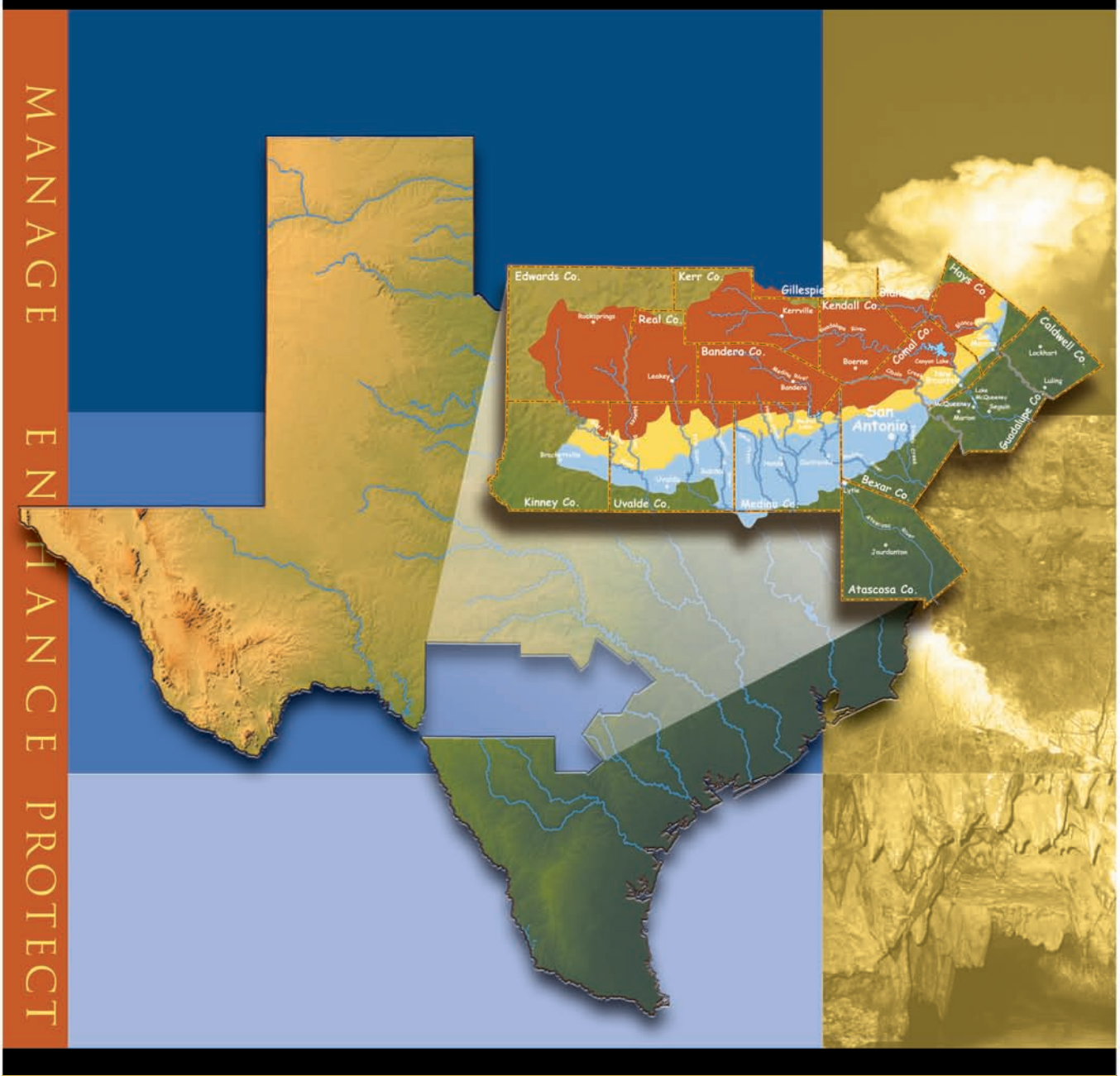
Edwards Aquifer Authority
Hydrologic Data Report
For 2007



August 2008

Report No. 08-02

EDWARDS AQUIFER
AUTHORITY

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EDWARDS AQUIFER AUTHORITY HYDROLOGIC DATA REPORT FOR 2007

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INTRODUCTION

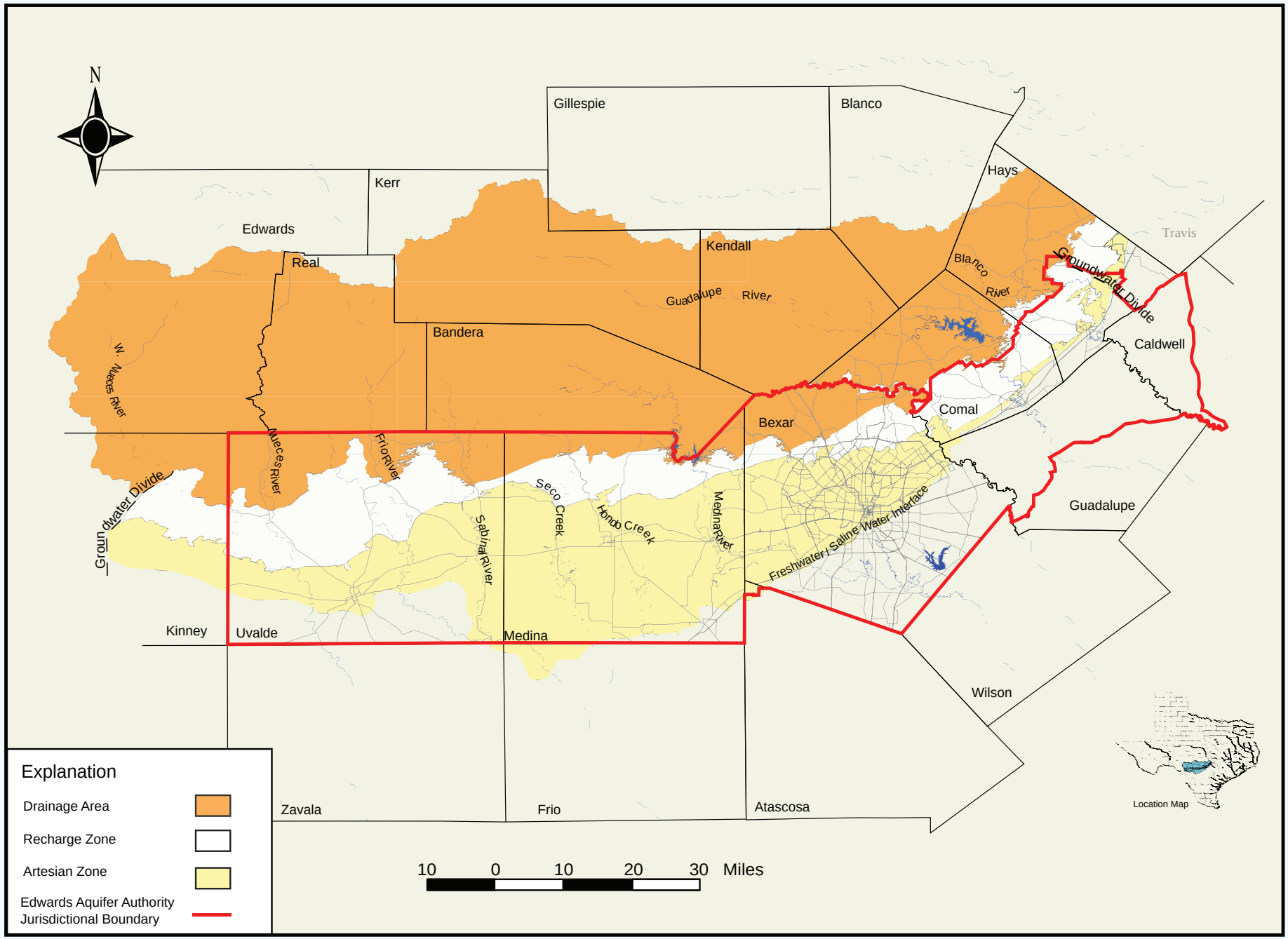
The Balcones Fault Zone Edwards Aquifer in south central Texas is one of the most permeable and productive aquifers in the United States. The San Antonio segment of the aquifer, which is the subject of this report, extends from the groundwater divide east of Brackettville in Kinney County, east to the 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 replace 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 when issues related to downstream water rights are being addressed.

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 of 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 2007. 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 annual data for the period of record (1934–2007). Each type of data that were collected is described, and a summary of the 2007 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 karst aquifer systems in the United States. Generally, the water quality in the aquifer is high. The aquifer extends through parts of Kinney, Uvalde, 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. 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. In addition, 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, Medina, Guadalupe, and San Marcos River basins.

The Edwards Aquifer is contained within the Cretaceous-age Edwards Group limestone (Edwards Limestone) and associated units. The aquifer is generally capped by the Del Rio Clay and overlies the Upper Glen Rose Formation (upper unit of the Trinity Aquifer). The Edwards Limestone and associated units range from 450 to more than 600 feet in thickness in the region. A series of faults in the Balcones Fault Zone has exposed the Edwards Limestone at 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 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 also enters the aquifer. Groundwater moves through the aquifer and ultimately discharges from a number of locations, 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. 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, have a much lower permeability. Because the Edwards Aquifer is known for having areas of high permeability, it allows the transmission of large volumes of water, consequently enabling groundwater levels to respond quickly to rainfall (recharge) events.

Historically, water quality in the Edwards Aquifer has been protected by its great depth below population centers 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 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 water table (unconfined) and the artesian (confined) zones of the Edwards, 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, are replacing older style recorders.

In 2007, the Authority's Water Level Data Collection Program consisted of 51 continuous recorder-equipped observation wells and 16 periodic manually measured observation wells. The continuous 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 measure water levels at 16 observation wells on a monthly basis. Authority staff also measure approximately 150 to 170 additional wells under a regional synoptic water level monitoring program each year and in 2006 initiated a focused synoptic water level program 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, 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 they decline during the summer before rebounding in the fall and winter. During 2007, water levels across the region were generally above the historical mean value. As indicated in Figure 3, for calendar year 2007, 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 January and parts of February and March. The minimum and maximum water levels at J-17 for 2007 were 661.97 and 700.72 feet above msl, respectively. The minimum value occurred in March, whereas the annual maximum for 2007 occurred in September. The highest water level on record at J-17 is 703.3 feet above msl, occurring in June of 1992, whereas the lowest is 612.5 feet above msl, occurring in August

(continued on page 9)

Figure 2a. Year 2007 Edwards Aquifer Authority Water Level Observation Network—Kinney, Uvalde, and Medina Counties

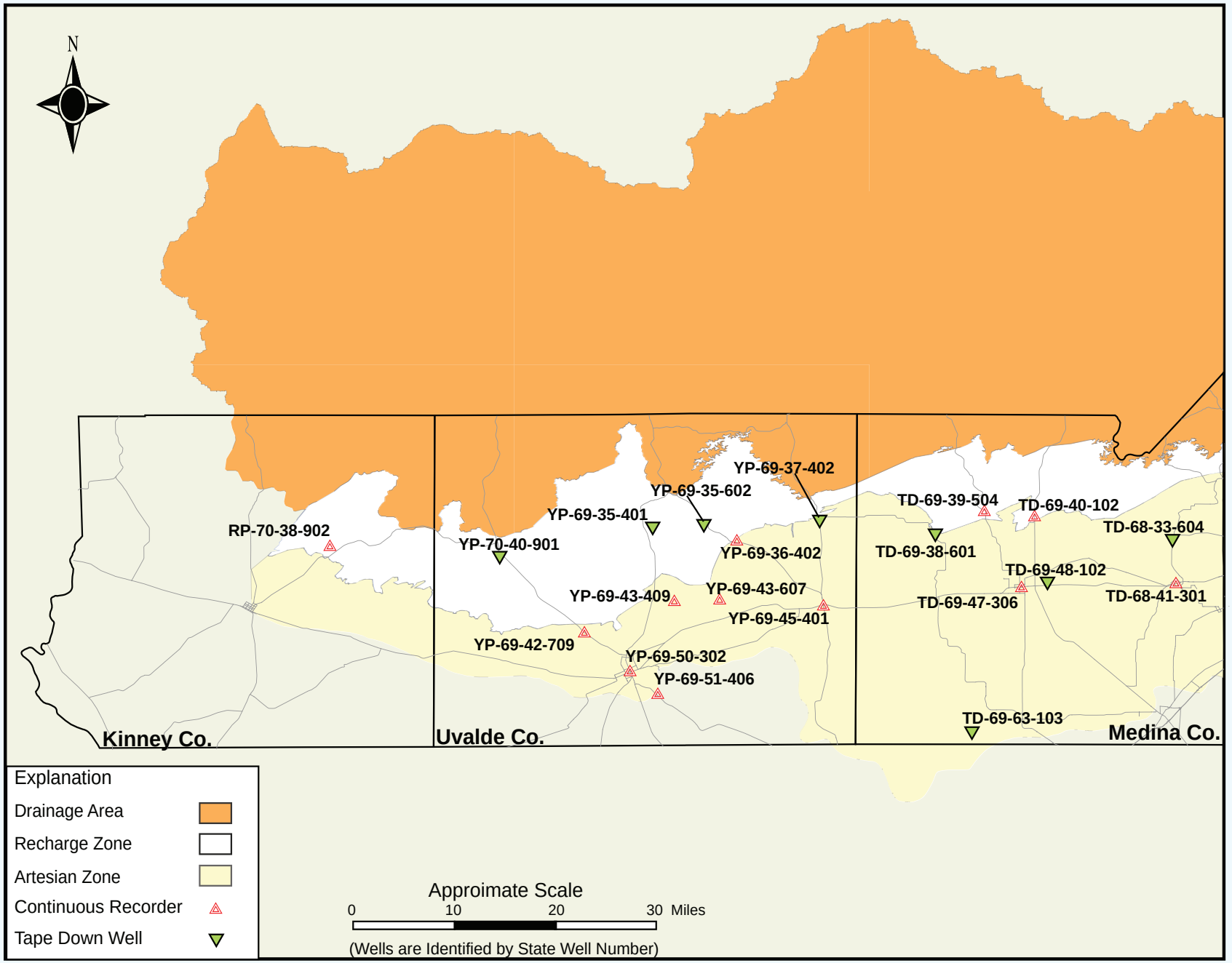


Figure 2b. Year 2007 Edwards Aquifer Authority Water Level Observation Network—Bexar County

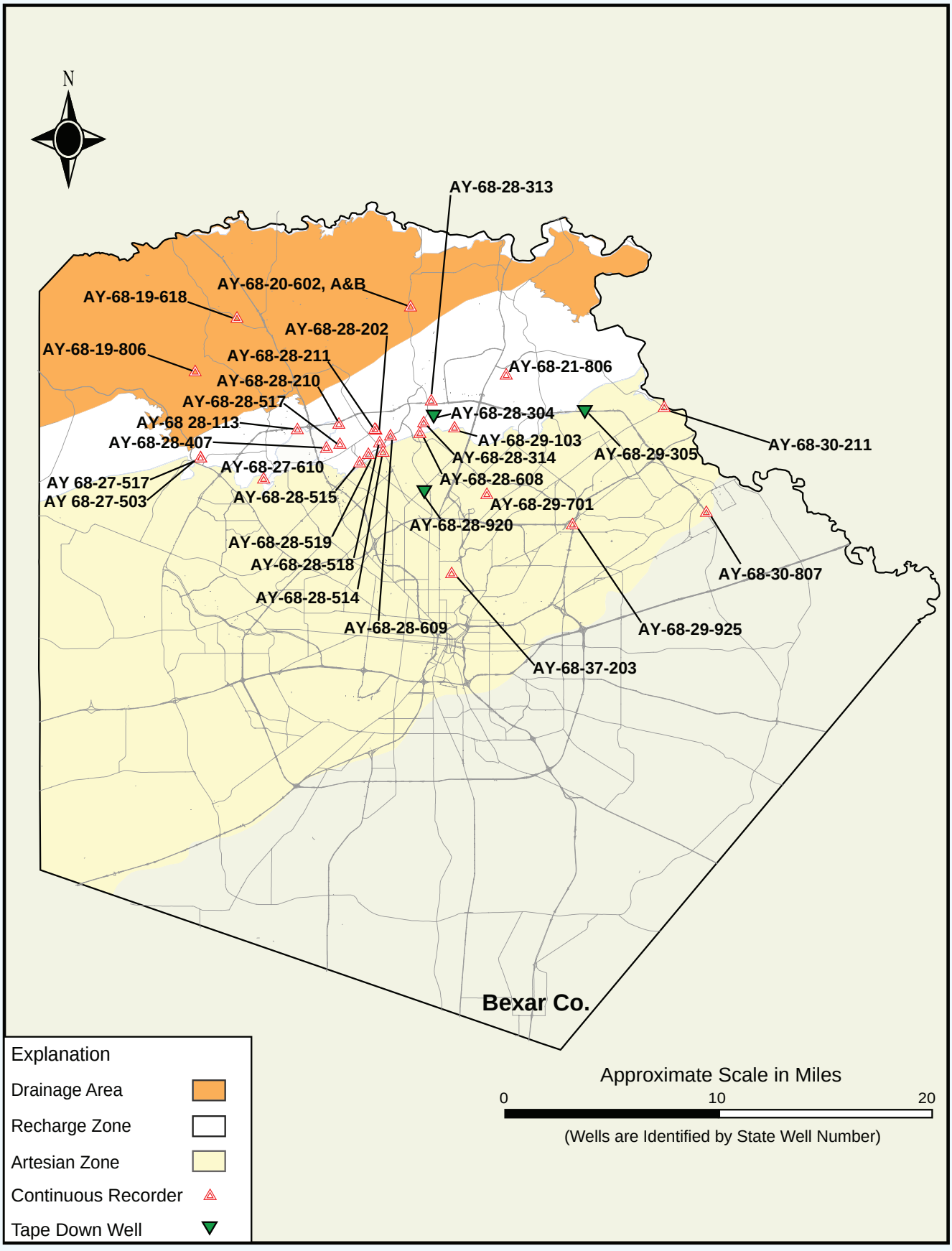


Figure 2c. Year 2007 Edwards Aquifer Authority Water Level Observation Network—Comal and Hays Counties

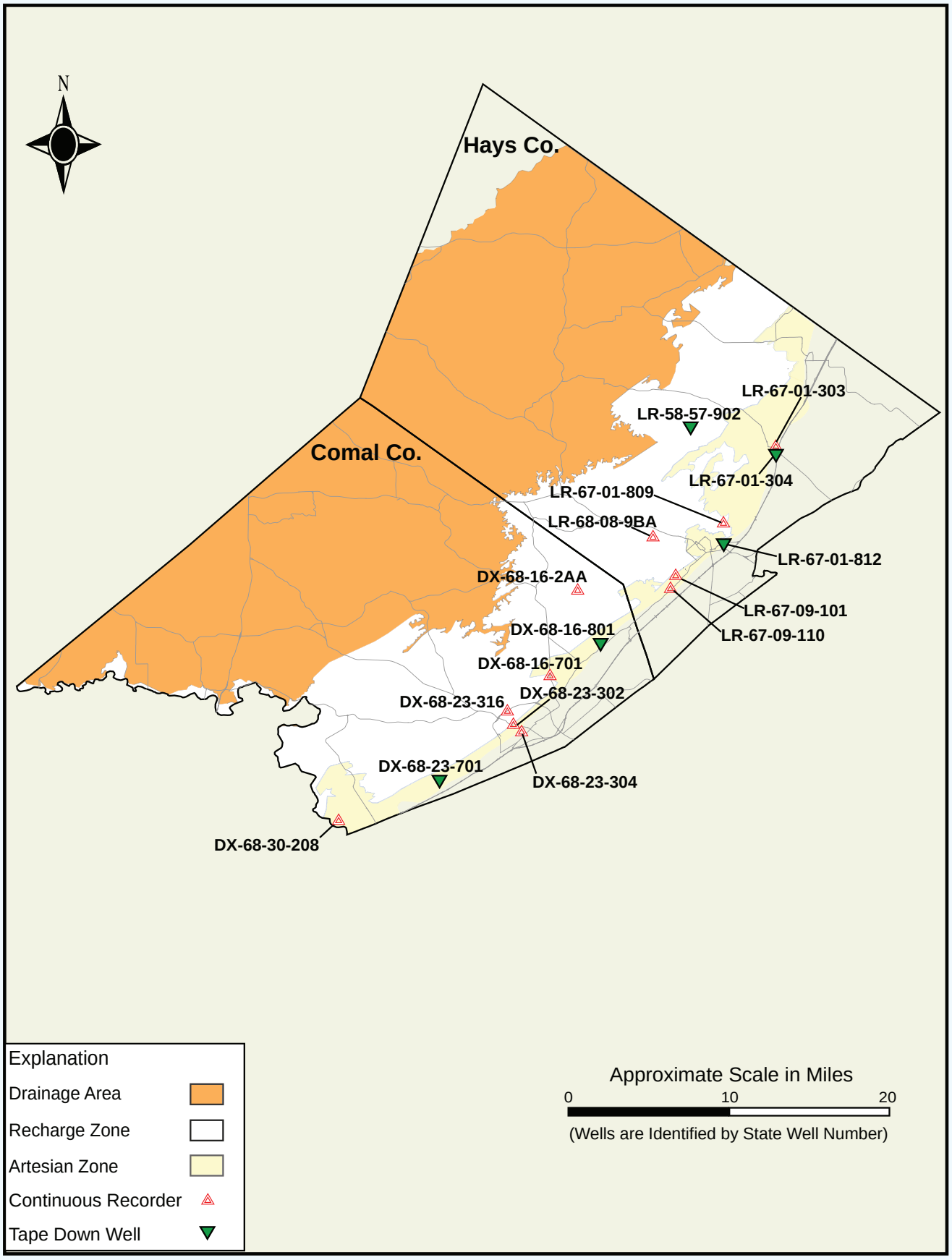


Table 1. Highest and Lowest Recorded Water Levels for Selected Observation Wells in the San Antonio Segment of the Edwards Aquifer, 1934–2007 (measured in feet above msl).

	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
Mean	High	Low	High	Low	High	Low	High	Low	High	Low
	873.5	864.6	704.4	674.8	677.2	652.7	627.0	623.7	583.6	563.9
Record Level	High	Low	High	Low	High	Low	High	Low	High	Low
	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 (2007).
[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).

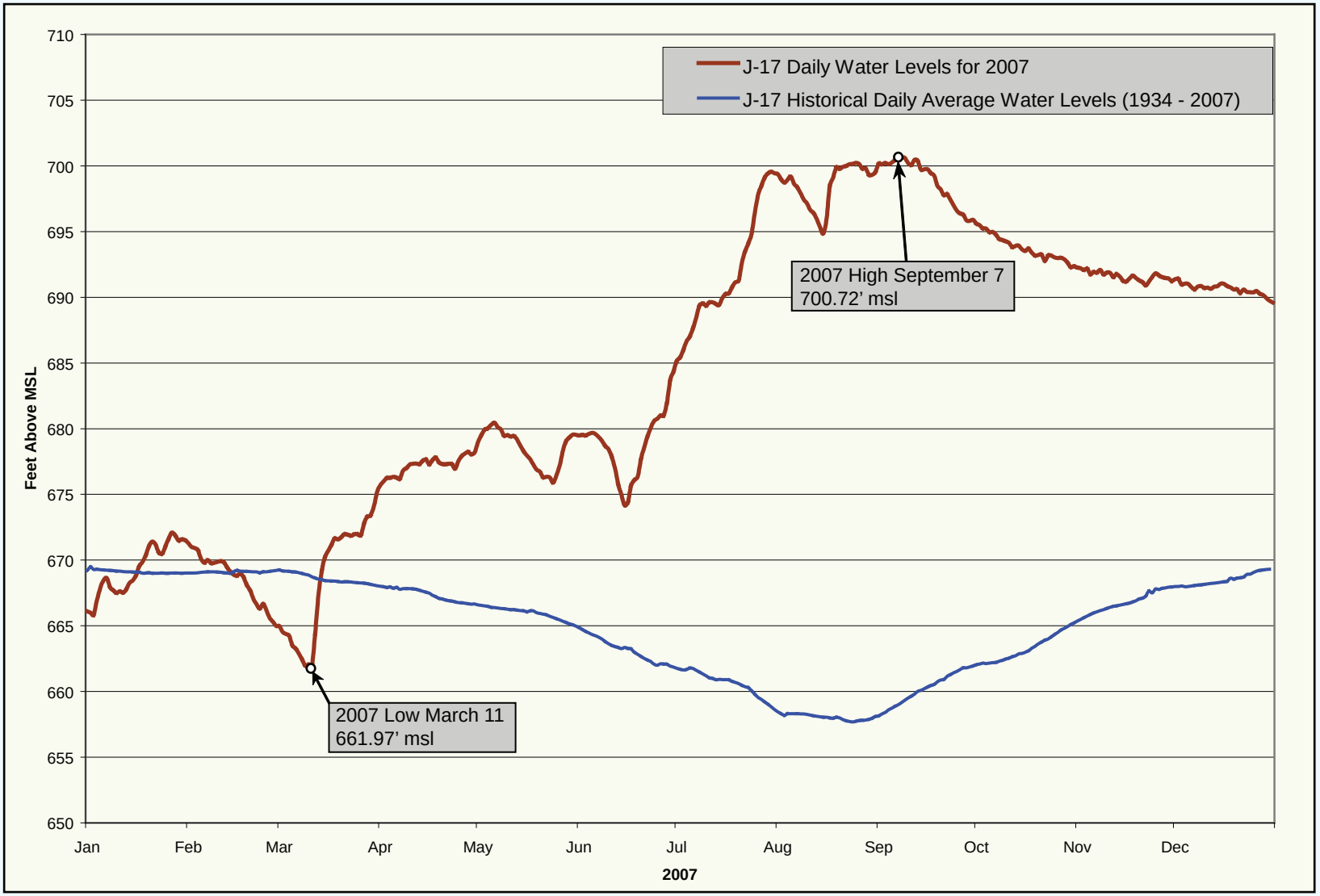
(continued from page 4)

of 1956. Other observation wells across the region exhibited behavior similar to that of J-17, with water levels generally above mean values for most of the year in response to significant rainfall events in the spring and summer. Tables A-1 through A-6 in Appendix A provide a summary of 2007 water levels for selected observation wells.

Appendix B contains the 2007 hydrographs, with precipitation measurements, for the index wells in Bexar, Medina, and Uvalde counties. Appendix B also contains the 2007 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 2007, springflow across the region was influenced by unusually high rainfall between March and August. Mean flows at Comal and San Marcos springs were above the historical average during 2007.

Figure 3. Comparison of Historical Daily Mean Water Level for the Period of Record 1934–2007 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 30.5 inches, although annual precipitation has ranged from 13.70 to 52.28 inches since 1934 (United States Department of Commerce, 2008). 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 used to calculate recharge to the Edwards Aquifer, monitor any 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 investigate groundwater-flow paths by correlating rainfall and water level responses in wells. 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 2007.

Table 2 lists annual precipitation for selected rain gauges in the region since 1934. Tables 3a and 3b show monthly measurements for 2007 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 2007, the Authority's real-time network consisted of 52 operational rain-gauge sites, as indicated on Figure 4. Currently, the Authority's real time network is in the second year of a three-year program designed to optimize rain-gauge locations. Most, but not all, of the rain-gauge stations for 2007 are located on the recharge zone and drainage area. Rain-gauge station KE-05 was removed from service in September and will be relocated to a different area in 2008.

The amount of rainfall received at the San Antonio International Airport in 2007 was approximately 55 percent above the period of record mean. Mean precipitation in San Antonio for the period between 1934 and 2007 was 30.53 inches. In 2007, total precipitation measured at the San Antonio International Airport was 47.25 inches, more than twice the 21.34 inches recorded in 2006. Calendar year 2007 rainfall totals at the San Antonio International Airport were 16.72 inches above the period of record mean for 2007. Figure 5 is a graph showing annual and mean precipitation data for San Antonio from 1934 through 2007.

Regional rainfall at the National Weather Service (NWS) Gauge locations in 2007 was above the mean across the region. For NWS stations, rainfall volumes ranged from a high of 59.0 inches in Boerne, to a low of 28.89 inches in Uvalde. Rainfall volumes in Table 2 (NWS gauges) range from 20 percent to 98 percent above annual mean values, with an average deviation from the mean rainfall value of 54 percent above normal.

Weather patterns in 2007 resulted in above-average rainfall amounts across the entire region. Calendar year 2007 was characterized by frequent heavy rainfall during the normally high-use summer months. However, rainfall was below average from October through December. According to the calibrated NEXRAD Radar summary in Figure 6, Real and Kinney counties received the lowest rainfall volumes for the year. The highest rainfall volumes were in the east half of the region, generally in Bandera, Kendall, Medina, Bexar, Comal, and 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

(continued on page 16)

Table 2. Annual Precipitation for Selected Rain Gauges in the Edwards Aquifer Region, 1934–2007 (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
Years of Record (shown)	70	74	71	74	74	74	74	74
Annual Mean	29.93	23.87	25.25	29.60	30.53	34.76	34.23	35.56

Data source: U.S. Department of Commerce (2008); NOAA (1934–2007).
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 dataset.
(NOAA records may exceed the period of record shown in Table 2 for some locations)

Table 3a. Monthly Precipitation Data from Selected Edwards Aquifer Authority and National Oceanic and Atmospheric Administration Precipitation-Gauging Stations, 2007 (measured in inches).

Gauge	County	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
San Antonio Intl. Airport	Bexar	4.33	0.08	7.24	4.61	3.35	6.47	11.76	6.77	1.09	0.75	0.40	0.40	47.25
Vanderpool 10N	Bandera	2.86	0.00	4.84	2.44	7.65	4.45	12.84	5.41	5.11	0.80	0.33	0.50	47.23
Vanderpool 4N	Bandera	2.67	0.12	4.57	1.99	8.63	4.24	13.87	3.96	5.39	2.4	0.67	0.82	49.33
New Braunfels	Comal	6.22	0.50	7.45	3.04	4.12	5.49	12.49	3.91	1.07	0.25	0.35[m]	0.51	45.40
San Marcos	Hays	7.49	0.19	6.72	3.67	4.42	4.47	9.41	1.57	1.05	0.83	1.22	0.55	41.59
Kerrville 3 NNE	Kerr	3.27	0.11	9.65	2.42	9.81	7.68	6.91	6.05	2.76	1.02	1.06	0.36	51.10
Hondo	Medina	4.12	0.06	7.14	1.87	8.78	9.67	15.08	7.21	2.58	0.33	0.43	0.31	57.58
Brackettville 22N	Kinney	2.25	0.08	6.24	2.99	4.9	4.25	8.63	0.85	6.25	0.59	1.16	0.74	38.93
Prade Ranch	Real	2.38	0.00	6.59	2.20	7.03	9.17	6.01	2.54	5.40	0.70	0.90	0.68	43.60
Sabinal	Uvalde	3.85	0.10	4.71	2.91	5.29[m]	4.11	9.67	2.81	2.66	0.75	0.39	0.30	37.55
Uvalde	Uvalde	2.62	0.02	1.94	1.73	5.67	3.39	8.86	1.76	1.94	0.33	0.47	0.16	28.89
Boerne	Kendall	3.21	0.00	8.07	1.88	8.5	4.69	14.48	3.26	4.1	1.13	0.51	0.57	50.40

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

Table 3b. Deviation from Mean Rainfall Values, 2007.

Gauge	County	Mean	Total	Deviation from Mean
San Antonio Intl. Airport	Bexar	30.53	47.25	+16.72
New Braunfels	Comal	34.23	45.40	+11.17
San Marcos	Hays	35.56	41.59	+ 6.03
Hondo	Medina	29.60	57.58	+27.98
Uvalde	Uvalde	23.87	28.89	+ 5.02

(Rainfall amounts shown in inches)

Table 4. 2007 Monthly Precipitation Totals for the Real-Time Network Rain Gauges (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	3.9	1.5	3.1	2.4	3.9	3.4	5.0	3.7	3.5	2.0	2.7	5.5	2.3	1.9	0.4	1.4	1.6	6.3
February	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	0.1	0.0	0.0	0.0
March	5.2	8.9	4.0	3.4	5.4	5.7	7.1	4.5	8.2	3.5	1.8	5.4	5.6	5.4	3.4	5.3	5.7	7.8
April	2.8	4.3	1.7	1.8	2.4	2.5	2.9	1.4	2.9	3.3	1.0	4.7	0.0	3.5	2.1	2.5	2.4	3.3
May	4.6	8.1	8.8	8.0	4.0	6.3	4.7	4.0	5.7	2.7	2.7	2.0	2.9	5.3	7.8	5.9	8.3	5.6
June	4.1	4.3	4.5	3.1	6.0	7.0	8.1	7.0	8.3	0.2	2.1	6.6	1.9	4.7	6.5	6.6	8.7	4.3
July	7.2	10.4	8.3	10.6	8.4	6.0	7.2	10.1	10.2	0.0	2.7	11.2	1.6	7.1	1.6	6.5	6.7	13.2
August	9.3	4.5	4.1	3.6	9.3	1.3	8.0	7.2	6.8	2.9*	0.8*	0.8	1.5*	2.7	1.3	1.5	1.5	1.7
September	2.3	3.4	2.8	3.4	2.9	2.0	0.8	5.2	4.4	1.4	1.0	1.6	0.1	2.4	0.4	3.7	3.0	1.3
October	1.2	0.8	0.5	1.3	0.4	0.0	0.5	1.2	0.9	0.4	1.1	0.7	0.3	0.3	0.0	2.2	0.3	1.5
November	0.4	0.4	0.6	0.5	0.4	0.0	0.4	0.3	0.5	0.1	0.5	0.4	0.2	0.7	1.1	0.9	1.1	0.7
December	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.3	0.0	0.5	0.3	0.0	0.1	0.0	0.3	0.1	0.5
Mo. Totals	41.3	47.0	38.5	38.3	43.2	34.4	44.9	44.6	51.5	ND	ND	39.3	ND	34.1	24.6	36.8	39.4	46.0

	HA06	HA08	KE01	KE02	KE04	KE05	KI01	KI02	KI04	ME01	ME03	ME07	ME10	ME12	ME15	ME17	ME19
January	7.0	1.2	6.8	7.5	4.2	7.3	2.7	1.4	1.8	2.1	4.0	3.6	2.5	2.3	1.1	3.4	5.2
February	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
March	7.9	2.6	7.8	8.7	4.6	7.0	1.9	4.1	4.0	4.1	6.0	6.0	5.2	3.5	4.5	3.3	4.7
April	3.2	2.0	1.8	2.3	2.0	1.8	0.6	1.6	1.3	3.0	2.2	2.4	2.7	2.6	3.9	2.4	2.8
May	5.7	4.7	4.8	5.5	5.3	4.6	4.3	4.9	6.3	2.6	5.3	5.7	4.5	5.3	1.7	6.1	2.1
June	4.5	2.3	4.6	4.0	3.9	0.0	5.3	4.3	7.5	4.9	5.5	6.1	6.3	4.5	1.5	7.2	5.0
July	16.8	3.7	10.7	3.9	7.0	7.6	6.1	7.8	6.8	5.3	9.7	6.1	10.4	6.9	0.0	9.0	13.6
August	2.7	1.5*	6.7	4.6	8.6	7.4	0.7	1.0	0.4	3.6	9.4	7.6	5.7	5.5	5.3	6.2	5.3
September	1.4	1.8	1.9	1.5	2.5	1.4	3.6	3.8	4.3	1.8	3.7	3.3	1.3	1.5	*	1.7	1.3
October	2.1	0.2	1.0	0.7	1.5	RL	0.1	1.0	0.5	0.5	0.6	0.3	1.2	0.4	0.0	1.2	0.6
November	0.6	0.0	0.4	0.7	0.5	RL	0.0	0.5	0.7	0.1	0.4	0.4	0.2	0.2	0.0	0.4	0.2
December	0.3	0.0	0.2	0.2	0.1	RL	0.0	0.3	0.3	0.1	0.3	0.1	0.2	0.2	0.3	0.1	0.1
Mo. Totals	52.0	ND	46.5	39.4	40.4	ND	25.4	30.6	33.9	27.9	47.0	41.7	40.3	32.8	ND	41.1	40.8

	ME20	RE01	RE03	RE04	RE05	RE06	UV02	UV05	UV07	UV09	UV10	UV12	UV13	UV14	UV16	UV18	UV20
January	2.2	0.8	2.0	1.8	2.0	3.4	2.3	1.8	2.3	1.9	2.2	2.3	0.9	3.9	2.5	1.9	1.8
February	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
March	5.6	3.1	2.7	4.1	4.4	5.8	1.7	2.3	4.3	1.1	1.4	2.7	0.6	2.4	2.5	3.9	6.3
April	3.6	2.3	2.1	2.0	2.2	2.2	2.7	2.1	2.1	1.8	2.2	2.2	1.6	1.7	1.7	1.7	2.4
May	7.3	5.3	7.3	4.2	6.1	6.4	4.8	6.1	7.3	4.0	4.4	6.4	3.9	5.1	5.2	5.1	4.9
June	3.2	3.6	2.9	3.9	7.8	4.2	7.1	5.4	3.9	4.2	4.2	5.1	2.7	3.8	6.4	5.2	7.2
July	14.9	8.2	5.4	6.8	7.0	8.9	14.7	16.4	11.4	8.4	13.6	19.1	8.5	12.8	6.7	4.6	6.5
August	4.9	4.0	2.0	2.8	5.0	3.2	2.9	2.0	3.3	2.4	2.1	2.6	0.5	1.3	0.9	1.3	2.4
September	2.8	1.9	2.4	2.8	3.3	4.0	2.8	4.2	2.6	3.4	3.8	3.9	2.3	1.4	2.6	2.4	1.9
October	0.8	0.5	1.0	1.4	1.0	0.3	0.6	0.5	0.7	0.1	0.2	0.4	0.3	0.2	0.5	0.1	0.2
November	0.3	0.6	0.5	0.8	0.0	0.8	0.3	0.0	0.5	0.3	0.3	0.4	0.0	0.3	0.4	0.0	0.6
December	0.0	0.1	0.4	0.3	0.0	0.0	0.2	0.0	0.3	0.0	0.1	0.3	0.0	0.1	0.3	0.1	0.1
Mo. Totals	45.6	30.3	28.8	30.8	38.7	39.2	40.1	40.8	38.7	27.6	34.4	45.3	21.4	33.1	29.6	26.3	34.5

* = Incomplete data set.
RL = Station taken off line in September for relocation.
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 2007

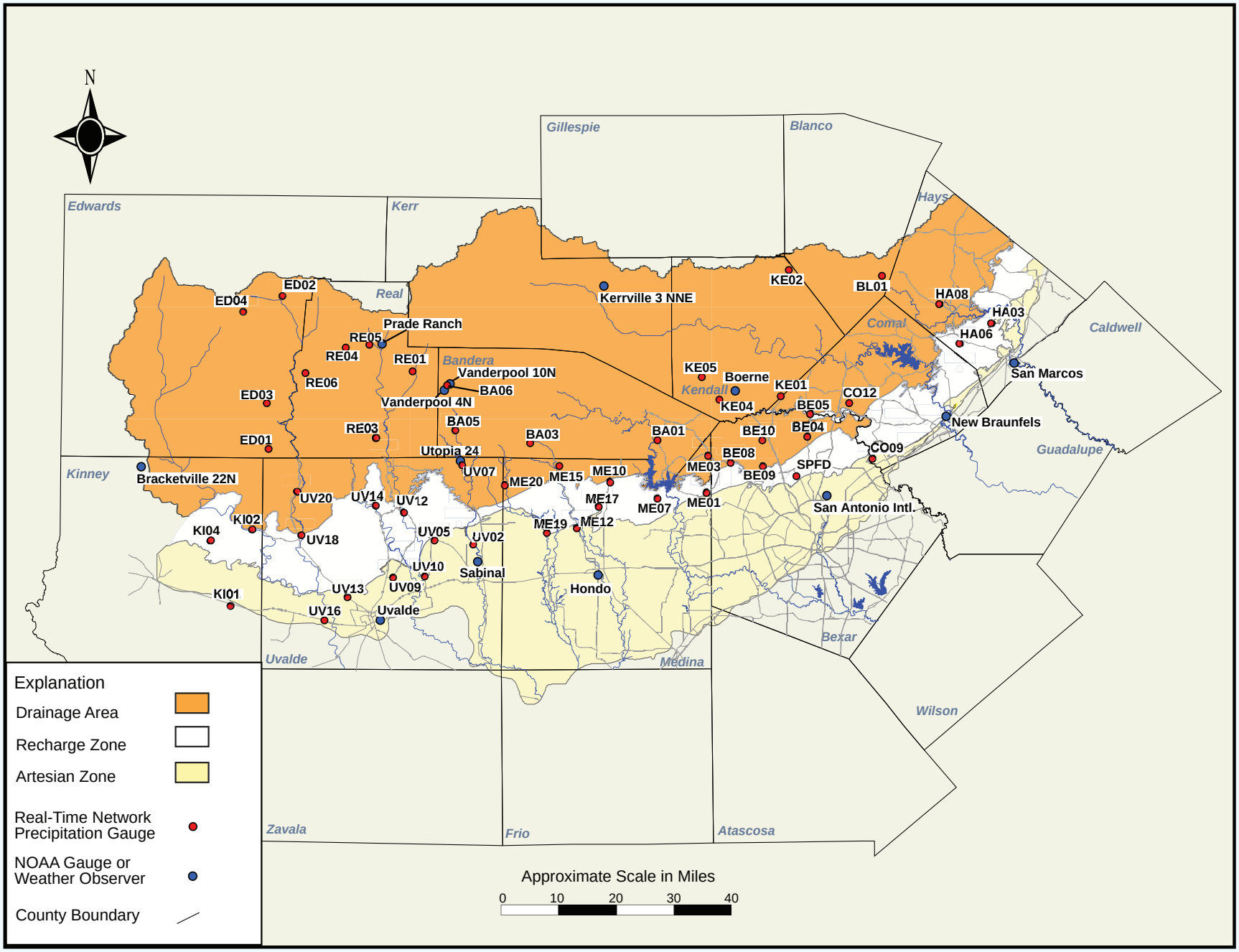
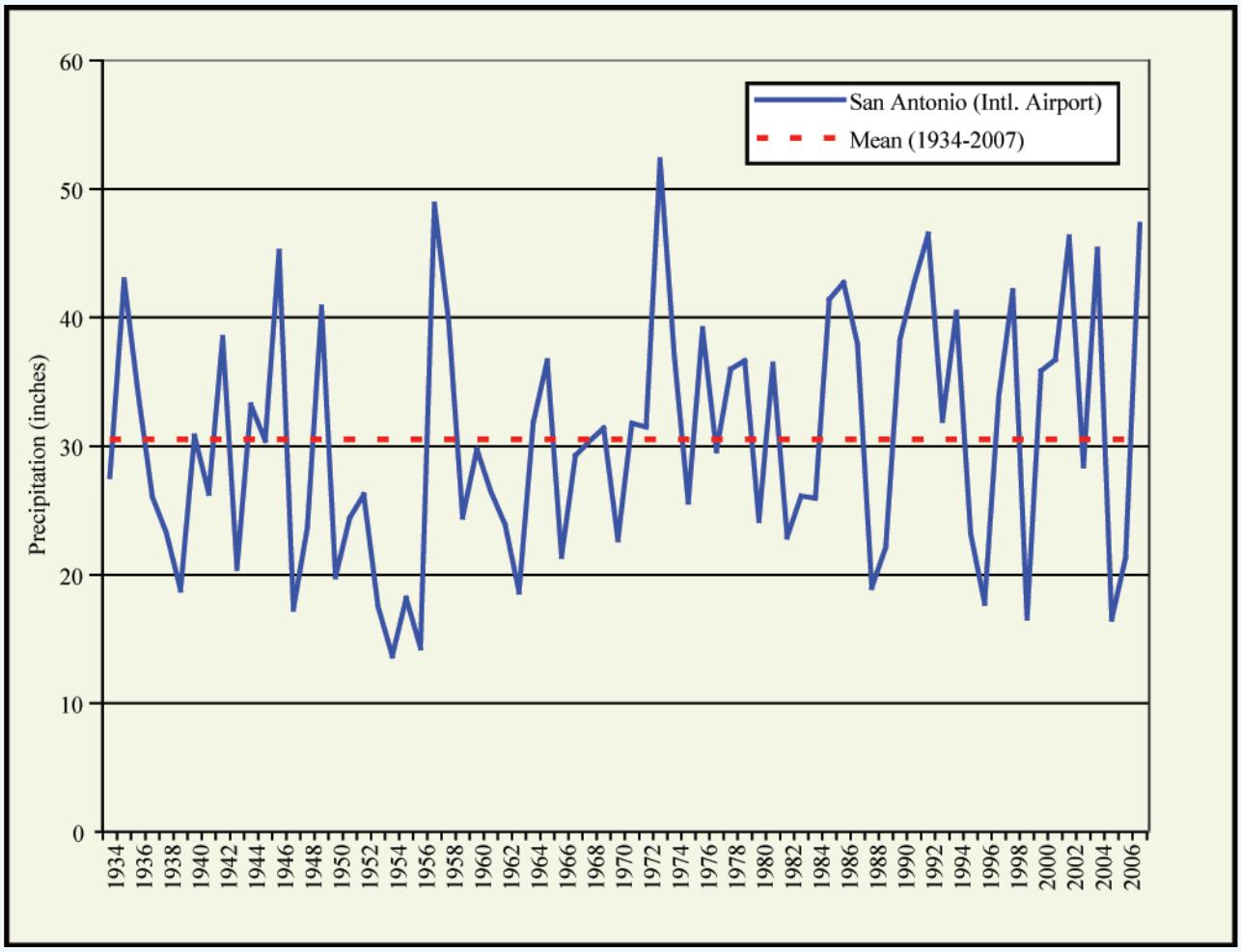


Figure 5. Annual Precipitation and Mean Precipitation for San Antonio, 1934–2007



(continued from page 11)

increment represents approximately six inches of rainfall increase compared with the adjacent color.

Calibrated NEXRAD Radar rainfall totals for the region ranged from as little as 20 inches in Kinney County southeast of the City of Bracketville, to just over 63 inches in east central Bandera County. Totals for the Authority's real-time network (Table 4) ranged from a low of 21.4 inches in southwest Uvalde County, to a high of 52.0 inches in southwest Hays County.

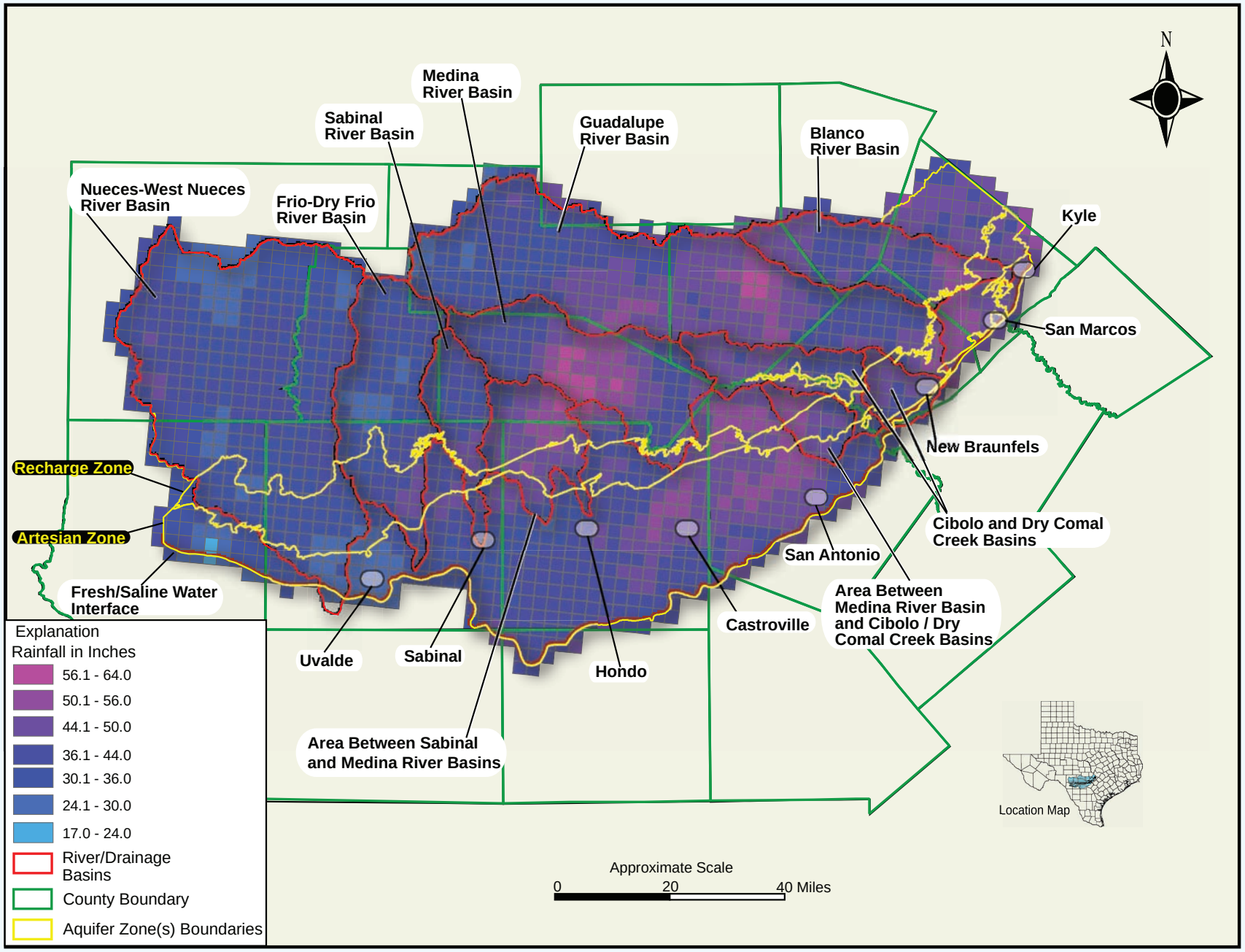
Precipitation Enhancement Program (PEP)

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, which 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 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;

Figure 6. Ground-Calibrated NEXRAD Radar Rainfall Distribution for 2007



- To reduce demands from the aquifer by increase in precipitation; and
- To reduce periods of low water levels and resulting 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, 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 the 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 the final report completed in June 2002 that the Authority's PEP had produced an additional 179,000 acre-feet of rainfall because of seeding (approximately 60,000 acre-feet per year). A finding in the report was 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. A recommendation of the report was to allow more seeding through the use of additional aircraft or downsizing the target area to concentrate seeding.

In 2002 and 2003, the Authority contracted with the South Texas Weather Modification Association to perform cloud seeding in Bandera, Bexar, and Medina counties of approximately 2,171,000 acres. During the same time period, the Authority contracted with the Southwest Texas Rain Enhancement Association to perform cloud seeding in Uvalde County, an area of approximately 949,000 acres. An independent assessment performed by Arquimedes Ruiz (2003) indicated that an additional 85,745 acre-feet of rainfall was created for Bexar, Bandera, and Medina counties, and 36,733 acre-feet of rainfall was created for Uvalde County, as a result of the 2003 cloud-seeding work.

During the 2004 season, cloud-seeding activities were conducted on 26 separate days in Bandera, Bexar, and Medina counties, and on 15 separate days in Uvalde County. In 2004, an estimated total of 12,360 grams (27.0 pounds) of silver-iodide cloud-seeding agent was dispersed in the four counties where cloud seeding is funded by the Authority. An independent assessment performed by Arquimedes Ruiz (2004) indicated that an additional 287,000 acre-feet of rainfall was created for Bexar, Bandera, and Medina counties, and 70,500 acre-feet of rainfall was created for Uvalde County as a result of the 2004 cloud-seeding work. Results for 2004 were notably higher than those reported for 2003. Meteorologists involved with the PEP and Mr. Ruiz explain that the difference is due to use of more precise National Weather Service Doppler radar for the rainfall analyses in 2004.

During the 2005 season, cloud-seeding activities were conducted on 25 separate days, with a total of 29 flights. During the season, 11,480 grams (26.3 pounds) of silver-iodide seeding agent was used. Flights were conducted as follows: Uvalde County, three days; Medina County, 19 days; Bandera County, 12 days; and Bexar County, 10 days (STWMA, 2005). Radar evaluations indicate a potential increase of 183,100 acre-feet of precipitation across the four-county area in which seeding activities were conducted (STREA, 2005).

During the 2006 season, cloud-seeding activities were conducted on 18 separate days, with a total of 20 flights. During the season, 6,520 grams (14.36 pounds) of silver-iodide seeding agent was used. Flights were conducted as follows: Uvalde County, three days; Medina County, 19 days; Bandera County, 12 days; and Bexar County, 10 days (STWMA, 2005). Radar evaluations indicate a potential increase of 183,100 acre-feet of precipitation across the four-county area in which seeding activities were conducted (STREA, 2005).

In calendar year 2007, the Authority entered into agreements with Wintergarden Groundwater Conservation District (WGCD) for cloud-seeding activities in Uvalde County and with Evergreen Underground Water District (EUWCD) for cloud seeding in Bandera, Bexar, and Medina counties. STREA performed the Uvalde County cloud seeding, and SWTMA performed the Bandera, Bexar, and Medina county cloud seeding. During the 2007 season, cloud seeding was complicated by the number of strong weather systems with substantial rainfall potential that moved through the area between May and August. As such, seeding activities were limited on account of weather and potential flooding. The total number of flights for cloud-seeding activities in 2007 was limited to seven in Uvalde County and 11 in Bandera, Bexar, and Medina counties. The total amount of seeding agent used in Uvalde County was 3,040 grams (6.7 pounds). Another 4,960 grams (10.9 pounds) of silver-iodide seeding agent was used over Bandera, Bexar, and Medina counties. Radar evaluations indicate a potential rainfall increase of 76,226 acre-feet across the four counties in which cloud-seeding activities were pursued in 2007 (Arquimedes Ruiz, 2008).

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 also flows into the Edwards Aquifer 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 5 lists estimated annual recharge by river basin from 1934 through 2007, on the basis of USGS calculations. The USGS estimates that annual recharge for the period of record (1934–2007) 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 2007, estimated recharge was 2,162,300 acre-feet. The median annual recharge for 1934 through 2007 is 585,700 acre-feet, and the median annual recharge for the last 10 years is 916,700 acre-feet. Figure 8 is a graph of annual total recharge compared with the 10-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 2007.

Table 5 does not include the Guadalupe River Basin because the historical method of estimating

(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

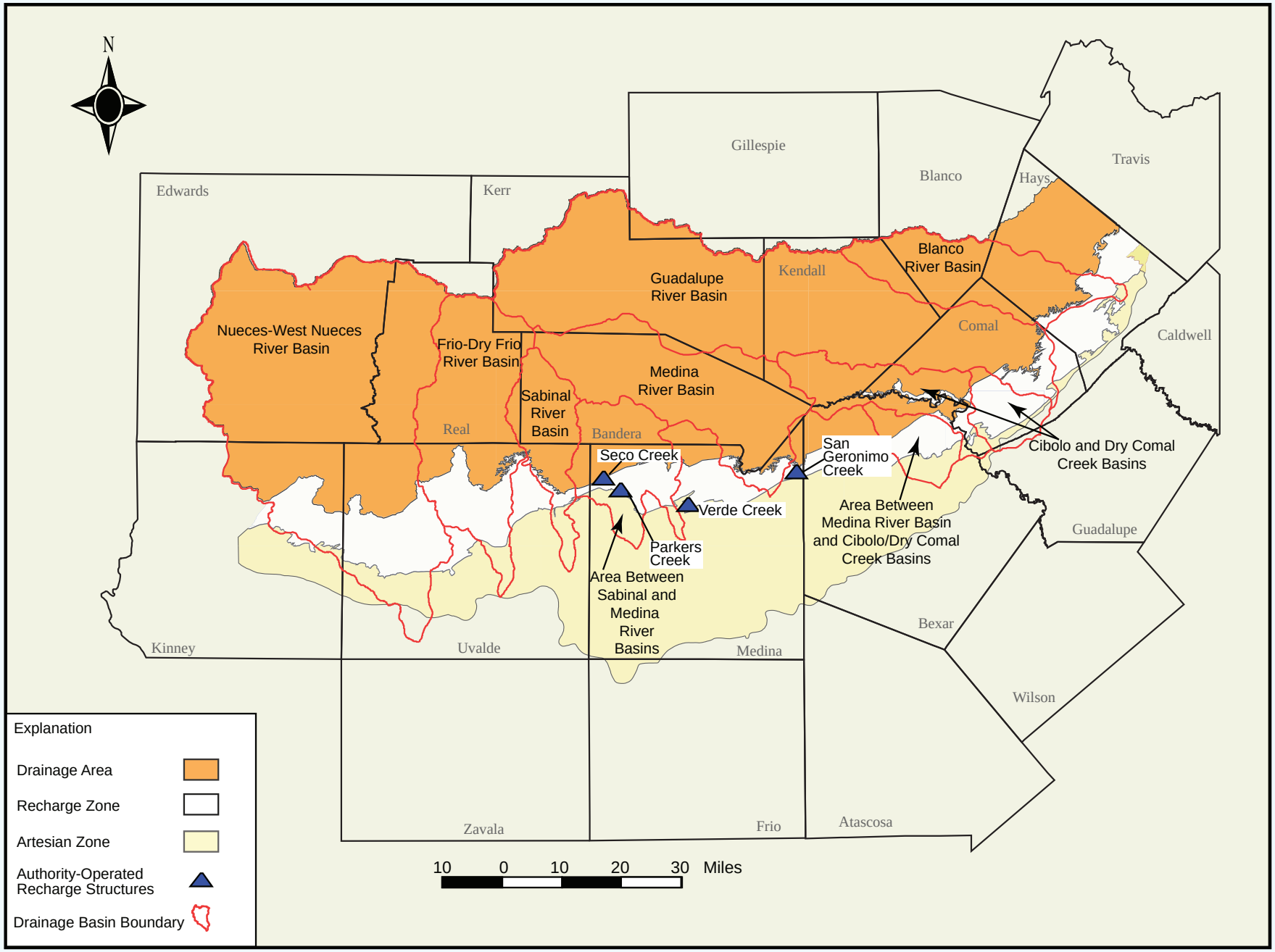


Table 5. Estimated Annual Groundwater Recharge to the Edwards Aquifer by Drainage Basin, 1934–2007 (measured in thousands of acre-feet).

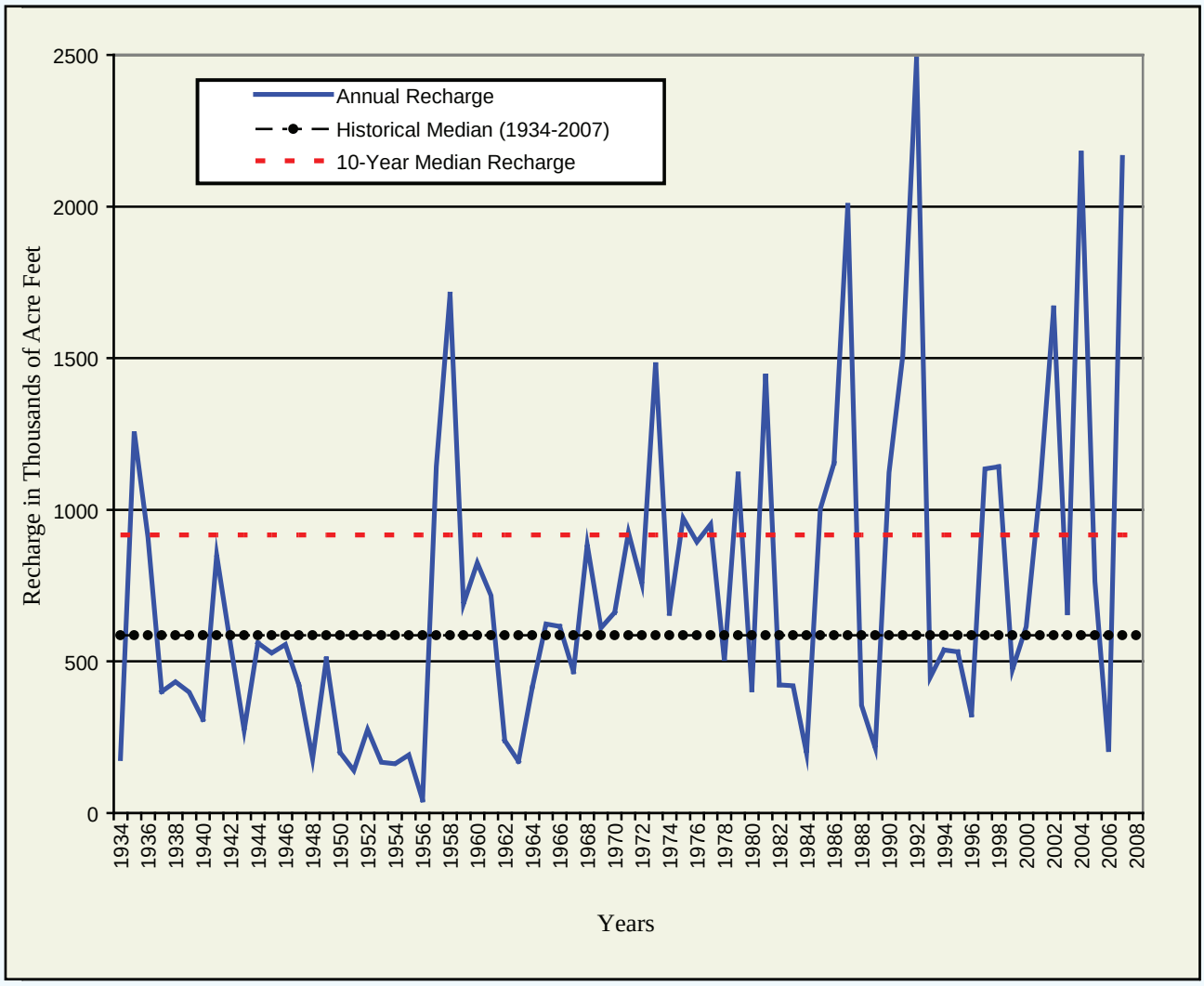
Year	Nueces River/ West Nueces River basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basins	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Comal Creek basins	Cibolo Creek/ Dry Comal Creek basin	Blanco River Basin	Total*
1934	8.6	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	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 5. 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[a]	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
Recharge for the period of record 1934–2007:									
Median	103.2	125.1	32.4	78.9	62.5	55.9	81	36.1	585.7
Mean	129.4	142.5	43.9	115.4	63.4	74.6	114.4	47.5	731.2
Recharge for the period of record 1998–2007 (last 10 years):									
Median	145.7	142.0	58.2	101.6	81.6	85.5	157.1	81.9	916.7
Mean	211.7	202.7	58.4	168.5	78.2	100.0	181.7	83.4	1,084.6

Data source: USGS Unpublished Report (April 2008).
* = Corrected estimate from the *2006 Hydrologic Data Report*.

Figure 8. Estimated Annual Recharge and 10-Year Floating Median Recharge for the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer 1934–2007



(continued from page 19)

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 2000. The current report adds years 2001–2003, recently developed using National Weather Service rainfall data during the refinement process. Additional HSPF model refinements are scheduled to be completed by publication of the *2008 Hydrologic Data Report*. Available results (1950–2003) for HSPF are shown in Table 6; this table also compares median and mean values for HSPF methodology with USGS historical methodology for the same period.

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 2007 estimated recharge was well above the median recharge value of 585,700 acre-feet for the period of record (1934–2007); the corresponding mean value is 731,200 acre-feet. Calendar year 2007 exhibited above-mean-rainfall amounts across most of the area. Rainfall (and its contribution to recharge) was much higher than normal in Bandera, Medina, Bexar, Kendall, Comal and Hays counties, as previously shown in Figure 6.

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 7 shows the annual recharge (total recharge) for each site since construction. The combined recharge for these structures was 26,002 acre-feet in 2007.

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 2007. The approximate historical median annual recharge contributed by the combined structures is 1,151 acre-feet, whereas the approximate historical mean annual recharge contributed by the combined structures is 5,286 acre-feet. Calendar year 2007 combined recharge volume for all four structures was above the mean value because of significant rainfall during the spring and summer months of the year.

Table 6. 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 basins	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	115.2	N/A*	49.1	749.6

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

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

Table 7. 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
Total	27,861	23,545	31,539	96,787	179,732
Median	242	250	334	508	1,151
Mean	819	785	1,088	3,723	5,286

Data source: Unpublished USGS and Edwards Aquifer Authority files (2008).

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 as springflow or as water pumped from wells. Springflow is the primary basis of recreational economies in New Braunfels and San Marcos, and the springs provide habitat for threatened and endangered animal and plant species. Figure 9 shows locations of the major springs in the San Antonio segment of the aquifer. 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 for any of these uses.

Estimates of annual total groundwater discharge from springflow and pumping for the Edwards Aquifer are available from 1934 through 2007 (Table 8). 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 2007, the total groundwater discharge from the Edwards Aquifer from wells and springs was estimated at 917,900 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 2007 has varied from a low of 69,800 acre-feet in 1956 to a high of 802,800 acre-feet in 1992 (Table 8). Table 9 lists the monthly estimated discharge in 2007 for the six primary Edwards Aquifer springs. Spring discharge from the Edwards Aquifer for 2007 was calculated at 621,000 acre-feet. This amount is well above the mean spring discharge volume of 385,200 acre-feet for the period 1934–2007. The above-average springflow indicates the effect of abundant rainfall across the region during calendar year 2007.

Figure 10 is a graph comparing Edwards Aquifer well discharge with (total) springflow. The figure shows the variability in springflow and the general trend of increasing well discharge over the period of record. The lowest estimated annual aquifer pumping level was 101,900 acre-feet recorded in 1934. In 2007, total estimated well production was approximately 296,900 acre-feet, or 157,600 acre-feet less than the 2006 estimate of 454,500 acre-feet of water pumped from the Edwards Aquifer. Total well production for 2007 was less than that of 2006 by approximately 65 percent. The median estimated well production for the period of record (1934–2007) is 319,300 acre-feet per year. The median estimated well production for the 10-year period 1998–2007 is 379,900 acre-feet.

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, which are typically larger quantity users, meter their withdrawals and report the totals to the Authority. As such, reported withdrawals accounted for approximately 274,600 acre-feet of water pumped from the Edwards Aquifer in 2007. Unreported pumping—which in this report consists of estimated amounts for groundwater withdrawals in Kinney County, domestic and livestock use (across the region), and federal facilities that are not required to report use—amounts to a total of 22,300 acre-feet for calendar year 2007. As such, reported withdrawals combined with unreported withdrawals equate to a total well discharge for the year of 296,900 acre-feet. Table 10 provides a comprehensive summary of well and spring discharge information from the Edwards Aquifer for calendar year 2007.

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

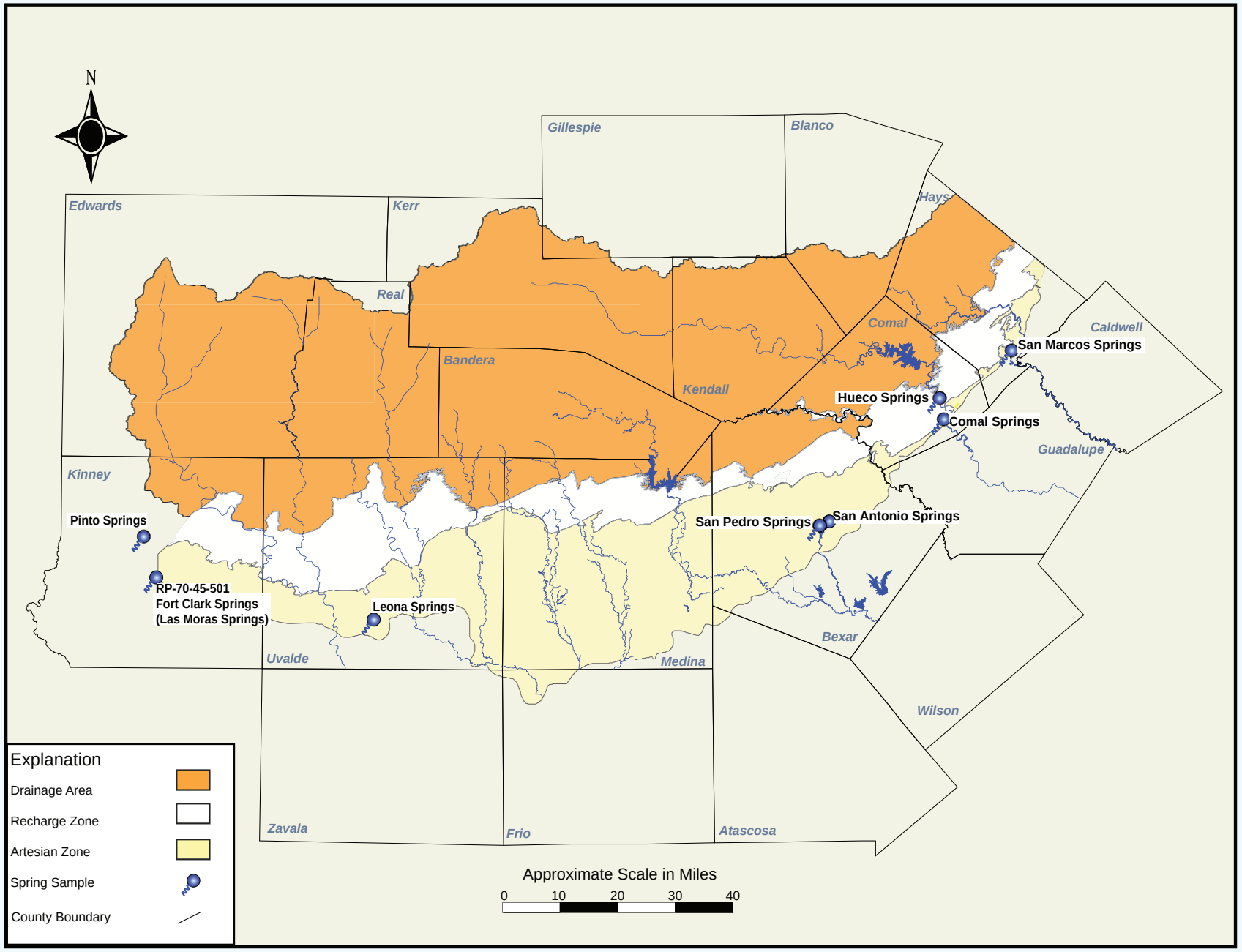


Table 8. Annual Estimated Groundwater Discharge Data by County for the Edwards Aquifer,1934–2007 (measured in thousands of acre-feet).

Year	Uvalde[a]	Medina	Bexar	Comal	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	312.4b	271.8c	168.8	917.6	453.5	464.1
1999	104.0	49.2	307.1b	295.5c	143.0	898.8	442.7	456.1
2000	89.1	45.1	283.6b	226.1c	108.4	752.3	414.8	337.5
2001	68.6	33.9	291.6b	327.7c	175.4	890.0	367.7	529.6
2002	76.2	40.6	311.9b	350.4c	202.1	981.2	371.3	609.9
2003	89.4	34.8	331.7b	344.7c	176.3	976.9	362.1	621.5

(Table 8. continued)

Year	Uvalde[a]	Medina	Bexar	Comal	Hays	Total	Total Wells	Total Springs
2004	91.3	22.5	331.9b	341.4c	153.1	940.3	317.4	622.9
2005	107.4	37.3	366.1b	349.3c	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	63.6	17.1	309.7	331.7	196.0	917.9	296.9	621.0
For period of record 1934-2007:								
Median	76.4a	15.6	243.7	234.7	118.5	694.6	319.3	384.2
Mean	72.8a	21.5	245.8	230.1	123.3	693.4	308.3	385.2
For period of record 1998-2007 (last 10 years):								
Median	90.4a	39.0	310.8	329.7	172.1	917.8	379.9	569.8
Mean	91.2a	39.7	313.6	305.5	158.7	907.7	386.9	522.2

Data source: United States Geological Survey and Edwards Aquifer Authority unpublished data (2008).
a = Includes Kinney County discharge.
b = Includes reports of Edwards Aquifer irrigators in Atascosa County.
c = Includes reports of Edwards Aquifer industrial and municipal users in Guadalupe County.
Differences in totals may occur as a result of rounding.

Table 9. Estimated Spring Discharge from the Edwards Aquifer, 2007 (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	1,470	306	230	17,270	1,560	9,040	29,876
February	1,370	267	158	15,590	823	9,420	27,628
March	1,250	293	372	17,000	3,580	12,290	34,785
April	1,280	516	1,840	18,730	5,450	13,300	41,116
May	1,620	562	2,660	19,820	5,250	12,990	42,902
June	1,670	542	2,580	18,200	5,450	14,850	43,292
July	2,200	1,100	8,830	25,270	7,090	19,090	63,580
August	2,860	1,460	13,200	27,740	6,670	25,890	77,820
September	3,510	1,340	12,600	26,440	5,940	23,400	73,230
October	4,090	1,160	10,080	26,200	5,560	19,280	66,370
November	4,250	1,060	8,760	24,860	5,380	16,300	60,610
December	4,720	1,070	8,610	25,490	5,280	14,660	59,830
Total	30,290	9,676	69,920	262,610	58,033	190,510	621,039

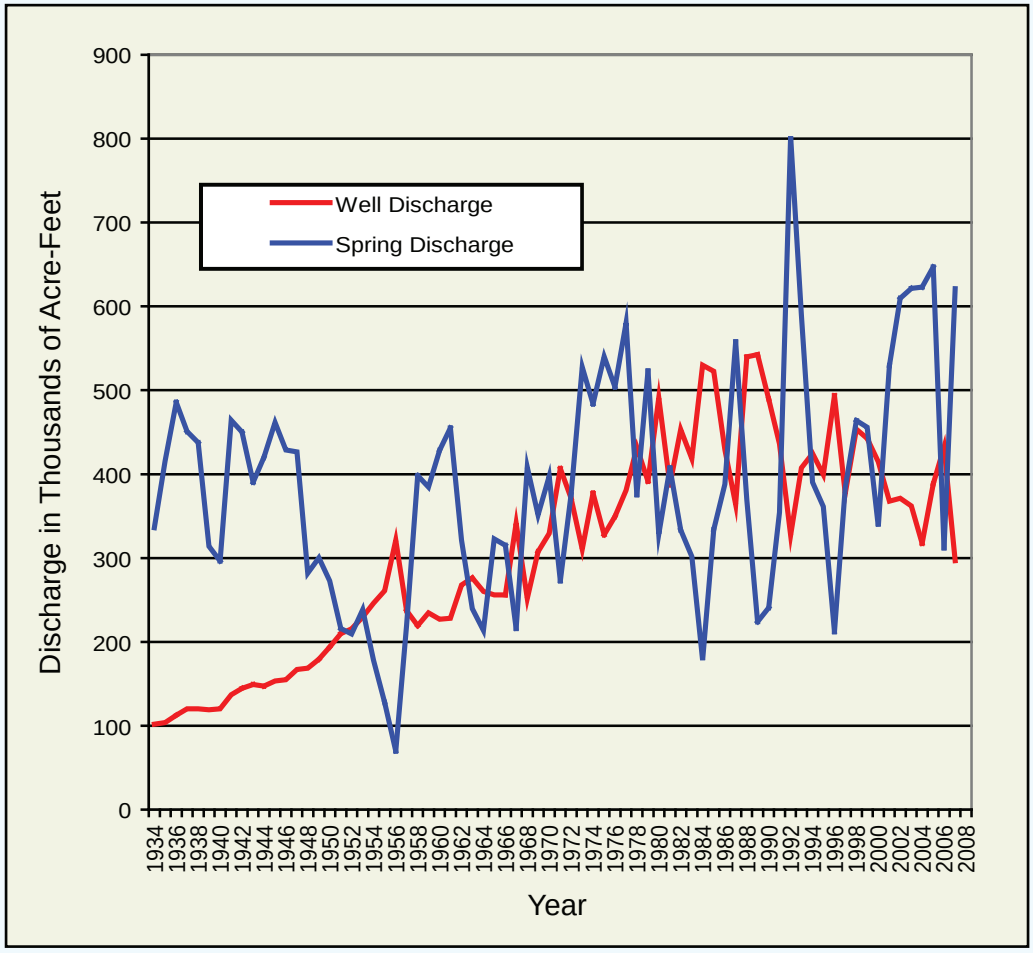
Data source: United States Geological Survey unpublished report (2008).
Differences in totals may occur as a result of rounding.

Table 10. Comprehensive Discharge Summary for Calendar Year 2007 (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	537	0	0	0	0	537	0	537
Bexar	1,065	209,857	2,869	8,870	6,714	229,375	79,596	308,971
Comal	27	4,204	6,263	363	0	10,857	320,643	331,500
Guadalupe	0	0	151	0	0	151	0	151
Hays	137	3,411	1,052	841	193	5,634	190,510	196,144
Medina	10,415	4,927	731	1,017	0	17,090	0	17,090
Uvalde	25,085	3,725	173	2,411	0	31,394	30,290	61,684
Kinney**	600	1,000	0	300	0	1,900	0	1,900
Totals	37,866	227,124	11,239	13,802	6,907	296,938	621,039	917,977

*Federal facilities, domestic and livestock wells do not report annual use (non-reporting); quantities estimated.
**Kinney County is not included in "Reported Use" totals; amounts are estimates only.

Figure 10. Groundwater Pumping Compared with Springflow from the Edwards Aquifer, 1934–2007 (measured in thousands of acre-feet)



Reported withdrawal estimates are based on metered wells throughout the region and are the most accurate estimates for well discharge. Non-reported discharge estimates from wells are generally less accurate than reported discharge because these numbers are not based on metered discharges. 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, the Authority adopted rules requiring all irrigation, industrial, and municipal wells to be metered in 1999, subsequently improving estimates of well discharge from that period forward for these wells.

Discharge for wells and springs over the last 10 years has fluctuated, with variations in timing, duration, and magnitude of rainfall for any given year. Generally, 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 296,900 acre-feet (in 2007) 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 10-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.

Table 11 shows total discharge data by use for the period 1955–2007 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 Kinney

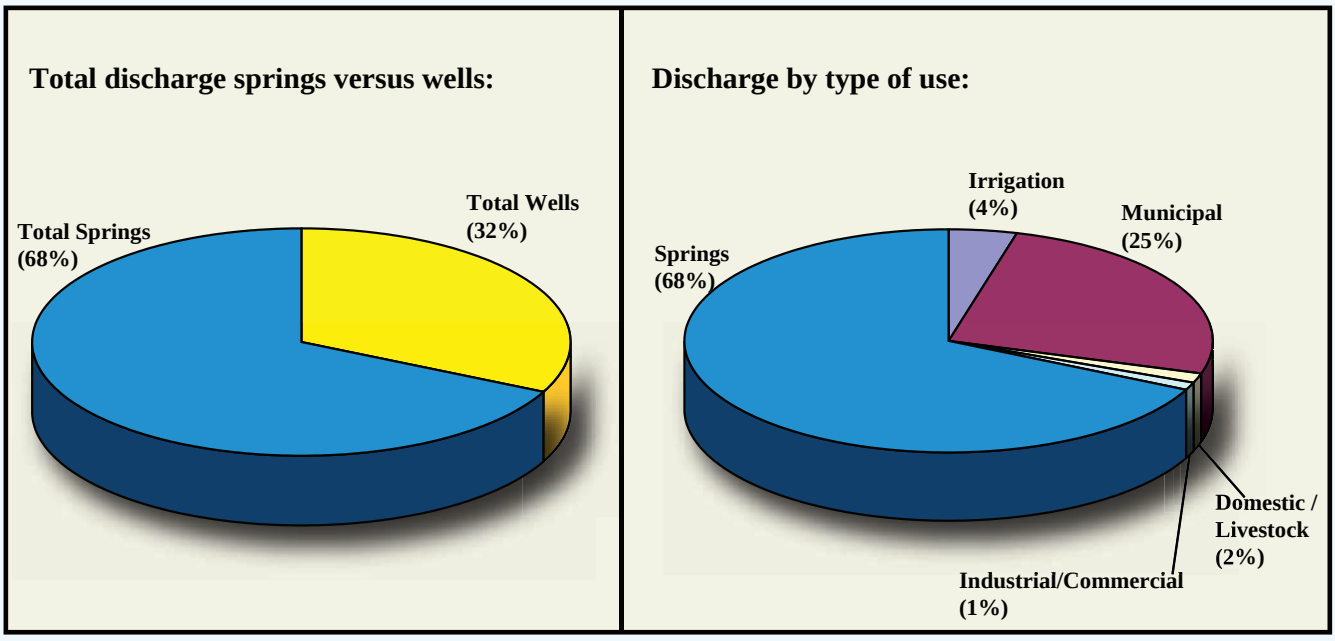
County use, domestic and livestock use, and non-reporting federal facilities. Discharge is summarized graphically in Figure 11, showing discharge by type of use and total discharge for wells versus springs. Springflow at Comal and San Marcos springs is summarized graphically in Figure 12. In this figure, the annual mean flow value at each spring complex is plotted against historical mean flow for each of

Table 11. Annual Estimated Edwards Aquifer Groundwater Discharge by Use, 1955–2007 (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	37.9	234.0	13.8**	11.2	620.6
For period of record 1955–2007:					
Median	97.1	228.4	29.8	22.6	383.9
Mean	105.4	209.1	29.0	24.6	396.8
For period of record 1998–2007 (last 10 years):					
Median	91.2	250.5	13.7	33.1	569.7
Mean	93.5	247.9	13.6	31.9	522.1

Data source: United States Geological Survey unpublished report and Edwards Aquifer Authority unpublished data (2008).
** = Revision based on number of new wells permitted annually.
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 2007



the two spring complexes. Tables 12 and 13 show reported withdrawals (actual discharge from wells) within the jurisdictional area of the Authority. Table 12 summarizes actual reported groundwater withdrawal totals by year and type of use. Table 13 summarizes actual reported groundwater withdrawals by county and type of use.

The distribution of groundwater discharge is further summarized for calendar year 2007 in Figure 11. This figure provides a pie-chart representation of groundwater discharge by type of use and by total discharge. Typically springflow (discharge) exceeds discharge from wells in wet years; however, in dry years, well discharge is typically greater than springflow. In 2007, springflow was greater than well discharge as a result of significant rainfall during high demand periods.

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 2007, the Authority and USGS estimated discharge from the Edwards Aquifer. Prior to 1997, the USGS estimated the total amount of irrigated acreage from county tax rolls, which have remained relatively constant over recent years. County soil and water

Table 12. Groundwater Withdrawals Attributed to Permit Holders (reported withdrawals) within the Edwards Aquifer Authority Jurisdictional Area, 1999–2007 (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	274,629	226,124	11,239	37,266

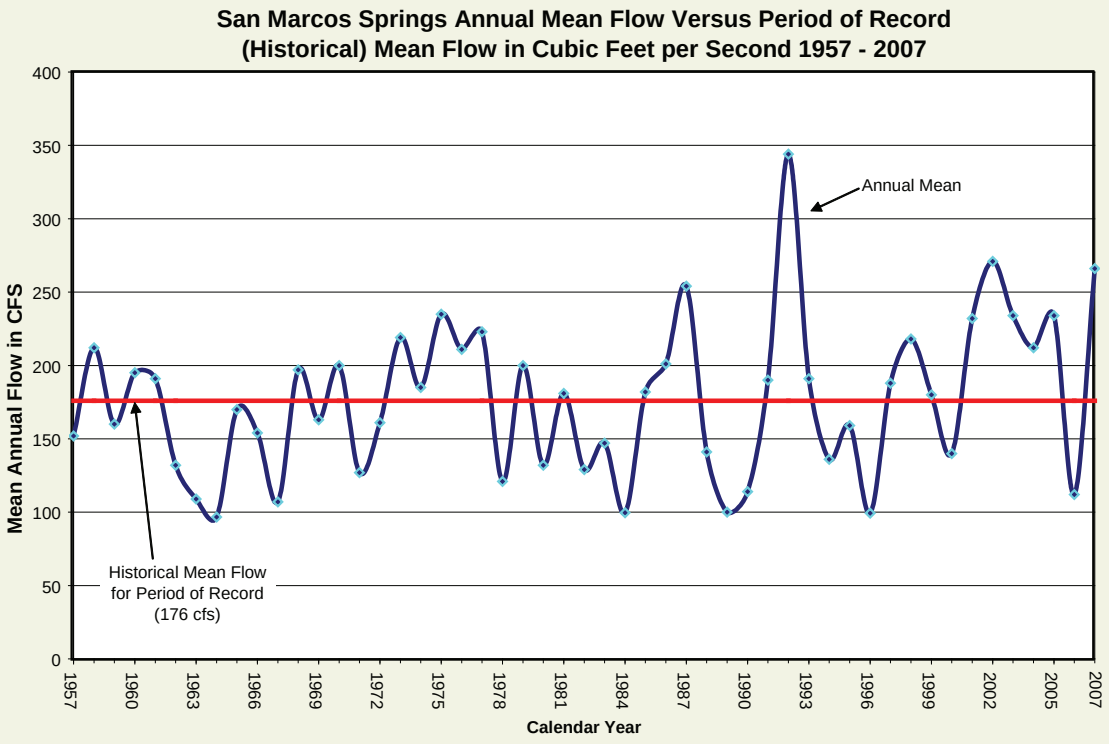
Data source: Edwards Aquifer Authority unpublished data (2008)

conservation districts provided 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 10 and 11. On the basis of the addition of 74 wells in the category of domestic/livestock in 2007, the domestic/livestock use was increased by approximately 47 acre-feet for 2007 as compared with that of 2006. 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 and Associates (1992).

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



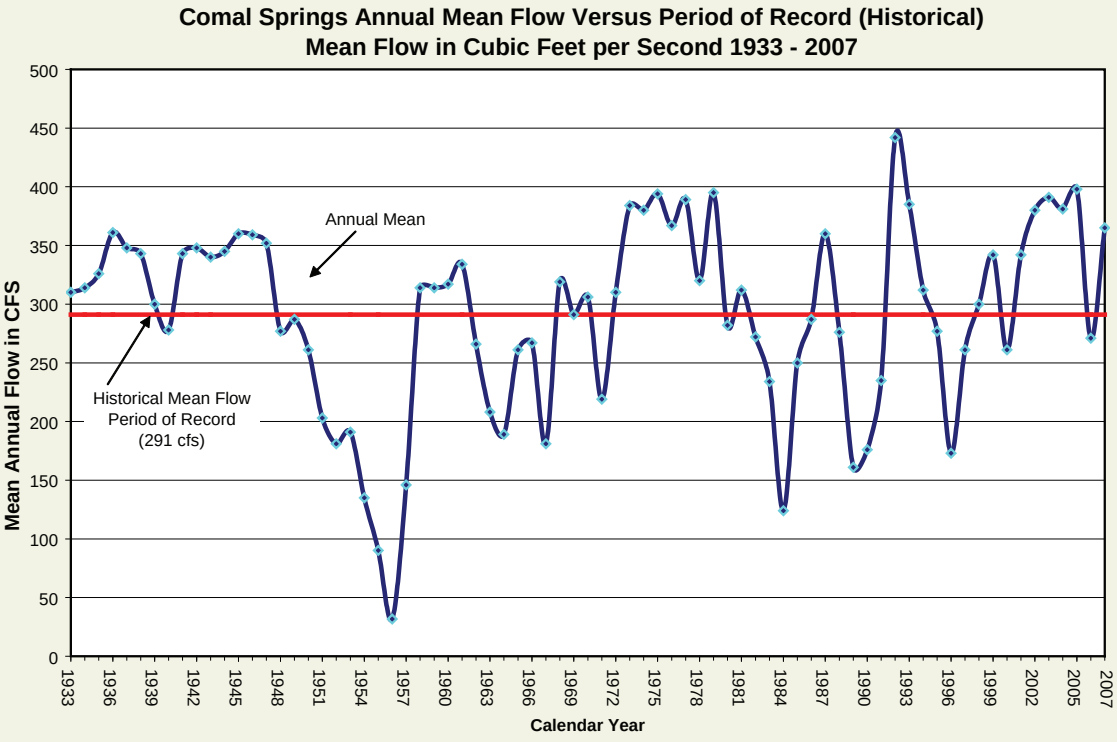


Table 13. Groundwater Withdrawals Attributed to Permit Holders (Reported Withdrawals) within the Edwards Aquifer Authority Jurisdictional Area by County, 1999–2007 (reported in acre feet).

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	28,983	3,725	173	25,085
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	16,073	4,927	731	10,415
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	213,791	209,857	2,869	1,065
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	10,494	4,204	6,263	27
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	4,600	3,411	1,052	137
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	151	0	151	0
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

Data source: Edwards Aquifer Authority unpublished data (2008).

WATER QUALITY

The Authority, in cooperation with the USGS and TWDB, has conducted a systematic program of water quality data collection since 1968. Five major spring groups are sampled on a regular basis every year (springflow permitting): 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 Uvalde or Kinney counties. For example, in 2007, the Authority collected samples from Las Moras (Fort Clark) and Pinto springs in Kinney County, in addition to the five major spring groups the Authority samples regularly. Through this cooperative effort, 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.

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. Because of the 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 often provide further insight for identification of areas that may be problematic with regard to the presence of compounds that are not indigenous to the system. As a result, these areas may subsequently be sampled with higher frequency or greater density, if warranted.

In 2007, the Authority collected 84 routine water quality samples from 76 wells (six wells were sampled twice, and two wells were sampled at two different depth intervals inside the well). Also, a bacteria sample was collected from one well in addition to the 76 routine wells. The Authority also collected 51 routine water quality samples from seven spring groups (major spring groups were sampled monthly from January through May), with an additional round of sampling from the major spring groups collected in June for bacteria only. The Authority collected 16 routine water quality samples from eight streams (each stream was sampled twice) in 2007. In addition, the Authority analyzed more than 3,000 special samples from 90 wells in response to a large debris fire in Helotes, Texas, between January and May (see Significant Events Affecting Water Quality in Calendar Year 2007, p. 53). Of the wells sampled under routine water quality analyses, 10 were associated with the Helotes debris fire. Of these, eight wells were sampled twice, the first time in January and the second in February of calendar year 2007. Water quality samples collected by the Authority are summarized in this report, after routine samples are discussed, with locations of these monitoring sites shown on Figures 13a, b, c, and d. Special samples analyzed in response to the Helotes debris fire are discussed at the end of this section.

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 48 wells and seven spring groups were also analyzed for volatile organic compounds (VOCs). Semivolatile organic compounds (SVOCs) were included in the analyses of water samples from 48 wells and seven spring groups, whereas water samples collected from 38 wells, seven spring groups, and eight stream locations were also analyzed for pesticides, herbicides, and polychlorinated biphenyls (PCBs).

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 14. Routine water quality data collected from wells in 2007 are compiled in

(continued on page 42)

Figure 13a. Year 2007 Edwards Aquifer Authority Water Quality Sampling Locations—Wells, Springs, and Streams Sampled

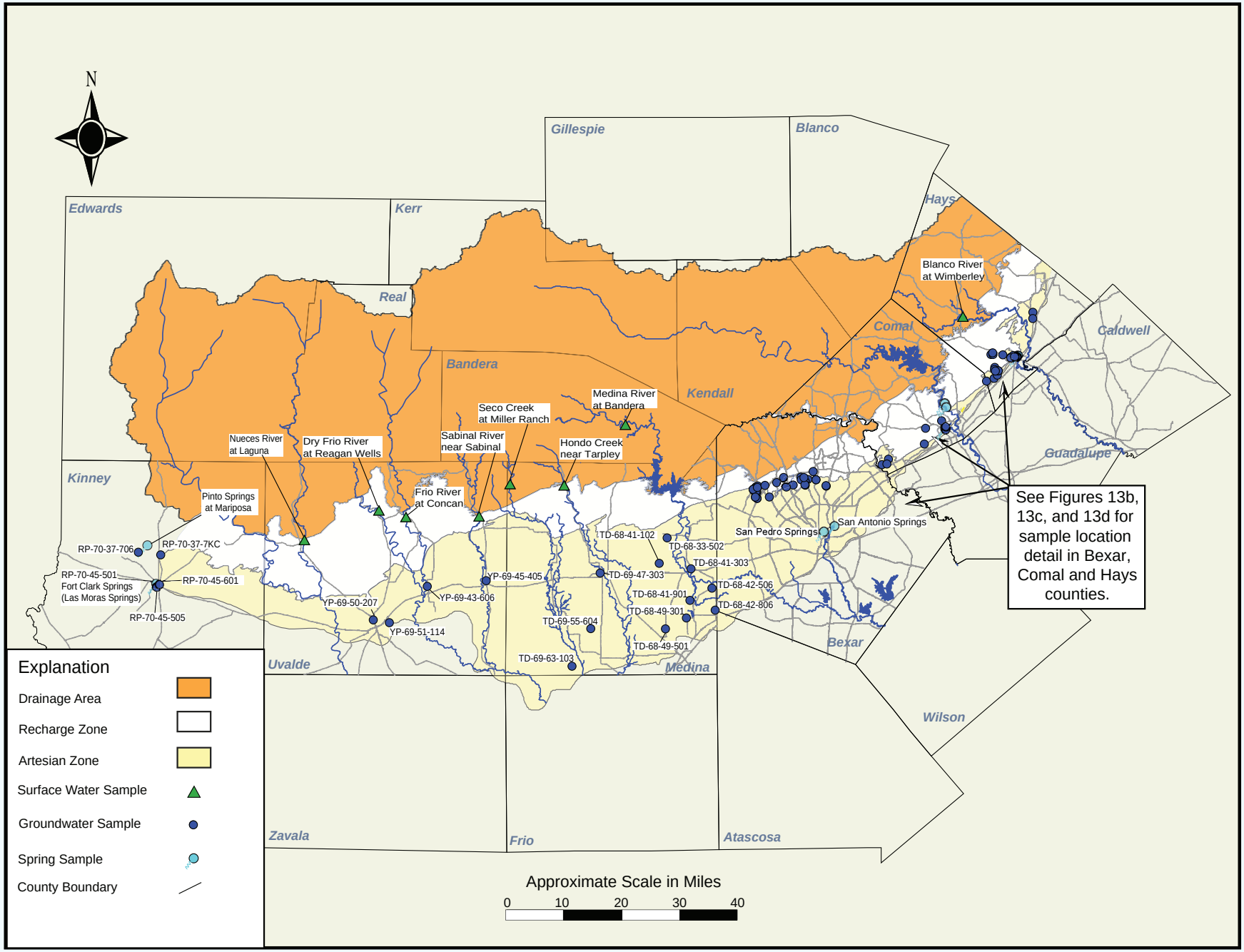


Figure 13b. Year 2007 Edwards Aquifer Authority Water Quality Sampling Locations, Bexar County

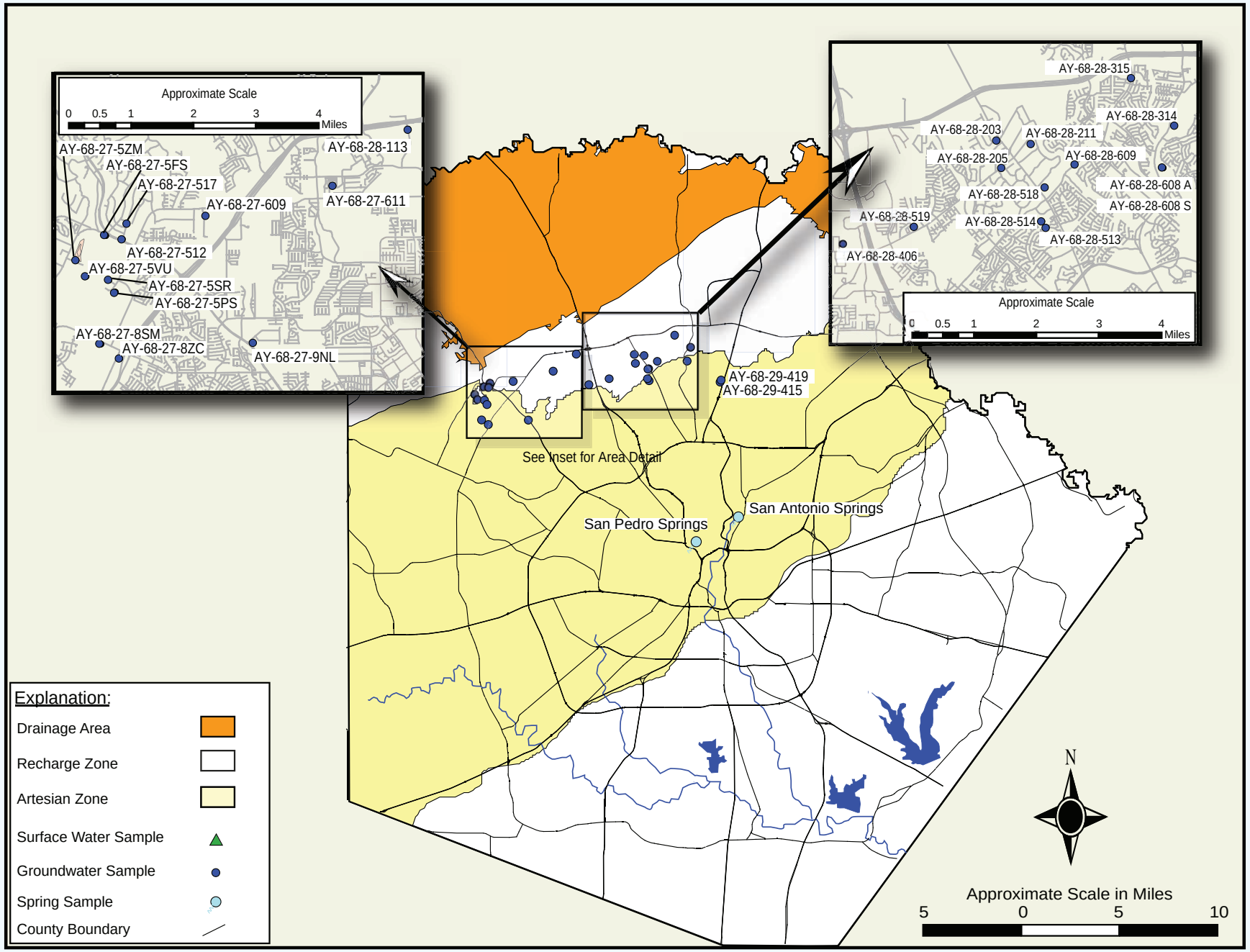


Figure 13c. Year 2007 Edwards Aquifer Authority Water Quality Sampling Locations, Comal County

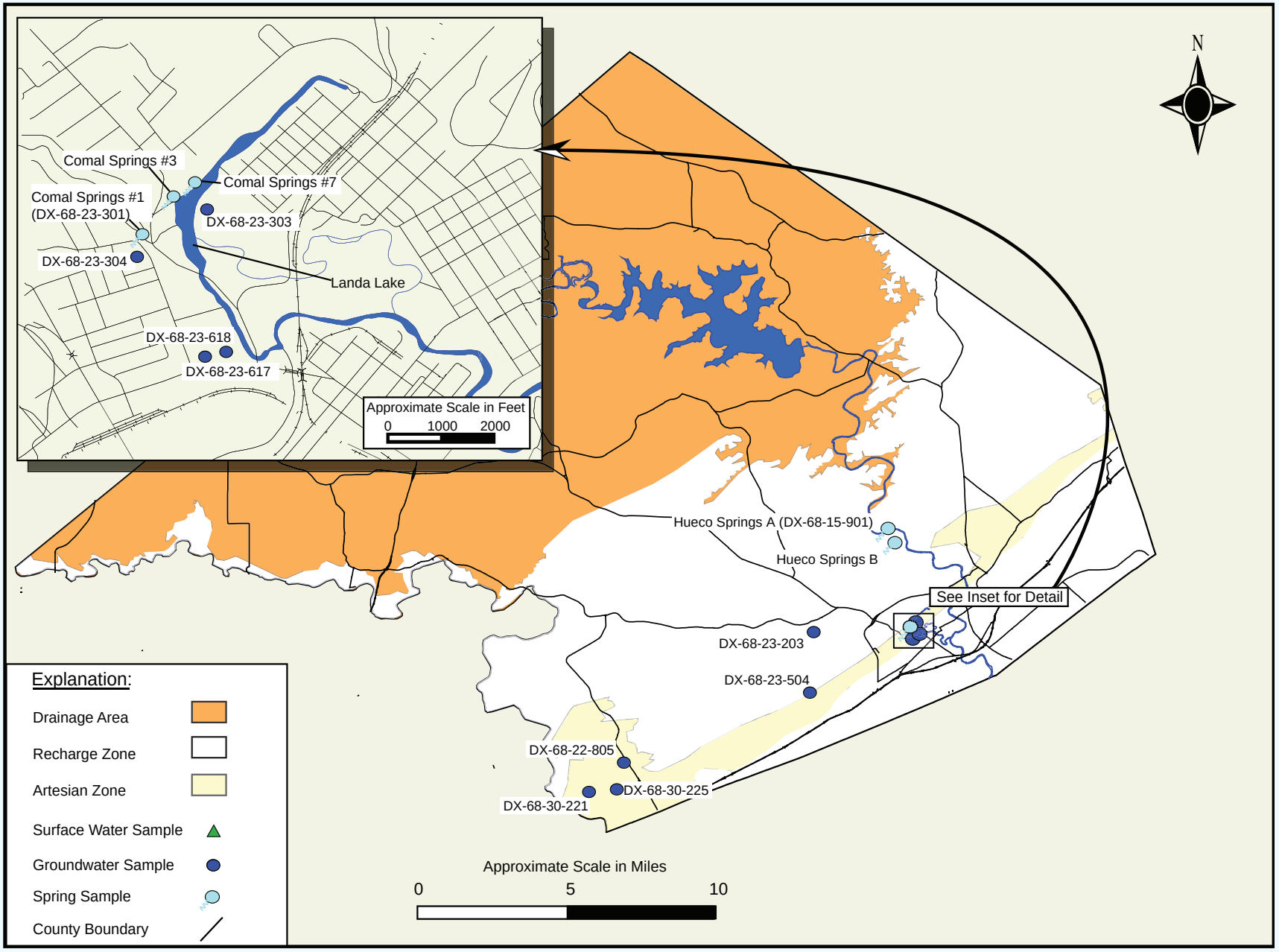
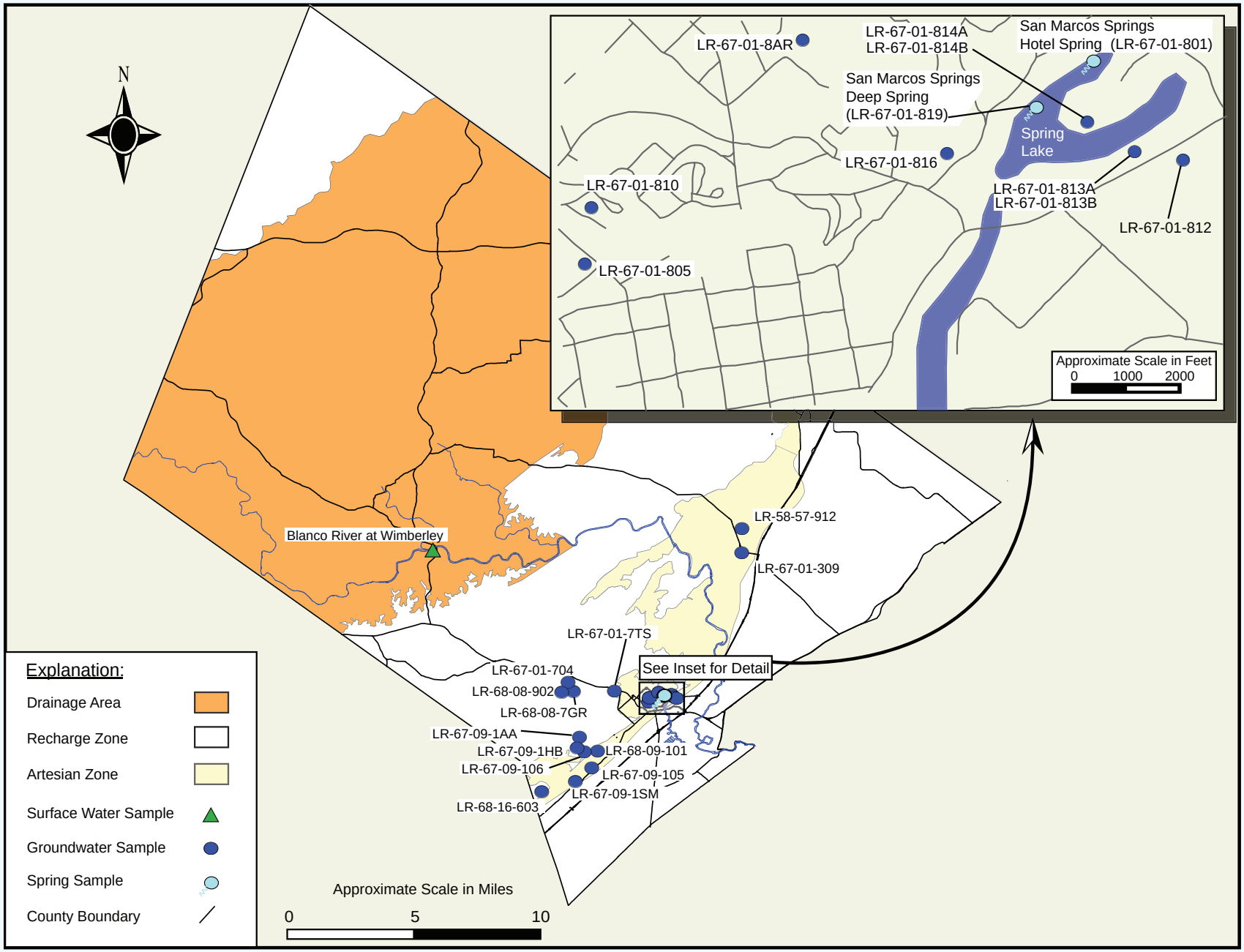


Figure 13d. Year 2007 Edwards Aquifer Authority Water Quality Sampling Locations, Hays County



(continued from page 37)

Appendix C, Tables C-1 through C-7. Routine water quality data collected from streams and springs in 2007 are compiled in Appendix C, Tables C-8 through C-14. These water analyses are subsequently compared with the following State water quality standards to determine whether any concentrations exceed health-based levels.

Primary Drinking Water Standards — These standards are enforceable 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 14. 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 15 is a list of current secondary standards. Concentrations of the secondary standards listed in Table 15 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.

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 2007 were analyzed by the Authority's contract laboratories (Anacon, Inc., San Antonio River Authority, and Energy Labs [pursuant to an analytical services contract with the TWDB]) for the following metals: 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 76 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 eight well samples. The PCL for strontium is 15,000 µg/L. One additional metal, iron, was detected above the secondary drinking water standard of 300 µg/L, in one well sample. These metal detections were in wells located in or close to the saline water zone of the aquifer. However, the metal strontium, regulated under the Texas Risk Reduction Program, was detected above the TRRP limit, or PCL. Metal detections above MCL, PCL, or Secondary Standards concentrations (See Figures 13a or d for map locations):

Medina County

- Strontium detected in:
  TD-69-63-103 at 23,000 µg/L
  (PCL = 15,000 µg/L)

- Iron detected in:
  TD-69-63-103 at 780 µg/L
  (Secondary Standard = 300 µg/L)

Hays County

- Strontium detected in:
  LR-58-57-912 at 43,400 µg/L (saline well)
  LR-67-01-309 at 39,000 µg/L (saline well)

Table 14. Comparison of Drinking Water Quality Standards with Range of Concentrations from Water Quality Results, 2007.

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2007	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Field			
Temperature (˚C) EPA 170.1	NE	16.78-39.90	20-23
pH measured at 25 ˚C EPA 150.1	6.5 – 8.5 *	6.23-8.44	6.5-8.0
Turbidity (NTU)	NE	ND-59.1	0.05-2
Dissolved oxygen (DO) (mg/L)	NE	3.14-8.46	2-4
Alkalinity total as $CACO_3$ SM 2320 B (mg/L)	NE	100-387	200-400
Specific conductance uS/cm	NE	374-15100	
Fecal coliform (colonies / 100 mL)	0 MCLG[1]	<2-810	0-3
Fecal ctrep (colonies / 100 mL)	0 MCLG[1]	<1-1100	0-9
Nutrients (mg/L)			
Nitrate-nitrite as N EPA354.1/300.0	10	ND-10.5	ND-2.5
Orthophosphate EPA 365.3	NE	ND	ND-0.03
Major Ions (mg/L)			
Sulfate (SO_4) EPA 300.0	250*	ND-2780	30-60
Solids total dissolved (TDS) EPA 160.1	NE	40-14300	200-400
Solids total suspended (TSS) EPA 160.2	NE	ND-128	ND-2
Bromide (Br) EPA 300.0	NE	ND-20.3	ND-0.2
Chloride (CI) EPA 300.0	250*	ND-3940	15-50
Fluoride (F) EPA 340.2	4.0	ND-45.1	0.02-0.4
Bicarbonate (HCO_3) SM 2320 B	NE	175-518	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-15.5 <0.84	ND-40
Antimony	6.0	ND-1.17	ND–1
Arsenic	10.0	ND-0.88	ND-1
Barium	2,000	1.05-370	10-100
Beryllium	4.0	ND	ND-1
Boron	4,900**	ND-149	ND-60
Cadmium	5.0	ND-3.35	ND-0.6
Chromium	100.0	ND-1.5	ND-3
Cobalt	1,500**	ND	ND-1
Copper	1,300*	ND-31.0	ND-4
Iron	300*	ND-780	ND-6
Lead	15.0	ND-5.0	ND–3
Lithium	490**	2-12	ND-5
Manganese	50.0*	ND-10	ND-4
Molybdenum	120**	ND-4	ND-10
Nickel	490**	ND-17.4	ND-3
Selenium	50.0	ND-4.25	ND-30
Silver	100*	ND-0.97	ND-0.001
Strontium	15,000**	51.7-43400	200-500
Thallium	2.0	ND	ND-1
Vanadium	170**	ND-7	ND-4
Zinc	5,000*	ND-1570	ND-20
Metals by E200.8 (mg/L)			
Calcium	NE	67.6-1130	0.05-0.10
Magnesium	NE	3.57-548	ND-0.004
Potassium	NE	0.70-101	5-15
Sodium	NE	5.35-2430	0.005-0.015
Metals by SW-7041 (mg/L)			
Antimony	0.006	ND	ND–0.001
Metals by SW-7470A (mg/L)			
Mercury	.002	ND-3.53	ND-0.0001
Silica as SIO2 by E200.8 (mg/L)			
Silica	NE	7.2-25	
Total Organic Carbon by E415.1 (mg/L)			

(Table 14. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2007	Typical Range of Concentrations for the Freshwater Edwards Aquifer
TOC	NE	ND-3.53	
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	
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	<0.10	ND
Dinoseb	7.0	<0.10	ND
Pentachlorophenol	1.0	<0.10	ND
Picloram	500	<0.10	ND
Pesticides by SW-8081 (µg/L)			
4, 4'-DDD	4.0**	<0.02	ND
4, 4'-DDE	3.0**	<0.007	ND
4, 4'-DDT	3.0**	<0.022	ND
Alachlor	2.0	<0.05	
Aldrin	0.05**	<0.016	ND
Alpha-bhc (Alpha-hexachlorocyclohexane)	0.1**	<0.035	ND
Alpha-chlordane	3.0**	<0.016	ND
Beta-bhc (Beta-hexachlorocyclohexane)	0.5**	<0.013	ND
Delta-bhc (Delta-hexachlorocyclohexane)	0.5**	<0.011	ND
Dieldrin	0.1**	<0.025	ND
Endosulfan I	50**	<0.011	ND
Endosulfan II	150**	<0.015	ND
Endosulfan sulfate	150**	<0.018	ND
Endrin	2.0**	<0.02	ND
Endrin aldehyde	7.0**	<0.05	ND
Endrin ketone	7.0**	<0.05	ND
Gamma-bhc (Lindane)	0.2	<0.012	ND
Gamma-chlordane	3.0**	<0.025	ND
Heptachlor	0.4	<0.01	ND
Heptachlor epoxide	0.2	<0.015	ND
Methoxychlor	40.0	<0.008	ND
Mirex	5.0	<0.03	
Toxaphene	3.0	<0.05	ND

(Table 14. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2007	Typical Range of Concentrations for the Freshwater Edwards Aquifer
PCBs by SW-8082 (µg/L)			
PCBs, total	0.5	<7.00	
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
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**	<0.28	ND
2, 4, 6-trichlorophenol	83**	<0.23	ND
2, 4-dichlorophenol	73**	<0.20	ND
2, 4-dimethylphenol	490**	<0.07	ND
2, 4-dinitrophenol	49**	<0.02	ND
2, 6-dichlorophenol	24**	<0.18	
2-chlorophenol	120**	<0.15	ND
2-methyl-4 6-dinitrophenol	49**	<0.68	ND
2-methylnaphthalene	98**	<0.20-1.29	
2-methylphenol (o-cresol)	1,200**	<0.21	ND
2-nitroaniline	7.0**	<0.15	
2-nitrophenol	49**	<0.23	ND
3 & 4 methylphenol (m&p cresol)	1200**	<0.20	ND
3-nitroaniline	7.0**	<0.22	
4, 6-dinitro-2-methylphenol	50**	<0.24	
4-chloro-3-methylphenol	120**	<0.15	ND
4-nitroaniline	12**	<0.24	
4-nitrophenol	49**	<0.04	ND
Naphthalene	490**		ND
Nitrobenzene	12**	<0.21	ND
Pentachlorobenzene	20**	<0.26	
Pentachlorophenol	1.0		ND
Phenanthrene	730**	<0.05	ND
Phenol	7,300**	<0.27-1.58	ND
Pyrene	730**	<0.10	ND
Pyridine	NE	<0.40	
N-nitrosodi-n-propylamine	0.13**	<0.40	ND
N-nitrosodiethylamine	NE	<1.49	
N-nitrosodimethylamine	NE	<0.37	
N-nitrosodiphenylamine	190**	<0.19	ND
Acenaphthene	1,500**	<0.20	ND
Acenaphthylene	1,500**	<0.22	ND
Aniline	160**	<0.09	ND
Anthracene	7,300**	<0.20	ND
Azobenzene	8	<0.15	ND
Benzidine	NE	<0.05	
Benzo(a)anthracene (1 2-benzanthracene)	1.3**	<0.21	ND
Benzo(b)fluoranthene	1.3**	<0.31	ND
Benzo(k)fluoranthene	13**	<0.21	ND
Benzo(ghi)perylene	730**	<0.22	ND
Benzo(a)pyrene	0.2	<0.20	ND
Benzoic Acid	98000**	<0.20	
Benzyl Alcohol	7300	<0.11	
Butyl benzyl phthalate	4,900**	<2.08	ND
Bis(2-chloroethoxy)methane	0.83**	<0.17	ND
Bis(2-chloroethyl)ether	0.83**	<0.14	ND
Bis(2-chloroisopropyl)ether	13.0**	<0.33	
Bis(2-ethylhexyl)adipate		<0.55	
Bis(2-ethylhexyl)phthalate	6.0	<1.77-16.5	ND
4-bromophenyl phenyl ether	0.061**	<0.19-<10	ND
4-chloroaniline	NE	<0.15	ND
2-chloronaphthalene	2,000**	<0.24	ND
4-chlorophenyl phenyl ether	0.061**	<0.21	ND
Chrysene	130**	<0.20	ND
Cresols, total	1200**	<2	
Dibenz(ah)anthracene	0.2**	<1.00	ND

(Table 14. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2007	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Dibenz(a,j)acridine	1.3**	<0.20	
Dibenzofuran	98**	<0.99	ND
3 3-dichlorobenzidine	2**	<0.52	ND
Diethyl phthalate	20,000**	<1.1	ND
Dimethyl phthalate	20,000**	<0.19	ND
Di-n-butyl phthalate	2,400**	<1.07	ND
Di-n-octyl phthalate	490**	<0.24	ND
2 4-dinitrotoluene	1.3**	<0.22	ND
2 6-dinitrotoluene	1.3**	<0.24	ND
Fluoranthene	980**	<0.23	ND
Fluorene	980**	<0.20	ND
Hexachlorobenzene	1**	<0.25	ND
Hexachlorobutadiene	5.0**	<0.16	
Hexachlorocyclopentaiene	50	<0.21	ND
Hexachloroethane	7.0**	<0.22	ND
Indeno(1,2,3-cd)pyrene	1.3**	<0.16	ND
Isophorone	960**	<0.14	ND
VOCs SW-8260b (µg/L)			
1, 1, 1, 2-tetrachloroethane	35.0**	<10	
1, 1, 1-trichloroethane	200.0	<2.0	
1, 1, 2, 2-tetrachloroethane	5.0**	<2.0	
1, 1, 2-trichloroethane	5.0	<2.0	ND
1, 1-dichloroethane	2,400**	<2.0	ND
1, 1-dichloropropene	9.0**	<2.0	
1, 1-dichloroethene (Vinylidene chloride)	7.0	<2.0	ND
1, 2, 3-trichlorobenzene	73**	<10	
1, 2, 3-trichloropropane	1.3**	<10	
1, 2, 4, 5-tetrachlorobenzene	7.0**	<10	
1, 2, 4-trichlorobenzene	70.0	<0.18-<10	ND
1, 2, 4-trimethylbenzene	1200**	<2.0-4.54	
1, 2-dibromo-3-chloropropane	0.2	<0.2	ND
1, 2-dibromoethane (EDB)	NE	<2.0	ND
1, 2-dichlorobenzene	600**	<0.17-<10	ND
1, 2-dichloroethane (EDC)	5.0	<2.0	ND
1, 2-dichloropropane	5.0	<2.0	ND
1, 3, 5-trimethylbenzene	1200**	<2.0-2.98	
1, 3-dichlorobenzene	730**	<0.16	ND
1, 3-dichloropropane	5.0**	<2.0	
1, 3-dichloropropene	9.0**	<5.00	
1, 4-dichlorobenzene	75**	<0.15	ND
2, 2-dichloropropane	13	<2.0	
2-chloroethyl vinyl ether	1.0**	<10	
2-chlorotoluene	490**	<10	
2-hexanone	1,500**	<10	ND
4-chlorotoluene	490**	<2	
4-isopropyltoluene	2400**	<2	
4-methyl-2-pentanone (MIBK)	1950**	<10	ND
Acetone	22,000**	<10	ND
Acetonitrile	780**	<5	
Acrolein	12**	<5	
Acrylonitrile	2.0**	<5	
Allyl Alcohol	120**	<5	
Benzene	5.0	<2.0	ND
Benzyl Chloride	5.0**	<5.0	
Bromoacteone	NE	<5.0	
Bromobenzene	490**	<2.0	
Bromochloromethane (chlorobromomethane)	980**	<10	ND
Bromodichloromethane	15**	<2.0	ND
Bromoform (Tribromomethane)	120**	<2.0	ND
Bromomethane (Methyl bromide)	34**	<10	ND
Carbon disulfide	2400**	<2.0	ND
Carbon tetrachloride	5.0	<10	ND
Chloral Hydrate	2400**	<5.0	
Chlorobenzene	100.0	<2.0	ND
Chloroethane (Ethyl chloride)	9,800**	<10	ND
Chloroform	240**	<2.0	ND
Chloromethane (Methyl chloride)	70**	<2	ND

(Table 14. continued)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2007	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Cis-1 2-dichloroethene	70.0	<2	ND
Cis-1 3-dichloropropene	2.0**	<2	ND
Dibromochloromethane	11**	<2	ND
Dibromomethane	NE	<10	
Dichlorodifluoromethane	4,900**	<2.0	ND
Ethylbenzene	700**	<2.0	ND
Hexachlorobutadiene	5.0**	<1.25-<10	
Iodomethane	34**	<2	
Isopropylbenzene (Cumene)	700 / 2400**	<2.0	ND
Methyl ethyl ketone (2-butanone)	15,000**	<10	ND
Methylene chloride (Dichloromethane)	5**	<2.0	ND
n-Butanol	2400**	<5.00	
n-Butylbenzene	980**	<2.0	
n-Propylbenzene	980**	<2.0	
sec-Butylbenzene	980**	<2.0	
Styrene	100.0	<2.0	ND
tert-Butylbenzene	980**	<2.0	
Tert-butyl methyl ether (mtbe)	240**	<2.0	ND
Tetrachloroethene	5.0	<2.0	ND
Toluene	1,000	<2.0-2.49	ND
Trans-1, 2-dichloroethene	100	<2.0	ND
Trans-1, 3-dichloropropene	9.0**	<10	ND
Trichloroethene	5.0	<2.0	ND
Trichlorofluoromethane	7,300**	<2.0	ND
Vinyl Acetate	24440**	<28.3	
Vinyl chloride (Chloroethene)	2.0	<2.0	ND
m-p-xylene	10000**	<2-3.25	ND
o-xylene	10000**	<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.
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 15. 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 2007 analytical program.

LR-67-01-814A at 16,100 µg/L (saline well)
LR-67-01-814B at 16,100 µg/L (saline well)
LR-67-01-813A at 16,300 µg/L (saline well)
LR-67-01-813B at 16,100 µg/L (saline well)
LR-67-01-812 at 16,400 µg/L (saline well)
(PCL = 15,000 µg/L)

Strontium often occurs at relatively high concentrations inside the saline part of the Edwards Aquifer. Many of the saline wells sampled in 2007 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 2007. The wells with high strontium concentrations in Medina and Hays counties are relatively close to the saline water line.

Bacteria—In 2007, 77 wells were sampled in Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties 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/100mL). Bacterial results in calendar year 2007 ranged from less than two through 52 CFU/100 mLl for fecal coliform and less than two through 520 CFU/100 mL for fecal streptococcus, with five wells testing positive for fecal coliform and 11 wells testing positive for fecal streptococcus. Two of the wells in the totals above were positive for fecal coliform and 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 an occasion 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. Domestic wells do not have a chlorination requirement. The Authority's bacteria samples are collected with great care to avoid post-collection contamination.

Nitrates—Seventy-six wells were sampled in Kinney, Uvalde, Medina, Bexar, Atascosa, Comal, and Hays counties for the presence of nitrate-nitrite as nitrogen concentrations in 2007. 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. Generally concentrations of nitrate below one mg/L are 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); from septic systems, leaking sewer lines, and animal waste; and from nitrogen compounds used as blasting agents in quarrying operations. Concentrations of nitrate above the MCL of 10 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. High nitrate levels do not appear to have an acute health affect on older people.

Of the 76 wells sampled for nitrate, one well exceeded the MCL of 10 mg/L. Three wells indicated a concentration above five mg/L, but less than 10 mg/L. Another 22 wells contained concentrations at or above 2.0 mg/L, including three wells in Uvalde County, four wells in Medina County, nine wells in Bexar County, three wells in Comal County, and seven wells 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 6.80 mg/L

Comal County

- DX-68-30-221 at 6.70 mg/L

Hays County

- LR-67-09-1SM at 10.50 mg/L
- LR-67-09-1AA at 9.01 mg/L

VOCs—In 2007, water samples collected from 48 wells were analyzed for VOCs. No VOC analytes were detected in well samples in 2007.

SVOCs—In 2007, 48 wells were sampled for SVOCs. None of the wells sampled in 2007 tested positive for SVOC compounds.

Pesticides, Herbicides, and PCBs—Well water samples collected from 38 wells were analyzed for pesticides, herbicides, and PCBs in 2007. None of the wells sampled tested positive for pesticides, herbicides, or PCBs in 2007.

In summary, compounds detected in calendar year 2007 well samples do not indicate widespread contamination in the aquifer. However, it should be noted that nitrate detections above two mg/L were not uncommon. Nitrate concentrations will be monitored in the future in order to further assess any potential impact to the aquifer. Other mentioned detections of 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.

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 2007, surface water samples were collected twice from each of these rivers and creeks. 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 normal years, multiple spring orifices are sampled at Comal, Hueco (this spring has A and B areas that are separated by approximately 200 yards), and San Marcos springs, and single spring orifices are sampled at San Antonio and San Pedro springs quarterly. However, drought conditions in 2006 affected flow at Hueco B Spring and San Antonio Springs, well into calendar year 2007. Flow at Hueco B Spring was not sufficient for sample collection until the

March sampling event, whereas flow at San Antonio Springs was not sufficient for sample collection until April 2007. Therefore, San Pedro, Comal, Hueco A, and San Marcos springs were sampled monthly from January through May, with Hueco B and San Antonio springs added to the monthly list in March and April, respectively. This increased sample frequency was an effort to examine potential changes in water quality with rebounding springflow during 2007. Also in 2007, spring water samples were collected once from Pinto and Las Moras (Fort Clark) springs in Kinney County.

Summary of Analytical Results — Water samples from the eight stream locations and seven 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 2007 indicate the presence of one metal at concentrations in excess of an MCL or PCL value. Mercury, whose MCL is 2.0 µg/L, was detected above the MCL at Hueco B and Comal springs. Mercury was also detected below the MCL at Hueco A, San Pedro, and San Marcos springs in calendar year 2007. Antimony was detected below the MCL in one spring and one surface water site in 2007; the MCL for antimony is 6.0 µg/L.

Metals detections at springs in 2007:

- January 2007

  Mercury detected at:

  Hueco A Spring at: 1.72 µg/L

  Comal Spring #1 at: 2.15 µg/L

  San Pedro Springs at: 1.24 µg/L

  San Marcos Springs (Deep Spring) at:
  1.17 µg/L (MCL = 2.0 µg/L)

  Antimony detected at:

  San Marcos Springs (Deep Spring) at:
  0.91 µg/L (MCL = 6.0 µg/L)

- November 2007

  Antimony detected at:

  Hondo Creek, near Tarpley, at:
  0.90 µg/L (MCL = 6.0 µg/L)

- December 2007

  Mercury detected at:

  Hueco B Spring at:
  3.53 µg/L

  Hueco A Spring at:
  1.27 µg/L (MCL = 2.0 µg/L)

  Antimony detected at:

  San Marcos Springs (Deep Spring) at:
  1.17 µg/L (MCL = 6.0 µg/L)

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 16 total surface water samples collected in 2007, nitrate-nitrite as nitrogen concentrations ranged from less than 0.15 to 1.44 mg/L. Of the 51 spring water samples collected in 2007, nitrate-nitrite as nitrogen concentrations ranged between less than 0.15 and 2.29 mg/L. None of the nitrate concentrations detected in springs exceeds the MCL of 10 mg/L (nitrate as nitrogen) for drinking water The highest nitrate concentration at the springs for 2007 was 2.29 mg/L at San Pedro Springs in February.

Bacteria—In 2007, all 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 such as 2007. Floodwater entering into surface streams and spring pools carries bacteria and may account for some of the higher than usual bacteria detections in surface stream samples in 2007. Bacteria results for surface streams in 2007 ranged from 2 CFU/100 mL through “too numerous to count” (TNTC) for fecal coliform, and from less than 2 CFU/100 mL through TNTC for fecal streptococcus. Spring water samples for bacteria ranged from less than 2 through 140 CFU/100 mL for fecal coliform, and from less than 2 through 73 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. In extremely wet years such as 2007, surface streams can be expected to contain higher than normal bacteria levels, as is seen in the wide range of detections listed herein.

VOCs, SVOC, Herbicides, Pesticides, and PCBs—Stream samples were 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. Stream samples were tested for organic compounds related to herbicides and pesticides in 2007, with no positive results noted for these compounds.

Water samples collected from all the springs were analyzed for VOCs in 2007. Three of the spring groups tested positive for VOC concentrations during calendar year 2007 sampling. Water samples collected from all the springs were also tested for SVOCs, with four spring groups testing positive for detections of SVOCs in 2007. Spring samples were also tested for organic compounds related to herbicides and pesticides in 2007, with no positive results noted for these compounds.

VOC detections at springs in 2007:

Hueco A Spring, December 2007

- 1,3,5-Trimethylbenzene: 2.98 µg/L (MCL = 1,200 µg/L)
- Toluene: 2.49 µg/L (MCL = 1,000 µg/L)
- 1,2,4-Trimethylbnzene: 4.54 µg/L (PCL = 1,200 µg/L)
- m,p-Xylene: 3.25 µg/L (MCL = 1,000 µg/L)

Hueco A Spring, April 2007

- Naphthalene: 2.26 µg/L (PCL = 490 µg/L)

San Marcos Springs (Deep Spring), April 2007

- Naphthalene: 3.65 µg/L (PCL = 490 µg/L)

Comal Springs (Spring Run 3), April 2007

- Naphthalene: 2.11 µg/L (PCL = 490 µg/L)

SVOC detections at springs in 2007:

Hueco A Spring, April 2007

- Phenol: 0.51 µg/L (PCL = 7,300 µg/L)
- 2-Methylnaphthalene: 1.29 µg/L (PCL = 98 µg/L)

Hueco B Spring, March 2007

- Phenol: 0.40 µg/L (PCL = 7,300 µg/L)

San Marcos Springs (Deep Spring), January 2007

- Phenol: 1.58 µg/L (PCL = 7,300 µg/L)

San Marcos Springs (Deep Spring), April 2007

- Phenol: 0.95 µg/L (PCL = 7,300 µg/L)
- 2-Methylnaphthalene 1.02 µg/L (PCL = 98 µg/L)

Comal Springs (Spring Run 3), April 2007

- 2-Methylnaphthalene: 1.29 µg/L (PCL = 98 µg/L)

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 is often not detected again during the next sampling event, when the subsequent event is performed several weeks or months later. VOC and SVOC detections at the springs provide a good example of this characteristic in which contaminants are detected intermittently or results are not reproduced between sampling events.

Surface water samples and spring water samples from the seven spring groups were tested for herbicides, pesticides, and PCBs in 2007. Results for all surface and spring water samples in this category were negative for calendar year 2007.

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 16.

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 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 research 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 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 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

Table 16. 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).

saline water study. Water quality in these transect wells has been relatively uniform, with no significant changes 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. The transect wells installed by the EUWD, or by SAWS with participation by the Authority, are summarized below:

- 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. 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 Water Quality in Calendar Year 2007

In calendar year 2007, the Authority performed extended sampling in response to a large wooden debris fire in Helotes, Texas. On December 25, 2006, a fire was reported in a debris pile located near a quarry site. The debris pile contained brush and similar debris destined for conversion into mulch. The pile, approximately 80 feet tall and covering 4.1 acres, contained an estimated 171,000 cubic yards of debris and was located primarily on the recharge zone of the Edwards Aquifer. Because a smoke problem was created by the fire, TCEQ ruled that the area was an air quality health hazard and assumed fire-fighting responsibilities. As many as 400 residents needed to be relocated because of public health concerns, and local schools were closed during periods of dense smoke.

Because the debris pile was initiated within a former gravel quarry that had been excavated to the Edwards Limestone, it was determined that a direct connection existed between the debris pile and the Edwards Aquifer. Concerns were raised that water used to douse the fire could possibly end up in the aquifer. Sampling was conducted by multiple agencies, including TCEQ, SAWS, and the Authority. Samples were collected and analyzed for a broad spectrum of parameters at multiple locations by the agencies involved. In addition, the Authority utilized its Perkin Elmer LS-50B Luminescence Spectrometer to analyze water samples for fluorescence related to organic acids that could potentially be associated with leachate and runoff water from the fire-fighting liquids.

Concerns about impacts to groundwater were substantiated within one week of fire fighting, when

two private wells located just west of the debris fire became affected. Pollutants such as discolored water and smoke odors occurred in these wells as a result of runoff water being used in fire-fighting activities. Samples taken from the wells by the TECQ contained dimethylphenol, 2-methylphenol, 4-methylphenol, phenol, acenaphthylene, flourene, naphthalene, 2-butanone, and acetone (Wyman and Cook, 2007). These pollutants soon spread to an additional five wells located west and south of the debris fire. Water samples from impacted wells also typically had a dark organic coloration and an odor of wood ash.

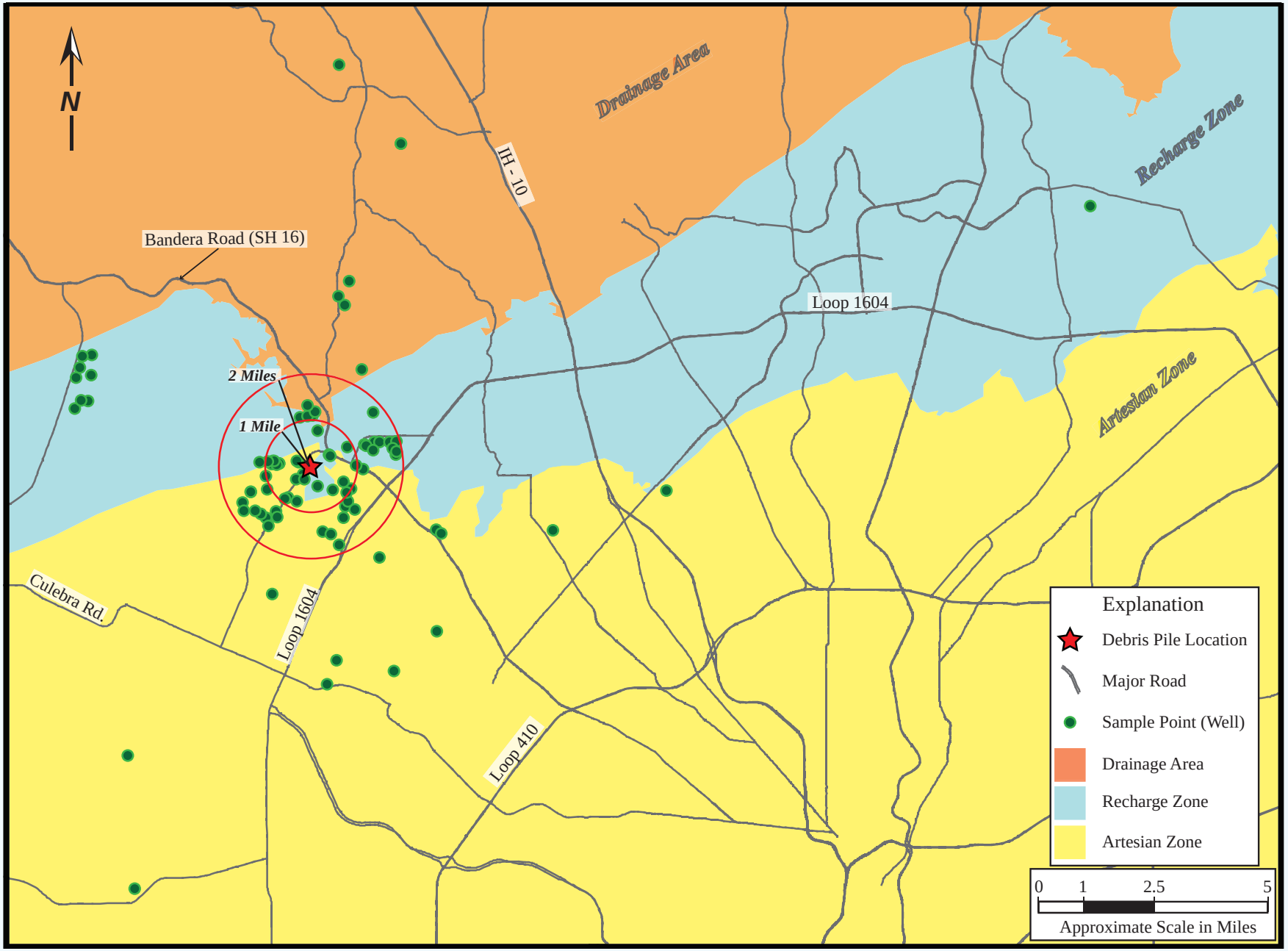
To control the possible spread of pollution in the aquifer, fire-fighting activities were ended, and sampling of nearby water wells located within a roughly two-mile radius (referred to herein as Tier I–Tier II sampling) of the debris pile was initiated by TCEQ. Fifteen Tier I wells, located within an approximate one-mile radius of the debris fire, were sampled daily, whereas 13 Tier II wells, located within an approximately two-mile radius, were sampled every other day. Additionally, another 21 wells located outside of these areas were periodically sampled for turbidity. During the course of activities associated with the fire, 41 more wells, in addition to those just mentioned, were sampled.

A detailed fire-fighting plan was developed jointly by cooperating governmental agencies. The plan involved a sluice-quench pit system containing clay liners, which was located adjacent to the debris fire. The fire was doused with enough water to eliminate the flames, and excess water was funneled into an adjacent sluice pond for recycling. Heavy equipment was then used to push the smoldering embers into a quench pond for extinguishment. Because the amount of water for fire fighting was being minimized, the amount of water able to reenter the aquifer was minimized as well. A balancing act between extinguishing the fire while minimizing potential impacts to the aquifer was established. Nearby residents whose wells had been affected were provided with alternate sources of water until their wells were declared safe.

By late March, the fire had been extinguished, although Tier I and Tier II wells were sampled for an additional month. In the end, Authority staff worked a total of 1,520 hours on this incident. Most of the work involved offering expertise, assisting in fire-fighting plans, and analyzing samples. During this time, the Authority analyzed more than 3,000 water samples from 90 water wells for fluorescence using the spectrometer and provided the analytical results to the TECQ and other agencies to use as an indicator of potentially impacted wells. Although the Authority sampled 10 wells for laboratory analyses during this time, none of these wells tested positive for the compounds detected in wells sampled by the TCEQ. The Authority also sampled a limited number of wells for fluorescence; however, the TCEQ collected most of these samples. Figure 14 provides a summary of well locations sampled.

Events surrounding the Helotes debris fire were a reminder of the sensitivity of the Edwards Aquifer to surface contamination. The aquifer, like most karst aquifer systems, does not filter surface waters that enter the system. As was noted during the Helotes debris fire, surface contaminants enter and travel quickly through the system from the recharge zone. The Authority will continue monitoring significant events that affect water quality in the Edwards Aquifer in the future as part of an ongoing water quality monitoring effort.

Figure 14. Wells Sampled within and near the One- and Two-Mile Radii in Response to the Helotes Debris Fire, Calendar Year 2007



SUMMARY

This report presents the results of the Authority's Edwards Aquifer Data Collection Program for calendar year 2007. During 2007, 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
- Significant events affecting water quality in calendar year 2007

Groundwater Level Data

Except for a few brief periods early in the year, water levels at the Bexar County (J-17) index well were significantly above the historical mean during calendar year 2007. Other wells in the region exhibited similar behavior. In 2007 aquifer (groundwater) levels responded rapidly to the higher-than-normal rainfall amounts across the region, resulting in water levels that were higher than those recorded in calendar year 2006.

Precipitation Measurement Data

Precipitation in the Edwards Aquifer region was above the mean in 2007, with rainfall amounts ranging from approximately 5.02 inches above the mean in New Braunfels, to 27.98 inches above the mean in Hondo. According to the calibrated NEXRAD radar data for 2007, rainfall in the region ranged from a low of approximately 20 inches (in parts of Kinney County), to a high of approximately 63 inches in east central Bandera County.

Groundwater Recharge Data

Total recharge to the Edwards Aquifer was very high at 2,162,300 acre-feet in 2007, or approximately 369 percent above the median annual recharge value of 585,700 acre-feet for the period of record (1934–2007). 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 2007 was above 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 2007, groundwater discharge from the Edwards Aquifer through wells and springs totaled 917,900 acre-feet. This amount is approximately 132 percent above the median of 694,600 acre-feet in the period of record (1934–2007). The lowest total annual discharge through wells and springs was 388,800 acre-feet in 1955, and the highest annual discharge was 1,130,000 acre-feet in 1992.

Discharge from wells in 2007 was estimated to be 296,900 acre-feet, or 78 percent of the 379,900 acre-foot 10-year median (1998–2007). The lowest annual discharge from wells for the period of record (1934–2007) was 101,900 acre-feet in 1934, and the highest was 542,400 acre-feet in 1989.

Discharge from springs in 2007 was estimated to be 621,000 acre-feet, approximately 19 percent more than the 10-year mean of 522,200 acre-feet. The lowest annual discharge from springs for the period of record (1934–2007) was 69,800 acre-feet in 1956, and the highest was 802,800 acre-feet in 1992. Springflow responded well to the above-normal rainfall amounts that occurred across the region in 2007.

Water Quality Data from Groundwater, Surface Water, and Springs

In 2007, the Authority collected water quality samples from 76 wells, eight streams, and seven spring groups. In 2007, wells were generally sampled once, streams

were generally sampled twice, and the major spring groups were sampled monthly from January through May and again in December. Pinto and Fort Clark Springs were sampled only once, in the month of October. Water samples from most sampling events were analyzed for major ions, metals, TDS, hardness, and nutrients. Water samples from 48 wells and seven spring groups were also analyzed for VOCs. Water samples from 48 wells and seven spring groups were also analyzed for SVOCs. Water samples collected from 38 wells, eight stream locations, and seven 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 antimony and strontium, normally at concentrations less than their respective MCLs. However, concentrations of regulated metals above MCLs 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 2007, strontium was detected at three locations in the freshwater part of the aquifer and at five locations in the saline zone above the 15,000 µg/L MCL. Other metals detected include iron at one location above the secondary standard. Surface and spring water sample analyses indicated the presence of mercury at two spring groups above the 2.0 µg/L MCL. Mercury was also detected at two other spring groups at concentrations below the MCL.

For samples collected in 2007, bacteria concentrations indicated a wet year. Raw groundwater bacteria results from wells ranged from less than two CFU/100 mL to 13 CFU/100 mL for fecal coliform, and from less than two to 520 CFU/100 mL for fecal streptococcus. With five wells testing positive for fecal coliform and 11 wells testing positive for fecal streptococcus, two of the wells in the totals above were positive for fecal coliform and fecal streptococcus. Surface and spring water samples also indicated bacteria counts indicative of a wet year. Surface water bacteria ranged from two CFU/100 mL through TNTC for fecal coliform, and from less than two CFU/100 mL through TNTC for fecal streptococcus. Spring water samples for bacteria ranged from less than two through 140 CFU/100 mL for fecal coliform, and from less than two through 73 CFU/100 mL for fecal streptococcus. Two of the wells in the totals above were positive for fecal coliform and fecal streptococcus.

For samples collected in 2007, nitrate-nitrite as nitrogen concentrations ranged from below the laboratory reporting limit of 0.015 mg/L to 10.50 mg/L in samples from wells, streams, and springs in the Edwards Aquifer region. Well water samples showed the greatest variation, ranging from below the laboratory reporting limit to 10.50 mg/L. Surface water samples ranged from below the reporting limit to 1.44 mg/L, whereas spring water samples ranged from below the reporting limit to 2.29 mg/L (nitrate as nitrogen). Only one of the samples collected exceeded the MCL of 10 mg/L of nitrate as nitrogen.

In 2007, 48 wells and seven spring groups were analyzed for VOCs. No VOCs were detected in the 48 wells sampled. The compounds 1,3, 5-trimethylbenzene, toluene, 1,2,4-trimethylbenzene, m,p-xylene, and naphthalene were detected in spring water samples at concentrations well below their respective MCL and PCL values.

In 2007, 48 wells and seven spring groups were sampled for SVOCs. No SVOCs were detected in well samples; however, the compounds phenol and 2-methylnaphthalene were detected in spring water samples in 2007 at concentrations well below the PCL values.

In 2007, samples from 38 wells, eight streams, and seven 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, as well as trace quantities of metals such as mercury, 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 was detected in all sample types; however, well samples had the highest concentrations, with 26 of 76 wells sampled testing positive for nitrate-nitrite at 2.0 mg/L or higher. Four of the 76 wells had nitrate-nitrite concentrations above 5.0 mg/L; the MCL for nitrate-nitrite is 10 mg/L.

Confirmed detections of anthropogenic compounds such as VOC and SVOC detections at the springs 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.

Significant Events Affecting Water Quality in Calendar Year 2007

In addition to routine samples collected from wells, streams, and springs in 2007, the Authority analyzed more than 3,000 fluorescence samples from 90 wells during the year in response to the Helotes debris fire. The fire was located primarily over the recharge zone of the aquifer and burned from the end of December 2006 until late March 2007. An estimated 171,000 cubic yards of brushy debris required the cooperative efforts of the TCEQ, SAWS, the Authority, the City of Helotes, and many local entities to extinguish the fire while limiting impacts to the Edwards Aquifer from fire-fighting liquids. Samples collected and analyzed by the TCEQ indicated that some residential wells in close proximity to the fire were impacted by leachate and/or runoff water from fire-fighting activities. This information resulted in development of a unique fire-fighting plan to prevent further impacts to the aquifer, which included regular collection of samples from wells within a two-mile radius of the fire and screening these samples for indicators associated with fire-fighting activities. One of the screening parameters was analyses of samples for organic acids using the Authority's Perkin Elmer LS-50B Luminescence Spectrometer. Regular monitoring, combined with a well-developed plan to limit runoff water, appears to have prevented significant widespread contamination of the aquifer.

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.

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.

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.

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.

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 one 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 one 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.

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*.

10-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 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.

ACKNOWLEDGMENTS

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REFERENCES

Clear Creek Solutions, Inc., 2007, HSPF Recharge Model Refinement Report, 37 p.

Green, R.T., 2004, Geophysical survey to determine the depth and lateral extent of the Lorena Aquifer and evaluation of discharge through the Leona River floodplain, south of Uvalde, Texas: CNRWA, Southwest Research Institute, 17 p.

Groschen, G.E., 1993, Estimation of recharge by the U.S. Geological Survey, from Texas sections joint spring meeting and Texas hydrology roundup, Austin, Texas, (USA), April, 16, 1993, Jennings, Marshall E., ed., in Proceedings: Texas sections joint spring meeting and Texas hydrology roundup, American Institute of Hydrology, 4 p.

LBG-Guyton Associates, 2005, HSPF Recharge Models for the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer. 230 p.

Pavilicek, D.J., Small, T.A., and Rettmann, P.L., 1987, Hydrogeologic data from a study of the freshwater zone/saline-water zone interface in the Edwards Aquifer, San Antonio Region, Texas: U.S. Geological Survey Open-File Report 87-389, 108 p.

Poteet, D., Collier, H., and Maclay, RW., 1992, Investigation of the fresh/saline-water interface in the Edwards Aquifer in New Braunfels and San Marcos, Texas: San Antonio, Texas, Edwards Underground Water District Report 92-02. 182 p.

Reeves, R.D., 1971, Results of test drilling at the San Marcos Fish Hatchery, Texas: U.S. Geological Survey Open-File Report. 11 p.

Ruiz, A., 2003, Southwest Texas Rain Enhancement Association: EAA Final Report. 54 p.

Ruiz, A., 2004, Southwest Texas Rain Enhancement Association: EAA Final Report. 12 p.

Ruiz, A., 2008, Southwest Texas Rain Enhancement Association: EAA Final Report. 5 p.

STREA, 2005, Southwest Texas Rain Enhancement Association, 2005 Edwards Aquifer Authority Final Report, prepared by Stephanie Beall. 19 p.

STWMA, 2005, South Texas Weather Modification Association, Edwards Aquifer Authority Target Area, 2005 Report, prepared by Todd Flanagan Project Meteorologist. 43 p.

United States Department of Commerce, 2008, Climatological Data Monthly summaries: National Oceanic and Atmospheric Administration (NOAA), http://www.srh.noaa.gov/ewx/html/Climate.htm

William F. Guyton Associates, Inc., 1992. Memorandum Report on Compilation and Analysis of Well and Census Data for the Edwards Aquifer, San Antonio Area, Texas. 9 p.

Winslow, A.G., and Kister, L.R., 1956, Saline-Water Resources of Texas: U.S. Geological Survey Water-Supply Paper 1365. 105 p.

Woodley Weather Consultants, 2002, Assessment of the Effect of Cloud Seeding in the Edwards Aquifer Target during the 1999, 2000, and 2001 Seasons. 176 p.

Wyman, R.M., and Cook, K., 2007, Fire on the water: Impacts of firefighting activities for the Helotes Mulch Fire on the Edwards Aquifer: Gulf Coast Association of Geological Societies Transactions, v. 57, p. 809-821.

Internet Resources:

MCL Information and Tables:
http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=290&sch=F&rl=Y

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 2007 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), 2007.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	868.6	868.9	868.3	868.0	868.7	870.7	872.1	877.0	879.9	881.7	882.2	882.5
2	868.6	868.9	868.3	868.0	868.8	870.7	872.2	877.1	880.0	881.7	882.2	882.5
3	868.7	868.9	868.2	868.1	868.9	870.8	872.3	877.3	880.0	881.8	882.2	882.4
4	868.8	868.9	868.2	868.1	869.0	870.8	872.3	877.4	880.3	881.8	882.2	882.5
5	868.7	868.8	868.1	868.1	869.0	870.9	872.4	877.5	880.3	881.8	882.3	882.5
6	868.7	868.8	868.1	868.2	869.1	871.0	872.5	877.7	880.4	881.9	882.2	882.5
7	868.7	868.8	868.0	868.2	869.1	871.0	872.6	877.8	880.5	881.9	882.3	882.5
8	868.7	868.8	868.0	868.3	869.3	871.1	872.7	877.8	880.5	881.9	882.3	882.5
9	868.7	868.9	867.9	868.4	869.4	871.1	872.7	878.0	880.6	881.9	882.3	882.5
10	868.7	868.8	867.9	868.4	869.5	871.1	872.8	878.0	880.7	882.0	882.3	882.6
11	868.7	868.8	867.9	868.5	869.6	871.2	872.8	878.1	880.7	882.0	882.3	882.6
12	868.7	868.8	867.9	868.5	869.6	871.1	872.9	878.2	880.8	882.0	882.3	882.6
13	868.7	868.8	867.9	868.6	869.7	871.1	873.0	878.3	880.8	882.1	882.3	882.6
14	868.7	868.8	867.9	868.6	869.7	871.0	873.1	878.4	880.9	882.1	882.3	882.7
15	868.7	868.8	867.9	868.6	869.8	871.0	873.1	878.5	880.9	882.1	882.2	882.7
16	868.8	868.8	867.9	868.6	869.7	871.1	873.2	878.7	881.0	882.1	882.3	882.6
17	868.8	868.8	867.9	868.6	869.7	871.1	873.3	878.7	881.1	882.1	882.3	882.7
18	868.8	868.7	867.9	868.6	869.7	871.1	873.4	878.8	881.1	882.1	882.3	882.7
19	868.8	868.7	867.9	868.5	869.7	871.2	873.5	878.9	881.2	882.1	882.3	882.7
20	868.8	868.6	867.9	868.5	869.7	871.3	873.6	879.0	881.2	882.1	882.4	882.7
21	868.8	868.6	867.8	868.4	869.9	871.4	873.8	879.0	881.3	882.2	882.4	882.7
22	868.8	868.6	867.8	868.4	869.9	871.4	874.3	879.1	881.3	882.2	882.3	882.7
23	868.8	868.5	867.8	868.4	869.9	871.5	874.7	879.2	881.4	882.1	882.4	882.6
24	868.9	868.5	867.8	868.4	870.0	871.6	875.0	879.2	881.5	882.2	882.4	882.7
25	868.9	868.5	867.8	868.5	870.2	871.6	875.4	879.3	881.5	882.2	882.4	882.7
26	868.9	868.4	867.8	868.5	870.2	871.7	875.6	879.4	881.5	882.2	882.4	882.7
27	868.9	868.4	867.8	868.6	870.3	871.8	875.8	879.5	881.6	882.2	882.4	882.7
28	868.9	868.4	867.9	868.6	870.4	871.9	876.2	879.5	881.6	882.2	882.4	882.6
29	868.9		867.9	868.6	870.5	872.0	876.6	879.6	881.6	882.2	882.4	882.7
30	868.9		867.9	868.7	870.5	872.0	876.8	879.7	881.7	882.2	882.4	882.6
31	868.9		868.0		870.6		876.9	879.8		882.2		882.6

Table A-2. City of Hondo Well (TD-69-47-306) Daily High Water Levels (in feet above msl), 2007.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	709.8	716.0	709.5	721.0 op	723.7	729.6	738.5	762.8	768.6	769.6	765.5	763.4
2	710.2	715.8	709.1	721.7 op	724.7	729.7	739.2	762.8	768.8	769.4	765.2	763.3
3	710.5	715.4	708.6	722.3 inc	725.2	729.6	739.9	762.8	768.9	769.5	764.9	762.9
4	711.2	715.4	708.1	722.2	725.5	729.5	741.3	762.9	769.2	769.2	764.7	762.9
5	711.8	715.1	708.3	722.4	725.8	729.6	742.4	762.9	769.9	768.9	764.7	763.0
6	712.0	715.0	707.5	722.3	725.8	729.7	743.1	762.9	770.4	768.5	764.4	762.6
7	712.1	715.0	707.2	722.2	725.7	729.6	744.1	762.7	770.8	768.4	764.3	762.5
8	712.3	715.0	706.3	722.4	725.7	729.0	745.1	762.5	771.2	768.3	764.5	762.3
9	712.1	714.8	706.2	722.6	725.6	728.3	745.7	762.3	771.4	768.2	764.5	762.4
10	712.4	714.4	706.0	722.9	725.6	727.6	745.9	762.0	771.4	768.1	764.5	762.4
11	712.5	714.6	706.1	722.9	725.7	727.0	746.1	761.8	771.6	768.1	764.5	762.5
12	712.4	714.7	707.4	722.7	725.7	725.5	746.3	761.4	771.9	767.8	764.3	762.3
13	712.4	714.6	709.2 op	722.7	725.6	723.2	746.3	760.9	772.1	767.9	764.2	762.3
14	712.6	714.2	711.3 op	722.5	725.5	721.1	746.3	760.1	771.9	767.8	764.1	762.5
15	712.6	714.1	712.4 op	722.4	725.3	719.0	746.6	759.9	771.8	767.7	763.8	762.6
16	712.6	714.0	713.1 op	722.5	724.9	721.9	746.8	761.2	771.8	767.3	763.9	762.4
17	713.0	713.9	714.0 op	722.6	724.5	724.9	747.0	764.3	771.8	767.4	763.6	762.4
18	713.4	713.8	714.6 op	722.5	724.2	726.4	747.2	766.0	771.8	767.2	763.7	762.4
19	713.8	713.8	714.8 op	722.1	723.6	727.3	747.6	767.0	771.8	766.6	763.5	761.6
20	714.4	713.5	715.0 op	722.0	723.2	728.5	748.0	767.6	771.7	766.5	763.4	761.1
21	714.5	712.9	715.1 op	721.7	723.0	730.0	750.9	767.9	771.5	766.7	763.4	760.7
22	714.5	712.1	715.3 op	721.6	723.2	730.9	753.7	768.2	771.3	766.5	762.9	760.8
23	714.6	712.0	715.3 op	721.4	723.2	731.8	755.4	768.5	771.0	766.6	763.2	760.9
24	714.6	711.9	715.3 op	721.4	723.2	732.4	756.6	768.7	770.9	766.7	763.6	761.1
25	715.1	711.3	715.3 op	721.9	723.5	732.7	757.7	768.7	770.7	766.6	763.8	761.3
26	715.6	710.9	715.5 op	722.2	724.4	733.0	759.0	768.8	770.5	766.3	763.8	761.4
27	715.8	710.4	716.0 op	722.4	726.6	733.2	760.1	768.7	770.3	766.0	763.7	760.9
28	715.6	709.8	716.5 op	722.4	727.8	734.6	760.9	768.6	769.8	765.8	763.6	760.3
29	715.7		716.8 op	722.4	728.5	736.5	761.6	768.4	769.7	765.6	763.4	759.8
30	715.8		717.5 op	722.8	728.9	737.7	762.1	768.3	769.6	765.4	763.3	759.5
31	715.9		719.8 op		729.3		762.4	768.5		765.6		759.3

op = Back-up data from orphimedes equipment.
inc = Incomplete data (not a complete day of data).

Table A-3. City of Castroville Well (TD-68-41-301) Daily High Water Levels (in feet above msl), 2007.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	689.6	695.6	690.1	699.3	703.2	ND	716.3	735.8	738.9	736.9	732.9	731.0
2	689.8	695.3	689.6	700.3	704.2	ND	716.6	735.8	739.0	736.8	732.8	731.0
3	692.1	695.0	689.2	700.9	705.1	ND	721.2	735.8	739.0	736.8	732.6	730.7
4	690.6	695.0	688.7	701.1	705.5	ND	718.5	735.8	740.3	736.7	732.4	730.7
5	691.2	694.7	688.5	701.3	705.7 inc	ND	719.4	735.8	739.6	736.4	732.4	730.7
6	691.3	694.5	688.2	701.3	ND	ND	720.2	735.4	739.9	736.2	732.2	730.4
7	691.5	694.5	687.9	701.5	ND	ND	722.4	734.4	740.1	735.8	732.0	730.2
8	691.6	694.4	687.4	701.6	ND	ND	722.1	734.2	740.3	735.5	732.1	730.2
9	691.5	694.3	687.0	701.9	ND	ND	722.7	734.0	740.4	735.4	732.0	730.2
10	691.8	694.1	686.8	702.3	ND	ND	722.8	733.6	740.5	735.4	732.0	730.1
11	691.9	694.2	688.3	702.3	ND	ND	723.0	733.3	740.7	735.4	732.0	730.1
12	691.9	694.3	687.2	702.1	ND	ND	723.1	733.0	740.1	735.3	731.8	729.8
13	693.8	694.3	689.4	703.3	ND	ND	723.1	732.5	740.2	735.2	731.5	729.9
14	692.0	693.9	691.2	702.4	ND	ND	723.1	731.9	740.1	735.1	731.5	730.1
15	692.0	693.7	692.4	702.1	ND	ND	724.3	731.4	739.9	734.9	731.2	730.2
16	692.1	693.7	693.2	702.1	ND	ND	723.5	745.9	739.8	734.7	731.3	730.0
17	692.3	693.6	694.0	702.4	ND	ND	723.6	734.9	739.8	734.7	731.3	729.9
18	692.7	693.3	694.7	702.3	ND	ND	724.7	736.3	739.8	734.4	731.3	729.9
19	693.1	693.4	695.0	702.1	ND	ND	724.3	737.3	739.7	734.3	731.2	729.6
20	693.7	693.1	695.3	701.9	ND	ND	724.8	737.9	739.5	734.0	731.1	729.3
21	694.0	692.7	695.5	701.7	ND	ND	729.6	738.3	739.3	734.0	731.1	729.1
22	694.0	692.1	695.6	701.6	ND	708.6 inc	727.8	738.5	739.0	735.3	730.7	729.1
23	694.0	691.9	695.7	701.5	ND	709.8	729.1	738.9	738.6	733.8	730.8	728.8
24	694.5	691.9	695.8	701.5	ND	710.5	730.2	739.0	738.2	734.0	731.2	729.0
25	694.6	691.3	695.7	704.1	ND	710.9	731.2	739.1	737.6	733.9	731.4	729.2
26	695.1	691.1	696.8	701.8	ND	711.2	732.3	739.2	737.7	733.7	731.3	729.2
27	695.4	690.7	696.2	702.1	ND	711.3	733.4	738.6	737.7	733.5	731.1	728.8
28	695.3	690.3	696.8	702.1	ND	716.9	734.2	738.8	737.4	733.3	731.2	728.6
29	695.5		697.4	702.2	ND	713.7	734.9	738.7	737.2	733.1	731.1	728.0
30	695.5		702.1	705.1	ND	714.9	735.2	738.8	737.1	733.0	731.0	727.7
31	695.6		698.5		ND		735.6	739.8		732.9		727.4

Table A-4. Bexar County Index Well J-17 (AY-68-37-203) Daily High Water Levels (in feet above msl), 2007.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	666.1	671.3	665.0	675.7	679.0	679.5	685.1	699.4	700.2	695.6	692.3	691.4
2	666.0	671.0	664.5	676.0	679.5	679.5	685.4	699.0	700.1	695.5	692.2	691.4
3	665.8	670.9	664.4	676.3	679.9	679.5	686.0	698.7	700.2	695.2	692.1	691.0
4	667.0	670.8	664.2	676.3	680.0	679.6	686.6	698.9	700.1	695.2	692.2	691.0
5	667.9	670.1	663.5	676.3	680.3	679.7	687.0	699.2	700.2	695.0	691.8	691.0
6	668.4	669.8	663.3	676.3	680.5	679.6	687.7	698.6	700.4	695.0	691.9	690.8
7	668.6	670.0	662.9	676.2	680.1	679.4	688.5	698.4	700.7	694.8	691.9	690.6
8	667.9	669.7	662.4	676.8	680.0	679.1	689.4	697.9	700.6	694.4	692.1	690.8
9	667.7	669.8	662.0	677.0	679.5	678.7	689.5	697.4	700.6	694.4	691.7	690.9
10	667.5	669.9	662.1	677.3	679.5	678.4	689.4	697.2	700.2	694.3	691.9	690.7
11	667.6	669.9	661.9	677.3	679.4	677.9	689.6	696.7	700.1	694.2	691.9	690.7
12	667.5	669.8	664.4	677.3	679.4	677.0	689.6	696.4	700.5	693.8	691.5	690.6
13	667.8	669.4	667.4	677.3	679.2	675.8	689.5	695.9	700.4	693.9	691.8	690.8
14	668.3	669.1	669.2	677.5	678.7	675.0	689.4	695.3	699.7	693.9	691.6	690.8
15	668.4	668.9	670.2	677.7	678.3	674.2	689.9	694.9	699.7	693.6	691.3	691.0
16	668.8	668.8	670.7	677.3	678.0	674.4	690.2	696.0	699.8	693.5	691.2	691.0
17	669.5	669.0	671.2	677.6	677.7	675.7	690.3	698.5	699.5	693.7	691.4	690.9
18	669.9	668.7	671.6	677.8	677.3	676.1	690.8	699.1	699.3	693.4	691.6	690.8
19	670.4	668.1	671.6	677.4	676.9	676.3	691.1	699.9	698.5	693.2	691.5	690.6
20	671.1	667.7	671.8	677.3	676.7	677.7	691.3	699.8	698.2	693.2	691.3	690.6
21	671.4	667.1	672.0	677.3	676.3	678.5	692.6	699.9	697.8	693.3	691.1	690.3
22	671.2	666.7	671.9	677.3	676.3	679.4	693.5	700.0	697.8	692.8	690.9	690.6
23	670.6	666.3	671.9	677.3	676.3	680.1	694.1	700.1	697.4	693.2	691.2	690.4
24	670.5	666.7	672.0	676.9	675.9	680.6	694.8	700.1	697.0	693.2	691.5	690.4
25	671.1	666.2	672.0	677.5	676.4	680.7	696.4	700.2	696.6	693.0	691.8	690.4
26	671.6	665.6	671.9	677.9	677.2	681.0	697.8	700.1	696.4	693.0	691.7	690.5
27	672.1	665.3	672.8	678.1	678.3	681.0	698.5	699.8	696.3	693.0	691.5	690.3
28	671.9	665.0	673.3	678.2	679.0	682.0	699.1	699.8	695.8	692.9	691.5	690.2
29	671.5		673.4	678.0	679.3	683.7	699.4	699.3	695.8	692.6	691.4	689.9
30	671.6		674.1	678.2	679.5	684.4	699.6	699.3	695.9	692.3	691.2	689.7
31	671.5		675.2		679.5		699.4	699.5		692.3		689.6

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

Table A-5. Landa Park Well (DX-68-23-302) Daily High Water Levels (in feet above msl), 2007.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	625.44	626.21	625.71	626.68	627.24	627.34	627.96	630.66	630.89	630.50	629.92	629.64
2	625.42	626.19	625.67	626.70	627.26	627.36	627.99	630.68	630.91	630.49	629.89	629.64
3	625.41	626.17	625.64	626.74	627.28	627.37	628.73	630.66	630.90	630.48	629.87	629.61
4	625.62	626.18	625.62	626.76	627.30	627.39	628.49	630.68	630.91	630.45	629.88	629.61
5	625.53	626.17	625.59	626.77	627.32	627.40	628.35	630.72	630.91	630.36	629.87	629.60
6	625.56	626.12	625.54	626.78	627.34	627.44	628.63	630.71	630.90	630.35	629.84	629.56
7	625.61	626.12	625.50	626.82	627.34	627.41	628.53	630.67	630.90	630.35	629.84	629.55
8	625.60	626.11	625.45	626.89	627.33	627.39	628.63	630.70	630.89	630.33	629.83	629.54
9	625.58	626.09	625.42	626.91	627.33	627.38	628.66	630.67	630.90	630.28	629.82	629.54
10	625.59	626.08	625.42	626.93	627.32	627.39	628.69	630.64	630.93	630.27	629.81	629.54
11	625.58	626.10	625.62	626.95	627.32	627.37	628.69	630.61	630.91	630.25	629.81	629.54
12	625.56	626.13	625.93	626.97	627.30	627.32	628.69	630.61	630.92	630.23	629.79	629.52
13	626.00	626.08	625.85	626.98	627.31	627.26	628.72	630.59	630.87	630.20	629.76	629.50
14	625.80	626.04	625.91	626.99	627.30	627.22	628.74	630.53	630.87	630.20	629.75	629.49
15	626.02	626.01	625.96	627.02	627.25	627.15	628.83	630.52	630.88	630.19	629.73	629.50
16	625.93	626.04	625.99	627.02	627.26	627.14	628.86	631.15	630.88	630.17	629.73	629.50
17	625.99	626.02	626.05	627.04	627.23	627.20	628.86	631.14	630.87	630.18	629.74	629.50
18	626.03	626.03	626.09	627.04	627.20	627.21	629.31	630.80	630.85	630.15	629.74	629.50
19	626.03	626.02	626.13	627.07	627.19	627.18	629.04	630.86	630.81	630.11	629.73	629.46
20	626.05	625.96	626.14	627.04	627.19	627.32	630.22	630.87	630.77	630.09	629.71	629.46
21	626.10	625.93	626.16	627.04	627.17	627.29	629.99	630.87	630.75	630.10	629.70	629.45
22	626.10	625.89	626.18	627.07	627.17	627.33	629.91	630.86	630.72	630.07	629.68	629.44
23	626.08	625.85	626.20	627.07	627.15	627.37	629.98	630.87	630.70	630.07	629.69	629.45
24	626.15	625.84	626.20	627.06	627.12	627.41	630.28	630.87	630.69	630.05	629.72	629.44
25	626.16	625.84	626.24	627.38	627.15	627.96	630.31	630.86	630.63	630.04	629.75	629.46
26	626.18	625.83	626.59	627.12	627.19	627.62	630.43	630.90	630.60	630.02	629.72	629.42
27	626.21	625.76	626.45	627.12	627.24	627.55	630.52	630.88	630.58	630.00	629.67	629.41
28	626.22	625.73	626.44	627.13	627.30	627.64	630.60	630.86	630.54	629.99	629.66	629.38
29	626.23		626.45	627.15	627.34	627.78	630.66	630.85	630.52	629.98	629.65	629.38
30	626.21		626.70	627.32	627.35	627.86	630.68	630.85	630.52	629.95	629.63	629.39
31	626.21		626.62		627.34		630.68	630.85		629.94		629.37

Table A-6. Knispel Well (LR 67-01-809) Daily high water levels (in feet above msl), 2006.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	OOR	OOR	OOR	OOR	578.7	579.7	580.2	N/D	585.4	583.6	581.4	579.4
2	OOR	OOR	OOR	OOR	578.7	579.8	580.2	N/D	585.5	583.6	581.3	579.4
3	OOR	OOR	OOR	OOR	578.7	579.8	580.2	N/D	585.5	583.5	581.2	579.3
4	OOR	OOR	OOR	OOR	578.7	579.8	580.4	N/D	585.4	583.4	581.1	579.2
5	OOR	OOR	OOR	OOR	578.8	579.8	580.6	N/D	585.4	583.3	581.1	579.2
6	OOR	OOR	OOR	OOR	578.7	579.9	580.7	N/D	585.3	583.2	581.0	579.1
7	OOR	577.0	OOR	OOR	578.7	579.9	580.8	N/D	585.2	583.2	580.9	579.0
8	OOR	OOR	OOR	OOR	578.8	579.9	581.0	N/D	585.2	583.1	580.9	579.0
9	OOR	OOR	OOR	OOR	578.8	579.9	581.1	N/D	585.1	583.0	580.8	579.0
10	OOR	OOR	OOR	OOR	578.8	579.9	581.1	585.8 inc	585.1	582.9	580.8	578.9
11	OOR	OOR	OOR	OOR	578.8	579.9	581.1	585.8	585.0	582.8	580.7	578.9
12	OOR	OOR	OOR	578.9	578.8	579.9	581.2	585.8	585.0	582.8	580.6	578.9
13	OOR	OOR	OOR	OOR	578.7	579.9	581.2	585.7	584.9	582.7	580.6	578.8
14	OOR	OOR	OOR	OOR	578.7	579.9	581.2	585.7	584.9	582.6	580.5	578.8
15	OOR	OOR	577.9	OOR	578.7	579.9	581.2	585.7	584.8	582.5	580.4	578.8
16	OOR	OOR	OOR	OOR	578.7	579.9	581.2	585.8	584.7	582.4	580.3	578.7
17	OOR	OOR	OOR	OOR	578.7	579.9	581.2	585.8	584.7	582.4	580.3	578.7
18	OOR	OOR	OOR	578.8 inc	578.7	579.9	581.2	585.7	584.6	582.3	580.2	578.7
19	577.0	OOR	578.1	578.8	578.7	579.9	581.3	585.7	584.6	582.2	580.1	578.6
20	OOR	576.7	OOR	578.8	578.7	580.0	582.0	585.7	584.5	582.2	580.0	578.6
21	OOR	OOR	OOR	578.8	578.7	580.1	582.3 inc	585.7	584.4	582.1	580.0	578.5
22	OOR	OOR	OOR	578.8	578.7	580.1	N/D	585.7	584.3	582.1	579.9	578.5
23	OOR	OOR	OOR	578.8	578.7	580.2	N/D	585.7	584.2	581.9	579.8	578.4
24	OOR	OOR	OOR	578.7	578.6	580.4	N/D	585.6	584.2	581.9	579.8	578.4
25	OOR	OOR	OOR	578.7	578.6	580.4	N/D	585.6	584.1	581.8	579.8	578.4
26	OOR	OOR	OOR	578.7	578.7	580.3	N/D	585.6	584.0	581.8	579.8	578.3
27	OOR	OOR	OOR	578.7	578.8	580.3	N/D	585.6	583.9	581.7	579.6	578.3
28	OOR	OOR	OOR	578.7	579.1	580.2	N/D	585.5	583.8	581.6	579.6	578.3
29	577.1		OOR	578.7	579.4	580.3	N/D	585.5	583.8	581.6	579.5	578.2
30	OOR		OOR	578.7	579.5	580.2	N/D	585.5	583.7	581.5	579.5	578.2
31	OOR		OOR		579.6		N/D	585.5		581.5		578.1

inc = Incomplete data (not a complete day of data).

APPENDIX B

Year 2007 Hydrographs for Index 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

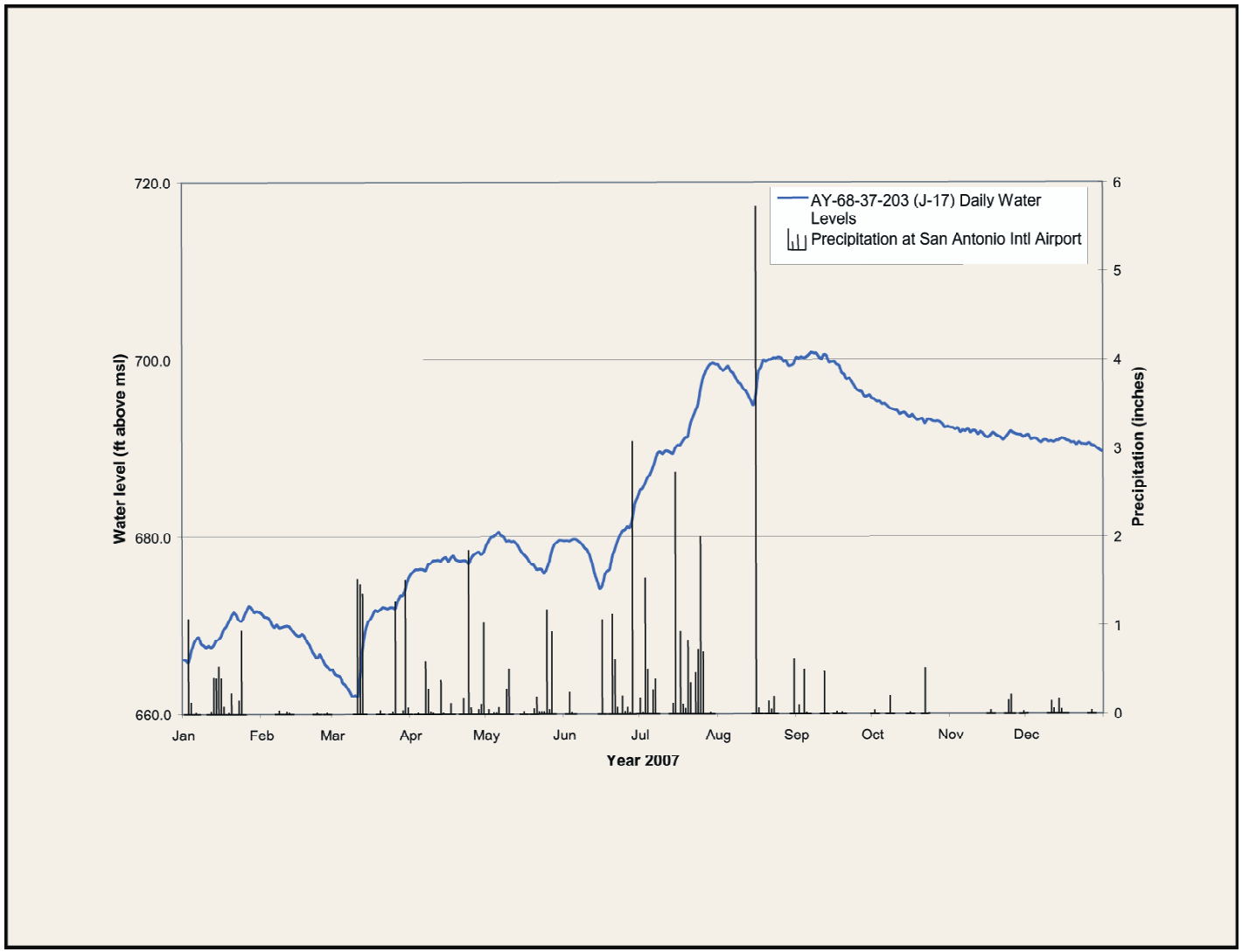


Figure B-2. City of Hondo Well (TD-69-47-306)
Hydrograph of Groundwater Elevation vs. Precipitation at Hondo

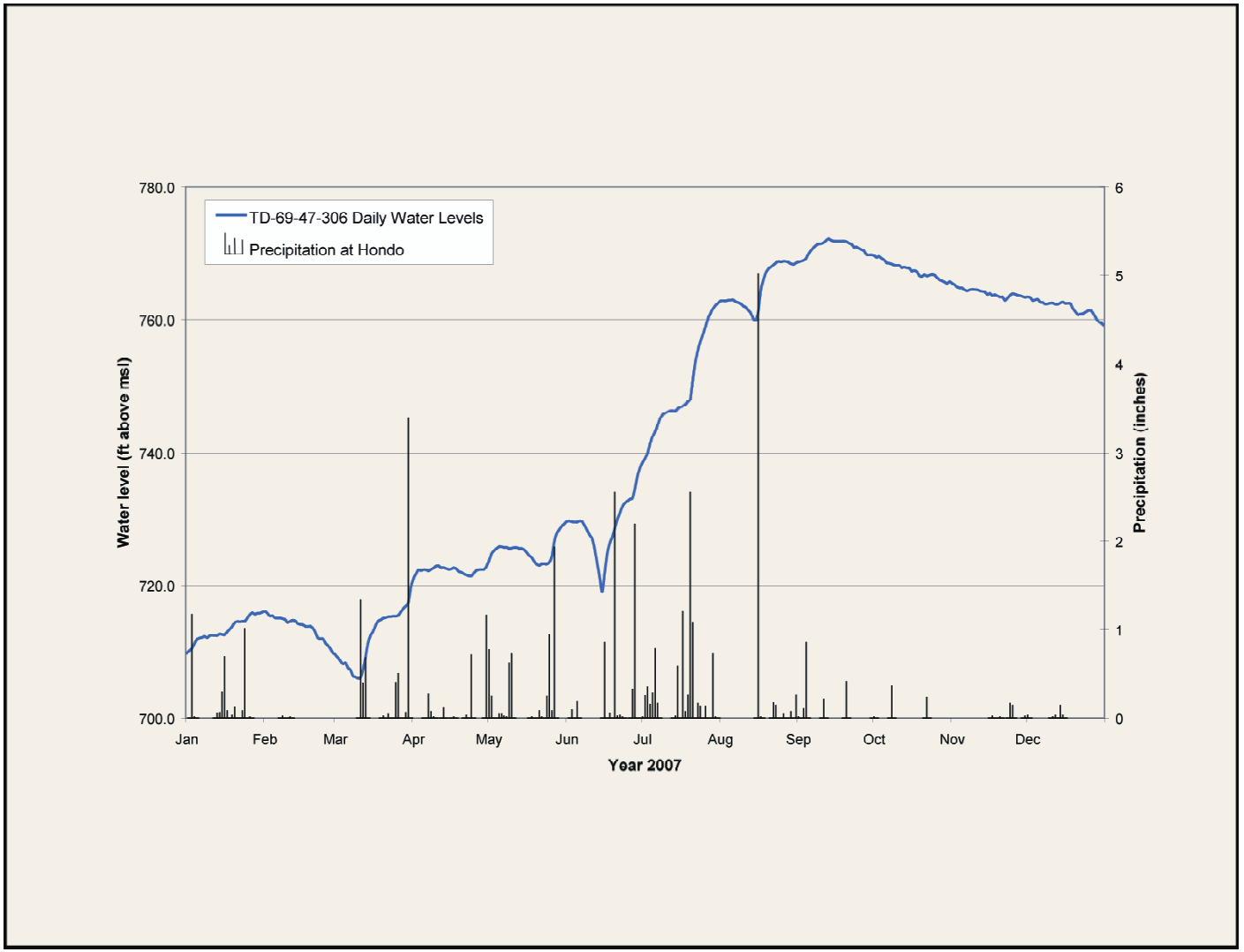


Figure B-3. City of Uvalde Index Well J-27 (YP-69-50-302)
Hydrograph of Groundwater Elevation vs. Precipitation at Uvalde

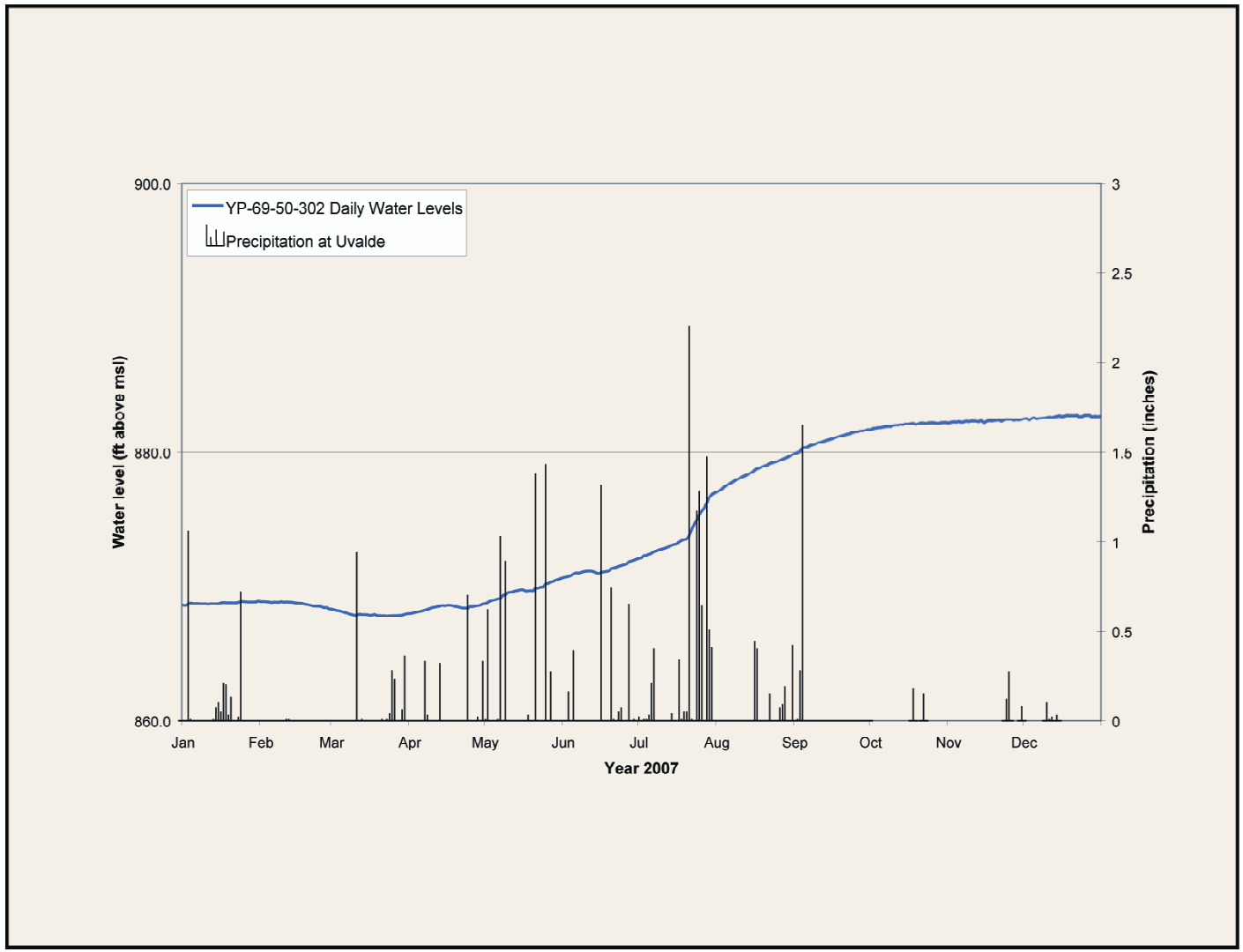
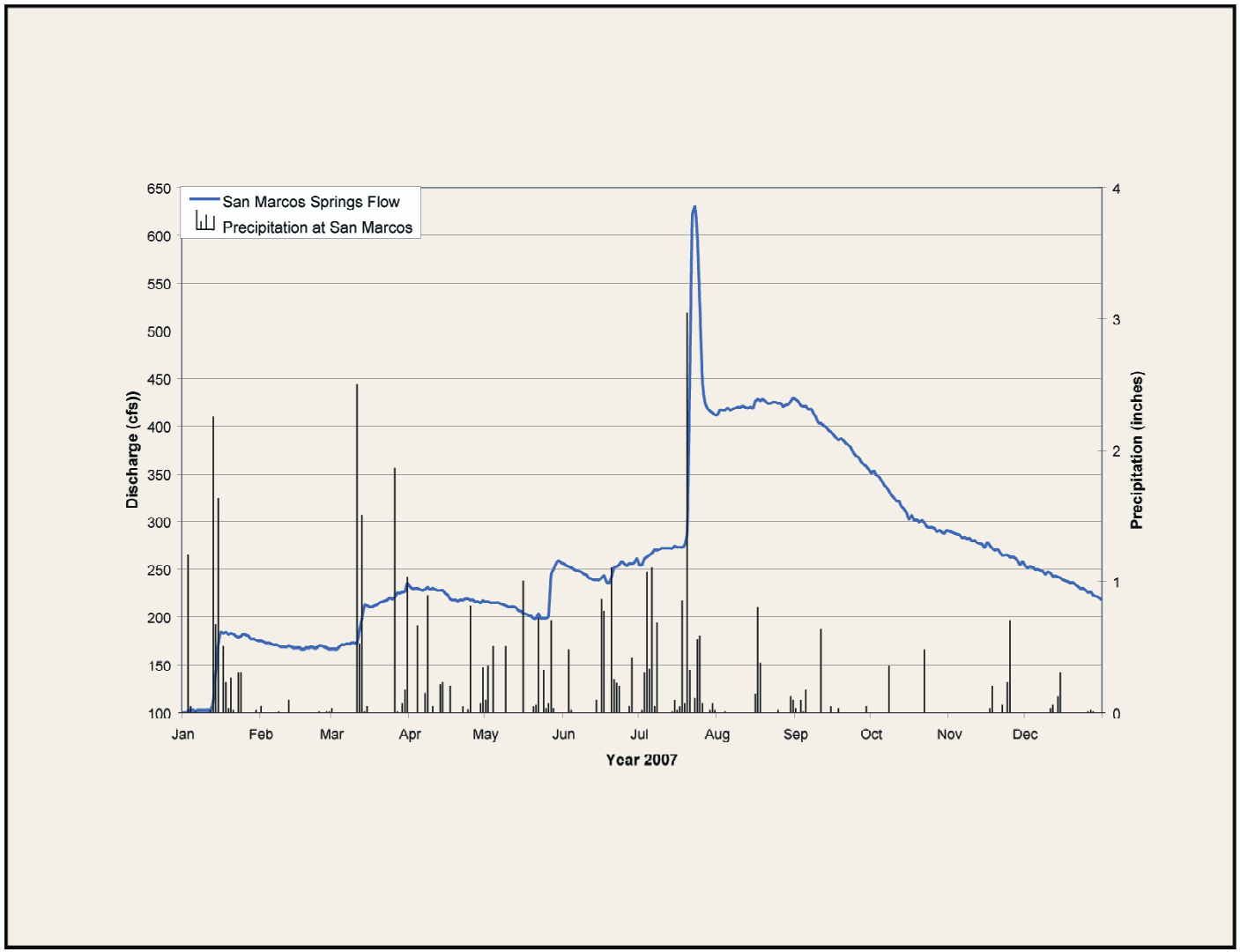


Figure B-4. Comal Springflow
Hydrograph of Springflow vs. Precipitation at San Antonio International Airport

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, 2007

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Turbidity (NTU)	Field Dissolved Oxygen (mg/L)	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)
AY-68-27-512	2/2/2007	240	17.3	NA	NA	NA
AY-68-27-517	1/24/2007	247	6.64	NA	2	3
AY-68-27-611	4/11/2007	266	0.41	NA	<2	<2
AY-68-28-113	5/17/2007	245	0.26	NA	<2	<2
AY-68-28-203	4/17/2007	287	0.59	NA	<2	<2
AY-68-28-205	4/17/2007	309	1.24	NA	<2	<2
AY-68-28-211	4/18/2007	253	1.19	NA	<2	<2
AY-68-28-314	4/16/2007	299	1.01	NA	<2	<2
AY-68-28-315	3/21/2007	294	2.44	NA	<2	<2
AY-68-28-406	12/3/2007	259	NA	NA	<2	<2
AY-68-28-513	4/17/2007	287	0.2	NA	<2	<2
AY-68-28-514	4/17/2007	281	0.33	NA	<2	<2
AY-68-28-518	4/10/2007	281	0.64	NA	2	<2
AY-68-28-519	4/23/2007	318	1.56	NA	<2	<2
AY-68-28-608 Annular[POA]	12/3/2007	NA	0	NA	2	<2
AY-68-28-608 Standpipe[POA]	12/3/2007	NA	0	NA	13	<2
AY-68-28-609	3/20/2007	265	1.86	NA	<2	5
AY-68-29-415[POA]	11/15/2007	NA	0.37	NA	<2	<2
AY-68-29-419[POA]	11/15/2007	NA	0.16	NA	<2	<2
AY-68-27-5FS	1/13/2007	232	0.41	5.13	NA	NA
AY-68-27-5FS	1/18/2007	239	0.01	4.8	NA	NA
AY-68-27-9NL	1/19/2007	190	33.3	5.31	NA	NA
AY-68-27-5PS[POA]	1/12/2007	230	0.07	5.13	NA	NA
AY-68-27-5PS[POA]	1/18/2007	227	0.09	4.29	NA	NA
AY-68-27-8SM	1/13/2007	384	2.92	3.43	NA	NA
AY-68-27-8SM	1/19/2007	369	5.35	3.14	NA	NA
AY-68-27-5SR	1/12/2007	240	0.14	4.8	NA	NA
AY-68-27-5SR	1/18/2007	243	0.09	4.43	NA	NA

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Turbidity (NTU)	Field Dissolved Oxygen (mg/L)	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)
AY-68-27-5VU[POA]	1/12/2007	208	1.51	NA	NA	NA
AY-68-27-8ZC	1/13/2007	238	1.1	8.46	NA	NA
AY-68-27-8ZC	1/18/2007	246	0.43	5.6	NA	NA
AY-68-27-5ZM	1/12/2007	249	0.39	6.13	NA	NA
AY-68-27-5ZM	1/19/2007	258	0.39	4.99	NA	NA
DX-68-23-203	6/25/2007	247	0.28	NA	<2	<2
DX-68-23-303	6/25/2007	256	0.12	NA	<2	<2
DX-68-23-304	3/7/2007	240	0.87	NA	<2	<2
DX-68-23-504[POA]	6/26/2007	248	0.17	NA	<2	<2
DX-68-23-617[S]	5/22/2007	228	0.22	NA	NA	NA
DX-68-23-618[S]	5/29/2007	199	0.51	NA	NA	NA
DX-68-30-221[POA]	6/25/2007	252	0.31	NA	<2	<2
DX-68-30-225	6/26/2007	274	0.12	NA	<2	<2
LR-58-57-912[POA]	11/19/2007	243	0.21	NA	<2	<2
LR-67-01-704	11/27/2007	283	0.03	NA	<2	<2
LR-67-01-805	11/13/2007	269	0.08	NA	<2	<2
LR-67-01-810	10/24/2007	145	0.09	NA	<2	<2
LR-67-01-812[S]	5/17/2007	387	0.12	NA	NA	NA
LR-67-01-813A[S]	5/21/2007	356	7.04	NA	NA	NA
LR-67-01-813B[S]	5/21/2007	291	59.1	NA	NA	NA
LR-67-01-814A[S]	5/16/2007	386	0.45	NA	NA	NA
LR-67-01-814B[S]	5/15/2007	383	0.4	NA	NA	NA
LR-67-01-816	11/13/2007	264	0.1	NA	NA	NA
LR-67-01-8AR[POA]	10/24/2007	262	0.01	NA	2	2
LR-67-01-309[POA]	11/19/2007	238	0.23	NA	<2	<2
LR-67-01-7TS	11/19/2007	278	0.18	NA	<2	<2
LR-67-09-101 1	12/4/2007	NA	0	NA	2	2
LR-67-09-101 2	12/4/2007	NA	0	NA	<2	4

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Turbidity (NTU)	Field Dissolved Oxygen (mg/L)	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)
LR-67-09-106[POA]	12/17/2007	266	0.12	NA	NA	NA
LR-67-09-105[POA]	11/29/2007	266	0.15	NA	<2	<2
LR-67-09-1AA	11/13/2007	264	0.06	NA	<2	<2
LR-67-09-1HB	11/29/2007	271	0.03	NA	<2	<2
LR-67-09-1SM	11/13/2007	267	0.08	NA	<2	<2
LR-68-08-902[POA]	11/27/2007	269	0.11	NA	NA	NA
LR-68-16-603	11/13/2007	268	0.25	NA	<2	<2
LR-68-08-7GR	11/27/2007	283	1.01	NA	<2	<2
RP-70-37-7KC[POA]	10/16/2007	213	0.25	NA	NA	NA
RP-70-37-706[POA]	10/16/2007	100	0	NA	NA	NA
RP-70-45-505[POA]	10/23/2007	189	0.02	NA	NA	NA
RP-70-45-601	10/23/2007	202	0.03	NA	NA	NA
TD-68-33-502	6/21/2007	194	0.56	NA	<2	2
TD-68-41-102	6/19/2007	209	0.2	NA	<2	78
TD-68-41-303	6/18/2007	220	0.13	NA	<2	<2
TD-68-41-901	6/19/2007	207	0.33	NA	<2	<2
TD-68-42-506	6/21/2007	206	0.65	NA	<2	410
TD-68-42-806[POA]	6/28/2007	195	0.18	NA	<2	<2
TD-68-49-301	6/28/2007	197	0.33	NA	<2	<2
TD-68-49-501	6/28/2007	202	0.04	NA	<2	<2
TD-69-47-303[POA]	8/8/2007	207	0.15	NA	<2	<2
TD-69-55-604	6/21/2007	192	0.14	NA	<2	520
TD-69-63-103[POA]	5/24/2007	193	0.2	NA	NA	NA
YP-69-45-405	6/18/2007	222	0.27	NA	<2	13
YP-69-43-606	6/19/2007	216	0.09	NA	52	8
YP-69-50-207[POA]	6/18/2007	203	0.11	NA	<2	<2
YP-69-51-114[POA]	6/18/2007	278	0.44	NA	<2	<2

NA = Not Analyzed
NR = Not Recorded
POA = Pump in continuous operation prior to sampling
S = Freshwater / Saline Water Transect Monitoring Well

Table C-2. Analytical Data for Major Ions from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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-68-27-512	02/02/07	116.00	19.30	15.40	2.250	32.70	56.60	0.064	11.00	370
Bexar	AY-68-27-517	01/24/07	82.50	8.29	17.10	1.020	15.00	18.50	<0.500	13.00	334
Bexar	AY-68-27-611	04/11/07	107.00	7.63	10.20	1.000	11.70	12.20	<0.500	15.00	319
Bexar	AY-68-28-113	05/14/07	123.00	16.40	12.60	1.660	11.10	18.00	0.005	17.00	336
Bexar	AY-68-28-203	04/17/07	138.00	22.60	8.46	0.820	58.10	12.80	<0.500	16.00	522
Bexar	AY-68-28-205	04/17/07	148.00	13.60	15.10	1.130	33.30	8.51	0.115	18.00	400
Bexar	AY-68-28-211	04/18/07	128.00	16.50	13.60	1.560	23.00	48.10	<0.500	10.00	350
Bexar	AY-68-28-314	04/16/07	149.00	12.80	6.70	0.880	25.50	7.52	<0.500	17.00	380
Bexar	AY-68-28-315	03/21/07	155.00	3.73	4.74	1.940	9.86	7.61	<0.500	23.00	312
Bexar	AY-68-28-406	12/03/07	100.00	14.30	15.50	1.320	16.50	16.50	<0.500	9.10	390
Bexar	AY-68-28-513	04/17/07	177.00	14.70	12.40	1.420	21.50	8.95	0.169	23.00	336
Bexar	AY-68-28-514	04/17/07	126.00	11.80	9.94	1.060	21.90	11.20	0.109	17.00	386
Bexar	AY-68-28-518	04/10/07	162.00	14.80	17.90	1.410	20.60	15.30	<0.500	21.00	343
Bexar	AY-68-28-519	04/23/07	192.00	5.35	3.57	1.900	11.60	<0.50	<0.500	19.00	342
Bexar	AY-68-28-608 Annular	12/03/07	130.00	13.60	6.92	1.340	14.00	11.50	<0.500	8.90	426
Bexar	AY-68-28-608 Standpipe	12/03/07	122.00	11.40	18.60	1.630	14.60	24.40	<0.500	8.30	380
Bexar	AY-68-28-609	03/20/07	147.00	6.01	5.82	1.850	17.30	7.89	<0.500	21.00	340
Bexar	AY-68-29-415	11/15/07	165.00	20.40	20.30	1.770	17.90	16.50	<0.500	8.60	510
Bexar	AY-68-29-419	11/15/07	166.00	19.60	16.20	1.490	21.20	22.70	<0.500	8.70	254
Bexar	AY-68-27-5FS	01/13/07	36.00	7.10	17.60	0.910	10.20	10.90	<0.500	12.00	322
Bexar	AY-68-27-5FS	01/18/07	98.70	10.80	24.80	1.550	13.00	14.30	<0.500	17.00	250
Bexar	AY-68-27-9NL	01/19/07	90.00	15.00	11.70	3.710	18.90	38.80	<0.500	20.00	215
Bexar	AY-68-27-5PS	01/12/07	40.50	8.29	13.80	1.050	13.10	17.50	<0.500	12.00	332

Table C-2 (cont.) Analytical Data for Major Ions from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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-68-27-5PS	01/18/07	95.10	10.40	18.90	1.430	13.80	22.20	<0.500	14.00	150
Bexar	AY-68-27-8SM	01/13/07	72.50	14.70	15.60	2.010	16.30	29.20	<0.500	17.00	472
Bexar	AY-68-27-8SM	01/19/07	169.00	17.70	17.60	2.640	17.90	38.40	<0.500	20.00	415
Bexar	AY-68-27-5SR	01/12/07	41.80	8.78	14.00	1.020	14.90	21.30	<0.500	11.00	336
Bexar	AY-68-27-5SR	01/18/07	99.30	11.80	18.40	1.360	16.30	22.60	<0.500	14.00	250
Bexar	AY-68-27-5VU	01/12/07	41.40	10.90	14.80	1.190	15.10	34.40	<0.500	11.00	344
Bexar	AY-68-27-8ZC	01/13/07	42.90	8.59	13.90	1.140	13.30	19.20	<0.500	12.00	342
Bexar	AY-68-27-8ZC	01/18/07	103.00	10.60	17.30	1.560	14.40	24.10	<0.500	15.00	275
Bexar	AY-68-27-5ZM	01/12/07	46.40	10.20	15.40	1.130	16.60	27.60	<0.500	12.00	384
Bexar	AY-68-27-5ZM	01/19/07	111.00	13.80	19.00	1.610	20.20	46.30	<0.500	14.00	280
Comal	DX-68-23-203	06/25/07	*88.20	*6.50	*10.70	*0.600	*11.00	*14.00	*0.200	*12.00	*306
Comal	DX-68-23-303	06/25/07	*79.80	*9.80	*17.40	*1.400	*16.00	*40.00	*0.300	*12.00	*330
Comal	DX-68-23-304	03/07/07	110.00	12.80	19.50	1.520	16.80	23.50	0.152	19.00	322
Comal	DX-68-23-504	06/26/07	*81.50	*9.20	*15.00	*1.300	*15.00	*27.00	*0.200	*11.60	*321
Comal	DX-68-23-617	05/22/07	85.50	19.80	36.40	2.630	14.70	45.10	0.821	16.00	368
Comal	DX-68-23-618	05/29/07	62.00	36.20	41.50	2.860	2.43	62.40	45.100	17.00	384
Comal	DX-68-30-221	06/25/07	*97.10	*8.80	*9.00	*1.700	*11.00	*19.00	*0.200	*12.50	*349
Comal	DX-68-30-225	06/26/07	*96.40	*8.80	*9.80	*1.300	*14.00	*16.00	*0.200	*12.30	*334
Hays	LR-58-57-912	11/19/07	110.00	11.10	54.00	1.370	7.15	141.00	2.590	10.00	412
Hays	LR-67-01-704	11/27/07	152.00	17.90	27.60	1.150	14.20	17.90	<0.500	11.00	452
Hays	LR-67-01-805	11/13/07	161.00	20.50	29.10	1.750	16.90	23.60	<0.500	11.00	484
Hays	LR-67-01-810	10/24/07	125.00	10.40	17.30	1.310	15.70	24.10	<0.500	10.00	404
Hays	LR-67-01-812	05/17/07	1050.00	2270.00	507.00	93.700	3940.00	2540.00	<0.500	17.00	14300
Hays	LR-67-01-813A	05/21/07	1090.00	2360.00	529.00	96.900	3880.00	2470.00	<0.500	17.00	13600

Table C-2. (cont.) Analytical Data for Major Ions from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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)
Hays	LR-67-01-813B	05/21/07	1130.00	2430.00	548.00	101.00	2530.00	2260.00	<0.500	18.00	12800
Hays	LR-67-01-814A	05/16/07	1070.00	2290.00	513.00	99.80	3730.00	2390.00	<0.500	17.00	12700
Hays	LR-67-01-814B	05/15/07	1080.00	2360.00	528.00	96.80	3880.00	2780.00	<0.500	19.00	10900
Hays	LR-67-01-816	11/13/07	156.00	25.30	28.10	2.34	19.30	26.60	<0.500	11.00	372
Hays	LR-67-01-8AR	10/24/07	126.00	13.60	17.50	1.42	20.90	30.70	<0.500	10.00	428
Hays	LR-67-01-7TS	11/19/07	159.00	12.80	21.50	1.07	9.00	9.27	<0.500	9.70	382
Hays	LR-67-09-101 1	12/04/07	133.00	23.50	23.60	3.08	28.50	38.40	<0.500	9.30	418
Hays	LR-67-09-101 2	12/04/07	120.00	21.20	22.40	3.14	28.60	37.80	<0.500	7.80	392
Hays	LR-67-09-105	12/17/07	190.00	24.20	33.10	2.47	17.70	24.80	<0.500	8.10	282
Hays	LR-67-09-106	11/29/07	182.00	29.40	32.50	2.33	21.50	31.50	<0.500	10.00	432
Hays	LR-67-09-1AA	11/13/07	141.00	14.00	24.10	1.35	10.80	22.80	<0.500	11.00	370
Hays	LR-67-09-1HB	11/29/07	129.00	14.50	25.60	1.54	9.72	20.20	<0.500	9.50	362
Hays	LR-67-09-1SM	11/13/07	155.00	29.60	27.10	2.35	27.20	37.50	<0.500	11.00	446
Hays	LR-68-08-902	11/27/07	152.00	19.50	21.20	1.23	25.20	7.97	<0.500	11.00	462
Hays	LR-68-16-603	11/13/07	139.00	21.90	23.80	1.97	20.20	28.20	<0.500	11.00	422
Hays	LR-68-08-7GR	11/27/07	152.00	14.10	43.60	1.58	9.25	157.00	<0.500	11.00	388
Kinney	RP-70-37-7KC	10/16/07	114.00	8.57	11.10	1.66	9.03	11.30	<0.500	9.10	360
Kinney	RP-70-37-706	10/16/07	97.80	6.37	8.15	0.87	8.51	12.10	<0.500	9.50	330
Kinney	RP-70-45-505	10/23/07	112.00	6.02	9.20	0.81	8.38	27.50	<0.500	7.80	356
Kinney	RP-70-45-601	10/23/07	97.70	6.12	7.59	0.86	9.06	13.30	<0.500	8.20	366
Medina	TD-68-33-502	06/21/07	*69.30	*7.40	*17.10	*1.50	*12.00	*44.00	*0.200	*11.60	*284
Medina	TD-68-41-102	06/19/07	*69.10	*9.60	*16.20	*1.30	*17.00	*19.00	*0.200	*12.10	*277
Medina	TD-68-41-303	06/18/07	*69.50	*10.30	*15.80	*1.30	*20.00	*19.00	*0.200	*11.90	*282
Medina	TD-68-41-901	06/19/07	*66.10	*10.40	*17.20	*1.30	*23.00	*17.00	*0.300	*11.90	*278

Table C-2. (cont.) Analytical Data for Major Ions from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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)
Medina	TD-68-42-506	06/21/07	*68.10	*10.60	*16.60	*1.20	*21.00	*17.00	*0.30	*11.90	*278
Medina	TD-68-42-806	06/28/07	*62.20	*8.30	*15.60	*1.00	*21.00	*21.00	*1.70	*12.10	*269
Medina	TD-68-49-301	06/28/07	*54.70	*7.80	*18.40	*0.90	*18.00	*25.00	*0.70	*12.10	*267
Medina	TD-68-49-501	06/28/07	*64.40	*10.30	*15.00	*1.00	*24.00	*22.00	*0.30	*11.30	*282
Medina	TD-69-47-303	08/08/07	*72.30	*8.20	*17.90	*1.00	*15.00	*22.00	*0.20	*11.60	*285
Medina	TD-69-55-604	06/21/07	*73.80	*11.70	*15.40	*1.20	*24.00	*19.00	*0.20	*12.20	*294
Medina	TD-69-63-103	05/24/07	72.60	17.20	28.40	1.71	15.30	78.30	1.21	25.00	344
Medina	YP-69-45-405	06/18/07	*72.20	*7.80	*14.50	*1.30	*13.00	*21.00	*0.30	*12.20	*277
Uvalde	YP-69-43-606	06/19/07	*76.40	*11.00	*11.90	*1.40	*17.00	*18.00	*0.20	*12.30	*288
Uvalde	YP-69-50-207	06/18/07	*82.40	*14.20	*10.30	*1.20	*25.00	*16.00	*0.20	*12.40	*302
Uvalde	YP-69-51-114	06/18/07	*124.00	*39.00	*14.30	*1.50	*82.00	*48.00	*0.50	*15.70	*520

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

Table C-3. Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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-68-27-512	02/02/07	2.210	<0.84	<0.73	30.8	<0.84	NA	0.031	<0.65	<1.17
Bexar	AY-68-27-517	01/24/07	3.230	<0.84	<0.73	36.8	<0.84	NA	<0.002	<0.65	<1.17
Bexar	AY-68-27-611	04/11/07	3.200	<0.84	<0.73	43.2	<0.84	NA	0.026	<0.65	1.19
Bexar	AY-68-28-113	05/14/07	10.200	<0.84	<0.73	28.0	<0.84	NA	<0.002	3.35	1.50
Bexar	AY-68-28-203	04/17/07	0.440	<0.84	<0.73	51.9	<0.84	NA	0.105	<0.65	<1.17
Bexar	AY-68-28-205	04/17/07	0.610	<0.84	<0.73	41.6	<0.84	NA	0.081	<0.65	<1.17
Bexar	AY-68-28-211	04/18/07	<0.220	<0.84	<0.73	42.5	<0.84	NA	<0.002	<0.65	<1.17
Bexar	AY-68-28-314	04/16/07	1.890	<0.84	<0.73	60.1	<0.84	NA	<0.002	<0.65	<1.17
Bexar	AY-68-28-315	03/21/07	1.600	<0.84	<0.73	33.1	<0.84	NA	0.024	<0.65	<1.17
Bexar	AY-68-28-406	12/03/07	0.991	1.14	<0.73	37.4	<0.84	NA	0.115	<0.65	<1.17
Bexar	AY-68-28-513	04/17/07	<0.220	<0.84	<0.73	37.9	<0.84	NA	0.047	<0.65	<1.17
Bexar	AY-68-28-514	04/17/07	0.930	<0.84	<0.73	37.2	<0.84	NA	0.092	<0.65	<1.17
Bexar	AY-68-28-518	04/10/07	<0.220	<0.84	<0.73	37.3	<0.84	NA	0.028	<0.65	<1.17
Bexar	AY-68-28-519	04/23/07	<0.220	<0.84	<0.73	37.3	<0.84	NA	<0.002	<0.65	<1.17
Bexar	AY-68-28-608 Annular	12/03/07	1.140	<0.84	<0.73	55.0	<0.84	NA	0.091	<0.65	<1.17
Bexar	AY-68-28-608 Standpipe	12/03/07	1.540	<0.84	<0.73	42.6	<0.84	NA	0.097	<0.65	<1.17
Bexar	AY-68-28-609	03/20/07	<0.220	<0.84	<0.73	36.0	<0.84	NA	<0.002	<0.65	<1.17
Bexar	AY-68-29-415	11/15/07	1.940	<0.84	<0.73	46.5	<0.84	NA	0.104	<0.65	<1.17
Bexar	AY-68-29-419	11/15/07	1.250	<0.84	<0.73	48.3	<0.84	NA	0.110	<0.65	<1.17
Bexar	AY-68-27-5FS	01/13/07	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
Bexar	AY-68-27-5FS	01/18/07	NA	NA	NA	NA	NA	NA	0.023	NA	NA
Bexar	AY-68-27-9NL	01/19/07	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
Bexar	AY-68-27-5PS	01/12/07	NA	NA	NA	NA	NA	NA	<0.002	NA	NA

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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-68-27-5PS	01/18/07	NA	NA	NA	NA	NA	NA	0.008	NA	NA
Bexar	AY-68-27-8SM	01/13/07	NA	NA	NA	NA	NA	NA	0.023	NA	NA
Bexar	AY-68-27-8SM	01/19/07	NA	NA	NA	NA	NA	NA	0.018	NA	NA
Bexar	AY-68-27-5SR	01/12/07	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
Bexar	AY-68-27-5SR	01/18/07	NA	NA	NA	NA	NA	NA	0.019	NA	NA
Bexar	AY-68-27-5VU	01/12/07	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
Bexar	AY-68-27-8ZC	01/13/07	NA	NA	NA	NA	NA	NA	0.013	NA	NA
Bexar	AY-68-27-8ZC	01/18/07	NA	NA	NA	NA	NA	NA	0.008	NA	NA
Bexar	AY-68-27-5ZM	01/12/07	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
Bexar	AY-68-27-5ZM	01/19/07	NA	NA	NA	NA	NA	NA	0.011	NA	NA
Comal	DX-68-23-203	06/25/07	*<1.00	*<1.000	*<1.00	*42.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Comal	DX-68-23-303	06/25/07	*4.00	*<1.000	*<1.00	*58.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Comal	DX-68-23-304	03/07/07	<0.22	<0.840	<0.73	53.00	<0.84	NA	0.038	<0.65	<1.17
Comal	DX-68-23-504	06/26/07	*<1.00	*<1.000	*<1.00	*48.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Comal	DX-68-23-617	05/22/07	3.46	<0.840	0.88	141.00	<0.84	NA	0.026	<0.65	<1.17
Comal	DX-68-23-618	05/29/07	2.83	<0.840	<0.73	37.70	<0.84	NA	0.080	1.07	<1.17
Comal	DX-68-30-221	06/25/07	*<1.00	*<1.000	*<1.00	*48.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Comal	DX-68-30-225	06/26/07	*<1.00	*<1.000	*<1.00	*42.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Hays	LR-58-57-912	11/19/07	3.89	<0.840	<0.73	76.60	<0.84	NA	0.031	<0.65	<1.17
Hays	LR-67-01-704	11/27/07	<0.22	<0.840	<0.73	36.30	<0.84	NA	0.071	<0.65	<1.17
Hays	LR-67-01-805	11/13/07	<0.22	<0.840	<0.73	38.70	<0.84	NA	0.056	<0.65	<1.17
Hays	LR-67-01-810	10/24/07	1.33	<0.840	<0.73	34.80	<0.84	NA	0.064	<0.65	<1.17
Hays	LR-67-01-812	05/17/07	4.82	<0.840	<0.73	1.67	<0.84	NA	19.400	<0.65	1.19
Hays	LR-67-01-813A	05/21/07	5.27	<0.840	<0.73	<0.61	<0.84	NA	19.100	<0.65	1.30

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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-67-01-813B	05/21/07	5.600	<0.840	<0.730	1.68	<0.84	NA	20.300	<0.65	<1.17
Hays	LR-67-01-814A	05/16/07	9.860	1.040	0.760	1.24	<0.84	NA	19.600	<0.65	<1.17
Hays	LR-67-01-814B	05/15/07	3.440	<0.840	<0.730	1.05	<0.84	NA	19.600	<0.65	<1.17
Hays	LR-67-01-816	11/13/07	<0.220	<0.840	<0.730	38.90	<0.84	NA	0.084	<0.65	<1.17
Hays	LR-67-01-8AR	10/24/07	1.330	<0.840	<0.730	36.40	<0.84	NA	0.087	<0.65	<1.17
Hays	LR-67-01-7TS	11/19/07	2.330	<0.840	<0.730	36.20	<0.84	NA	0.057	<0.65	<1.17
Hays	LR-67-09-101 1	12/04/07	0.858	<0.840	<0.730	47.20	<0.84	NA	0.154	<0.65	<1.17
Hays	LR-67-09-101 2	12/04/07	0.593	<0.840	<0.730	55.00	<0.84	NA	0.156	<0.65	<1.17
Hays	LR-67-09-105	12/17/07	1.260	<0.840	<0.730	45.40	<0.84	NA	0.099	1.38	<1.17
Hays	LR-67-09-106	11/29/07	<0.220	<0.840	<0.730	43.40	<0.84	NA	0.131	<0.65	<1.17
Hays	LR-67-09-1AA	11/13/07	<0.220	<0.840	<0.730	37.50	<0.84	NA	0.142	<0.65	<1.17
Hays	LR-67-09-1HB	11/29/07	1.010	<0.840	<0.730	38.30	<0.84	NA	0.067	<0.65	<1.17
Hays	LR-67-09-1SM	11/13/07	<0.220	<0.840	<0.730	44.60	<0.84	NA	0.142	<0.65	<1.17
Hays	LR-68-08-902	11/27/07	1.770	0.854	<0.730	34.20	<0.84	NA	0.042	<0.65	<1.17
Hays	LR-68-16-603	11/13/07	<0.220	<0.840	<0.730	44.50	<0.84	NA	0.109	<0.65	<1.17
Hays	LR-68-08-7GR	11/27/07	0.227	<0.840	<0.730	33.60	<0.84	NA	0.073	<0.65	<1.17
Kinney	RP-70-37-7KC	10/16/07	3.720	<0.840	<0.730	331.00	<0.84	NA	0.055	<0.65	<1.17
Kinney	RP-70-37-706	10/16/07	1.340	<0.840	0.788	370.00	<0.84	NA	0.051	<0.65	<1.17
Kinney	RP-70-45-505	10/23/07	1.100	<0.840	<0.730	45.80	<0.84	NA	0.018	<0.65	<1.17
Kinney	RP-70-45-601	10/23/07	2.350	<0.840	<0.730	52.20	<0.84	NA	0.040	<0.65	<1.17
Medina	TD-68-33-502	06/21/07	*<1.000	*<1.000	*<1.000	*34.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-68-41-102	06/19/07	*1.000	*<1.000	*<1.000	*51.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-68-41-303	06/18/07	*2.000	*<1.000	*<1.000	*50.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-68-41-901	06/19/07	*1.000	*<1.000	*<1.000	*89.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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)
Medina	TD-68-42-506	06/21/07	*1.00	*<1.00	*<1.000	*73.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-68-42-806	06/28/07	*<1.00	*<1.00	*<1.000	*100.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-68-49-301	06/28/07	*<1.00	*<1.00	*<1.000	*182.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-68-49-501	06/28/07	*<1.00	*<1.00	*<1.000	*130.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-69-47-303	08/08/07	*1.00	*<1.00	*<1.000	*47.00	*<1.00	*<100.00	*1.310	*<1.00	*<1.00
Medina	TD-69-55-604	06/21/07	*1.00	*<1.00	*<1.000	*59.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Medina	TD-69-63-103	05/24/07	1.08	<0.84	0.870	120.00	<0.84	NA	0.034	<0.65	<1.17
Medina	YP-69-45-405	06/18/07	*2.00	*<1.00	*<1.000	*38.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Uvalde	YP-69-43-606	06/19/07	*<1.00	*<1.00	*<1.000	*56.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Uvalde	YP-69-50-207	06/18/07	*2.00	*<1.00	*<1.000	*51.00	*<1.00	*<100.00	*<0.500	*<1.00	*<1.00
Uvalde	YP-69-51-114	06/18/07	*<1.00	*<1.00	*<1.000	*106.00	*<1.00	*145.00	*1.260	*3.00	*<1.00

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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)
Bexar	AY-68-27-512	02/02/07	NA	6.10	2.85	3.76	NA	0.650	<1.14	NA	1.780
Bexar	AY-68-27-517	01/24/07	NA	1.17	<0.74	<0.84	NA	<0.140	<1.14	NA	0.940
Bexar	AY-68-27-611	04/11/07	NA	<0.90	17.30	<0.84	NA	0.460	<1.14	NA	2.000
Bexar	AY-68-28-113	05/14/07	NA	<0.90	15.40	1.84	NA	0.390	<1.14	NA	2.510
Bexar	AY-68-28-203	04/17/07	NA	3.63	4.42	<0.84	NA	0.770	<1.14	NA	1.220
Bexar	AY-68-28-205	04/17/07	NA	3.11	13.00	1.32	NA	10.000	<1.14	NA	1.190
Bexar	AY-68-28-211	04/18/07	NA	<0.90	<0.74	<0.84	NA	<0.140	<1.14	NA	2.010
Bexar	AY-68-28-314	04/16/07	NA	<0.90	3.42	<0.84	NA	<0.140	<1.14	NA	1.730
Bexar	AY-68-28-315	03/21/07	NA	<0.90	5.24	<0.84	NA	0.140	<1.14	NA	1.660
Bexar	AY-68-28-406	12/03/07	NA	<0.90	4.40	<0.84	NA	<0.140	<1.14	NA	0.839
Bexar	AY-68-28-513	04/17/07	NA	<0.90	0.96	<0.84	NA	<0.140	<1.14	NA	0.910
Bexar	AY-68-28-514	04/17/07	NA	1.56	1.16	<0.84	NA	0.320	<1.14	NA	0.930
Bexar	AY-68-28-518	04/10/07	NA	<0.90	2.42	<0.84	NA	<0.140	<1.14	NA	1.130
Bexar	AY-68-28-519	04/23/07	NA	<0.90	10.00	<0.84	NA	<0.140	<1.14	NA	2.920
Bexar	AY-68-28-608 Annular	12/03/07	NA	<0.90	9.32	<0.84	NA	0.167	<1.14	NA	0.995
Bexar	AY-68-28-608 Standpipe	12/03/07	NA	<0.90	18.30	<0.84	NA	0.667	<1.14	NA	1.120
Bexar	AY-68-28-609	03/20/07	NA	<0.90	4.60	<0.84	NA	0.260	<1.14	NA	1.680
Bexar	AY-68-29-415	11/15/07	NA	1.99	7.63	<0.84	NA	0.173	<1.14	NA	0.629
Bexar	AY-68-29-419	11/15/07	NA	3.82	4.65	<0.84	NA	<0.140	<1.14	NA	<0.620
Bexar	AY-68-27-5FS	01/13/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-5FS	01/18/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-9NL	01/19/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-5PS	01/12/07	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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)
Bexar	AY-68-27-5PS	01/18/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-8SM	01/13/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-8SM	01/19/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-5SR	01/12/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-5SR	01/18/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-5VU	01/12/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-8ZC	01/13/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-8ZC	01/18/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-5ZM	01/12/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bexar	AY-68-27-5ZM	01/19/07	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comal	DX-68-23-203	06/25/07	*<1.00	*6.00	*<30.000	*2.00	*2.00	*<1.000	NA	*<1.00	NA
Comal	DX-68-23-303	06/25/07	*<1.00	*2.00	*<30.000	*<1.00	*6.00	*<1.000	NA	*<1.00	NA
Comal	DX-68-23-304	03/07/07	NA	<0.90	4.000	<0.84	NA	2.560	<1.14	NA	1.140
Comal	DX-68-23-504	06/26/07	*<1.00	*3.00	*<30.000	*<1.00	*6.00	*<1.000	NA	*<1.00	NA
Comal	DX-68-23-617	05/22/07	NA	<0.90	48.800	<0.84	NA	0.910	<1.14	NA	2.920
Comal	DX-68-23-618	05/29/07	NA	<0.90	43.100	1.27	NA	1.110	<1.14	NA	<0.620
Comal	DX-68-30-221	06/25/07	*<1.00	*4.00	*<30.000	*<1.00	*4.00	*<1.000	NA	*<1.00	NA
Comal	DX-68-30-225	06/26/07	*<1.00	*2.00	*<30.000	*<1.00	*3.00	*<1.000	NA	*<1.00	NA
Hays	LR-58-57-912	11/19/07	NA	<0.90	64.300	<0.84	NA	0.989	<1.14	NA	<0.620
Hays	LR-67-01-704	11/27/07	NA	3.21	0.987	<0.84	NA	<0.140	<1.14	NA	0.681
Hays	LR-67-01-805	11/13/07	NA	2.25	2.160	<0.84	NA	<0.140	<1.14	NA	<0.620
Hays	LR-67-01-810	10/24/07	NA	1.62	<0.740	<0.84	NA	<0.140	<1.14	NA	0.728
Hays	LR-67-01-812	05/17/07	NA	<0.90	3.270	<0.84	NA	3.320	<1.14	NA	11.800
Hays	LR-67-01-813A	05/21/07	NA	<0.90	5.180	<0.84	NA	2.180	<1.14	NA	12.400

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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-67-01-813B	05/21/07	NA	<0.90	6.50	<0.84	NA	5.880	<1.14	NA	15.100
Hays	LR-67-01-814A	05/16/07	NA	<0.90	6.86	<0.84	NA	1.710	<1.14	NA	16.300
Hays	LR-67-01-814B	05/15/07	NA	<0.90	5.93	<0.84	NA	2.340	<1.14	NA	17.400
Hays	LR-67-01-816	11/13/07	NA	<0.90	1.45	<0.84	NA	<0.140	<1.14	NA	<0.620
Hays	LR-67-01-8AR	10/24/07	NA	<0.90	1.70	<0.84	NA	0.218	<1.14	NA	0.718
Hays	LR-67-01-7TS	11/19/07	NA	1.01	10.40	4.57	NA	0.214	<1.14	NA	<0.620
Hays	LR-67-09-101 1	12/04/07	NA	<0.90	10.80	<0.84	NA	4.160	<1.14	NA	1.510
Hays	LR-67-09-101 2	12/04/07	NA	<0.90	6.19	<0.84	NA	0.246	<1.14	NA	1.660
Hays	LR-67-09-105	12/17/07	NA	1.24	1.86	1.12	NA	<0.140	<1.14	NA	<0.620
Hays	LR-67-09-106	11/29/07	NA	1.07	8.67	<0.84	NA	<0.140	<1.14	NA	0.752
Hays	LR-67-09-1AA	11/13/07	NA	1.90	<0.74	<0.84	NA	<0.140	<1.14	NA	<0.620
Hays	LR-67-09-1HB	11/29/07	NA	<0.90	1.56	<0.84	NA	<0.140	<1.14	NA	<0.620
Hays	LR-67-09-1SM	11/13/07	NA	1.65	9.66	<0.84	NA	<0.140	<1.14	NA	<0.620
Hays	LR-68-08-902	11/27/07	NA	1.01	3.52	<0.84	NA	0.375	<1.14	NA	2.640
Hays	LR-68-16-603	11/13/07	NA	2.73	<0.74	<0.84	NA	<0.140	<1.14	NA	<0.620
Hays	LR-68-08-7GR	11/27/07	NA	<0.90	8.14	<0.84	NA	0.989	<1.14	NA	1.190
Kinney	RP-70-37-7KC	10/16/07	NA	<0.90	244.00	<0.84	NA	3.700	<1.14	NA	0.794
Kinney	RP-70-37-706	10/16/07	NA	<0.90	3.74	<0.84	NA	0.710	<1.14	NA	1.010
Kinney	RP-70-45-505	10/23/07	NA	<0.90	4.49	<0.84	NA	<0.140	<1.14	NA	1.550
Kinney	RP-70-45-601	10/23/07	NA	<0.90	3.19	<0.84	NA	0.144	<1.14	NA	<0.620
Medina	TD-68-33-502	06/21/07	*<1.00	*3.00	*<30.00	*1.00	*5.00	*<1.000	NA	*<1.00	NA
Medina	TD-68-41-102	06/19/07	*<1.00	*2.00	*<30.00	*<1.00	*2.00	*<1.000	NA	*<1.00	NA
Medina	TD-68-41-303	06/18/07	*<1.00	*3.00	*<30.00	*<1.00	*3.00	*<1.000	NA	*<1.00	NA
Medina	TD-68-41-901	06/19/07	*<1.00	*7.00	*59.00	*5.00	*4.00	*<1.000	NA	*<1.00	NA

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	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)
Medina	TD-68-42-506	06/21/07	*<1.00	*2.00	*<30.00	*<1.00	*4.00	*<1.00	NA	*<1.00	NA
Medina	TD-68-42-806	06/28/07	*<1.00	*5.00	*<30.00	*<1.00	*4.00	*<1.00	NA	*38.00	NA
Medina	TD-68-49-301	06/28/07	*<1.00	*3.00	*<30.00	*<1.00	*4.00	*<1.00	NA	*9.00	NA
Medina	TD-68-49-501	06/28/07	*<1.00	*4.00	*<30.00	*<1.00	*4.00	*<1.00	NA	*<1.00	NA
Medina	TD-69-47-303	08/08/07	*<1.00	*2.00	*<30.00	*<1.00	*3.00	*<1.00	NA	*<1.00	NA
Medina	TD-69-55-604	06/21/07	*<1.00	*1.00	*<30.00	*<1.00	*4.00	*<1.00	NA	*<1.00	NA
Medina	TD-69-63-103	05/24/07	NA	<0.90	780.00	<0.84	NA	9.03	<1.14	NA	<0.620
Medina	YP-69-45-405	06/18/07	*<1.00	*2.00	*<30.00	*<1.00	*2.00	*<1.00	NA	*<1.00	NA
Uvalde	YP-69-43-606	06/19/07	*<1.00	*2.00	*<30.00	*<1.00	*2.00	*<1.00	NA	*<1.00	NA
Uvalde	YP-69-50-207	06/18/07	*<1.00	*4.00	*<30.00	*<1.00	*3.00	*<1.00	NA	*<1.00	NA
Uvalde	YP-69-51-114	06/18/07	*<1.00	*31.00	*<30.00	*2.00	*7.00	*9.00	NA	*2.00	NA

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	Date Sampled	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)	Thallium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
Bexar	AY-68-27-512	02/02/07	1.25	<0.89	332.00	<0.36	NA	86.900
Bexar	AY-68-27-517	01/24/07	<0.99	<0.89	138.00	<0.36	NA	12.700
Bexar	AY-68-27-611	04/11/07	<0.99	<0.89	288.00	<0.36	NA	3.200
Bexar	AY-68-28-113	05/14/07	<0.99	<0.89	151.00	<0.36	NA	4.500
Bexar	AY-68-28-203	04/17/07	<0.99	<0.89	211.00	<0.36	NA	3.490
Bexar	AY-68-28-205	04/17/07	<0.99	<0.89	432.00	<0.36	NA	53.700
Bexar	AY-68-28-211	04/18/07	<0.99	<0.89	229.00	<0.36	NA	<0.680
Bexar	AY-68-28-314	04/16/07	<0.99	<0.89	90.10	<0.36	NA	<0.680
Bexar	AY-68-28-315	03/21/07	<0.99	<0.89	60.20	<0.36	NA	3.840
Bexar	AY-68-28-406	12/03/07	1.28	<0.89	263.00	<0.36	NA	1.740
Bexar	AY-68-28-513	04/17/07	<0.99	<0.89	206.00	<0.36	NA	0.900
Bexar	AY-68-28-514	04/17/07	<0.99	<0.89	266.00	<0.36	NA	1.240
Bexar	AY-68-28-518	04/10/07	<0.99	<0.89	529.00	<0.36	NA	0.850
Bexar	AY-68-28-519	04/23/07	<0.99	<0.89	51.70	<0.36	NA	<0.680
Bexar	AY-68-28-608 Annular	12/03/07	<0.99	<0.89	121.00	<0.36	NA	292.000
Bexar	AY-68-28-608 Standpipe	12/03/07	<0.99	<0.89	370.00	<0.36	NA	155.000
Bexar	AY-68-28-609	03/20/07	<0.99	<0.89	96.80	<0.36	NA	4.620
Bexar	AY-68-29-415	11/15/07	<0.99	<0.89	247.00	<0.36	NA	77.900
Bexar	AY-68-29-419	11/15/07	<0.99	<0.89	218.00	<0.36	NA	7.300
Bexar	AY-68-27-5FS	01/13/07	NA	NA	0.47	NA	NA	NA
Bexar	AY-68-27-5FS	01/18/07	NA	NA	0.41	NA	NA	NA
Bexar	AY-68-27-9NL	01/19/07	NA	NA	0.41	NA	NA	NA
Bexar	AY-68-27-5PS	01/12/07	NA	NA	0.38	NA	NA	NA

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	Date Sampled	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)	Thallium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
Bexar	AY-68-27-5PS	01/18/07	NA	NA	0.43	NA	NA	NA
Bexar	AY-68-27-8SM	01/13/07	NA	NA	0.39	NA	NA	NA
Bexar	AY-68-27-8SM	01/19/07	NA	NA	0.29	NA	NA	NA
Bexar	AY-68-27-5SR	01/12/07	NA	NA	0.36	NA	NA	NA
Bexar	AY-68-27-5SR	01/18/07	NA	NA	0.27	NA	NA	NA
Bexar	AY-68-27-5VU	01/12/07	NA	NA	0.36	NA	NA	NA
Bexar	AY-68-27-8ZC	01/13/07	NA	NA	0.61	NA	NA	NA
Bexar	AY-68-27-8ZC	01/18/07	NA	NA	0.38	NA	NA	NA
Bexar	AY-68-27-5ZM	01/12/07	NA	NA	0.49	NA	NA	NA
Bexar	AY-68-27-5ZM	01/19/07	NA	NA	0.39	NA	NA	NA
Comal	DX-68-23-203	06/25/07	*<1.00	NA	*0.48	*<1.00	*2.00	*6.000
Comal	DX-68-23-303	06/25/07	*<1.00	NA	*708.00	*<1.00	*3.00	*28.000
Comal	DX-68-23-304	03/07/07	<0.99	<0.89	498.00	<0.36	NA	14.300
Comal	DX-68-23-504	06/26/07	*<1.00	NA	*486.00	*<1.00	*3.00	*4.000
Comal	DX-68-23-617	05/22/07	1.03	<0.89	13700.00	<0.36	NA	2.020
Comal	DX-68-23-618	05/29/07	<0.99	<0.89	2720.00	<0.36	NA	1.530
Comal	DX-68-30-221	06/25/07	*1.00	NA	*192.00	*<1.00	*3.00	*2.000
Comal	DX-68-30-225	06/26/07	*<1.00	NA	*195.00	*<1.00	*3.00	*25.000
Hays	LR-58-57-912	11/19/07	<0.99	<0.89	43400.00	<0.36	NA	0.991
Hays	LR-67-01-704	11/27/07	<0.99	<0.89	180.00	<0.36	NA	11.000
Hays	LR-67-01-805	11/13/07	<0.99	<0.89	460.00	<0.36	NA	1.510
Hays	LR-67-01-810	10/24/07	<0.99	<0.89	451.00	<0.36	NA	2.040
Hays	LR-67-01-812	05/17/07	2.29	<0.89	16400.00	<0.36	NA	2.670
Hays	LR-67-01-813A	05/21/07	1.28	<0.89	16300.00	<0.36	NA	3.500

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	Date Sampled	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)	Thallium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
Hays	LR-67-01-813B	05/21/07	1.61	<0.89	16100.00	<0.36	NA	1.630
Hays	LR-67-01-814A	05/16/07	2.94	<0.89	16100.00	<0.36	NA	2.030
Hays	LR-67-01-814B	05/15/07	4.25	<0.89	16100.00	<0.36	NA	1.620
Hays	LR-67-01-816	11/13/07	1.02	<0.89	502.00	<0.36	NA	0.928
Hays	LR-67-01-8AR	10/24/07	<0.99	<0.89	516.00	<0.36	NA	<0.680
Hays	LR-67-01-7TS	11/19/07	<0.99	<0.89	192.00	<0.36	NA	16.400
Hays	LR-67-09-101 1	12/04/07	<0.99	<0.89	548.00	<0.36	NA	86.200
Hays	LR-67-09-101 2	12/04/07	<0.99	<0.89	551.00	<0.36	NA	22.300
Hays	LR-67-09-105	12/17/07	<0.99	<0.89	195.00	<0.36	NA	4.540
Hays	LR-67-09-106	11/29/07	<0.99	<0.89	576.00	<0.36	NA	13.400
Hays	LR-67-09-1AA	11/13/07	<0.99	<0.89	473.00	<0.36	NA	2.170
Hays	LR-67-09-1HB	11/29/07	<0.99	<0.89	404.00	<0.36	NA	<0.680
Hays	LR-67-09-1SM	11/13/07	1.17	<0.89	626.00	<0.36	NA	9.860
Hays	LR-68-08-902	11/27/07	<0.99	<0.89	490.00	<0.36	NA	49.900
Hays	LR-68-16-603	11/13/07	<0.99	<0.89	560.00	<0.36	NA	3.380
Hays	LR-68-08-7GR	11/27/07	<0.99	<0.89	2430.00	<0.36	NA	165.000
Kinney	RP-70-37-7KC	10/16/07	2.40	<0.89	2650.00	<0.36	NA	6.320
Kinney	RP-70-37-706	10/16/07	2.46	<0.89	2890.00	<0.36	NA	6.510
Kinney	RP-70-45-505	10/23/07	<0.99	<0.89	1490.00	<0.36	NA	3.180
Kinney	RP-70-45-601	10/23/07	<0.99	<0.89	1940.00	<0.36	NA	2.360
Medina	TD-68-33-502	06/21/07	*<1.00	NA	*0.56	*<1.00	*2.00	*4.000
Medina	TD-68-41-102	06/19/07	*<1.00	NA	*632.00	*<1.00	*3.00	*5.000
Medina	TD-68-41-303	06/18/07	*<1.00	NA	*511.00	*<1.00	*3.00	*3.000
Medina	TD-68-41-901	06/19/07	*<1.00	NA	*1450.00	*<1.00	*4.00	*4.000

Table C-3. (cont.) Analytical Data for Metals from Wells Completed in the Edwards Aquifer, 2007

County	State Well Number	Date Sampled	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)	Thallium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
Medina	TD-68-42-506	06/21/07	*<1.00	NA	*1190.00	*<1.00	*4.00	*3.000
Medina	TD-68-42-806	06/28/07	*1.00	NA	*2090.00	*<1.00	*11.00	*8.000
Medina	TD-68-49-301	06/28/07	*<1.00	NA	*6050.00	*<1.00	*8.00	*3.000
Medina	TD-68-49-501	06/28/07	*<1.00	NA	*2.50	*<1.00	*4.00	*5.000
Medina	TD-69-47-303	08/08/07	*<1.00	NA	*0.37	*<1.00	*3.00	*2.000
Medina	TD-69-55-604	06/21/07	*<1.00	NA	*0.89	*<1.00	*4.00	*2.000
Medina	TD-69-63-103	05/24/07	<0.99	<0.89	23000.00	<0.36	NA	1.760
Medina	YP-69-45-405	06/18/07	*<1.00	NA	*326.00	*<1.00	*3.00	*3.000
Uvalde	YP-69-43-606	06/19/07	*<1.00	NA	*0.38	*<1.00	*4.00	*6.000
Uvalde	YP-69-50-207	06/18/07	*<1.00	NA	*0.24	*<1.00	*6.00	*6.000
Uvalde	YP-69-51-114	06/18/07	*2.00	NA	*2820.00	*<1.00	*6.00	*1570.000

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

Table C-4. Analytical data for nutrients from wells completed in the Edwards Aquifer, 2007

County	State Well Number	Date Sampled	Nitrate-N (mg/L)
Bexar	AY-68-27-512	02/02/07	2.290
Bexar	AY-68-27-517	01/24/07	1.740
Bexar	AY-68-27-611	04/11/07	1.290
Bexar	AY-68-28-113	05/14/07	1.360
Bexar	AY-68-28-203	04/17/07	2.340
Bexar	AY-68-28-205	04/17/07	1.150
Bexar	AY-68-28-211	04/18/07	1.820
Bexar	AY-68-28-314	04/16/07	3.280
Bexar	AY-68-28-315	03/21/07	1.430
Bexar	AY-68-28-406	12/03/07	2.270
Bexar	AY-68-28-513	04/17/07	1.270
Bexar	AY-68-28-514	04/17/07	0.523
Bexar	AY-68-28-518	04/10/07	1.560
Bexar	AY-68-28-519	04/23/07	1.140
Bexar	AY-68-28-608 Annular	12/03/07	1.580
Bexar	AY-68-28-608 Standpipe	12/03/07	1.190
Bexar	AY-68-28-609	03/20/07	1.740
Bexar	AY-68-29-415	11/15/07	2.590
Bexar	AY-68-29-419	11/15/07	2.560
Bexar	AY-68-27-5FS	01/13/07	1.330
Bexar	AY-68-27-5FS	01/18/07	1.720
Bexar	AY-68-27-9NL	01/19/07	1.730
Bexar	AY-68-27-5PS	01/12/07	1.460
Bexar	AY-68-27-5PS	01/18/07	1.760
Bexar	AY-68-27-8SM	01/13/07	4.120
Bexar	AY-68-27-8SM	01/19/07	4.610
Bexar	AY-68-27-5SR	01/12/07	1.560
Bexar	AY-68-27-5SR	01/18/07	1.940
Bexar	AY-68-27-5VU	01/12/07	2.430
Bexar	AY-68-27-8ZC	01/13/07	1.960
Bexar	AY-68-27-8ZC	01/18/07	2.550
Bexar	AY-68-27-5ZM	01/12/07	1.330
Bexar	AY-68-27-5ZM	01/19/07	1.820
Comal	DX-68-23-203	06/25/07	*2.300
Comal	DX-68-23-303	06/25/07	*1.900
Comal	DX-68-23-304	03/07/07	1.930
Comal	DX-68-23-504	06/26/07	*1.900
Comal	DX-68-23-617	05/22/07	1.390
Comal	DX-68-23-618	05/29/07	0.520
Comal	DX-68-30-221	06/25/07	*6.700
Comal	DX-68-30-225	06/26/07	*3.000

Table C-4. (cont.) Analytical data for nutrients from wells completed in the Edwards Aquifer, 2007

County	State Well Number	Date Sampled	Nitrate-N (mg/L)
Hays	LR-58-57-912	11/19/07	<0.150
Hays	LR-67-01-704	11/27/07	2.460
Hays	LR-67-01-805	11/13/07	<0.150
Hays	LR-67-01-810	10/24/07	1.390
Hays	LR-67-01-812	05/17/07	2.020
Hays	LR-67-01-813A	05/21/07	0.371
Hays	LR-67-01-813B	05/21/07	<0.150
Hays	LR-67-01-814A	05/16/07	<0.150
Hays	LR-67-01-814B	05/15/07	<0.150
Hays	LR-67-01-816	11/13/07	<0.150
Hays	LR-67-01-8AR	10/24/07	1.430
Hays	LR-67-01-7TS	11/19/07	1.310
Hays	LR-67-09-101 1	12/04/07	2.720
Hays	LR-67-09-101 2	12/04/07	2.340
Hays	LR-67-09-105	12/17/07	0.928
Hays	LR-67-09-106	11/29/07	2.210
Hays	LR-67-09-1AA	11/13/07	9.010
Hays	LR-67-09-1HB	11/29/07	1.210
Hays	LR-67-09-1SM	11/13/07	10.500
Hays	LR-68-08-902	11/27/07	<0.150
Hays	LR-68-16-603	11/13/07	1.110
Hays	LR-68-08-7GR	11/27/07	1.860
Kinney	RP-70-37-7KC	10/16/07	1.490
Kinney	RP-70-37-706	10/16/07	1.800
Kinney	RP-70-45-505	10/23/07	0.772
Kinney	RP-70-45-601	10/23/07	1.170
Medina	TD-68-33-502	06/21/07	*0.700
Medina	TD-68-41-102	06/19/07	*1.800
Medina	TD-68-41-303	06/18/07	*2.100
Medina	TD-68-41-901	06/19/07	*1.900
Medina	TD-68-42-506	06/21/07	*2.000
Medina	TD-68-42-806	06/28/07	*1.200
Medina	TD-68-49-301	06/28/07	*1.400
Medina	TD-68-49-501	06/28/07	*2.200
Medina	TD-69-47-303	08/08/07	*1.500
Medina	TD-69-55-604	06/21/07	*2.400
Medina	TD-69-63-103	05/24/07	<0.150
Medina	YP-69-45-405	06/18/07	*1.400
Uvalde	YP-69-43-606	06/19/07	*3.000
Uvalde	YP-69-50-207	06/18/07	*2.600
Uvalde	YP-69-51-114	06/18/07	*6.800

Table C-4. (cont.) Analytical data for nutrients from wells completed in the Edwards Aquifer, 2007

County	State Well Number	Date Sampled	Nitrate-N (mg/L)
Medina	TD-68-42-506	06/21/07	*2.000
Medina	TD-68-42-806	06/28/07	*1.200
Medina	TD-68-49-301	06/28/07	*1.400
Medina	TD-68-49-501	06/28/07	*2.200
Medina	TD-69-47-303	08/08/07	*1.500
Medina	TD-69-55-604	06/21/07	*2.400
Medina	TD-69-63-103	05/24/07	<0.150
Medina	YP-69-45-405	06/18/07	*1.400
Uvalde	YP-69-43-606	06/19/07	*3.000
Uvalde	YP-69-50-207	06/18/07	*2.600
Uvalde	YP-69-51-114	06/18/07	*6.800

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

Table C-5. Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

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-68-27-517	01/24/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-611	04/11/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-113	05/14/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-203	04/17/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-205	04/17/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-211	04/18/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-314	04/16/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-315	03/21/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-406	12/03/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-513	04/17/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-514	04/17/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-518	04/10/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-519	04/23/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Annular	12/03/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608 Standpipe	12/03/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-609	03/20/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-415	11/15/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-419	11/15/07	<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, 2007

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)
DX-68-23-304	03/07/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
LR-58-57-912	11/19/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-704	11/27/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-805	11/13/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-810	10/24/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-816	11/13/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-8AR	10/24/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR 67-01-7TS	11/19/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 1	12/04/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-101 2	12/04/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-105	12/17/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-106	11/29/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1AA	11/13/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1HB	11/29/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1SM	11/13/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-68-08-902	11/27/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-68-16-603	11/13/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
LR-68-08-7GR	11/27/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
RP-70-37-7KC	10/16/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
RP-70-37-706	10/16/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
RP-70-45-505	10/23/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
RP-70-45-601	10/23/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00	<1.00
TD-69-63-103	05/24/07	<0.100	<0.016	<0.035	<0.016	<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, 2007

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)	Chloropyrifos (µg/L)	Coumaphos (µg/L)
AY-68-27-517	01/24/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-27-611	04/11/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-113	05/14/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-203	04/17/07	<1.00	<1.00	<2.40	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-205	04/17/07	<1.00	<1.00	<2.40	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-211	04/18/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-314	04/16/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-315	03/21/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-406	12/03/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-513	04/17/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-514	04/17/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-518	04/10/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-519	04/23/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-28-608 Annular	12/03/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-608 Standpipe	12/03/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-28-609	03/20/07	<1.00	<1.00	<0.30	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
AY-68-29-415	11/15/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
AY-68-29-419	11/15/07	<1.00	<1.00	<0.05	<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, 2007

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)	Chloropyrifos (µg/L)	Coumaphos (µg/L)
DX-68-23-304	03/07/07	<1.00	<1.00	<2.40	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30
LR-58-57-912	11/19/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-704	11/27/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-805	11/13/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-810	10/24/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-816	11/13/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-01-8AR	10/24/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR 67-01-7TS	11/19/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 1	12/04/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-101 2	12/04/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-105	12/17/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-106	11/29/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-1AA	11/13/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-1HB	11/29/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-67-09-1SM	11/13/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-68-08-902	11/27/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-68-16-603	11/13/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
LR-68-08-7GR	11/27/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
RP-70-37-7KC	10/16/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
RP-70-37-706	10/16/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
RP-70-45-505	10/23/07	<1.00	<1.00	<0.05	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
RP-70-45-601	10/23/07	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05	<0.05	<0.05
TD-69-63-103	05/24/07	<1.00	<1.00	<2.40	<0.50	<0.10	<0.013	<0.50	<0.50	<0.30

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

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-68-27-517	01/24/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-27-611	04/11/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-113	05/14/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-203	04/17/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-205	04/17/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-211	04/18/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-314	04/16/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-315	03/21/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-406	12/03/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-513	04/17/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-514	04/17/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-518	04/10/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-519	04/23/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-608 Annular	12/03/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-608 Standpipe	12/03/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-28-609	03/20/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-29-415	11/15/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
AY-68-29-419	11/15/07	<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, 2007

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)
DX-68-23-304	03/07/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
LR-58-57-912	11/19/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-704	11/27/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-805	11/13/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-810	10/24/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-816	11/13/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-01-8AR	10/24/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR 67-01-7TS	11/19/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 1	12/04/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-101 2	12/04/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-105	12/17/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-106	11/29/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-1AA	11/13/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-1HB	11/29/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-67-09-1SM	11/13/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-68-08-902	11/27/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-68-16-603	11/13/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
LR-68-08-7GR	11/27/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
RP-70-37-7KC	10/16/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
RP-70-37-706	10/16/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
RP-70-45-505	10/23/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
RP-70-45-601	10/23/07	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
TD-69-63-103	05/24/07	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

Station Name	Date Sampled	Dimethoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endosulfan I (µg/L)	Endosulfan II (µg/L)	Endosulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)
AY-68-27-517	01/24/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-27-611	04/11/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-113	05/14/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-203	04/17/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-205	04/17/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-211	04/18/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-314	04/16/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-315	03/21/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-406	12/03/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-513	04/17/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-514	04/17/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-518	04/10/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-519	04/23/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-608 Annular	12/03/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-608 Standpipe	12/03/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-28-609	03/20/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-29-415	11/15/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
AY-68-29-419	11/15/07	<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, 2007

Station Name	Date Sampled	Dimethoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endosulfan I (µg/L)	Endosulfan II (µg/L)	Endosulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)
DX-68-23-304	03/07/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
LR-58-57-912	11/19/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-704	11/27/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-805	11/13/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-810	10/24/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-816	11/13/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-01-8AR	10/24/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR 67-01-7TS	11/19/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 1	12/04/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-101 2	12/04/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-105	12/17/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-106	11/29/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-1AA	11/13/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-1HB	11/29/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-67-09-1SM	11/13/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-68-08-902	11/27/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-68-16-603	11/13/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
LR-68-08-7GR	11/27/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
RP-70-37-7KC	10/16/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
RP-70-37-706	10/16/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
RP-70-45-505	10/23/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
RP-70-45-601	10/23/07	<0.05	<0.50	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TD-69-63-103	05/24/07	<0.40	<0.10	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

Station Name	Date Sampled	EPN (µg/L)	Ethoprop (µg/L)	Fensulfo-thion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)
AY-68-27-517	01/24/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-27-611	04/11/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-113	05/14/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-203	04/17/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-205	04/17/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-211	04/18/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-314	04/16/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-315	03/21/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-406	12/03/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-513	04/17/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-514	04/17/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-518	04/10/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-519	04/23/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-608 Annular	12/03/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-608 Standpipe	12/03/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-28-609	03/20/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-29-415	11/15/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
AY-68-29-419	11/15/07	<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, 2007

Station Name	Date Sampled	EPN (µg/L)	Ethoprop (µg/L)	Fensulfo-thion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)
DX-68-23-304	03/07/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
LR-58-57-912	11/19/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-704	11/27/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-805	11/13/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-810	10/24/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-816	11/13/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-01-8AR	10/24/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR 67-01-7TS	11/19/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 1	12/04/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-101 2	12/04/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-105	12/17/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-106	11/29/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-1AA	11/13/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-1HB	11/29/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-67-09-1SM	11/13/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-68-08-902	11/27/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-68-16-603	11/13/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
LR-68-08-7GR	11/27/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
RP-70-37-7KC	10/16/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
RP-70-37-706	10/16/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
RP-70-45-505	10/23/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
RP-70-45-601	10/23/07	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05
TD-69-63-103	05/24/07	<0.40	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

Station Name	Date Sampled	Merphos (µg/L)	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Pentachloro-phenol (µg/L)	Phorate (µg/L)
AY-68-27-517	01/24/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-27-611	04/11/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-113	05/14/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-203	04/17/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-205	04/17/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-211	04/18/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-314	04/16/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-315	03/21/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-406	12/03/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-513	04/17/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-514	04/17/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-518	04/10/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-519	04/23/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-28-608 Annular	12/03/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-608 Standpipe	12/03/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-28-609	03/20/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
AY-68-29-415	11/15/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
AY-68-29-419	11/15/07	<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, 2007

Station Name	Date Sampled	Merphos (µg/L)	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Pentachloro-phenol (µg/L)	Phorate (µg/L)
DX-68-23-304	03/07/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40
LR-58-57-912	11/19/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-704	11/27/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-805	11/13/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-810	10/24/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-816	11/13/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-01-8AR	10/24/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR 67-01-7TS	11/19/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 1	12/04/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-101 2	12/04/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-105	12/17/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-106	11/29/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-1AA	11/13/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-1HB	11/29/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-67-09-1SM	11/13/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-68-08-902	11/27/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-68-16-603	11/13/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
LR-68-08-7GR	11/27/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
RP-70-37-7KC	10/16/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
RP-70-37-706	10/16/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
RP-70-45-505	10/23/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
RP-70-45-601	10/23/07	<0.05	<0.050	<0.05	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05
TD-69-63-103	05/24/07	<0.30	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

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-68-27-517	01/24/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-27-611	04/11/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-113	05/14/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-203	04/17/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-205	04/17/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-211	04/18/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-314	04/16/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-315	03/21/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-406	12/03/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-513	04/17/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-514	04/17/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-518	04/10/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-519	04/23/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-28-608 Annular	12/03/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-608 Standpipe	12/03/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-28-609	03/20/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
AY-68-29-415	11/15/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
AY-68-29-419	11/15/07	<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, 2007

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)
DX-68-23-304	03/07/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00
LR-58-57-912	11/19/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-704	11/27/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-805	11/13/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-810	10/24/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-816	11/13/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-01-8AR	10/24/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR 67-01-7TS	11/19/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 1	12/04/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-101 2	12/04/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-105	12/17/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-106	11/29/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-1AA	11/13/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-1HB	11/29/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-67-09-1SM	11/13/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-68-08-902	11/27/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-68-16-603	11/13/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
LR-68-08-7GR	11/27/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
RP-70-37-7KC	10/16/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
RP-70-37-706	10/16/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
RP-70-45-505	10/23/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
RP-70-45-601	10/23/07	<0.50	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00
TD-69-63-103	05/24/07	<0.10	<0.40	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

Station Name	Date Sampled	Toxaphene (µg/L)	2,4,5-TP (mg/L)	Trichloro-nate (µg/L)
AY-68-27-517	01/24/07	<0.770	<0.05	<0.40
AY-68-27-611	04/11/07	<0.770	<0.05	<0.40
AY-68-28-113	05/14/07	<0.770	<0.05	<0.40
AY-68-28-203	04/17/07	<0.770	<0.05	<0.40
AY-68-28-205	04/17/07	<0.770	<0.05	<0.40
AY-68-28-211	04/18/07	<0.770	<0.05	<0.40
AY-68-28-314	04/16/07	<0.770	<0.05	<0.40
AY-68-28-315	03/21/07	<0.770	<0.05	<0.40
AY-68-28-406	12/03/07	<0.050	<0.50	<0.05
AY-68-28-513	04/17/07	<0.770	<0.05	<0.40
AY-68-28-514	04/17/07	<0.770	<0.05	<0.40
AY-68-28-518	04/10/07	<0.770	<0.05	<0.40
AY-68-28-519	04/23/07	<0.770	<0.05	<0.40
AY-68-28-608 Annular	12/03/07	<0.050	<0.50	<0.05
AY-68-28-608 Standpipe	12/03/07	<0.050	<0.50	<0.05
AY-68-28-609	03/20/07	<0.770	<0.05	<0.40
AY-68-29-415	11/15/07	<0.050	<0.50	<0.05
AY-68-29-419	11/15/07	<0.050	<0.50	<0.05

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) Wells Completed in the Edwards Aquifer, 2007

Station Name	Date Sampled	Toxaphene (µg/L)	2,4,5-TP (mg/L)	Trichloro-nate (µg/L)
DX-68-23-304	03/07/07	<0.770	<0.05	<0.40
LR-58-57-912	11/19/07	<0.050	<0.50	<0.05
LR-67-01-704	11/27/07	<0.050	<0.50	<0.05
LR-67-01-805	11/13/07	<0.050	<0.50	<0.05
LR-67-01-810	10/24/07	<0.050	<0.50	<0.05
LR-67-01-816	11/13/07	<0.050	<0.50	<0.05
LR-67-01-8AR	10/24/07	<0.050	<0.50	<0.05
LR 67-01-7TS	11/19/07	<0.050	<0.50	<0.05
LR-67-09-101 1	12/04/07	<0.050	<0.50	<0.05
LR-67-09-101 2	12/04/07	<0.050	<0.50	<0.05
LR-67-09-105	12/17/07	<0.050	<0.50	<0.05
LR-67-09-106	11/29/07	<0.050	<0.50	<0.05
LR-67-09-1AA	11/13/07	<0.050	<0.50	<0.05
LR-67-09-1HB	11/29/07	<0.050	<0.50	<0.05
LR-67-09-1SM	11/13/07	<0.050	<0.50	<0.05
LR-68-08-902	11/27/07	<0.050	<0.50	<0.05
LR-68-16-603	11/13/07	<0.050	<0.50	<0.05
LR-68-08-7GR	11/27/07	<0.050	<0.50	<0.05
RP-70-37-7KC	10/16/07	<0.050	<0.50	<0.05
RP-70-37-706	10/16/07	<0.050	<0.50	<0.05
RP-70-45-505	10/23/07	<0.050	<0.50	<0.05
RP-70-45-601	10/23/07	<0.050	<0.50	<0.05
TD-69-63-103	05/24/07	<0.770	<0.05	<0.40

NA = Not Analyzed

Table C-6. Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-512	02/02/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-517	01/24/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-611	04/11/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-113	05/14/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-203	04/17/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-205	04/17/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-211	04/18/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-314	04/16/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-315	03/21/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-406	12/03/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-513	04/17/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-514	04/17/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-518	04/10/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-519	04/23/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Annular	12/03/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-608 Standpipe	12/03/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-28-609	03/20/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-415	11/15/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-29-419	11/15/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5FS	01/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5FS	01/18/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-9NL	01/19/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5PS	01/12/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5PS	01/18/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-8SM	01/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-8SM	01/19/07	<10.0	<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 (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Acetone (µg/L)	Acetoni-trile (µg/L)	Acrolein (µg/L)	Acryloni-trile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromo-acetone (µg/L)	Bromo-benzene (µg/L)
AY-68-27-5SR	01/12/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5SR	01/18/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5VU	01/12/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-8ZC	01/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-8ZC	01/18/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5ZM	01/12/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
AY-68-27-5ZM	01/19/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
DX-68-23-304	03/07/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-58-57-912	11/19/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-01-704	11/27/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-01-805	11/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-01-810	10/24/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-01-816	11/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-01-8AR	10/24/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR 67-01-7TS	11/19/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 1	12/04/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-101 2	12/04/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-105	12/17/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-106	11/29/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-1AA	11/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-1HB	11/29/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-67-09-1SM	11/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-68-08-902	11/27/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-68-16-603	11/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
LR-68-08-7GR	11/27/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
RP-70-37-7KC	10/16/07	<10.0	<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 (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Acetone (µg/L)	Acetoni-trile (µg/L)	Acrolein (µg/L)	Acryloni-trile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromo-acetone (µg/L)	Bromo-benzene (µg/L)
RP-70-37-706	10/16/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
RP-70-45-505	10/23/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
RP-70-45-601	10/23/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00	<2.00
TD-69-63-103	05/24/07	<10.0	<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 (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-512	02/02/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-517	01/24/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-611	04/11/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-113	05/14/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-203	04/17/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-205	04/17/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-211	04/18/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-314	04/16/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-315	03/21/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-406	12/03/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-513	04/17/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-514	04/17/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-518	04/10/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-519	04/23/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-608 Annular	12/03/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-608 Standpipe	12/03/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-609	03/20/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-29-415	11/15/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-29-419	11/15/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5FS	01/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5FS	01/18/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-9NL	01/19/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5PS	01/12/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5PS	01/18/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8SM	01/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8SM	01/19/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-5SR	01/12/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5SR	01/18/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5VU	01/12/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8ZC	01/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8ZC	01/18/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5ZM	01/12/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5ZM	01/19/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
DX-68-23-304	03/07/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-58-57-912	11/19/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-704	11/27/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-805	11/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-810	10/24/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-816	11/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-8AR	10/24/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR 67-01-7TS	11/19/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-101 1	12/04/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-101 2	12/04/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-105	12/17/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-106	11/29/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-1AA	11/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-1HB	11/29/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-1SM	11/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-68-08-902	11/27/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-68-16-603	11/13/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
LR-68-08-7GR	11/27/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
RP-70-37-7KC	10/16/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)
RP-70-37-706	10/16/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
RP-70-45-505	10/23/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
RP-70-45-601	10/23/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00
TD-69-63-103	05/24/07	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0	<5.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-512	02/02/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-517	01/24/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-611	04/11/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-113	05/14/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-203	04/17/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-205	04/17/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-211	04/18/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-314	04/16/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-315	03/21/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-406	12/03/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-513	04/17/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-514	04/17/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-518	04/10/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-519	04/23/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	12/03/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	12/03/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-28-609	03/20/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-29-415	11/15/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-29-419	11/15/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5FS	01/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5FS	01/18/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-9NL	01/19/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5PS	01/12/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5PS	01/18/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-8SM	01/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-8SM	01/19/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-5SR	01/12/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5SR	01/18/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5VU	01/12/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-8ZC	01/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-8ZC	01/18/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5ZM	01/12/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
AY-68-27-5ZM	01/19/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
DX-68-23-304	03/07/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-58-57-912	11/19/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-01-704	11/27/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-01-805	11/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-01-810	10/24/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-01-816	11/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-01-8AR	10/24/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR 67-01-7TS	11/19/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	12/04/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	12/04/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-09-105	12/17/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-09-106	11/29/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-09-1AA	11/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-09-1HB	11/29/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-67-09-1SM	11/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-68-08-902	11/27/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-68-16-603	11/13/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
LR-68-08-7GR	11/27/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
RP-70-37-7KC	10/16/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00

Table C-6 (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)
RP-70-37-706	10/16/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
RP-70-45-505	10/23/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
RP-70-45-601	10/23/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00
TD-69-63-103	05/24/07	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-512	02/02/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-517	01/24/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.80	<2.00	<2.00	<2.00
AY-68-27-611	04/11/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-113	05/14/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-203	04/17/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-205	04/17/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-211	04/18/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-314	04/16/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-315	03/21/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-406	12/03/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-513	04/17/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-514	04/17/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-518	04/10/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.80	<2.00	<2.00	<2.00
AY-68-28-519	04/23/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	12/03/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	12/03/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-609	03/20/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-415	11/15/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-419	11/15/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5FS	01/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.80	<2.00	<2.00	<2.00
AY-68-27-5FS	01/18/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.16	<2.00	<2.00	<2.00
AY-68-27-9NL	01/19/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.16	<2.00	<2.00	<2.00
AY-68-27-5PS	01/12/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.80	<2.00	<2.00	<2.00
AY-68-27-5PS	01/18/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.16	<0.15	<2.00	<2.00
AY-68-27-8SM	01/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.80	<2.00	<2.00	<2.00
AY-68-27-8SM	01/19/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.16	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-5SR	01/12/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.8	<0.77	<2.00	<2.00
AY-68-27-5SR	01/18/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.16	<0.15	<2.00	<2.00
AY-68-27-5VU	01/12/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.8	<0.77	<2.00	<2.00
AY-68-27-8ZC	01/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.8	<2.00	<2.00	<2.00
AY-68-27-8ZC	01/18/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.16	<0.15	<2.00	<2.00
AY-68-27-5ZM	01/12/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.8	<0.77	<2.00	<2.00
AY-68-27-5ZM	01/19/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.16	<2.00	<2.00	<2.00
DX-68-23-304	03/07/07	<2.00	<2.00	<10.0	<2.00	<2.00	<0.8	<2.00	<2.00	<2.00
LR-58-57-912	11/19/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-704	11/27/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-805	11/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-810	10/24/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-816	11/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-8AR	10/24/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR 67-01-7TS	11/19/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	12/04/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	12/04/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-105	12/17/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-106	11/29/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-1AA	11/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-1HB	11/29/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-1SM	11/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-68-08-902	11/27/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-68-16-603	11/13/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
LR-68-08-7GR	11/27/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
RP-70-37-7KC	10/16/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)
RP-70-37-706	10/16/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
RP-70-45-505	10/23/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
RP-70-45-601	10/23/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
TD-69-63-103	05/24/07	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)	Iodo-methane (µg/L)
AY-68-27-512	02/02/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-517	01/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-611	04/11/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-113	05/14/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-203	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-205	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-211	04/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-314	04/16/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-315	03/21/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-406	12/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-513	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-514	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-518	04/10/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-519	04/23/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-608 Annular	12/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-608 Standpipe	12/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-28-609	03/20/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-29-415	11/15/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-29-419	11/15/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5FS	01/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5FS	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-9NL	01/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5PS	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5PS	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-8SM	01/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-8SM	01/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)	Iodo-methane (µg/L)
AY-68-27-5SR	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5SR	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5VU	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-8ZC	01/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-8ZC	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5ZM	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
AY-68-27-5ZM	01/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
DX-68-23-304	03/07/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-58-57-912	11/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-01-704	11/27/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-01-805	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-01-810	10/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-01-816	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-01-8AR	10/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR 67-01-7TS	11/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-09-101 1	12/04/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-09-101 2	12/04/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-09-105	12/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-09-106	11/29/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-09-1AA	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-09-1HB	11/29/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-67-09-1SM	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-68-08-902	11/27/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-68-16-603	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
LR-68-08-7GR	11/27/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
RP-70-37-7KC	10/16/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)	Iodo-methane (µg/L)
RP-70-37-706	10/16/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
RP-70-45-505	10/23/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
RP-70-45-601	10/23/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00
TD-69-63-103	05/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)	Methylene Chloride (µg/L)	Naphtha-lene (µg/L)	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)
AY-68-27-512	02/02/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-517	01/24/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00
AY-68-27-611	04/11/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-113	05/14/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-203	04/17/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-205	04/17/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-211	04/18/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-314	04/16/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-315	03/21/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-406	12/03/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-513	04/17/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-514	04/17/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-518	04/10/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-519	04/23/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-608 Annular	12/03/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-608 Standpipe	12/03/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-28-609	03/20/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-29-415	11/15/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-29-419	11/15/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5FS	01/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5FS	01/18/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-9NL	01/19/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5PS	01/12/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5PS	01/18/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8SM	01/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8SM	01/19/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)	Methylene Chloride (µg/L)	Naphtha-lene (µg/L)	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)
AY-68-27-5SR	01/12/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5SR	01/18/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5VU	01/12/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8ZC	01/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-8ZC	01/18/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5ZM	01/12/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
AY-68-27-5ZM	01/19/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
DX-68-23-304	03/07/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-58-57-912	11/19/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-704	11/27/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-805	11/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-810	10/24/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-816	11/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-01-8AR	10/24/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR 67-01-7TS	11/19/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-101 1	12/04/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-101 2	12/04/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-105	12/17/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-106	11/29/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-1AA	11/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-1HB	11/29/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-67-09-1SM	11/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-68-08-902	11/27/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-68-16-603	11/13/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
LR-68-08-7GR	11/27/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00
RP-70-37-7KC	10/16/07	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-Tetrachloro-benzene (µg/L)	1,1,1,2-Tetrachloro-ethane (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Tetrachloro-ethene (µg/L)
AY-68-27-512	02/02/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-517	01/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-611	04/11/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-113	05/14/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-203	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-205	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-211	04/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-314	04/16/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-315	03/21/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-406	12/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-513	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-514	04/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-518	04/10/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-519	04/23/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-608 Annular	12/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-608 Standpipe	12/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-28-609	03/20/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-29-415	11/15/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-29-419	11/15/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5FS	01/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5FS	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-9NL	01/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5PS	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5PS	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-8SM	01/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-8SM	01/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-Tetrachloro-benzene (µg/L)	1,1,1,2-Tetrachloro-ethane (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Tetrachloro-ethene (µg/L)
AY-68-27-5SR	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5SR	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5VU	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-8ZC	01/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-8ZC	01/18/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5ZM	01/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
AY-68-27-5ZM	01/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
DX-68-23-304	03/07/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-58-57-912	11/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-01-704	11/27/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-01-805	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-01-810	10/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-01-816	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-01-8AR	10/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR 67-01-7TS	11/19/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-09-101 1	12/04/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-09-101 2	12/04/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-09-105	12/17/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-09-106	11/29/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-09-1AA	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-09-1HB	11/29/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-67-09-1SM	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-68-08-902	11/27/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-68-16-603	11/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
LR-68-08-7GR	11/27/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
RP-70-37-7KC	10/16/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-Tetrachloro-benzene (µg/L)	1,1,1,2-Tetrachloro-ethane (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Tetrachloro-ethene (µg/L)
RP-70-37-706	10/16/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
RP-70-45-505	10/23/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
RP-70-45-601	10/23/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00
TD-69-63-103	05/24/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-512	02/02/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-517	01/24/07	<2.00	<2.00	<10.0	<10.0	<0.90	<2.00	<2.00	<2.00	<2.00
AY-68-27-611	04/11/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-113	05/14/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-203	04/17/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-205	04/17/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-211	04/18/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-314	04/16/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-315	03/21/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-406	12/03/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-513	04/17/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-514	04/17/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-518	04/10/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-519	04/23/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Annular	12/03/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-608 Standpipe	12/03/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-28-609	03/20/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-415	11/15/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-29-419	11/15/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5FS	01/13/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5FS	01/18/07	<2.00	<2.00	<10.0	<10.0	<0.18	<2.00	<2.00	<2.00	<2.00
AY-68-27-9NL	01/19/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5PS	01/12/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
AY-68-27-5PS	01/18/07	<2.00	<2.00	<10.0	<10.0	<0.18	<2.00	<2.00	<2.00	<2.00
AY-68-27-8SM	01/13/07	<2.00	<2.00	<10.0	<10.0	<0.90	<2.00	<2.00	<2.00	<2.00
AY-68-27-8SM	01/19/07	<2.00	<2.00	<10.0	<10.0	<0.18	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-5SR	01/12/07	<2.00	<2.00	<10.0	<10.0	<0.90	<2.00	<2.00	<2.00	<2.00
AY-68-27-5SR	01/18/07	<2.00	<2.00	<10.0	<10.0	<0.18	<2.00	<2.00	<2.00	<2.00
AY-68-27-5VU	01/12/07	<2.00	<2.00	<10.0	<10.0	<0.90	<2.00	<2.00	<2.00	<2.00
AY-68-27-8ZC	01/13/07	<2.00	<2.00	<10.0	<10.0	<0.90	<2.00	<2.00	<2.00	<2.00
AY-68-27-8ZC	01/18/07	<2.00	<2.00	<10.0	<10.0	<0.18	<2.00	<2.00	<2.00	<2.00
AY-68-27-5ZM	01/12/07	<2.00	<2.00	<10.0	<10.0	<0.90	<2.00	<2.00	<2.00	<2.00
AY-68-27-5ZM	01/19/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
DX-68-23-304	03/07/07	<2.00	<2.00	<10.0	<10.0	<0.90	<2.00	<2.00	<2.00	<2.00
LR-58-57-912	11/19/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-704	11/27/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-805	11/13/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-810	10/24/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-816	11/13/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-01-8AR	10/24/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR 67-01-7TS	11/19/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 1	12/04/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-101 2	12/04/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-105	12/17/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-106	11/29/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-1AA	11/13/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-1HB	11/29/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-67-09-1SM	11/13/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-68-08-902	11/27/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-68-16-603	11/13/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
LR-68-08-7GR	11/27/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)
RP-70-37-706	10/16/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
RP-70-45-505	10/23/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
RP-70-45-601	10/23/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00
TD-69-63-103	05/24/07	<2.00	<2.00	<10.0	<10.0	<10.00	<2.00	<2.00	<2.00	<2.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	1,2,3-Trichloro-propane (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)	1,3-Dichloro-propene (µg/L)
AY-68-27-512	02/02/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-517	01/24/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-611	04/11/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-113	05/14/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-203	04/17/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-205	04/17/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-211	04/18/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-314	04/16/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-315	03/21/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-406	12/03/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-513	04/17/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-514	04/17/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-518	04/10/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-519	04/23/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-608 Annular	12/03/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-608 Standpipe	12/03/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-28-609	03/20/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-29-415	11/15/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-29-419	11/15/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5FS	01/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5FS	01/18/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-9NL	01/19/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5PS	01/12/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5PS	01/18/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-8SM	01/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-8SM	01/19/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	1,2,3-Trichloro-propane (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)	1,3-Dichloro-propene (µg/L)
AY-68-27-5SR	01/12/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5SR	01/18/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5VU	01/12/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-8ZC	01/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-8ZC	01/18/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5ZM	01/12/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
AY-68-27-5ZM	01/19/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
DX-68-23-304	03/07/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-58-57-912	11/19/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-01-704	11/27/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-01-805	11/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-01-810	10/24/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-01-816	11/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-01-8AR	10/24/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR 67-01-7TS	11/19/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-09-101 1	12/04/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-09-101 2	12/04/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-09-105	12/17/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-09-106	11/29/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-09-1AA	11/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-09-1HB	11/29/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-67-09-1SM	11/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-68-08-902	11/27/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-68-16-603	11/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
LR-68-08-7GR	11/27/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
RP-70-37-7KC	10/16/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOC) from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	1,2,3-Trichloro-propane (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)	1,3-Dichloro-propene (µg/L)
RP-70-37-706	10/16/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
RP-70-45-505	10/23/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
RP-70-45-601	10/23/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
TD-69-63-103	05/24/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00

Table C-7. Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Acena-phthene (µg/L)	Acena-phthylene (µg/L)	Aniline (µg/L)	Anthracene (µg/L)	Azobenzene (µg/L)	Benzidine (µg/L)	Benzo(a)-anthra-cene (µg/L)	Benzo(a)-pyrene (µg/L)	Benzo(b) fluoran-thene (µg/L)
AY-68-27-517	01/24/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-518	04/10/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-5FS	01/13/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-5FS	01/18/07	<0.20	<0.22	<0.09	<0.20	<0.15	<0.05	<0.21	<0.20	<0.31
AY-68-27-9NL	01/19/07	<0.20	<0.22	<0.09	<0.20	<0.15	<0.05	<0.21	<0.20	<0.31
AY-68-27-5PS	01/12/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-5PS	01/18/07	<0.20	<0.22	<0.09	<0.20	<0.15	<0.05	<0.21	<0.20	<0.31
AY-68-27-8SM	01/13/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-8SM	01/19/07	<0.20	<0.22	<0.09	<0.20	<0.15	<0.05	<0.21	<0.20	<0.31
AY-68-27-5SR	01/12/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-5SR	01/18/07	<0.20	<0.22	<0.09	<0.20	<0.15	<0.05	<0.21	<0.20	<0.31
AY-68-27-5VU	01/12/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-8ZC	01/13/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-8ZC	01/18/07	<0.20	<0.22	<0.09	<0.20	<0.15	<0.05	<0.21	<0.20	<0.31
AY-68-27-5ZM	01/12/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-5ZM	01/19/07	<0.20	<0.22	<0.09	<0.20	<0.15	<0.05	<0.21	<0.20	<0.31
DX-68-23-304	03/07/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54

Table C-7. (cont.) Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Benzo-(g,h,I)-perylene (µg/L)	Benzo(k)-fluoran-thene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	bis (2-chloro-ethoxy)-methane (µg/L)	Bis (2-chloro-ethyl)-ether (µg/L)	Bis (2-chloro-isopropyl)-ether (µg/L)	Bis (2-ethyl-hexyl)-adipate (µg/L)	Bis (2-ethyl-hexyl)-phthalate (µg/L)
AY-68-27-517	01/24/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-518	04/10/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-5FS	01/13/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-5FS	01/18/07	<0.22	<0.21	<0.20	<0.11	<0.17	<0.14	<0.33	<0.55	<2.00
AY-68-27-9NL	01/19/07	<0.22	<0.21	<0.20	<0.11	<0.17	<0.14	<0.33	<0.55	<2.00
AY-68-27-5PS	01/12/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-5PS	01/18/07	<0.22	<0.21	<0.20	<0.11	<0.17	<0.14	<0.33	<0.55	<2.00
AY-68-27-8SM	01/13/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-8SM	01/19/07	<0.22	<0.21	<0.20	<0.11	<0.17	<0.14	<0.33	<0.55	<2.00
AY-68-27-5SR	01/12/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-5SR	01/18/07	<0.22	<0.21	<0.20	<0.11	<0.17	<0.14	<0.33	<0.55	<2.00
AY-68-27-5VU	01/12/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-8ZC	01/13/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-8ZC	01/18/07	<0.22	<0.21	<0.20	<0.11	<0.17	<0.14	<0.33	<0.55	<2.00
AY-68-27-5ZM	01/12/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-5ZM	01/19/07	<0.22	<0.21	<0.20	<0.11	<0.17	<0.14	<0.33	<0.55	<2.00
DX-68-23-304	03/07/07	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77

Table C-7. (cont.) Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	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-naph-thalene (µg/L)	2-Chloro-phenol (µg/L)	4-Chloro-phenyl phenyl ether (µg/L)	Chrysene (µg/L)	Cresols (total) (µg/L)
AY-68-27-517	01/24/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-28-518	04/10/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-5FS	01/13/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-5FS	01/18/07	<0.19	<2.00	<0.15	<0.15	<0.24	<0.15	<0.21	<0.20	<2.00
AY-68-27-9NL	01/19/07	<0.19	<2.00	<0.15	<0.15	<0.24	<0.15	<0.21	<0.20	<2.00
AY-68-27-5PS	01/12/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-5PS	01/18/07	<0.19	<2.00	<0.15	<0.15	<0.24	<0.15	<0.21	<0.20	<2.00
AY-68-27-8SM	01/13/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-8SM	01/19/07	<0.19	<2.00	<0.15	<0.15	<0.24	<0.15	<0.21	<0.20	<2.00
AY-68-27-5SR	01/12/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-5SR	01/18/07	<0.19	<2.00	<0.15	<0.15	<0.24	<0.15	<0.21	<0.20	<2.00
AY-68-27-5VU	01/12/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-8ZC	01/13/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-8ZC	01/18/07	<0.19	<2.00	<0.15	<0.15	<0.24	<0.15	<0.21	<0.20	<2.00
AY-68-27-5ZM	01/12/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02
AY-68-27-5ZM	01/19/07	<0.19	<2.00	<0.15	<0.15	<0.24	<0.15	<0.21	<0.20	<2.00
DX-68-23-304	03/07/07	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.06	<1.01	<2.02

Table C-7. (cont.) Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Hexa-chloro-cyclopenta-diene (µg/L)	Hexa-chloro-ethane (µg/L)	Indeno-(1,2,3-cd) pyrene (µg/L)	Isophorone (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-68-27-517	01/24/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-28-518	04/10/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-5FS	01/13/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-5FS	01/18/07	<0.21	<0.22	<0.16	<0.14	<0.20	<0.21	<0.20	<0.15	<0.22
AY-68-27-9NL	01/19/07	<0.21	<0.22	<0.16	<0.14	<0.20	<0.21	<0.20	<0.15	<0.22
AY-68-27-5PS	01/12/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-5PS	01/18/07	<0.21	<0.22	<0.16	<0.14	<0.20	<0.21	<0.20	<0.15	<0.22
AY-68-27-8SM	01/13/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-8SM	01/19/07	<0.21	<0.22	<0.16	<0.14	<0.20	<0.21	<0.20	<0.15	<0.22
AY-68-27-5SR	01/12/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-5SR	01/18/07	<0.21	<0.22	<0.16	<0.14	<0.20	<0.21	<0.20	<0.15	<0.22
AY-68-27-5VU	01/12/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-8ZC	01/13/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-8ZC	01/18/07	<0.21	<0.22	<0.16	<0.14	<0.20	<0.21	<0.20	<0.15	<0.22
AY-68-27-5ZM	01/12/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11
AY-68-27-5ZM	01/19/07	<0.21	<0.22	<0.16	<0.14	<0.20	<0.21	<0.20	<0.15	<0.22
DX-68-23-304	03/07/07	<0.81	<1.03	<1.12	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11

Table C-7. (cont.) Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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-68-27-517	01/24/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-28-518	04/10/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-5FS	01/13/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-5FS	01/18/07	<1.00	<0.20	<2.00	<0.52	<0.20	<0.18	<2.00	<0.19	<0.07
AY-68-27-9NL	01/19/07	<1.00	<0.20	<2.00	<0.52	<0.20	<0.18	<2.00	<0.19	<0.07
AY-68-27-5PS	01/12/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-5PS	01/18/07	<1.00	<0.20	<2.00	<0.52	<0.20	<0.18	<2.00	<0.19	<0.07
AY-68-27-8SM	01/13/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-8SM	01/19/07	<1.00	<0.20	<2.00	<0.52	<0.20	<0.18	<2.00	<0.19	<0.07
AY-68-27-5SR	01/12/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-5SR	01/18/07	<1.00	<0.20	<2.00	<0.52	<0.20	<0.18	<2.00	<0.19	<0.07
AY-68-27-5VU	01/12/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-8ZC	01/13/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-8ZC	01/18/07	<1.00	<0.20	<2.00	<0.52	<0.20	<0.18	<2.00	<0.19	<0.07
AY-68-27-5ZM	01/12/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37
AY-68-27-5ZM	01/19/07	<1.00	<0.20	<2.00	<0.52	<0.20	<0.18	<2.00	<0.19	<0.07
DX-68-23-304	03/07/07	<1.20	<5.00	<0.99	<2.59	<0.98	<0.91	<1.10	<0.86	<0.37

Table C-7. (cont.) Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	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)	Hexa-chloro-benzene (µg/L)
AY-68-27-517	01/24/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-28-518	04/10/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-5FS	01/13/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-5FS	01/18/07	<2.00	<0.24	<0.02	<0.22	<0.24	<0.24	<0.23	<0.20	<0.25
AY-68-27-9NL	01/19/07	<2.00	<0.24	<0.02	<0.22	<0.24	<0.24	<0.23	<0.20	<0.25
AY-68-27-5PS	01/12/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-5PS	01/18/07	<2.00	<0.24	<0.02	<0.22	<0.24	<0.24	<0.23	<0.20	<0.25
AY-68-27-8SM	01/13/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-8SM	01/19/07	<2.00	<0.24	<0.02	<0.22	<0.24	<0.24	<0.23	<0.20	<0.25
AY-68-27-5SR	01/12/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-5SR	01/18/07	<2.00	<0.24	<0.02	<0.22	<0.24	<0.24	<0.23	<0.20	<0.25
AY-68-27-5VU	01/12/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-8ZC	01/13/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-8ZC	01/18/07	<2.00	<0.24	<0.02	<0.22	<0.24	<0.24	<0.23	<0.20	<0.25
AY-68-27-5ZM	01/12/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
AY-68-27-5ZM	01/19/07	<2.00	<0.24	<0.02	<0.22	<0.24	<0.24	<0.23	<0.20	<0.25
DX-68-23-304	03/07/07	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01

Table C-7. (cont.) Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	4-Nitro-aniline (µg/L)	Nitro-benzene (µg/L)	2-Nitro-phenol (µg/L)	4-Nitro-phenol (µg/L)	n-Nitro-sodiethyl-amine (µg/L)	n-Nitro-sodimeth yl-amine (µg/L)	n-Nitro-sodi-n-propyl-amine (µg/L)	n-Nitro-sodiphen ylamine (µg/L)	Penta-chloro-benzene (µg/L)
AY-68-27-517	01/24/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-28-518	04/10/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-5FS	01/13/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-5FS	01/18/07	<0.24	<0.21	<0.23	<0.04	<1.49	<0.37	<0.40	<0.19	<0.26
AY-68-27-9NL	01/19/07	<0.24	<0.21	<0.23	<0.04	<1.49	<0.37	<0.40	<0.19	<0.26
AY-68-27-5PS	01/12/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-5PS	01/18/07	<0.24	<0.21	<0.23	<0.04	<1.49	<0.37	<0.40	<0.19	<0.26
AY-68-27-8SM	01/13/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-8SM	01/19/07	<0.24	<0.21	<0.23	<0.04	<1.49	<0.37	<0.40	<0.19	<0.26
AY-68-27-5SR	01/12/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-5SR	01/18/07	<0.24	<0.21	<0.23	<0.04	<1.49	<0.37	<0.40	<0.19	<0.26
AY-68-27-5VU	01/12/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-8ZC	01/13/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-8ZC	01/18/07	<0.24	<0.21	<0.23	<0.04	<1.49	<0.37	<0.40	<0.19	<0.26
AY-68-27-5ZM	01/12/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05
AY-68-27-5ZM	01/19/07	<0.24	<0.21	<0.23	<0.04	<1.49	<0.37	<0.40	<0.19	<0.26
DX-68-23-304	03/07/07	<1.21	<0.65	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05

Table C-7. (cont.) Analytical Data for Semivolatile (SVOC) Organic Compounds from Wells Completed in the Edwards Aquifer, 2007

State Well Number	Date Sampled	Phenan-threne (µg/L)	Phenol (µg/L)	Pyrene (µg/L)	Pyridine (µg/L)	2,4,5-Trichloro-phenol (µg/L)	2,4,6-Trichloro-phenol (µg/L)
AY-68-27-517	01/24/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-28-518	04/10/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-5FS	01/13/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-5FS	01/18/07	<0.05	<0.46	<0.10	<0.40	<0.28	<0.23
AY-68-27-9NL	01/19/07	<0.05	<0.46	<0.10	<0.40	<0.28	<0.23
AY-68-27-5PS	01/12/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-5PS	01/18/07	<0.05	<0.46	<0.10	<0.40	<0.28	<0.23
AY-68-27-8SM	01/13/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-8SM	01/19/07	<0.05	<0.46	<0.10	<0.40	<0.28	<0.23
AY-68-27-5SR	01/12/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-5SR	01/18/07	<0.05	<0.46	<0.10	<0.40	<0.28	<0.23
AY-68-27-5VU	01/12/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-8ZC	01/13/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-8ZC	01/18/07	<0.05	<0.46	<0.10	<0.40	<0.28	<0.23
AY-68-27-5ZM	01/12/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16
AY-68-27-5ZM	01/19/07	<0.05	<0.46	<0.10	<0.40	<0.28	<0.23
DX-68-23-304	03/07/07	<0.96	<0.27	<2.28	<0.51	<1.42	<1.16

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, 2007

County	Station Name	Date Sampled	Time Sampled	Water Temp (deg C)	Field Conductivity (µS/cm)	Field pH (std units)	Field Dissolved Oxygen (mg/L)	Field Alkalinity (mg/L)	Turbidity (NTU)
Bexar	San Pedro Springs	01/11/07	8:40	26.02	595	6.23	6.05	215	0.33
Bexar	San Pedro Springs	02/08/07	8:55	26.50	605	7.41	7.38	214	0.23
Bexar	San Pedro Springs	03/08/07	8:35	22.30	518	7.03	NA	220	0.26
Bexar	San Pedro Springs	04/05/07	9:20	23.80	554	7.12	NA	227	0.25
Bexar	San Pedro Springs	05/10/07	9:30	23.90	538	6.43	NA	222	0.26
Bexar	San Pedro Springs	06/14/07	8:20	23.90	528	6.43	NA	218	0.31
Bexar	San Pedro Springs	12/13/07	8:35	23.60	518	7.30	NA	205	0.12
Bexar	San Antonio Springs	04/05/07	10:25	23.80	494	7.20	NA	216	1.07
Bexar	San Antonio Springs	05/10/07	10:15	24.10	504	6.69	NA	213	0.29
Bexar	San Antonio Springs	06/14/07	9:10	24.20	494	6.66	NA	210	0.49
Bexar	San Antonio Springs	12/13/07	9:40	24.20	400	7.31	NA	203	0.14
Hays	San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	9:40	24.58	693	6.92	5.92	272	0.28
Hays	San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	9:30	21.68	593	7.28	5.23	264	0.19
Hays	San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	9:30	21.60	593	7.17	NA	264	0.01
Hays	San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	10:50	21.00	606	6.98	NA	265	0.10
Hays	San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	9:15	21.50	602	6.60	NA	275	0.08
Hays	San Marcos Springs-Hotel (LR-67-01-801)	06/11/07	11:20	21.70	602	6.57	NA	248	0.13
Hays	San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	9:40	21.60	587	7.11	NA	276	0.22
Comal	Comal Springs #7	01/10/07	9:50	23.00	595	6.95	4.67	236	0.06
Comal	Comal Springs #7	02/07/07	10:20	23.70	712	7.43	7.07	251	0.12
Comal	Comal Springs #7	03/06/07	10:00	22.90	566	7.18	NA	239	0.45
Comal	Comal Springs #7	04/04/07	11:20	23.70	563	6.92	NA	245	0.08

Table C-8. (cont.) 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, 2007

County	Station Name	Date Sampled	Time Sampled	Water Temp (deg C)	Field Conductivity (μS/cm)	Field pH (std units)	Field Dissolved Oxygen (mg/L)	Field Alkalinity (mg/L)	Turbidity (NTU)
Comal	Comal Springs #7	05/09/07	10:05	23.8	566	6.62	NA	241	0.31
Comal	Comal Springs #7	06/13/07	10:15	26.1	564	7.05	NA	237	0.22
Comal	Comal Springs #7	12/12/07	11:00	23.6	573	NA	NA	240	0.30
Hays	San Marcos Springs-Deep (LR-67-01-819)	01/08/07	10:20	18.93	681	7.37	6.45	273	1.17
Hays	San Marcos Springs-Deep (LR-67-01-819)	02/13/07	10:25	22.15	739	NA	7.10	279	0.16
Hays	San Marcos Springs-Deep (LR-67-01-819)	03/05/07	10:35	21.9	626	7.18	NA	287	0.10
Hays	San Marcos Springs-Deep (LR-67-01-819)	04/02/07	10:15	22.8	624	7.02	NA	267	0.10
Hays	San Marcos Springs-Deep (LR-67-01-819)	05/08/07	10:25	23.4	622	6.66	NA	283	0.17
Hays	San Marcos Springs-Deep (LR-67-01-819)	06/11/07	13:15	24.6	614	6.85	NA	270	0.47
Hays	San Marcos Springs-Deep (LR-67-01-819)	12/07/07	—	22.7	625	7.15	NA	283	0.66
Comal	Comal Springs#1 (DX-68-23-301)	01/10/07	9:05	22.73	600	6.79	5.77	246	0.06
Comal	Comal Springs#1 (DX-68-23-301)	02/07/07	9:25	23.22	716	7.37	7.60	246	0.06
Comal	Comal Springs#1 (DX-68-23-301)	03/05/07	8:45	23.1	568	7.13	NA	249	0.13
Comal	Comal Springs#1 (DX-68-23-301)	04/04/07	10:25	23.3	567	6.92	NA	251	0.07
Comal	Comal Springs#1 (DX-68-23-301)	05/09/07	8:45	23.3	566	6.62	NA	251	0.06
Comal	Comal Springs#1 (DX-68-23-301)	06/13/07	9:15	23.3	566	6.56	NA	242	0.05
Comal	Comal Springs#1 (DX-68-23-301)	12/12/07	9:25	23.0	563	NA	NA	248	0.14
Comal	Hueco Springs A (DX-68-15-901)	01/09/07	10:00	19.99	677	7.22	5.92	262	0.13
Comal	Hueco Springs A (DX-68-15-901)	02/06/07	9:40	20.38	801	7.07	6.96	279	1.60
Comal	Hueco Springs A (DX-68-15-901)	03/06/07	8:55	20.5	637	7.03	NA	274	0.23
Comal	Hueco Springs A (DX-68-15-901)	04/03/07	9:40	20.8	541	6.85	NA	249	5.22
Comal	Hueco Springs A (DX-68-15-901)	05/08/07	11:25	21.1	572	6.53	NA	262	0.06
Comal	Hueco Springs A (DX-68-15-901)	06/12/07	10:20	22.0	591	6.42	NA	270	6.86
Comal	Hueco Springs A (DX-68-15-901)	12/11/07	9:05	21.4	601	7.03	NA	273	2.27

Table C-8. (cont.) 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, 2007

County	Station Name	Date Sampled	Time Sampled	Water Temp (deg C)	Field Conductivity (µS/cm)	Field pH (std units)	Field Dissolved Oxygen (mg/L)	Field Alkalinity (mg/L)	Turbidity (NTU)
Comal	Comal Springs #3	01/09/07	10:45	22.77	632	6.68	5.84	250	0.14
Comal	Comal Springs #3	02/06/07	10:20	23.10	695	7.36	5.34	249	0.10
Comal	Comal Springs #3	03/06/07	9:25	23.30	567	7.10	NA	248	0.33
Comal	Comal Springs #3	04/03/07	8:55	23.30	568	6.91	NA	243	0.09
Comal	Comal Springs #3	05/09/07	9:10	23.40	566	6.63	NA	250	0.32
Comal	Comal Springs #3	06/13/07	9:45	23.40	566	6.62	NA	239	0.16
Comal	Comal Springs #3	12/12/07	9:55	23.00	565	7.77	NA	241	0.17

County	Station Name	Date Sampled	Time Sampled	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)
Bexar	San Pedro Springs	01/11/07	8:40	140	8
Bexar	San Pedro Springs	02/08/07	8:55	114	4
Bexar	San Pedro Springs	03/08/07	8:35	4	73
Bexar	San Pedro Springs	04/05/07	9:20	190	63
Bexar	San Pedro Springs	05/10/07	9:30	186	19
Bexar	San Pedro Springs	06/14/07	8:20	40	<2
Bexar	San Pedro Springs	12/13/07	8:35	40	8
Bexar	San Antonio Springs	04/05/07	10:25	7	5
Bexar	San Antonio Springs	05/10/07	10:15	<2	<2
Bexar	San Antonio Springs	06/14/07	9:10	4	<2
Bexar	San Antonio Springs	12/13/07	9:40	<2	<2
Hays	San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	9:40	16	8
Hays	San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	9:30	2	2
Hays	San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	9:30	4	<2

Table C-8. (cont.) 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, 2007

County	Station Name	Date Sampled	Time Sampled	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)
Hays	San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	10:50	<2	5
Hays	San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	9:15	<2	<2
Hays	San Marcos Springs-Hotel (LR-67-01-801)	06/11/07	11:20	<2	<2
Hays	San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	9:40	14	6
Hays	San Marcos Springs-Deep (LR-67-01-819)	01/08/07	10:20	<2	<1
Hays	San Marcos Springs-Deep (LR-67-01-819)	02/13/07	10:25	<2	2
Hays	San Marcos Springs-Deep (LR-67-01-819)	03/05/07	10:35	2	<2
Hays	San Marcos Springs-Deep (LR-67-01-819)	04/02/07	10:15	<2	<2
Hays	San Marcos Springs-Deep (LR-67-01-819)	05/08/07	10:25	<2	<2
Hays	San Marcos Springs-Deep (LR-67-01-819)	06/11/07	13:15	<2	<2
Hays	San Marcos Springs-Deep (LR-67-01-819)	12/07/07		NA	NA
Comal	Comal Springs #7	01/10/07	9:50	24	<2
Comal	Comal Springs #7	02/07/07	10:20	<2	<2
Comal	Comal Springs #7	03/06/07	10:00	<2	2
Comal	Comal Springs #7	04/04/07	11:20	<2	2
Comal	Comal Springs #7	05/09/07	10:05	<2	4
Comal	Comal Springs #7	06/13/07	10:15	<2	20
Comal	Comal Springs #7	12/12/07	11:00	4	<2
Comal	Comal Springs#1 (DX-68-23-301)	01/10/07	9:05	44	<2
Comal	Comal Springs#1 (DX-68-23-301)	02/07/07	9:25	<2	<2
Comal	Comal Springs#1 (DX-68-23-301)	03/05/07	8:45	1	<2
Comal	Comal Springs#1 (DX-68-23-301)	04/04/07	10:25	<2	<2
Comal	Comal Springs#1 (DX-68-23-301)	05/09/07	8:45	<2	<2

Table C-8. (cont.) 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, 2007

County	Station Name	Date Sampled	Time Sampled	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)
Comal	Comal Springs#1 (DX-68-23-301)	06/13/07	9:15	<2	8
Comal	Comal Springs#1 (DX-68-23-301)	12/12/07	9:25	<2	<2
Comal	Comal Springs #3	01/09/07	10:45	5	<2
Comal	Comal Springs #3	02/06/07	10:20	<2	27
Comal	Comal Springs #3	03/06/07	9:25	<2	<2
Comal	Comal Springs #3	04/03/07	8:55	5	15
Comal	Comal Springs #3	05/09/07	9:10	<2	2
Comal	Comal Springs #3	06/13/07	9:45	<2	4
Comal	Comal Springs #3	12/12/07	9:55	2	<2
Comal	Hueco Springs A (DX-68-15-901)	01/09/07	10:00	48	36
Comal	Hueco Springs A (DX-68-15-901)	02/06/07	9:40	15	12
Comal	Hueco Springs A (DX-68-15-901)	03/06/07	8:55	24	21
Comal	Hueco Springs A (DX-68-15-901)	04/03/07	9:40	300	260
Comal	Hueco Springs A (DX-68-15-901)	05/08/07	11:25	92	250
Comal	Hueco Springs A (DX-68-15-901)	06/12/07	10:20	8	32
Comal	Hueco Springs A (DX-68-15-901)	12/11/07	9:05	2	<2

Table C-8. (cont.) 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, 2007

County	Station Name	Date Sampled	Time Sampled	Water Temp (deg C)	Field Conductivity (mS/cm)	Field pH (std units)	Field Alkalinity (mg/L)	Turbidity (NTU)
Uvalde	Dry Frio River at Reagan Wells [8196000]	05/02/07	8:30	NA	NA	NA	164	NA
Uvalde	Dry Frio River at Reagan Wells [8196000]	11/08/07	9:00	18.2	441	7.43	202	0.36
Uvalde	Frio River at Concan [8195000]	05/02/07	10:00	NA	NA	NA	181	NA
Uvalde	Frio River at Concan [8195000]	11/08/07	9:20	25.0	466	7.54	203	0.50
Uvalde	Nueces River at Laguna [8190000]	05/01/07	13:00	NA	NA	NA	NA	NA
Uvalde	Nueces River at Laguna [8190000]	11/07/07	13:20	19.5	441	8.19	191	0.61
Uvalde	Sabinal River near Sabinal [8198000]	05/02/07	11:30	NA	NA	NA	182	NA
Uvalde	Sabinal River near Sabinal [8198000]	11/08/07	10:10	18.0	501	7.70	219	0.56
Medina	Hondo Creek near Tarpley [8200000]	05/03/07	9:30	25.0	452	7.70	197	4.90
Medina	Hondo Creek near Tarpley [8200000]	11/09/07	10:45	18.0	510	8.16	198	0.18
Medina	Medina River at Bandera [8178880]	05/04/07	10:30	21.6	534	7.68	205	8.66
Medina	Medina River at Bandera [8178880]	11/05/07	10:15	19.0	589	6.63	210	0.66
Medina	Seco Creek at Miller Ranch [8201500]	05/02/07	14:10	21.8	374	7.37	189	4.96
Medina	Seco Creek at Miller Ranch [8201500]	11/08/07	13:30	21.1	439	8.25	178	0.59
Hays	Blanco River at Wimberley [8171000]	05/07/07	10:00	22.7	508	7.60	236	1.98
Hays	Blanco River at Wimberley [8171000]	11/06/07	10:30	20.4	502	8.25	214	0.69

Table C-8. (cont.) 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, 2007

County	Station Name	Date Sampled	Time Sampled	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)
Uvalde	Dry Frio River at Reagan Wells [8196000]	05/02/07	8:30	40	83
Uvalde	Dry Frio River at Reagan Wells [8196000]	11/08/07	9:00	28	59
Uvalde	Frio River at Concan [8195000]	05/02/07	10:00	180	171
Uvalde	Frio River at Concan [8195000]	11/08/07	9:20	42	72
Uvalde	Nueces River at Laguna [8190000]	05/01/07	13:00	TNTC	TNTC
Uvalde	Nueces River at Laguna [8190000]	11/07/07	13:20	22	2
Uvalde	Sabinal River near Sabinal [8198000]	05/02/07	11:30	364	>364
Uvalde	Sabinal River near Sabinal [8198000]	11/08/07	10:10	46	120
Medina	Hondo Creek near Tarpley [8200000]	05/03/07	9:30	590	570
Medina	Hondo Creek near Tarpley [8200000]	11/09/07	10:45	46	640
Medina	Medina River at Bandera [8178880]	05/04/07	10:30	810	1100
Medina	Medina River at Bandera [8178880]	11/05/07	10:15	140	83
Medina	Seco Creek at Miller Ranch [8201500]	05/02/07	14:10	TNTC	100
Medina	Seco Creek at Miller Ranch [8201500]	11/08/07	13:30	15	120
Hays	Blanco River at Wimberley [8171000]	05/07/07	10:00	160	450
Hays	Blanco River at Wimberley [8171000]	11/06/07	10:30	120	51

NR = Not Recorded
NA = Not Analyzed
( ) = State Well Number
[ ] = USGS Gauge Number
TNTC = too numerous to count

Table C-9. Analytical Data for Major Ions from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	110.0	17.10	24.8	1.51	18.4	15.5	0.089	20.0	259
San Antonio Springs	05/10/07	87.9	19.40	19.8	1.58	17.4	17.6	<0.500	15.0	40
San Antonio Springs	12/13/07	128.0	20.90	29.6	1.85	17.4	15.7	<0.500	8.4	196
San Pedro Springs	01/11/07	67.6	9.94	15.6	1.49	18.0	17.3	0.124	14.0	322
San Pedro Springs	02/08/07	75.4	10.80	15.9	1.13	19.4	18.8	0.071	12.0	302
San Pedro Springs	03/08/07	94.8	11.00	16.2	1.17	18.4	17.8	0.112	19.0	258
San Pedro Springs	04/05/07	129.0	22.10	27.0	1.61	22.1	19.6	0.063	23.0	195
San Pedro Springs	05/10/07	103.0	21.40	18.2	1.36	20.2	23.3	0.201	16.0	322
San Pedro Springs	12/13/07	109.0	17.70	24.0	1.58	18.1	17.7	<0.500	8.5	216
Comal Springs #3	01/09/07	84.3	10.40	17.4	1.84	17.2	22.8	<0.500	15.0	334
Comal Springs #3	02/06/07	90.2	10.80	17.8	1.39	16.3	24.1	0.071	13.0	332
Comal Springs #3	04/03/07	131.0	19.00	25.7	1.61	16.6	22.6	<0.500	20.0	309
Comal Springs #3	05/09/07	109.0	21.00	21.3	1.89	16.3	24.9	0.209	16.0	316
Comal Springs #3	12/12/07	133.0	18.10	26.0	1.90	15.9	23.4	<0.500	8.0	150
Comal Springs #7	01/10/07	78.6	10.40	17.2	1.69	16.2	23.1	0.139	14.0	348
Comal Springs #7	02/07/07	86.3	10.90	17.5	1.36	17.2	24.1	0.094	12.0	272
Comal Springs #7	04/04/07	126.0	19.30	26.1	1.67	17.2	22.8	0.078	20.0	325
Comal Springs #7	05/09/07	109.0	20.80	20.5	2.00	16.0	25.4	0.222	15.0	314
Comal Springs #7	12/12/07	132.0	20.00	27.8	1.95	17.1	24.0	<0.500	8.8	158
Comal Springs#1 (DX-68-23-301)	01/10/07	81.8	10.00	17.0	1.90	15.2	22.6	0.134	14.0	346
Comal Springs#1 (DX-68-23-301)	02/07/07	96.5	11.20	18.4	1.42	15.8	23.6	0.071	13.0	322
Comal Springs#1 (DX-68-23-301)	03/05/07	103.0	13.70	20.0	1.37	16.0	23.7	0.105	17.0	288
Comal Springs#1 (DX-68-23-301)	04/04/07	152.0	22.60	29.7	1.89	16.0	22.2	0.069	23.0	316
Comal Springs#1 (DX-68-23-301)	05/09/07	114.0	17.50	17.9	1.58	15.8	24.8	0.222	15.0	314
Comal Springs#1 (DX-68-23-301)	12/12/07	126.0	18.80	25.5	2.17	15.9	23.4	<0.500	8.7	164
Hueco Springs A (DX-68-15-901)	01/09/07	92.6	10.70	19.2	1.82	17.0	30.2	<0.500	12.0	312

Table C-9. (cont.) Analytical Data for Major Ions from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)	02/06/07	116.0	10.70	15.00	1.37	19.50	28.80	0.035	11.0	388
Hueco Springs A (DX-68-15-901)	04/03/07	136.0	13.60	12.90	1.71	13.40	16.60	0.032	14.0	312
Hueco Springs A (DX-68-15-901)	05/08/07	123.0	16.30	11.30	1.70	17.70	24.00	<0.500	12.0	324
Hueco Springs A (DX-68-15-901)	12/11/07	172.0	17.20	21.10	2.18	13.00	19.60	<0.500	7.6	380
Hueco Springs B	03/13/07	113.0	9.05	15.80	1.35	15.30	30.50	0.093	15.0	354
Hueco Springs B	04/03/07	146.0	14.50	13.90	1.88	13.40	16.80	<0.500	15.0	315
Hueco Springs B	12/11/07	166.0	16.60	20.40	2.23	13.00	19.80	<0.500	7.2	452
Blanco River at Wimberley [8171000]	05/07/07	105.0	12.70	15.50	1.89	11.50	22.00	0.164	9.1	298
Blanco River at Wimberley [8171000]	11/05/07	138.0	17.10	35.50	2.36	10.10	25.80	<0.500	9.4	344
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	91.8	12.50	17.30	1.98	22.50	26.40	0.110	14.0	358
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	100.0	12.00	17.10	1.35	20.00	26.40	<0.500	12.0	332
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	127.0	17.10	22.00	1.46	20.00	26.20	0.040	18.0	338
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	118.0	15.70	20.80	1.43	19.50	23.80	<0.500	15.0	345
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	121.0	20.80	19.20	1.71	20.50	26.30	0.211	15.0	358
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	154.0	21.60	27.00	1.97	17.20	23.40	<0.500	9.2	390
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	93.1	11.00	20.10	1.92	17.90	24.40	0.003	14.0	358
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	96.0	10.90	20.70	1.49	16.80	27.00	0.067	12.0	340
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	118.0	14.60	25.40	1.56	16.70	26.80	<0.500	17.0	306
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	132.0	19.60	28.60	1.88	17.70	26.30	<0.500	17.0	341
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	109.0	18.60	22.70	1.75	17.20	27.00	0.212	13.0	324
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	148.0	22.40	32.60	2.12	15.90	22.40	<0.500	9.6	266
Las Moras Springs (RP-70-45-501)	10/23/07	105.0	6.52	8.18	0.80	7.50	6.94	<0.500	8.2	352
Pinto Springs at Mariposa Ranch	10/16/07	137.0	7.90	3.75	0.86	11.10	6.33	<0.500	10.0	346
Hondo Creek near Tarpley [8200000]	05/03/07	105.0	6.80	11.20	1.72	6.77	32.30	0.212	14.0	320
Hondo Creek near Tarpley [8200000]	11/09/07	116.0	17.40	16.50	1.72	12.90	33.10	<0.500	12.0	406
Medina River at Bandera [8178880]	05/04/07	131.0	11.30	13.70	1.50	15.60	24.20	0.147	13.0	350
Medina River at Bandera [8178880]	05/04/07	107.0	10.20	16.70	2.26	8.17	22.00	0.222	10.0	352

Table C-9. (cont.) Analytical Data for Major Ions from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Medina River at Bandera [8178880]	11/06/07	162.0	15.60	37.1	2.46	9.43	60.00	<0.500	11.0	400
Seco Creek at Miller Ranch [8201500]	05/02/07	100.0	7.12	11.7	1.49	6.83	24.00	0.140	15.0	298
Seco Creek at Miller Ranch [8201500]	11/08/07	104.0	20.30	17.9	1.50	14.40	36.10	<0.500	11.0	430
Dry Frio River at Reagan Wells [8196000]	05/02/07	68.0	6.93	15.1	1.04	8.40	13.60	0.085	12.0	230
Dry Frio River at Reagan Wells [8196000]	11/08/07	90.4	9.46	19.0	0.70	<0.50	<0.50	<0.500	7.6	422
Frio River at Concan [8195000]	05/02/07	81.7	9.33	18.2	1.33	9.15	14.80	0.101	14.0	244
Frio River at Concan [8195000]	11/08/07	99.8	11.00	21.9	1.14	10.30	15.00	<0.500	11.0	416
Nueces River at Laguna [8190000]	05/01/07	70.7	8.29	16.9	1.36	9.43	12.20	0.121	14.0	202
Nueces River at Laguna [8190000]	11/07/07	95.4	12.80	22.1	1.18	12.50	11.90	<0.500	10.0	346
Sabinal River near Sabinal [8198000]	05/02/07	81.7	7.75	11.8	2.10	7.40	15.00	0.121	13.0	226
Sabinal River near Sabinal [8198000]	11/08/07	120.0	12.20	20.9	1.36	10.20	20.80	<0.500	12.0	350

NA = Not Analyzed

Table C-10. Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bromide (mg/L)	Cadmium (µg/L)
San Antonio Springs	04/05/07	<0.220	<0.84	<0.73	54.7	<0.84	0.022	<0.65
San Antonio Springs	05/10/07	1.050	<0.84	<0.73	44.2	<0.84	<0.002	<0.65
San Antonio Springs	12/13/07	0.857	<0.84	<0.73	51.6	<0.84	0.089	<0.65
San Pedro Springs	01/11/07	<0.220	<0.84	<0.73	44.1	<0.84	0.073	<0.65
San Pedro Springs	02/08/07	<0.220	<0.84	<0.73	43.9	<0.84	0.025	<0.65
San Pedro Springs	03/08/07	<0.220	<0.84	<0.73	45.5	<0.84	0.024	<0.65
San Pedro Springs	04/05/07	0.260	<0.84	<0.73	47.3	<0.84	0.021	<0.65
San Pedro Springs	05/10/07	0.770	<0.84	<0.73	45.6	<0.84	0.099	<0.65
San Pedro Springs	12/13/07	<0.220	<0.84	<0.73	52.5	<0.84	0.093	<0.65
Comal Springs #3	01/09/07	<0.220	<0.84	<0.73	49.0	<0.84	0.081	<0.65
Comal Springs #3	02/06/07	<0.220	<0.84	<0.73	47.3	<0.84	0.042	<0.65
Comal Springs #3	04/03/07	<0.220	<0.84	<0.73	50.9	<0.84	<0.002	<0.65
Comal Springs #3	05/09/07	0.490	<0.84	<0.73	46.6	<0.84	0.095	<0.65
Comal Springs #3	12/12/07	<0.220	<0.84	<0.73	60.8	<0.84	0.099	<0.65
Comal Springs #7	01/10/07	<0.220	<0.84	<0.73	49.4	<0.84	0.083	<0.65
Comal Springs #7	02/07/07	<0.220	<0.84	<0.73	53.4	<0.84	0.045	<0.65
Comal Springs #7	04/04/07	<0.220	<0.84	<0.73	56.0	<0.84	0.037	<0.65
Comal Springs #7	05/09/07	0.900	<0.84	<0.73	51.1	<0.84	0.092	<0.65
Comal Springs #7	12/12/07	<0.220	<0.84	<0.73	60.7	<0.84	0.104	<0.65
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.220	<0.84	<0.73	50.2	<0.84	0.079	<0.65
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.220	<0.84	<0.73	46.7	<0.84	0.044	<0.65
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.220	<0.84	<0.73	48.7	<0.84	0.028	<0.65
Comal Springs#1 (DX-68-23-301)	04/04/07	1.190	<0.84	<0.73	53.2	<0.84	0.032	<0.65
Comal Springs#1 (DX-68-23-301)	05/09/07	0.720	<0.84	<0.73	46.2	<0.84	0.106	<0.65
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.220	<0.84	<0.73	56.4	<0.84	0.100	<0.65
Hueco Springs A (DX-68-15-901)	01/09/07	<0.220	<0.84	<0.73	32.6	<0.84	0.142	<0.65

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bromide (mg/L)	Cadmium (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.220	<0.84	<0.73	30.9	<0.84	0.031	<0.65
Hueco Springs A (DX-68-15-901)	04/03/07	<0.220	<0.84	<0.73	28.5	<0.84	<0.002	<0.65
Hueco Springs A (DX-68-15-901)	05/08/07	0.530	<0.84	<0.73	29.4	<0.84	0.078	<0.65
Hueco Springs A (DX-68-15-901)	12/11/07	1.120	<0.84	<0.73	41.7	<0.84	0.090	<0.65
Hueco Springs B	03/13/07	<0.220	<0.84	<0.73	34.0	<0.84	<0.002	<0.65
Hueco Springs B	04/03/07	<0.220	<0.84	<0.73	28.1	<0.84	<0.002	<0.65
Hueco Springs B	12/11/07	<0.220	<0.84	<0.73	45.4	<0.84	0.089	<0.65
Blanco River at Wimberley [8171000]	05/07/07	15.500	<0.84	<0.73	28.0	<0.84	<0.002	<0.65
Blanco River at Wimberley [8171000]	11/05/07	1.150	<0.84	<0.73	30.4	<0.84	0.074	<0.65
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.220	0.91	<0.73	33.5	<0.84	0.102	<0.65
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.220	<0.84	<0.73	35.9	<0.84	0.043	<0.65
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	0.810	<0.84	<0.73	38.8	<0.84	0.042	<0.65
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.220	<0.84	<0.73	36.6	<0.84	0.048	<0.65
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	0.480	<0.84	<0.73	36.9	<0.84	0.113	<0.65
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.220	1.17	<0.73	44.3	<0.84	0.107	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.220	<0.84	<0.73	37.4	<0.84	0.213	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.220	<0.84	<0.73	32.0	<0.84	0.065	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.220	<0.84	<0.73	34.8	<0.84	<0.002	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	0.350	<0.84	<0.73	33.5	<0.84	<0.002	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	0.430	<0.84	<0.73	32.3	<0.84	0.103	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	0.226	<0.84	<0.73	35.4	<0.84	0.114	<0.65
Las Moras Springs (RP-70-45-501)	10/23/07	0.361	<0.84	<0.73	37.7	<0.84	0.018	<0.65
Pinto Springs at Mariposa Ranch	10/16/07	0.786	<0.84	<0.73	58.4	<0.84	0.059	<0.65
Hondo Creek near Tarpley [8200000]	05/03/07	<0.220	<0.84	<0.73	25.9	<0.84	0.033	<0.65
Hondo Creek near Tarpley [8200000]	11/09/07	<0.220	0.90	<0.73	35.0	<0.84	0.085	<0.65
Medina River at Bandera [8178880]	05/04/07	0.940	<0.84	<0.73	30.4	<0.84	0.065	<0.65
Medina River at Bandera [8178880]	05/04/07	1.620	<0.84	<0.73	28.7	<0.84	0.031	<0.65

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bromide (mg/L)	Cadmium (µg/L)
Medina River at Bandera [8178880]	11/06/07	0.792	<0.84	<0.73	33.6	<0.84	0.061	<0.65
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.220	<0.84	<0.73	25.0	<0.84	<0.002	<0.65
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.220	<0.84	<0.73	28.0	<0.84	0.054	<0.65
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.220	<0.84	<0.73	34.8	<0.84	<0.002	<0.65
Dry Frio River at Reagan Wells [8196000]	11/08/07	1.260	<0.84	<0.73	36.3	<0.84	0.401	<0.65
Frio River at Concan [8195000]	05/02/07	<0.220	<0.84	<0.73	33.0	<0.84	0.042	<0.65
Frio River at Concan [8195000]	11/08/07	1.490	<0.84	<0.73	35.4	<0.84	0.054	<0.65
Nueces River at Laguna [8190000]	05/01/07	0.930	<0.84	<0.73	35.4	<0.84	<0.002	<0.65
Nueces River at Laguna [8190000]	11/07/07	3.020	<0.84	<0.73	39.2	<0.84	0.064	<0.65
Sabinal River near Sabinal [8198000]	05/02/07	0.480	<0.84	<0.73	27.3	<0.84	0.032	<0.65
Sabinal River near Sabinal [8198000]	11/08/07	3.750	<0.84	<0.73	36.0	<0.84	0.055	<0.65

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Chromium (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Nickel (µg/L)
San Antonio Springs	04/05/07	<1.17	<0.90	2.21	<0.84	<0.140	<1.14	0.680
San Antonio Springs	05/10/07	<1.17	<0.90	1.35	<0.84	<0.140	<1.14	1.090
San Antonio Springs	12/13/07	<1.17	<0.90	2.68	<0.84	0.508	<1.14	0.773
San Pedro Springs	01/11/07	<1.17	<0.90	<0.74	<0.84	<0.140	1.24	1.240
San Pedro Springs	02/08/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	0.810
San Pedro Springs	03/08/07	<1.17	1.05	2.54	<0.84	<0.140	<1.14	0.880
San Pedro Springs	04/05/07	<1.17	<0.90	1.30	<0.84	<0.140	<1.14	<0.620
San Pedro Springs	05/10/07	<1.17	<0.90	1.26	<0.84	0.600	<1.14	1.130
San Pedro Springs	12/13/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	<0.620
Comal Springs #3	01/09/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.680
Comal Springs #3	02/06/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	0.710
Comal Springs #3	04/03/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	0.820
Comal Springs #3	05/09/07	<1.17	<0.90	0.91	<0.84	<0.140	<1.14	1.260
Comal Springs #3	12/12/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	<0.620
Comal Springs #7	01/10/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.380
Comal Springs #7	02/07/07	<1.17	<0.90	<0.74	<0.84	0.190	<1.14	0.940
Comal Springs #7	04/04/07	<1.17	<0.90	1.13	<0.84	0.580	<1.14	0.960
Comal Springs #7	05/09/07	<1.17	<0.90	1.37	<0.84	0.270	<1.14	1.230
Comal Springs #7	12/12/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	<0.620
Comal Springs#1 (DX-68-23-301)	01/10/07	<1.17	<0.90	<0.74	<0.84	<0.140	2.15	1.550
Comal Springs#1 (DX-68-23-301)	02/07/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	0.890
Comal Springs#1 (DX-68-23-301)	03/05/07	<1.17	<0.90	1.91	<0.84	0.370	<1.14	0.970
Comal Springs#1 (DX-68-23-301)	04/04/07	<1.17	<0.90	1.79	<0.84	0.900	<1.14	0.950
Comal Springs#1 (DX-68-23-301)	05/09/07	<1.17	<0.90	2.49	<0.84	0.300	<1.14	1.240
Comal Springs#1 (DX-68-23-301)	12/12/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	<0.620
Hueco Springs A (DX-68-15-901)	01/09/07	<1.17	<0.90	2.22	<0.84	<0.140	1.72	1.970

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Chromium (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Nickel (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.220
Hueco Springs A (DX-68-15-901)	04/03/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.230
Hueco Springs A (DX-68-15-901)	05/08/07	<1.17	<0.90	1.28	<0.84	0.240	<1.14	1.730
Hueco Springs A (DX-68-15-901)	12/11/07	<1.17	<0.90	<0.74	<0.84	0.169	1.27	0.674
Hueco Springs B	03/13/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.340
Hueco Springs B	04/03/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.230
Hueco Springs B	12/11/07	<1.17	<0.90	<0.74	<0.84	<0.140	3.53	0.773
Blanco River at Wimberley [8171000]	05/07/07	<1.17	<0.90	8.35	<0.84	2.490	<1.14	1.550
Blanco River at Wimberley [8171000]	11/05/07	<1.17	<0.90	5.71	<0.84	1.040	<1.14	0.791
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<1.17	<0.90	<0.74	0.90	<0.140	1.17	1.910
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.120
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.060
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	0.860
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<1.17	<0.90	1.15	<0.84	<0.140	<1.14	1.300
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	0.639
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.760
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<1.17	<0.90	<0.74	<0.84	0.280	<1.14	1.140
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<1.17	<0.90	<0.74	<0.84	<0.140	<1.14	1.010
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<1.17	<0.90	0.79	<0.84	<0.140	<1.14	0.770
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<1.17	<0.90	0.92	<0.84	<0.140	<1.14	1.250
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<1.17	<0.90	<0.74	<0.84	0.142	<1.14	0.625
Las Moras Springs (RP-70-45-501)	10/23/07	<1.17	<0.90	2.20	<0.84	1.250	<1.14	1.660
Pinto Springs at Mariposa Ranch	10/16/07	<1.17	<0.90	2.29	<0.84	0.687	<1.14	<0.620
Hondo Creek near Tarpley [8200000]	05/03/07	<1.17	<0.90	2.35	<0.84	1.470	<1.14	1.160
Hondo Creek near Tarpley [8200000]	11/09/07	<1.17	<0.90	8.99	<0.84	0.329	<1.14	<0.620
Medina River at Bandera [8178880]	05/04/07	<1.17	<0.90	1.01	<0.84	<0.140	<1.14	1.390
Medina River at Bandera [8178880]	05/04/07	<1.17	<0.90	3.63	<0.84	4.060	<1.14	1.320

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Chromium (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Nickel (µg/L)
Medina River at Bandera [8178880]	11/06/07	<1.17	<0.900	4.830	<0.84	0.964	<1.14	<0.62
Seco Creek at Miller Ranch [8201500]	05/02/07	<1.17	<0.900	11.800	<0.84	1.540	<1.14	1.05
Seco Creek at Miller Ranch [8201500]	11/08/07	<1.17	<0.900	0.944	<0.84	0.299	<1.14	<0.62
Dry Frio River at Reagan Wells [8196000]	05/02/07	<1.17	<0.900	2.310	<0.84	0.380	<1.14	0.79
Dry Frio River at Reagan Wells [8196000]	11/08/07	<1.17	<0.900	2.640	<0.84	0.337	<1.14	<0.62
Frio River at Concan [8195000]	05/02/07	<1.17	<0.900	2.320	<0.84	0.820	<1.14	0.80
Frio River at Concan [8195000]	11/08/07	<1.17	0.983	13.500	<0.84	0.469	<1.14	<0.62
Nueces River at Laguna [8190000]	05/01/07	<1.17	<0.900	2.450	<0.84	0.490	<1.14	0.86
Nueces River at Laguna [8190000]	11/07/07	<1.17	<0.900	10.800	<0.84	0.294	<1.14	<0.62
Sabinal River near Sabinal [8198000]	05/02/07	<1.17	<0.900	4.350	<0.84	1.630	<1.14	0.87
Sabinal River near Sabinal [8198000]	11/08/07	<1.17	<0.900	23.700	<0.84	0.588	<1.14	<0.62

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)	Thallium (µg/L)	Zinc (µg/L)
San Antonio Springs	04/05/07	<0.99	<0.89	418	<0.36	5.900
San Antonio Springs	05/10/07	<0.99	<0.89	811	<0.36	1.370
San Antonio Springs	12/13/07	<0.99	<0.89	535	<0.36	1.650
San Pedro Springs	01/11/07	<0.99	<0.89	313	<0.36	<0.680
San Pedro Springs	02/08/07	<0.99	<0.89	279	<0.36	<0.680
San Pedro Springs	03/08/07	<0.99	<0.89	430	<0.36	5.190
San Pedro Springs	04/05/07	<0.99	<0.89	459	<0.36	5.060
San Pedro Springs	05/10/07	<0.99	<0.89	793	<0.36	0.760
San Pedro Springs	12/13/07	<0.99	<0.89	513	<0.36	4.440
Comal Springs #3	01/09/07	<0.99	<0.89	465	<0.36	<0.680
Comal Springs #3	02/06/07	<0.99	<0.89	343	<0.36	<0.680
Comal Springs #3	04/03/07	<0.99	<0.89	602	<0.36	6.240
Comal Springs #3	05/09/07	<0.99	<0.89	841	<0.36	0.740
Comal Springs #3	12/12/07	<0.99	<0.89	574	<0.36	1.360
Comal Springs #7	01/10/07	<0.99	<0.89	484	<0.36	<0.680
Comal Springs #7	02/07/07	<0.99	<0.89	314	<0.36	<0.680
Comal Springs #7	04/04/07	<0.99	<0.89	655	<0.36	6.540
Comal Springs #7	05/09/07	<0.99	<0.89	950	<0.36	<0.680
Comal Springs #7	12/12/07	<0.99	<0.89	648	<0.36	0.901
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.99	<0.89	494	<0.36	<0.680
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.99	<0.89	332	<0.36	<0.680
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.99	<0.89	576	<0.36	6.090
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.99	<0.89	562	<0.36	5.970
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.99	<0.89	840	<0.36	<0.680
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.99	<0.89	571	<0.36	2.960
Hueco Springs A (DX-68-15-901)	01/09/07	1.19	<0.89	308	<0.36	<0.680

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)	Thallium (µg/L)	Zinc (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	1.48	<0.890	190	<0.36	<0.680
Hueco Springs A (DX-68-15-901)	04/03/07	<0.99	<0.890	144	<0.36	5.420
Hueco Springs A (DX-68-15-901)	05/08/07	<0.99	<0.890	191	<0.36	<0.680
Hueco Springs A (DX-68-15-901)	12/11/07	1.26	<0.890	325	<0.36	<0.680
Hueco Springs B	03/13/07	1.04	<0.890	455	<0.36	<0.680
Hueco Springs B	04/03/07	<0.99	<0.890	146	<0.36	5.800
Hueco Springs B	12/11/07	<0.99	<0.890	323	<0.36	0.894
Blanco River at Wimberley [8171000]	05/07/07	<0.99	<0.890	235	<0.36	4.640
Blanco River at Wimberley [8171000]	11/05/07	<0.99	<0.890	399	<0.36	1.370
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.99	<0.890	364	<0.36	<0.680
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.99	<0.890	321	<0.36	0.850
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.99	<0.890	523	<0.36	6.350
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.99	<0.890	487	<0.36	6.380
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.99	<0.890	735	<0.36	0.880
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.99	0.913	497	<0.36	1.060
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.99	<0.890	529	<0.36	<0.680
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.99	<0.890	451	<0.36	<0.680
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.99	<0.890	550	<0.36	5.800
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.99	<0.890	525	<0.36	<0.680
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.99	<0.890	770	<0.36	<0.680
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.99	0.969	500	<0.36	<0.680
Las Moras Springs (RP-70-45-501)	10/23/07	<0.99	<0.890	145	<0.36	3.630
Pinto Springs at Mariposa Ranch	10/16/07	<0.99	<0.890	269	<0.36	3.630
Hondo Creek near Tarpley [8200000]	05/03/07	<0.99	<0.890	327	<0.36	1.210
Hondo Creek near Tarpley [8200000]	11/09/07	1.28	<0.890	391	<0.36	<0.680
Medina River at Bandera [8178880]	05/04/07	<0.99	<0.890	199	<0.36	<0.680
Medina River at Bandera [8178880]	05/04/07	<0.99	<0.890	940	<0.36	1.010

Table C-10. (cont.) Analytical Data for Metals from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Selenium (µg/L)	Silver (µg/L)	Strontium (µg/L)	Thallium (µg/L)	Zinc (µg/L)
Medina River at Bandera [8178880]	11/06/07	<0.99	<0.89	702	<0.36	0.921
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.99	<0.89	299	<0.36	0.910
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.99	<0.89	362	<0.36	<0.680
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.99	<0.89	390	<0.36	1.080
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.99	<0.89	239	<0.36	4.100
Frio River at Concan [8195000]	05/02/07	<0.99	<0.89	317	<0.36	1.030
Frio River at Concan [8195000]	11/08/07	<0.99	<0.89	267	<0.36	0.947
Nueces River at Laguna [8190000]	05/01/07	<0.99	<0.89	233	<0.36	1.630
Nueces River at Laguna [8190000]	11/07/07	<0.99	<0.89	193	<0.36	1.800
Sabinal River near Sabinal [8198000]	05/02/07	<0.99	<0.89	263	<0.36	<0.680
Sabinal River near Sabinal [8198000]	11/08/07	<0.99	<0.89	288	<0.36	1.280

NA = Not Analyzed

Table C-11. Analytical Data for Nutrients from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Nitrate-N (mg/L)	Orthophosphate (mg/L)
San Antonio Springs	04/05/07	1.590	<0.030
San Antonio Springs	05/10/07	1.940	<0.030
San Antonio Springs	06/14/07	NA	<0.030
San Antonio Springs	12/13/07	1.620	<0.030
San Pedro Springs	01/11/07	2.100	<0.030
San Pedro Springs	02/08/07	2.290	<0.030
San Pedro Springs	03/08/07	2.030	<0.030
San Pedro Springs	04/05/07	1.880	<0.030
San Pedro Springs	05/10/07	2.260	0.044
San Pedro Springs	06/14/07	NA	<0.030
San Pedro Springs	12/13/07	1.590	<0.030
Comal Springs #3	01/09/07	2.080	<0.030
Comal Springs #3	02/06/07	2.000	<0.030
Comal Springs #3	03/06/07	NA	<0.030
Comal Springs #3	04/03/07	1.560	0.062
Comal Springs #3	05/09/07	1.840	<0.030
Comal Springs #3	06/13/07	NA	<0.030
Comal Springs #3	12/12/07	1.910	<0.030
Comal Springs #7	01/10/07	1.990	<0.030
Comal Springs #7	02/07/07	2.160	<0.030
Comal Springs #7	03/06/07	NA	<0.030
Comal Springs #7	04/04/07	1.490	<0.030
Comal Springs #7	05/09/07	1.770	0.038
Comal Springs #7	06/13/07	NA	<0.030
Comal Springs #7	12/12/07	1.550	<0.030
Comal Springs#1 (DX-68-23-301)	01/10/07	2.020	<0.030
Comal Springs#1 (DX-68-23-301)	02/07/07	2.250	<0.030
Comal Springs#1 (DX-68-23-301)	03/05/07	1.980	<0.030
Comal Springs#1 (DX-68-23-301)	04/04/07	1.540	<0.030
Comal Springs#1 (DX-68-23-301)	05/09/07	1.750	0.032
Comal Springs#1 (DX-68-23-301)	06/13/07	NA	<0.030
Comal Springs#1 (DX-68-23-301)	12/12/07	1.770	<0.030
Hueco Springs A (DX-68-15-901)	01/09/07	1.400	<0.030
Hueco Springs A (DX-68-15-901)	02/06/07	2.090	<0.030
Hueco Springs A (DX-68-15-901)	03/06/07	NA	<0.030
Hueco Springs A (DX-68-15-901)	04/03/07	1.100	0.032
Hueco Springs A (DX-68-15-901)	05/08/07	1.090	0.045
Hueco Springs A (DX-68-15-901)	06/12/07	NA	<0.030
Hueco Springs A (DX-68-15-901)	12/11/07	1.450	<0.030
Hueco Springs B	03/13/07	1.550	<0.030
Hueco Springs B	04/03/07	1.120	0.227
Hueco Springs B	05/07/07	NA	0.044
Hueco Springs B	06/12/07	NA	<0.030
Hueco Springs B	12/11/07	1.450	<0.030
Blanco River at Wimberley [8171000]	05/07/07	0.479	NA
Blanco River at Wimberley [8171000]	11/05/07	0.249	NA
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	1.510	<0.030
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.150	<0.030
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	1.770	<0.030
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	1.330	<0.030
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	1.490	<0.030

Table C-11. (cont.) Analytical Data for Nutrients from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Nitrate-N (mg/L)	Orthophosphate (mg/L)
San Marcos Springs-Deep (LR-67-01-819)	06/11/07	NA	<0.030
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	1.650	NA
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	1.400	<0.030
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	1.490	<0.030
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	1.430	<0.030
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	0.943	<0.030
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	0.975	0.039
San Marcos Springs-Deep (LR-67-01-801)	06/11/07	NA	<0.030
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	0.800	<0.030
Las Moras Springs (RP-70-45-501)	10/23/07	1.200	NA
Pinto Springs at Mariposa Ranch	10/16/07	1.560	NA
Hondo Creek near Tarpley [8200000]	05/03/07	0.961	NA
Hondo Creek near Tarpley [8200000]	11/09/07	<0.150	NA
Medina River at Bandera [8178880]	05/04/07	1.120	NA
Medina River at Bandera [8178880]	05/04/07	0.568	NA
Medina River at Bandera [8178880]	11/06/07	0.343	NA
Seco Creek at Miller Ranch [8201500]	05/02/07	0.986	NA
Seco Creek at Miller Ranch [8201500]	11/08/07	1.440	NA
Dry Frio River at Reagan Wells [8196000]	05/02/07	0.763	NA
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.150	NA
Frio River at Concan [8195000]	05/02/07	0.842	NA
Frio River at Concan [8195000]	11/08/07	0.384	NA
Nueces River at Laguna [8190000]	05/01/07	1.370	NA
Nueces River at Laguna [8190000]	11/07/07	<0.150	NA
Sabinal River near Sabinal [8198000]	05/02/07	0.816	NA
Sabinal River near Sabinal [8198000]	11/08/07	0.609	NA
Medina River at Bandera [8178880]	11/06/07	0.343	NA
Seco Creek at Miller Ranch [8201500]	05/02/07	0.986	NA
Seco Creek at Miller Ranch [8201500]	11/08/07	1.440	NA
Dry Frio River at Reagan Wells [8196000]	05/02/07	0.763	NA
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.150	NA
Frio River at Concan [8195000]	05/02/07	0.842	NA
Frio River at Concan [8195000]	11/08/07	0.384	NA
Nueces River at Laguna [8190000]	05/01/07	1.370	NA
Nueces River at Laguna [8190000]	11/07/07	<0.150	NA
Sabinal River near Sabinal [8198000]	05/02/07	0.816	NA
Sabinal River near Sabinal [8198000]	11/08/07	0.609	NA

NA = Not Analyzed

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, 2007

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	04/05/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Antonio Springs	05/10/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Antonio Springs	12/13/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	01/11/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	02/08/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	03/08/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	04/05/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	05/10/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	12/13/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	01/09/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	02/06/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	04/03/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	05/09/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	12/12/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	01/10/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	02/07/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	04/04/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	05/09/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	12/12/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	01/09/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)	02/06/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	04/03/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	05/08/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	12/11/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	03/13/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	04/03/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	12/11/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Blanco River at Wimberley [8171000]	05/07/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Blanco River at Wimberley [8171000]	11/05/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Las Moras Springs (RP-70-45-501)	10/23/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Pinto Springs at Mariposa Ranch	10/16/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Hondo Creek near Tarpley [8200000]	05/03/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hondo Creek near Tarpley [8200000]	11/09/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Medina River at Bandera [8178880]	05/04/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Medina River at Bandera [8178880]	05/04/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Medina River at Bandera [8178880]	11/06/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Frio River at Concan [8195000]	05/02/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Frio River at Concan [8195000]	11/08/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Nueces River at Laguna [8190000]	05/01/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Nueces River at Laguna [8190000]	11/07/07	<0.050	<0.050	<0.050	<0.050	<1.00	<1.00	<1.00	<1.00
Sabinal River near Sabinal [8198000]	05/02/07	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
San Antonio Springs	05/10/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
San Antonio Springs	12/13/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
San Pedro Springs	01/11/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
San Pedro Springs	02/08/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
San Pedro Springs	03/08/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
San Pedro Springs	04/05/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
San Pedro Springs	05/10/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
San Pedro Springs	12/13/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #3	01/09/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Comal Springs #3	02/06/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Comal Springs #3	04/03/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Comal Springs #3	05/09/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Comal Springs #3	12/12/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs #7	01/10/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Comal Springs #7	02/07/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Comal Springs #7	04/04/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Comal Springs #7	05/09/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Comal Springs #7	12/12/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	01/10/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	02/07/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	03/05/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	04/04/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	05/09/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	12/12/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	01/09/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Medina River at Bandera [8178880]	11/06/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	05/02/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Seco Creek at Miller Ranch [8201500]	11/08/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	05/02/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Dry Frio River at Reagan Wells [8196000]	11/08/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Frio River at Concan [8195000]	05/02/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Frio River at Concan [8195000]	11/08/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Nueces River at Laguna [8190000]	05/01/07	<1.00	<1.00	<1.00	<2.400	<0.50	<0.10	<0.013	<0.50
Nueces River at Laguna [8190000]	11/07/07	<1.00	<1.00	<1.00	<0.050	<0.05	<0.50	<0.050	<0.05
Sabinal River near Sabinal [8198000]	05/02/07	<1.00	<1.00	<1.00	<0.300	<0.50	<0.10	<0.013	<0.50
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Chloro-pyrifos (µg/L)	Coumaphos (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	04/05/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Antonio Springs	05/10/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Antonio Springs	12/13/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Pedro Springs	01/11/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	02/08/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	03/08/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	04/05/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	05/10/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	12/13/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #3	01/09/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #3	02/06/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #3	04/03/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #3	05/09/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #3	12/12/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs #7	01/10/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #7	02/07/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #7	04/04/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #7	05/09/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #7	12/12/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	01/09/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Chloro-pyrifos (µg/L)	Coumaphos (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)	02/06/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs A (DX-68-15-901)	04/03/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs A (DX-68-15-901)	05/08/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs A (DX-68-15-901)	12/11/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hueco Springs B	03/13/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs B	04/03/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs B	12/11/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Blanco River at Wimberley [8171000]	05/07/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Blanco River at Wimberley [8171000]	11/05/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Las Moras Springs (RP-70-45-501)	10/23/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Pinto Springs at Mariposa Ranch	10/16/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	05/03/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Hondo Creek near Tarpley [8200000]	11/09/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Medina River at Bandera [8178880]	05/04/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Medina River at Bandera [8178880]	05/04/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Chloro-pyrifos (µg/L)	Coumaphos (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)
Medina River at Bandera [8178880]	11/06/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Frio River at Concan [8195000]	05/02/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Frio River at Concan [8195000]	11/08/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Nueces River at Laguna [8190000]	05/01/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Nueces River at Laguna [8190000]	11/07/07	<0.05	<0.05	<0.50	<0.050	<0.050	<0.050	<0.050	<0.05
Sabinal River near Sabinal [8198000]	05/02/07	<0.50	<0.30	<0.05	<0.020	<0.007	<0.022	<0.011	<0.50
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Diazinon (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)	Dimethoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)
San Antonio Springs	04/05/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Antonio Springs	05/10/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Antonio Springs	12/13/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Pedro Springs	01/11/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Pedro Springs	02/08/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Pedro Springs	03/08/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Pedro Springs	04/05/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Pedro Springs	05/10/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Pedro Springs	12/13/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #3	01/09/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #3	02/06/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #3	04/03/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #3	05/09/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #3	12/12/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs #7	01/10/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #7	02/07/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #7	04/04/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #7	05/09/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs #7	12/12/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hueco Springs A (DX-68-15-901)	01/09/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Diazinon (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)	Dimethoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Hueco Springs A (DX-68-15-901)	04/03/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Hueco Springs A (DX-68-15-901)	05/08/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Hueco Springs A (DX-68-15-901)	12/11/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hueco Springs B	03/13/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Hueco Springs B	04/03/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Hueco Springs B	12/11/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Blanco River at Wimberley [8171000]	05/07/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Blanco River at Wimberley [8171000]	11/05/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Las Moras Springs (RP-70-45-501)	10/23/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Pinto Springs at Mariposa Ranch	10/16/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Hondo Creek near Tarpley [8200000]	05/03/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Hondo Creek near Tarpley [8200000]	11/09/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Medina River at Bandera [8178880]	05/04/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Medina River at Bandera [8178880]	05/04/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Diazinon (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)	Dimethoate (µg/L)	Dinoseb (mg/L)	Disulfoton (µg/L)	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)
Medina River at Bandera [8178880]	11/06/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Frio River at Concan [8195000]	05/02/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Frio River at Concan [8195000]	11/08/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Nueces River at Laguna [8190000]	05/01/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Nueces River at Laguna [8190000]	11/07/07	<0.05	<0.05	<0.050	<0.05	<0.50	<0.05	<0.050	<0.050
Sabinal River near Sabinal [8198000]	05/02/07	<0.40	<0.40	<0.025	<0.40	<0.10	<0.40	<0.011	<0.015
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Endosulfan 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	04/05/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Antonio Springs	05/10/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Antonio Springs	12/13/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Pedro Springs	01/11/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Pedro Springs	02/08/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Pedro Springs	03/08/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Pedro Springs	04/05/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Pedro Springs	05/10/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Pedro Springs	12/13/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #3	01/09/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #3	02/06/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #3	04/03/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #3	05/09/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #3	12/12/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs #7	01/10/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #7	02/07/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #7	04/04/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #7	05/09/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs #7	12/12/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hueco Springs A (DX-68-15-901)	01/09/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Endosulfan 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)	02/06/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Hueco Springs A (DX-68-15-901)	04/03/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Hueco Springs A (DX-68-15-901)	05/08/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Hueco Springs A (DX-68-15-901)	12/11/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hueco Springs B	03/13/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Hueco Springs B	04/03/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Hueco Springs B	12/11/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Blanco River at Wimberley [8171000]	05/07/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Blanco River at Wimberley [8171000]	11/05/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Las Moras Springs (RP-70-45-501)	10/23/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Pinto Springs at Mariposa Ranch	10/16/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Hondo Creek near Tarpley [8200000]	05/03/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Hondo Creek near Tarpley [8200000]	11/09/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Medina River at Bandera [8178880]	05/04/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Medina River at Bandera [8178880]	05/04/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Endosulfan 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)
Medina River at Bandera [8178880]	11/06/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Frio River at Concan [8195000]	05/02/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Frio River at Concan [8195000]	11/08/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Nueces River at Laguna [8190000]	05/01/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Nueces River at Laguna [8190000]	11/07/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05
Sabinal River near Sabinal [8198000]	05/02/07	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70	<0.70	<0.30
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Antonio Springs	05/10/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Antonio Springs	12/13/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Pedro Springs	01/11/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Pedro Springs	02/08/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Pedro Springs	03/08/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Pedro Springs	04/05/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Pedro Springs	05/10/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Pedro Springs	12/13/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #3	01/09/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #3	02/06/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #3	04/03/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #3	05/09/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #3	12/12/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs #7	01/10/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #7	02/07/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #7	04/04/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #7	05/09/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs #7	12/12/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hueco Springs A (DX-68-15-901)	01/09/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)	02/06/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Hueco Springs A (DX-68-15-901)	04/03/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Hueco Springs A (DX-68-15-901)	05/08/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Hueco Springs A (DX-68-15-901)	12/11/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hueco Springs B	03/13/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Hueco Springs B	04/03/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Hueco Springs B	12/11/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Blanco River at Wimberley [8171000]	05/07/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Blanco River at Wimberley [8171000]	11/05/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Las Moras Springs (RP-70-45-501)	10/23/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Pinto Springs at Mariposa Ranch	10/16/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Hondo Creek near Tarpley [8200000]	05/03/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Hondo Creek near Tarpley [8200000]	11/09/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Medina River at Bandera [8178880]	05/04/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Medina River at Bandera [8178880]	05/04/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Medina River at Bandera [8178880]	11/06/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Frio River at Concan [8195000]	05/02/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Frio River at Concan [8195000]	11/08/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Nueces River at Laguna [8190000]	05/01/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Nueces River at Laguna [8190000]	11/07/07	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05	<0.050	<0.05
Sabinal River near Sabinal [8198000]	05/02/07	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30	<0.008	<0.50
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Pentachloro-phenol (µg/L)	Phorate (µg/L)	Picloram (mg/L)	Ronnel (µg/L)
San Antonio Springs	04/05/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Antonio Springs	05/10/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Antonio Springs	12/13/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Pedro Springs	01/11/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Pedro Springs	02/08/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Pedro Springs	03/08/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Pedro Springs	04/05/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Pedro Springs	05/10/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Pedro Springs	12/13/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs #3	01/09/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs #3	02/06/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs #3	04/03/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs #3	05/09/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs #3	12/12/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs #7	01/10/07	<0.030	<0.70	<0.75	<0.50	<1.29	<0.40	<0.10	<0.40
Comal Springs #7	02/07/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs #7	04/04/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs #7	05/09/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs #7	12/12/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Hueco Springs A (DX-68-15-901)	01/09/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Pentachloro-phenol (µg/L)	Phorate (µg/L)	Picloram (mg/L)	Ronnel (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Hueco Springs A (DX-68-15-901)	04/03/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Hueco Springs A (DX-68-15-901)	05/08/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Hueco Springs A (DX-68-15-901)	12/11/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Hueco Springs B	03/13/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Hueco Springs B	04/03/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Hueco Springs B	12/11/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Blanco River at Wimberley [8171000]	05/07/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Blanco River at Wimberley [8171000]	11/05/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Las Moras Springs (RP-70-45-501)	10/23/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Pinto Springs at Mariposa Ranch	10/16/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Hondo Creek near Tarpley [8200000]	05/03/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Hondo Creek near Tarpley [8200000]	11/09/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Medina River at Bandera [8178880]	05/04/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Medina River at Bandera [8178880]	05/04/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Pentachloro-phenol (µg/L)	Phorate (µg/L)	Picloram (mg/L)	Ronnel (µg/L)
Medina River at Bandera [8178880]	11/06/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Frio River at Concan [8195000]	05/02/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Frio River at Concan [8195000]	11/08/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Nueces River at Laguna [8190000]	05/01/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Nueces River at Laguna [8190000]	11/07/07	<0.050	<0.05	<0.05	<0.05	<0.50	<0.05	<0.50	<0.05
Sabinal River near Sabinal [8198000]	05/02/07	<0.030	<0.70	<0.75	<0.50	<0.10	<0.40	<0.10	<0.40
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	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)	Toxaphene (µg/L)
San Antonio Springs	04/05/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Antonio Springs	05/10/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Antonio Springs	12/13/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Pedro Springs	01/11/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Pedro Springs	02/08/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Pedro Springs	03/08/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Pedro Springs	04/05/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Pedro Springs	05/10/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Pedro Springs	12/13/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #3	01/09/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #3	02/06/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #3	04/03/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #3	05/09/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #3	12/12/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs #7	01/10/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #7	02/07/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #7	04/04/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #7	05/09/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs #7	12/12/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hueco Springs A (DX-68-15-901)	01/09/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	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)	Toxaphene (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Hueco Springs A (DX-68-15-901)	04/03/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Hueco Springs A (DX-68-15-901)	05/08/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Hueco Springs A (DX-68-15-901)	12/11/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hueco Springs B	03/13/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Hueco Springs B	04/03/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Hueco Springs B	12/11/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Blanco River at Wimberley [8171000]	05/07/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Blanco River at Wimberley [8171000]	11/05/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Las Moras Springs (RP-70-45-501)	10/23/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Pinto Springs at Mariposa Ranch	10/16/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Hondo Creek near Tarpley [8200000]	05/03/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Hondo Creek near Tarpley [8200000]	11/09/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Medina River at Bandera [8178880]	05/04/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Medina River at Bandera [8178880]	05/04/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	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)	Toxaphene (µg/L)
Medina River at Bandera [8178880]	11/06/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Frio River at Concan [8195000]	05/02/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Frio River at Concan [8195000]	11/08/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Nueces River at Laguna [8190000]	05/01/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Nueces River at Laguna [8190000]	11/07/07	<0.05	<0.05	<0.05	<0.50	<0.05	<0.05	<7.00	<0.050
Sabinal River near Sabinal [8198000]	05/02/07	<0.30	<0.40	<0.40	<0.10	<0.40	<0.40	<7.00	<0.770
Sabinal River near Sabinal [8198000]	11/08/07	<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 PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	2,4,5-TP (mg/L)	Trichloro-nate (µg/L)
San Antonio Springs	04/05/07	<0.05	<0.40
San Antonio Springs	05/10/07	<0.05	<0.40
San Antonio Springs	12/13/07	<0.50	<0.05
San Pedro Springs	01/11/07	<0.05	<0.40
San Pedro Springs	02/08/07	<0.05	<0.40
San Pedro Springs	03/08/07	<0.05	<0.40
San Pedro Springs	04/05/07	<0.05	<0.40
San Pedro Springs	05/10/07	<0.05	<0.40
San Pedro Springs	12/13/07	<0.50	<0.05
Comal Springs #3	01/09/07	<0.05	<0.40
Comal Springs #3	02/06/07	<0.05	<0.40
Comal Springs #3	04/03/07	<0.05	<0.40
Comal Springs #3	05/09/07	<0.05	<0.40
Comal Springs #3	12/12/07	<0.50	<0.05
Comal Springs #7	01/10/07	<0.05	<0.40
Comal Springs #7	02/07/07	<0.05	<0.40
Comal Springs #7	04/04/07	<0.05	<0.40
Comal Springs #7	05/09/07	<0.05	<0.40
Comal Springs #7	12/12/07	<0.50	<0.05
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.05	<0.40
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.05	<0.40
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.05	<0.40
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.05	<0.40
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.05	<0.40
Comal Springs#1 (DX-68-23-301)	12/12/07	<0.50	<0.05
Hueco Springs A (DX-68-15-901)	01/09/07	<0.05	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	2,4,5-TP (mg/L)	Trichloro-nate (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.05	<0.40
Hueco Springs A (DX-68-15-901)	04/03/07	<0.05	<0.40
Hueco Springs A (DX-68-15-901)	05/08/07	<0.05	<0.40
Hueco Springs A (DX-68-15-901)	12/11/07	<0.50	<0.05
Hueco Springs B	03/13/07	<0.05	<0.40
Hueco Springs B	04/03/07	<0.05	<0.40
Hueco Springs B	12/11/07	<0.50	<0.05
Blanco River at Wimberley [8171000]	05/07/07	<0.05	<0.40
Blanco River at Wimberley [8171000]	11/05/07	<0.50	<0.05
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.05	<0.40
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.05	<0.40
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.05	<0.40
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.05	<0.40
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.05	<0.40
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<0.50	<0.05
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.05	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.05	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.05	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.05	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.05	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<0.50	<0.05
Las Moras Springs (RP-70-45-501)	10/23/07	<0.50	<0.05
Pinto Springs at Mariposa Ranch	10/16/07	<0.50	<0.05
Hondo Creek near Tarpley [8200000]	05/03/07	<0.05	<0.40
Hondo Creek near Tarpley [8200000]	11/09/07	<0.50	<0.05
Medina River at Bandera [8178880]	05/04/07	<0.05	<0.40
Medina River at Bandera [8178880]	05/04/07	<0.05	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCBs (Aroclors) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	2,4,5-TP (mg/L)	Trichloro-nate (µg/L)
Medina River at Bandera [8178880]	11/06/07	<0.50	<0.05
Seco Creek at Miller Ranch [8201500]	05/02/07	<0.05	<0.40
Seco Creek at Miller Ranch [8201500]	11/08/07	<0.50	<0.05
Dry Frio River at Reagan Wells [8196000]	05/02/07	<0.05	<0.40
Dry Frio River at Reagan Wells [8196000]	11/08/07	<0.50	<0.05
Frio River at Concan [8195000]	05/02/07	<0.05	<0.40
Frio River at Concan [8195000]	11/08/07	<0.50	<0.05
Nueces River at Laguna [8190000]	05/01/07	<0.05	<0.40
Nueces River at Laguna [8190000]	11/07/07	<0.50	<0.05
Sabinal River near Sabinal [8198000]	05/02/07	<0.05	<0.40
Sabinal River near Sabinal [8198000]	11/08/07	<0.50	<0.05

NA = Not Analyzed

Table C-13. Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Acetone (µg/L)	Acetoni-trile (µg/L)	Acrolein (µg/L)	Acryloni-trile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromo-acetone (µg/L)
San Antonio Springs	04/05/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Antonio Springs	05/10/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Antonio Springs	12/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	01/11/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	02/08/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	03/08/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	04/05/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	05/10/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Pedro Springs	12/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	01/09/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	02/06/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	04/03/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	05/09/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #3	12/12/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	01/10/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	02/07/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	04/04/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	05/09/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs #7	12/12/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	01/09/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	04/03/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	05/08/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	12/11/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs B	03/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs B	04/03/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Hueco Springs B	12/11/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00
Medina River at Bandera [8178880]	05/04/07	<10.0	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	<5.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Antonio Springs	05/10/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Antonio Springs	12/13/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Pedro Springs	01/11/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Pedro Springs	02/08/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Pedro Springs	03/08/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Pedro Springs	04/05/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Pedro Springs	05/10/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Pedro Springs	12/13/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #3	01/09/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #3	02/06/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #3	04/03/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #3	05/09/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #3	12/12/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #7	01/10/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #7	02/07/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #7	04/04/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #7	05/09/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs #7	12/12/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs#1 (DX-68-23-301)	01/10/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs#1 (DX-68-23-301)	02/07/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs#1 (DX-68-23-301)	03/05/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs#1 (DX-68-23-301)	04/04/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs#1 (DX-68-23-301)	05/09/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Comal Springs#1 (DX-68-23-301)	12/12/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Hueco Springs A (DX-68-15-901)	01/09/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Hueco Springs A (DX-68-15-901)	04/03/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Hueco Springs A (DX-68-15-901)	05/08/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Hueco Springs A (DX-68-15-901)	12/11/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Hueco Springs B	03/13/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Hueco Springs B	04/03/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Hueco Springs B	12/11/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Las Moras Springs (RP-70-45-501)	10/23/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Pinto Springs at Mariposa Ranch	10/16/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0
Medina River at Bandera [8178880]	05/04/07	<2.00	<10.0	<2.00	<2.00	<10.0	<10.0	<2.00	<10.0

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Antonio Springs	05/10/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Antonio Springs	12/13/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Pedro Springs	01/11/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Pedro Springs	02/08/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Pedro Springs	03/08/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Pedro Springs	04/05/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Pedro Springs	05/10/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Pedro Springs	12/13/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #3	01/09/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #3	02/06/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #3	04/03/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #3	05/09/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #3	12/12/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #7	01/10/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #7	02/07/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #7	04/04/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #7	05/09/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs #7	12/12/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Hueco Springs A (DX-68-15-901)	01/09/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Hueco Springs A (DX-68-15-901)	04/03/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Hueco Springs A (DX-68-15-901)	05/08/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Hueco Springs A (DX-68-15-901)	12/11/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Hueco Springs B	03/13/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Hueco Springs B	04/03/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Hueco Springs B	12/11/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Las Moras Springs (RP-70-45-501)	10/23/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Pinto Springs at Mariposa Ranch	10/16/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00
Medina River at Bandera [8178880]	05/04/07	<5.00	<2.00	<10.0	<10.0	<2.00	<2.00	<10.0	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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 Antonio Springs	04/05/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Antonio Springs	05/10/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Antonio Springs	12/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Pedro Springs	01/11/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Pedro Springs	02/08/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Pedro Springs	03/08/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Pedro Springs	04/05/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Pedro Springs	05/10/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Pedro Springs	12/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #3	01/09/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #3	02/06/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #3	04/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #3	05/09/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #3	12/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #7	01/10/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #7	02/07/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #7	04/04/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #7	05/09/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs #7	12/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	01/09/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	04/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	05/08/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/11/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Hueco Springs B	03/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Hueco Springs B	04/03/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Hueco Springs B	12/11/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Las Moras Springs (RP-70-45-501)	10/23/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Pinto Springs at Mariposa Ranch	10/16/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
Medina River at Bandera [8178880]	05/04/07	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	05/10/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	12/13/07	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	01/11/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	02/08/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	03/08/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	04/05/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	05/10/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	12/13/07	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	01/09/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	02/06/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	04/03/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	05/09/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	12/12/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	01/10/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	02/07/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	04/04/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	05/09/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	12/12/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	01/09/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	04/03/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	05/08/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/11/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	03/13/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	04/03/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	12/11/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.8	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Medina River at Bandera [8178880]	05/04/07	<0.8	<0.77	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexa-chloro-butadiene (µg/L)	2-Hexanone (µg/L)	Iodo-methane (µg/L)	Isopropyl benzene (µg/L)	4-Iso-propyl-toluene (µg/L)	m,p-Xylene (µg/L)
San Antonio Springs	04/05/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	05/10/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	12/13/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	01/11/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	02/08/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	03/08/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	04/05/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	05/10/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	12/13/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	01/09/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	02/06/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	04/03/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	05/09/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	12/12/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	01/10/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	02/07/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	04/04/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	05/09/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	12/12/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	01/09/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexa-chloro-butadiene (µg/L)	2-Hexanone (µg/L)	Iodo-methane (µg/L)	Isopropyl benzene (µg/L)	4-Iso-propyltoluene (µg/L)	m,p-Xylene (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	04/03/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	05/08/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/11/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	3.25
Hueco Springs B	03/13/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	04/03/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	12/11/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<2.00	<2.00	<1.25	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Las Moras Springs (RP-70-45-501)	10/23/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Pinto Springs at Mariposa Ranch	10/16/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00
Medina River at Bandera [8178880]	05/04/07	<2.00	<2.00	<10.00	<10.0	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Methyl tert-butyl ether (µg/L)	4-Methyl-2-penta-none (µg/L)	Methylene Chloride (µg/L)	Naphtha-lene (µg/L)	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)
San Antonio Springs	04/05/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Antonio Springs	05/10/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Antonio Springs	12/13/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	01/11/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	02/08/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	03/08/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	04/05/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	05/10/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Pedro Springs	12/13/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	01/09/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	02/06/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	04/03/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	05/09/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs #3	12/12/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	01/10/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	02/07/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	04/04/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	05/09/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs #7	12/12/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	01/09/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Methyl tert-butyl ether (µg/L)	4-Methyl-2-penta-none (µg/L)	Methylene Chloride (µg/L)	Naphtha-lene (µg/L)	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	04/03/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	05/08/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/11/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Hueco Springs B	03/13/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
Hueco Springs B	04/03/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Hueco Springs B	12/11/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<2.00	<10.0	<2.00	3.65	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<2.00	<10.0	<2.00	<0.93	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Las Moras Springs (RP-70-45-501)	10/23/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Pinto Springs at Mariposa Ranch	10/16/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00
Medina River at Bandera [8178880]	05/04/07	<2.00	<10.0	<2.00	<10.0	<5.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Antonio Springs	05/10/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Antonio Springs	12/13/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Pedro Springs	01/11/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Pedro Springs	02/08/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Pedro Springs	03/08/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Pedro Springs	04/05/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Pedro Springs	05/10/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Pedro Springs	12/13/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #3	01/09/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #3	02/06/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #3	04/03/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #3	05/09/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #3	12/12/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #7	01/10/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #7	02/07/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #7	04/04/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #7	05/09/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs #7	12/12/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	01/09/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	04/03/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	05/08/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/11/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	2.49
Hueco Springs B	03/13/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Hueco Springs B	04/03/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Hueco Springs B	12/11/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Las Moras Springs (RP-70-45-501)	10/23/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Pinto Springs at Mariposa Ranch	10/16/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00
Medina River at Bandera [8178880]	05/04/07	<2.00	<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	05/10/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Antonio Springs	12/13/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	01/11/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	02/08/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	03/08/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	04/05/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	05/10/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Pedro Springs	12/13/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	01/09/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	02/06/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	04/03/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	05/09/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs #3	12/12/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	01/10/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	02/07/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	04/04/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	05/09/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs #7	12/12/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	01/09/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	04/03/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	05/08/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs A (DX-68-15-901)	12/11/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	03/13/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	04/03/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
Hueco Springs B	12/11/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Las Moras Springs (RP-70-45-501)	10/23/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Pinto Springs at Mariposa Ranch	10/16/07	<2.00	<10.0	<10.0	<10.0	<2.00	<2.00	<2.00	<2.00
Medina River at Bandera [8178880]	05/04/07	<2.00	<10.0	<10.0	<0.9	<2.00	<2.00	<2.00	<2.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	1,2,3-Trichloro-propane (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)	1,3-Dichloro-propene (µg/L)
San Antonio Springs	04/05/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Antonio Springs	05/10/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Antonio Springs	12/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Pedro Springs	01/11/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Pedro Springs	02/08/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Pedro Springs	03/08/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Pedro Springs	04/05/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Pedro Springs	05/10/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Pedro Springs	12/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #3	01/09/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #3	02/06/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #3	04/03/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #3	05/09/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #3	12/12/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #7	01/10/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #7	02/07/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #7	04/04/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #7	05/09/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs #7	12/12/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs#1 (DX-68-23-301)	02/07/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs#1 (DX-68-23-301)	03/05/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs#1 (DX-68-23-301)	04/04/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs#1 (DX-68-23-301)	05/09/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Hueco Springs A (DX-68-15-901)	01/09/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00

Table C-13. (cont.) Analytical data for Volatile Organic Compounds (VOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	1,2,3-Trichloro-propane (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)	1,3-Dichloro-propene (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Hueco Springs A (DX-68-15-901)	04/03/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Hueco Springs A (DX-68-15-901)	05/08/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Hueco Springs A (DX-68-15-901)	12/11/07	<10.0	4.54	2.98	<10.0	<2.00	<5.00
Hueco Springs B	03/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Hueco Springs B	04/03/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Hueco Springs B	12/11/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00
Medina River at Bandera [8178880]	05/04/07	<10.0	<2.00	<2.00	<10.0	<2.00	<5.00

Table C-14. Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Acena-phthene (µg/L)	Acena-phthylene (µg/L)	Aniline (µg/L)	Anthra-cene (µg/L)	Azo-benzene (µg/L)	Benzidine (µg/L)	Benzo-(a) anthra-cene (µg/L)	Benzo-(a) pyrene (µg/L)
San Antonio Springs	04/05/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Antonio Springs	05/10/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	02/08/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	03/08/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	04/05/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	05/10/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #3	02/06/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #3	04/03/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #3	05/09/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #7	02/07/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #7	04/04/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #7	05/09/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Acena-phthene (µg/L)	Acena-phthylene (µg/L)	Aniline (µg/L)	Anthra-cene (µg/L)	Azo-benzene (µg/L)	Benzidine (µg/L)	Benzo-(a) anthra-cene (µg/L)	Benzo-(a) pyrene (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs A (DX-68-15-901)	04/03/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs A (DX-68-15-901)	05/08/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs B	04/03/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Benzo(b) fluoran-thene (µg/L)	Benzo-(g,h,I) perylene (µg/L)	Benzo(k) fluoran-thene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	Bis (2-chloro-ethoxy) methane (µg/L)	Bis (2-chloro-ethyl) ether (µg/L)	Bis (2-chloro-isopropyl) ether (µg/L)
San Antonio Springs	04/05/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Antonio Springs	05/10/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Pedro Springs	02/08/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Pedro Springs	03/08/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Pedro Springs	04/05/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Pedro Springs	05/10/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #3	02/06/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #3	04/03/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #3	05/09/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #7	02/07/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #7	04/04/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #7	05/09/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	02/07/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	03/05/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	04/04/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	05/09/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Benzo(b) fluoranthene (µg/L)	Benzo-(g,h,I) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	Bis (2-chloro-ethoxy) methane (µg/L)	Bis (2-chloro-ethyl) ether (µg/L)	Bis (2-chloro-isopropyl) ether (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Hueco Springs A (DX-68-15-901)	04/03/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Hueco Springs A (DX-68-15-901)	05/08/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Hueco Springs B	04/03/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<1.54	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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-naph-thalene (µg/L)	2-Chloro-phenol (µg/L)
San Antonio Springs	04/05/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Antonio Springs	05/10/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Pedro Springs	02/08/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Pedro Springs	03/08/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Pedro Springs	04/05/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Pedro Springs	05/10/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #3	02/06/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #3	04/03/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #3	05/09/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #7	02/07/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #7	04/04/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #7	05/09/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs#1 (DX-68-23-301)	02/07/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs#1 (DX-68-23-301)	03/05/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs#1 (DX-68-23-301)	04/04/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs#1 (DX-68-23-301)	05/09/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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-naph-thalene (µg/L)	2-Chloro-phenol (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Hueco Springs A (DX-68-15-901)	04/03/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Hueco Springs A (DX-68-15-901)	05/08/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Hueco Springs B	04/03/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<2.77	16.5	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	4-Chloro-phenyl phenyl ether (µg/L)	Chrysene (µg/L)	Cresols (total) (µg/L)	Dibenz(a,h) anthra-cene (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	04/05/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Antonio Springs	05/10/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Pedro Springs	02/08/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Pedro Springs	03/08/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Pedro Springs	04/05/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Pedro Springs	05/10/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #3	02/06/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #3	04/03/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #3	05/09/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #7	02/07/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #7	04/04/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #7	05/09/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs#1 (DX-68-23-301)	02/07/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs#1 (DX-68-23-301)	03/05/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs#1 (DX-68-23-301)	04/04/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs#1 (DX-68-23-301)	05/09/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Hueco Springs A (DX-68-15-901)	04/03/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Hueco Springs A (DX-68-15-901)	05/08/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Hueco Springs B	04/03/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<1.06	<1.01	<2.02	<1.20	<5.00	<0.99	<2.59	<0.98

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Antonio Springs	05/10/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Pedro Springs	02/08/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Pedro Springs	03/08/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Pedro Springs	04/05/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Pedro Springs	05/10/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #3	02/06/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #3	04/03/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #3	05/09/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #7	02/07/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #7	04/04/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #7	05/09/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Hueco Springs A (DX-68-15-901)	04/03/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Hueco Springs A (DX-68-15-901)	05/08/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Hueco Springs B	04/03/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<0.91	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	2,6-Dinitro-toluene (µg/L)	Di-n-octyl phthalate (µg/L)	Fluor-anthene (µg/L)	Fluorene (µg/L)	Hexa-chloro-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	04/05/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Antonio Springs	05/10/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Pedro Springs	02/08/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Pedro Springs	03/08/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Pedro Springs	04/05/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Pedro Springs	05/10/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #3	02/06/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #3	04/03/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #3	05/09/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #7	02/07/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #7	04/04/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #7	05/09/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs#1 (DX-68-23-301)	02/07/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs#1 (DX-68-23-301)	03/05/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs#1 (DX-68-23-301)	04/04/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs#1 (DX-68-23-301)	05/09/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	2,6-Dinitro-toluene (µg/L)	Di-n-octyl phthalate (µg/L)	Fluor-anthene (µg/L)	Fluorene (µg/L)	Hexa-chloro-benzene (µg/L)	Hexa-chloro-cyclo-penta-diene (µg/L)	Hexa-chloro-ethane (µg/L)	Indeno-(1,2,3-cd) pyrene (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Hueco Springs A (DX-68-15-901)	04/03/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Hueco Springs A (DX-68-15-901)	05/08/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Hueco Springs B	04/03/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<1.19	<2.58	<0.95	<1.15	<1.01	<0.81	<1.03	<1.12

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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	04/05/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Antonio Springs	05/10/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Pedro Springs	02/08/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Pedro Springs	03/08/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Pedro Springs	04/05/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Pedro Springs	05/10/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #3	02/06/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #3	04/03/07	<0.80	1.20	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #3	05/09/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #7	02/07/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #7	04/04/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #7	05/09/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

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)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Hueco Springs A (DX-68-15-901)	04/03/07	<0.80	1.29	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Hueco Springs A (DX-68-15-901)	05/08/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Hueco Springs B	04/03/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<0.80	1.02	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<0.80	<1.01	<1.04	<0.98	<0.77	<1.11	<1.21	<0.65

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	2-Nitro-phenol (µg/L)	4-Nitro-phenol (µg/L)	n-Nitro-sodiethyl-amine (µg/L)	n-Nitro-sodimethyl-amine (µg/L)	n-Nitro-sodi-n-propyl-amine (µg/L)	n-Nitro-sodiphenyl amine (µg/L)	Penta-chloro-benzene (µg/L)	Phenan-threne (µg/L)
San Antonio Springs	04/05/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Antonio Springs	05/10/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Pedro Springs	02/08/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Pedro Springs	03/08/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Pedro Springs	04/05/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Pedro Springs	05/10/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #3	02/06/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #3	04/03/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #3	05/09/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #7	02/07/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #7	04/04/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #7	05/09/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs#1 (DX-68-23-301)	02/07/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs#1 (DX-68-23-301)	03/05/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs#1 (DX-68-23-301)	04/04/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs#1 (DX-68-23-301)	05/09/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	2-Nitro-phenol (µg/L)	4-Nitro-phenol (µg/L)	n-Nitro-sodiethyl-amine (µg/L)	n-Nitro-sodimeth yl-amine (µg/L)	n-Nitro-sodi-n-propyl-amine (µg/L)	n-Nitro-sodiphen ylamine (µg/L)	Penta-chloro-benzene (µg/L)	Phenan-threne (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Hueco Springs A (DX-68-15-901)	04/03/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Hueco Springs A (DX-68-15-901)	05/08/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Hueco Springs B	04/03/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<1.13	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<0.96

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Phenol (µg/L)	Pyrene (µg/L)	Pyridine (µg/L)	2,4,5-Trichloro-phenol (µg/L)	2,4,6-Trichloro-phenol (µg/L)
San Antonio Springs	04/05/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Antonio Springs	05/10/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Antonio Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00
San Pedro Springs	01/11/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Pedro Springs	02/08/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Pedro Springs	03/08/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Pedro Springs	04/05/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Pedro Springs	05/10/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Pedro Springs	12/13/07	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #3	01/09/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #3	02/06/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #3	04/03/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #3	05/09/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #3	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs #7	01/10/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #7	02/07/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #7	04/04/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #7	05/09/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs #7	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00
Comal Springs#1 (DX-68-23-301)	01/10/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs#1 (DX-68-23-301)	02/07/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs#1 (DX-68-23-301)	03/05/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs#1 (DX-68-23-301)	04/04/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs#1 (DX-68-23-301)	05/09/07	<0.27	<2.28	<0.51	<1.42	<1.16
Comal Springs#1 (DX-68-23-301)	12/12/07	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs A (DX-68-15-901)	01/09/07	<0.27	<2.28	<0.51	<1.42	<1.16

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOC) from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2007

Station Name	Date Sampled	Phenol (µg/L)	Pyrene (µg/L)	Pyridine (µg/L)	2,4,5-Trichloro-phenol (µg/L)	2,4,6-Trichloro-phenol (µg/L)
Hueco Springs A (DX-68-15-901)	02/06/07	<0.27	<2.28	<0.51	<1.42	<1.16
Hueco Springs A (DX-68-15-901)	04/03/07	0.51	<2.28	<0.51	<1.42	<1.16
Hueco Springs A (DX-68-15-901)	05/08/07	<0.27	<2.28	<0.51	<1.42	<1.16
Hueco Springs A (DX-68-15-901)	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00
Hueco Springs B	03/13/07	0.40	<2.28	<0.51	<1.42	<1.16
Hueco Springs B	04/03/07	<0.27	<2.28	<0.51	<1.42	<1.16
Hueco Springs B	12/11/07	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Deep (LR-67-01-819)	01/08/07	1.58	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	02/13/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	03/05/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	04/02/07	0.95	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	05/08/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00
San Marcos Springs-Hotel (LR-67-01-801)	01/08/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	02/05/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	03/05/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	04/02/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	05/08/07	<0.27	<2.28	<0.51	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	12/07/07	<10.00	<10.00	<10.00	<10.00	<10.00
Las Moras Springs (RP-70-45-501)	10/23/07	<10.00	<10.00	<10.00	<10.00	<10.00
Pinto Springs at Mariposa Ranch	10/16/07	<10.00	<10.00	<10.00	<10.00	<10.00
Medina River at Bandera [8178880]	05/04/07	<0.27	<2.28	<0.51	<1.42	<1.16

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