs	03/14/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Pedro Springs	06/05/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Pedro Springs	09/21/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Pedro Springs	12/04/08	<0.50	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Comal Springs #3	03/11/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs #3	06/03/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs #3	09/09/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs #3	12/02/08	<0.50	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Comal Springs #7	03/11/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs #7	06/04/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs #7	09/10/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs #7	12/03/08	<0.50	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Comal Springs#1 (DX-68-23-301)	03/10/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.50	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Hueco Springs A (DX-68-15-901)	03/11/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Hueco Springs A (DX-68-15-901)	06/04/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Hueco Springs A (DX-68-15-901)	09/10/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Hueco Springs A (DX-68-15-901)	12/03/08	<0.50	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Hueco Springs B	03/10/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Blanco River at Wimberley [8171000]	08/26/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
Fern Bank Springs	08/26/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Bromo-benzene (µg/L)	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Butanone (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.50	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<2.00	<10.00	<2.00	<2.00	<10.00	<10.00	<2.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.50	<1.00	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	2-Chloro-ethyl-vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)
San Antonio Springs	03/14/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Antonio Springs	09/21/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Pedro Springs	03/14/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Pedro Springs	06/05/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Pedro Springs	09/21/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Pedro Springs	12/04/08	<1.00	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Comal Springs #3	03/11/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs #3	06/03/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs #3	09/09/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs #3	12/02/08	<1.00	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Comal Springs #7	03/11/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs #7	06/04/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs #7	09/10/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs #7	12/03/08	<1.00	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Comal Springs#1 (DX-68-23-301)	03/10/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<1.00	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Hueco Springs A (DX-68-15-901)	03/11/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Hueco Springs A (DX-68-15-901)	06/04/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Hueco Springs A (DX-68-15-901)	09/10/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Hueco Springs A (DX-68-15-901)	12/03/08	<1.00	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
Hueco Springs B	03/10/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Blanco River at Wimberley [8171000]	08/26/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
Fern Bank Springs	08/26/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	2-Chloro-ethyl-vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<1.00	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<5.00	<2.00	<10.00	<10.00	<2.00	<2.00	<10.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<1.00	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	cis-1,2-Dichloroethene (µg/L)	cis-1,3-Dichloropropene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	Dibromochloromethane (µg/L)	1,2-Dibromoethane (µg/L)	Dibromomethane (µg/L)	Dichlorodifluoromethane (µg/L)	1,2-Dichlorobenzene (µg/L)
San Antonio Springs	03/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Antonio Springs	09/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Pedro Springs	03/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Pedro Springs	06/05/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
San Pedro Springs	09/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Pedro Springs	12/04/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<10.00
Comal Springs #3	03/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Comal Springs #3	06/03/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
Comal Springs #3	09/09/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Comal Springs #3	12/02/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<10.00
Comal Springs #7	03/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Comal Springs #7	06/04/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
Comal Springs #7	09/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Comal Springs #7	12/03/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<10.00
Comal Springs#1 (DX-68-23-301)	03/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<10.00
Hueco Springs A (DX-68-15-901)	03/11/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Hueco Springs A (DX-68-15-901)	06/04/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	09/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Hueco Springs A (DX-68-15-901)	12/03/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<10.00
Hueco Springs B	03/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
Blanco River at Wimberley [8171000]	08/26/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
Fern Bank Springs	08/26/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	cis-1,2-Dichloro-ethene (µg/L)	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo-3-chloro-propane (µg/L)	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<2.00	<2.00	<2.00	<2.00	<2.00	<10.00	<2.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<10.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)
San Antonio Springs	03/14/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	09/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	03/14/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	06/05/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	09/21/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	12/04/08	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Comal Springs #3	03/11/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	06/03/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	09/09/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	12/02/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Comal Springs #7	03/11/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	06/04/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	09/10/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	12/03/08	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Comal Springs#1 (DX-68-23-301)	03/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hueco Springs A (DX-68-15-901)	03/11/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	06/04/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	09/10/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/03/08	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hueco Springs B	03/10/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Blanco River at Wimberley [8171000]	08/26/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Fern Bank Springs	08/26/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<2.00	<10.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexachloro-butadiene (µg/L)	2-Hexanone (µg/L)	Iodo-methane (µg/L)	Isopropyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	m,p-Xylene (µg/L)
San Antonio Springs	03/14/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	09/21/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	03/14/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	06/05/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	09/21/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	12/04/08	<0.50	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<1.00
Comal Springs #3	03/11/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	06/03/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	09/09/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	12/02/08	<0.50	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<1.00
Comal Springs #7	03/11/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	06/04/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	09/10/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	12/03/08	<0.50	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<1.00
Comal Springs#1 (DX-68-23-301)	03/10/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.50	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<1.00
Hueco Springs A (DX-68-15-901)	03/11/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	06/04/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	09/10/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/03/08	<0.50	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<1.00
Hueco Springs B	03/10/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Blanco River at Wimberley [8171000]	08/26/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Fern Bank Springs	08/26/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexachloro-butadiene (µg/L)	2-Hexanone (µg/L)	Iodo-methane (µg/L)	Isopropyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	m,p-Xylene (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.50	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.50	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<1.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Methyl tert-butyl ether (µg/L)	4-Methyl-2-pentanone (µg/L)	Methylene Chloride (µg/L)	Naphthalene (µg/L)	n-Butanol (µg/L)	n-Butylbenzene (µg/L)	n-Propylbenzene (µg/L)	o-Xylene (µg/L)
San Antonio Springs	03/14/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Antonio Springs	09/21/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	03/14/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	06/05/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	09/21/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	12/04/08	<0.50	<0.50	<0.50	<10.00	<1.00	<0.50	<0.50	<0.50
Comal Springs #3	03/11/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	06/03/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	09/09/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	12/02/08	<0.50	<0.50	<0.50	<10.00	<1.00	<0.50	<0.50	<0.50
Comal Springs #7	03/11/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	06/04/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	09/10/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	12/03/08	<0.50	<0.50	<0.50	<10.00	<1.00	<0.50	<0.50	<0.50
Comal Springs#1 (DX-68-23-301)	03/10/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.50	<0.50	<0.50	<10.00	<1.00	<0.50	<0.50	<0.50
Hueco Springs A (DX-68-15-901)	03/11/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	06/04/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	09/10/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/03/08	<0.50	<0.50	<0.50	<10.00	<1.00	<0.50	<0.50	<0.50
Hueco Springs B	03/10/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Blanco River at Wimberley [8171000]	08/26/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
Fern Bank Springs	08/26/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Methyl tert-butyl ether (µg/L)	4-Methyl-2-pentanone (µg/L)	Methylene Chloride (µg/L)	Naphthalene (µg/L)	n-Butanol (µg/L)	n-Butylbenzene (µg/L)	n-Propylbenzene (µg/L)	o-Xylene (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.50	<0.50	<0.50	<10.00	<1.00	<0.50	<0.50	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<2.00	<10.00	<2.00	<10.00	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.50	<0.50	<0.50	<10.00	<1.00	<0.50	<0.50	<0.50

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	sec-Butyl-benzene (µg/L)	Styrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)	Toluene (µg/L)
San Antonio Springs	03/14/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Antonio Springs	09/21/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Pedro Springs	03/14/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Pedro Springs	06/05/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Pedro Springs	09/21/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Pedro Springs	12/04/08	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50
Comal Springs #3	03/11/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs #3	06/03/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs #3	09/09/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs #3	12/02/08	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50
Comal Springs #7	03/11/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs #7	06/04/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs #7	09/10/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs #7	12/03/08	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50
Comal Springs#1 (DX-68-23-301)	03/10/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50
Hueco Springs A (DX-68-15-901)	03/11/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	06/04/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	09/10/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/03/08	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50
Hueco Springs B	03/10/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Blanco River at Wimberley [8171000]	08/26/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
Fern Bank Springs	08/26/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	sec-Butyl-benzene (µg/L)	Styrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)	Toluene (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<2.00	<2.00	<2.00	<10.00	<10.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)
San Antonio Springs	03/14/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	09/21/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	03/14/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	06/05/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	09/21/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	12/04/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
Comal Springs #3	03/11/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	06/03/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	09/09/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	12/02/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
Comal Springs #7	03/11/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	06/04/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	09/10/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	12/03/08	<0.50	<0.50	<1.00	<10.00	<0.50	<0.50	<0.50	<0.50
Comal Springs#1 (DX-68-23-301)	03/10/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	06/03/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	09/09/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/02/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
Hueco Springs A (DX-68-15-901)	03/11/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	06/04/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	09/10/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/03/08	<0.50	<0.50	<1.00	<10.00	<0.50	<0.50	<0.50	<0.50
Hueco Springs B	03/10/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Blanco River at Wimberley [8171000]	08/26/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
Fern Bank Springs	08/26/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	06/02/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	06/02/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<2.00	<10.00	<10.00	<10.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<0.50	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50

Table C-14. Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Acena-phthene (µg/L)	Acena-phthylene (µg/L)	Aniline (µg/L)	Anthracene (µg/L)	Azo-benzene (µg/L)	Benzidine (µg/L)	Benzo(a) anthrax-cene (µg/L)	Benzo(a) pyrene (µg/L)
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Benzo(b) fluor-anthene (µg/L)	Benzo (g,h,I)pery-lene (µg/L)	Benzo(k) fluoran-thene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	bis(2-chloroethoxy) methane (µg/L)	bis(2-chloroethyl) ether (µg/L)	bis(2-chloroiso-propyl) ether (µg/L)
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	bis(2-ethyl-hexyl) adipate (µg/L)	bis(2-ethyl-hexyl) phthalate (µg/L)	4-Bromo-phenyl phenyl ether (µg/L)	Butyl benzyl phthalate (µg/L)	4-Chloro-3-methyl-phenol (µg/L)	4-Chloro-aniline (µg/L)	2-Chloro-naphtha-lene (µg/L)	2-Chloro-phenol (µg/L)
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	4-Chloro-phenyl phenyl ether (µg/L)	Chrysene (µg/L)	Cresols (total) (µg/L)	Dibenz(a,h) anthracene (µg/L)	Dibenz(a,j) acridine (µg/L)	Dibenzo-furan (µg/L)	3,3'-Dichloro-benzidine (µg/L)	2,4-Dichloro-phenol (µg/L)
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	2,6-Dichloro-phenol (µg/L)	Diethyl phthalate (µg/L)	Dimethyl phthalate (µg/L)	2,4-Dimethyl-phenol (µg/L)	Di-n-butyl phthalate (µg/L)	4,6-Dinitro-2-methyl-phenol (µg/L)	2,4-Dinitro-phenol (µg/L)	2,4-Dinitro-toluene (µg/L)
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	2,6-Dinitro-toluene (µg/L)	Di-n-octyl phthalate (µg/L)	Fluor-anthene (µg/L)	Fluorene (µg/L)	Hexachloro-benzene (µg/L)	Hexa-chloro-cyclo-penta-diene (µg/L)	Hexa-chloro-ethane (µg/L)	Indeno (1,2,3-cd) pyrene (µg/L)
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Isophorone (µg/L)	2-Methylnaphthalene (µg/L)	2-Methylphenol (µg/L)	4-Methylphenol (µg/L)	2-Nitroaniline (µg/L)	3-Nitroaniline (µg/L)	4-Nitroaniline (µg/L)	Nitrobenzene (µg/L)
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Nitro-benzene	2-Nitro-phenol	4-Nitro-phenol	n-Nitro-sodiethyl-amine	n-Nitro-sodimethyl-amine	n-Nitroso di-n-propyl-amine	n-Nitro-sodiphenyl-amine	Penta-chloro-benzene
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Table C-14. (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2008

Station Name	Date Sampled	Phenan-threne	Phenol	Pyrene	Pyridine	2,4,5-Trichloro-phenol	2,4,6-Trichloro-phenol
San Antonio Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Antonio Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	03/14/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	09/21/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Pedro Springs	12/04/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #3	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs #7	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	09/09/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Comal Springs#1 (DX-68-23-301)	12/02/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	03/11/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	09/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs A (DX-68-15-901)	12/03/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hueco Springs B	03/10/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/07/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	09/08/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/01/08	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

NA = Not Analyzed

APPENDIX D –

Conversion Factors

Volume	Equivalent Units
1 cubic foot	7.48 gallons
	62.41 lbs. of water (1 gal. weighs ~ 8.35 pounds: ~62.45)
1 acre-foot	43,560 cubic feet
	325,851 gallons
	Covers one acre of land (209 feet by 209 feet) one foot deep
1 million gallons	3.07 acre-feet
Flow Rate	
1 cubic foot per second (cfs)	448.80 gallons per minute
	646,272 gallons per day
	1.98 acre-feet per day
	0.65 million gallons per day (0.646272, or approximately 0.65 million gallons per day)
	59.4 acre-feet per month
	236 million gallons per year (0.646272 × 365 = 235.89 million gallons per year)
	724 acre-feet per year (235.89 × 3.07 = 724.18 acre-feet per year)
1 million gallons per day (mgd)	3.07 acre-feet per day
	1,120.55 acre-feet per year
1,000 gallons per minute (gpm)	2.23 cfs
	4.42 acre-feet per day

Cost	
10 cents per 1,000 gallons	$100.00 per 1 million gallons
	$32.59 per acre foot (Authority charges $37.00 for M/I)
0.61 cents per 1,000 gallons	$2.00 per acre foot
7.7 cents per 1,000 gallons	$25.00 per acre foot

Metric conversions	
1 acre	0.4 hectares
1 gallon	3.8 liters
1 cubic foot	0.028 cubic meters
1 cubic meter per second	15,850 gallons per minute 951,019 gallons per hour

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