

Edwards Aquifer Authority Synoptic Water Level Program 1999–2004 Report



EDWARDS AQUIFER
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Edwards Aquifer Authority Synoptic Water Level Program 1999-2004 Report

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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 near 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 in charge of 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 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. Pursuant to this mandate, the Authority has undertaken the Edwards Aquifer Optimization Program (EAOP). This program is a series of interrelated, mission-

directed biologic and hydrogeologic research studies known as Optimization Technical Studies (OTS). These OTS are designed to evaluate potential technical options for the optimization of the Edwards Aquifer. Data and information from these studies provide aquifer managers with the tools necessary to make well-informed decisions aimed at benefiting aquifer users while preserving the environments supported by the aquifer, including Comal and San Marcos springs, and downstream aquatic habitats.

The initial OTS were conceived by the Authority's Technical Advisory Group (TAG), staff, and consultants and subsequently documented by Todd Engineers in May of 1999, in *Optimization Technical Studies in Support of the Edwards Aquifer Optimization Program*. The origin of the Synoptic Water Level Program (SWLP) is discussed in this document. Specifically, the SWLP is not an optimization technical study, but rather a support study designed to “... provide data for water level contour maps, flowpath studies, and the management computer model construction.” (Todd Engineers, 1999).

Beginning in 1999, staff from the Authority, San Antonio Water Systems (SAWS), United States Geological Survey (USGS), Edwards Aquifer Research and Data Center (EARDC), Texas Water Development Board (TWDB), and Barton Springs/Edwards Aquifer Conservation District (BS/EACD) have measured aquifer water levels in more than 220 wells (on average) throughout the study area, for each synoptic event. Wells are generally measured within a one-week period for each event.

The synoptic measurements reported in this study are taken within the San Antonio segment of the Balcones Fault Zone Edwards Aquifer in Kinney, Uvalde, Medina, Atascosa, Bexar, Caldwell, Comal, Guadalupe, and Hays counties. Additional measurements from parts of the Barton Springs segment of the Edwards Aquifer in Travis and Hays counties, which are under the jurisdiction of the Barton Springs Edwards Aquifer Conservation District, are also included in this report.

Many synoptic studies have been performed prior to this investigation. The most recently published study by Maclay et al. (1980) is comprehensive with respect to information regarding aquifer parameters, such as recharge, discharge, specific capacity, and aquifer test data, in addition to synoptic water level data. The Maclay study also includes a potentiometric (water level contour) map covering approximately the same geographic area as does this investigation. Synoptic investigations prior to Maclay's work are listed in Table 1. Whereas some previous investigations include additional aquifer parameter data and may be more comprehensive in nature, the current investigation documents more individual water level measurement events (16 events total) than do other listed investigations.

In keeping with the original intent of the OTS with regard to the SWLP, the purpose of this

report is to provide interested parties a source for the synoptic water level data (Appendices A and B) and potentiometric surface maps (Appendix C) that display an interpretation of the data for each event. Additionally, the synoptic data provide a useful support tool for other optimization studies related to flowpath understanding and model development.

Each of the SWLP events documented herein is represented as a potentiometric surface map. Each map is produced from data point (water level) values without consideration of other parameters, such as recharge, discharge, or geologic structure, which may cause localized variations in the potentiometric surface. These parameters are summarized in the Authority's annual *Hydrologic Data Report*, available in pdf format from the Authority's Website at www.edwardsaquifer.org.

Table 1. Index of Previous Synoptic Water-Level Maps for the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer

Date of Map	Area Covered	Source of Information*
1930	Uvalde and Medina counties	Sayer (1936)
October 1934	Bexar County and portions of Medina and Comal counties	Livingston et al. (1936)
October 1934	Bexar County	Arnow (1959)
January 1947	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	Klemt et al. (1975)
January 1951	Medina County	Holt (1959)
January 1952	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	Petitt and George (1956)
January 1952	Bexar County	Arnow (1959)
August 1952	Medina, Bexar, and Comal counties	Lang (1954)
August 1954	Bexar County	Arnow (1959)
August 1954	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	Petitt and George (1956)
August 1956	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	Garza (1962)
January 1957	Bexar County	Arnow (1959)
March 1958	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	Garza (1962)
January 1961	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	Garza (1966)
January 1972	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	Klemt et al. (1975)
February 1972	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict
June 1972	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files —San Antonio Subdistrict
February 1973	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict
July 1973	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict
February 1974	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict
July 1974	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict
July 1975	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict
February 1976	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict
August 1976	Kinney, Uvalde, Medina, Bexar, Comal, and Hays counties	USGS Files—San Antonio Subdistrict

*Source: Maclay et al., 1980, Table 3.

Of the 16 SWLP events covered in this report, five events (July 2000, October 2001, November 2002, July 2004, and December 2004) plot the recharge and artesian zones of the aquifer as separate data sets and are referred to as two-system maps. These events are plotted as two-system maps because of their representation of conditions that are unique to the synoptic program. Specifically, the two-system maps represent the following aquifer conditions:

- Lowest (SWLP) water level event as recorded at index well J-17 (645' msl, July 2000),
- Highest (SWLP) water level events as recorded at index well J-17 (697' msl, November 2002 and 701' msl, December 2004),
- Highest (SWLP) water level event as recorded at index well J-17, with the maximum number of data points (687' msl, July 2004), and
- SWLP water level closest to the mean for the period July 1999–December 2004 as recorded at index well J-17 (675' msl, October 2001).

The remaining 11 SWLP events are plotted as a single system, wherein the data points are combined across the recharge and artesian zones of the aquifer.

The SWLP began in July of 1999, as a three event per year effort to capture a “snapshot” of water levels across the entire reach of the San Antonio segment of the Balcones Fault Zone Edwards Aquifer and the southernmost extent of the Barton Springs Segment of the Balcones Fault Zone Edwards Aquifer (Figure 1). After October 2003, the program was modified by a reduction of the number of annual regionwide events from three to one. This modification provides the exception that additional regionwide events would be performed only if water levels at the Bexar County index well (J-17) were to exceed or fall below previously recorded levels for SWLP measurement events.

The modified SWLP program was initiated after a review of preliminary maps indicated that no significant changes in the potentiometric surface maps were evident for changes in aquifer levels within the range of obtained data. Reducing the number of annual synoptic events allowed the

Authority an option to pursue a more refined approach to synoptic data gathering in the form of “focused” synoptic events. These focused events allow concentrated data to be gathered from smaller geographic areas in an effort to reduce data gaps, resulting in a more representative picture of localized variations in the shape of the water surface. For example, areas such as the Knippa Gap, Cibolo Creek, and the Hays County groundwater divide benefit from a more focused investigation, allowing groundwater behavior in these areas to be better understood. In addition, this focused approach increases resolution within the more limited study areas and might provide insight regarding other aspects of the system, such as the Edwards Trinity groundwater interaction along the northern boundary of the Edwards Aquifer Recharge Zone.

As a result of the modified synoptic program, only one measurement event was planned for calendar year 2004; however, the water level at index well J-17 exceeded the previous synoptic high of 697 feet (recorded in November 2002) above mean sea level (msl). The new SWLP high of 701 feet msl occurred after completion of the July 2004 SWLP measurement event. As such, calendar year 2004 consists of two SWLP events, the first in July and the second in December. The July event represents the scheduled annual synoptic event, whereas the December event was performed so that near record high water levels in the aquifer might be recorded. Water levels at the Bexar County index well J-17 were recorded at 701 feet above msl for the December 2004 event, four feet above the previous synoptic program high of 697 feet above msl and close to the historical high of 703 feet above msl for the period of record (1934–2004).

Continuation of the SWLP will aid in the general understanding of water movement within the system, thereby contributing to other OTS objectives, including improved modeling, protection, and optimization of the aquifer. The Authority is currently developing a series of focused synoptic studies, while performing at least one regional synoptic event annually. Should the level of the Edwards Aquifer as measured at index well J-17 exceed or fall below any previously recorded SWLP level, additional regional events will be performed.

Hydrogeology of the Edwards Aquifer

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 near Brackettville in Kinney County, east to the city of San Antonio in Bexar County, then northeast to the groundwater divide near the city of Kyle in Hays County. This segment of the aquifer stretches approximately 180 miles in length and varies in width from 5 to 40 miles. The aquifer is the primary water source for much of the area, including the City of San Antonio.

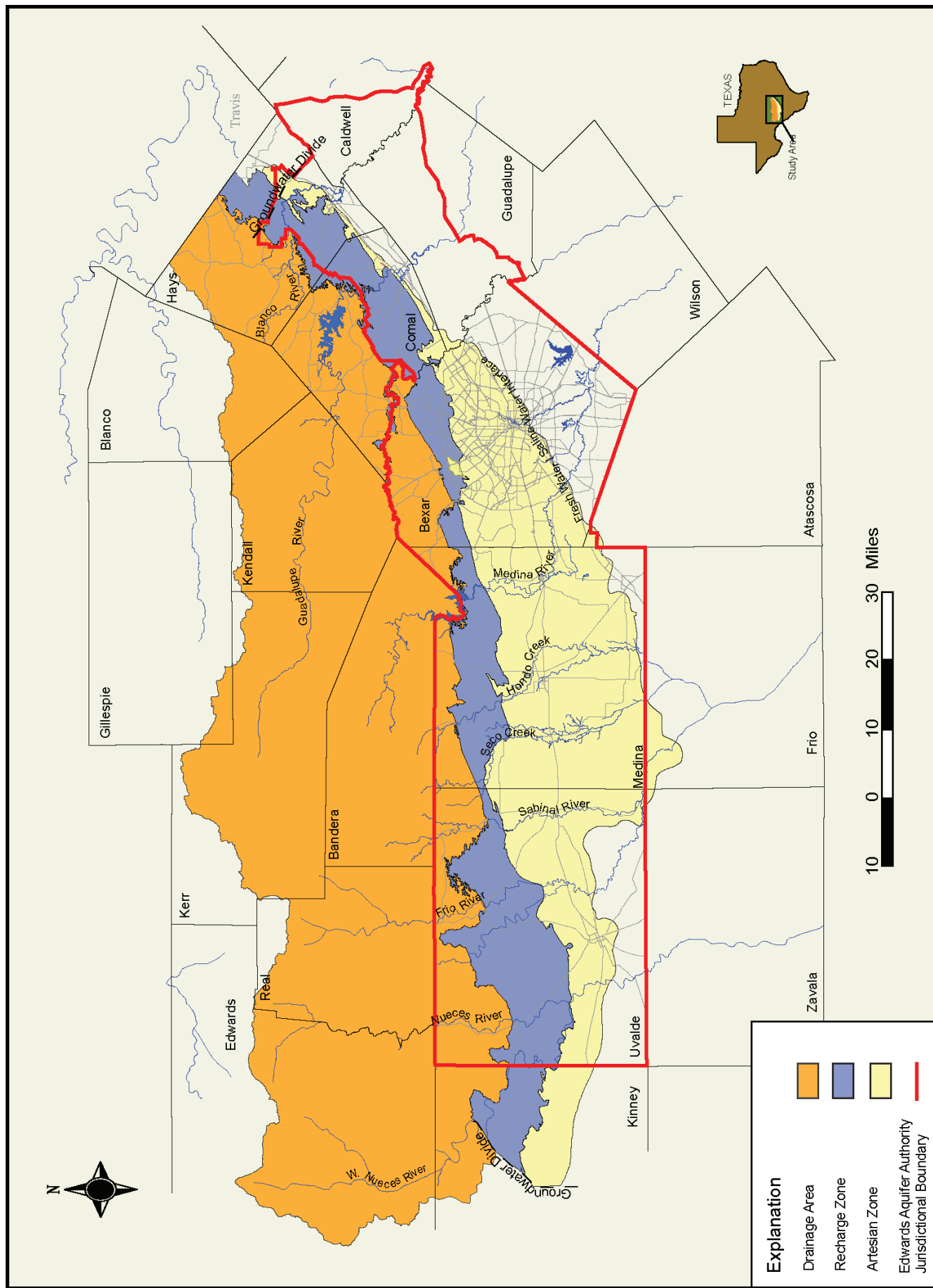
The Edwards Aquifer is contained within the Cretaceous-age Edwards Group limestone (Edwards Limestone) and associated units. The aquifer is generally capped by the Del Rio Clay (upper confining unit) and overlies the Glen Rose Formation (lower confining unit). The Edwards Limestone and associated units 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. This area of exposed Edwards Limestone is frequently referred to as the recharge zone. South and east of the recharge zone, downfaulting has dropped the Edwards Limestone to great depths below the surface. The area where the Edwards Limestone is located below the surface is generally referred to as the artesian zone of the aquifer. Figure 1 shows the study area and details discussed herein.

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 (recharge zone). 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, a portion 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, municipal, irrigation, 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, springs, and a well-integrated subsurface drainage system. It is one of the most productive groundwater systems in the United States, characterized by extremely productive water wells and high spring discharges. The aquifer exhibits extremely high (cavernous) porosity and permeability that is characteristic of many karst aquifers. The Edwards Aquifer transmits very large volumes of water, enabling groundwater levels to respond quickly to rainfall (recharge) events. As a result, delineation of flowpaths can be a difficult process in the aquifer. The current synoptic study will be refined to better delineate flowpaths and anomalous groundwater levels in the aquifer on a localized scale. The synoptic data may also be used to help determine contamination pathways, thus improving the ability to monitor and remediate contaminant events.

Figure 1. San Antonio Segment of the Balcones Fault Zone Edwards Aquifer



Data Acquisition, Validation, and Analyses

Background

Initially (1999–2003), SWLP data were collected three times annually on the basis of aquifer-related events, which are summarized below:

- (1) Pre-irrigation (late January to early February), which often may represent a high level for the year;
- (2) Post-irrigation (mid- to late July); and
- (3) Fall (late October to early November).

For the historical period of record (1934–2004), the mean water level elevations at Bexar County index well J-17 are highest during the pre-irrigation time period. Post-irrigation water levels are close to the mean low elevation for the period of record. Aquifer levels for the fall synoptic event are generally representative of recovery from the high demand months of summer. See Figure 2 for historical daily average water levels at index well J-17.

For the SWLP events reported herein, the number of wells measured across the region ranges from 158 (December 2004) to 242 (October 2003) per event. The average number of wells measured per event is 221. For each event a small percentage of the measured wells were not used in construction of the potentiometric surface maps because of discrepancies with their respective data values. The data sets in Appendix A summarize all wells measured for each synoptic event. Those listed in Appendix B provide a summary of wells not used in construction of the potentiometric surface maps. Well types measured include domestic, observation, municipal, industrial, and irrigation wells. Well distributions encompass the recharge, artesian, and, in some cases, the saline zones of the Edwards Aquifer.

Data Acquisition and Validation

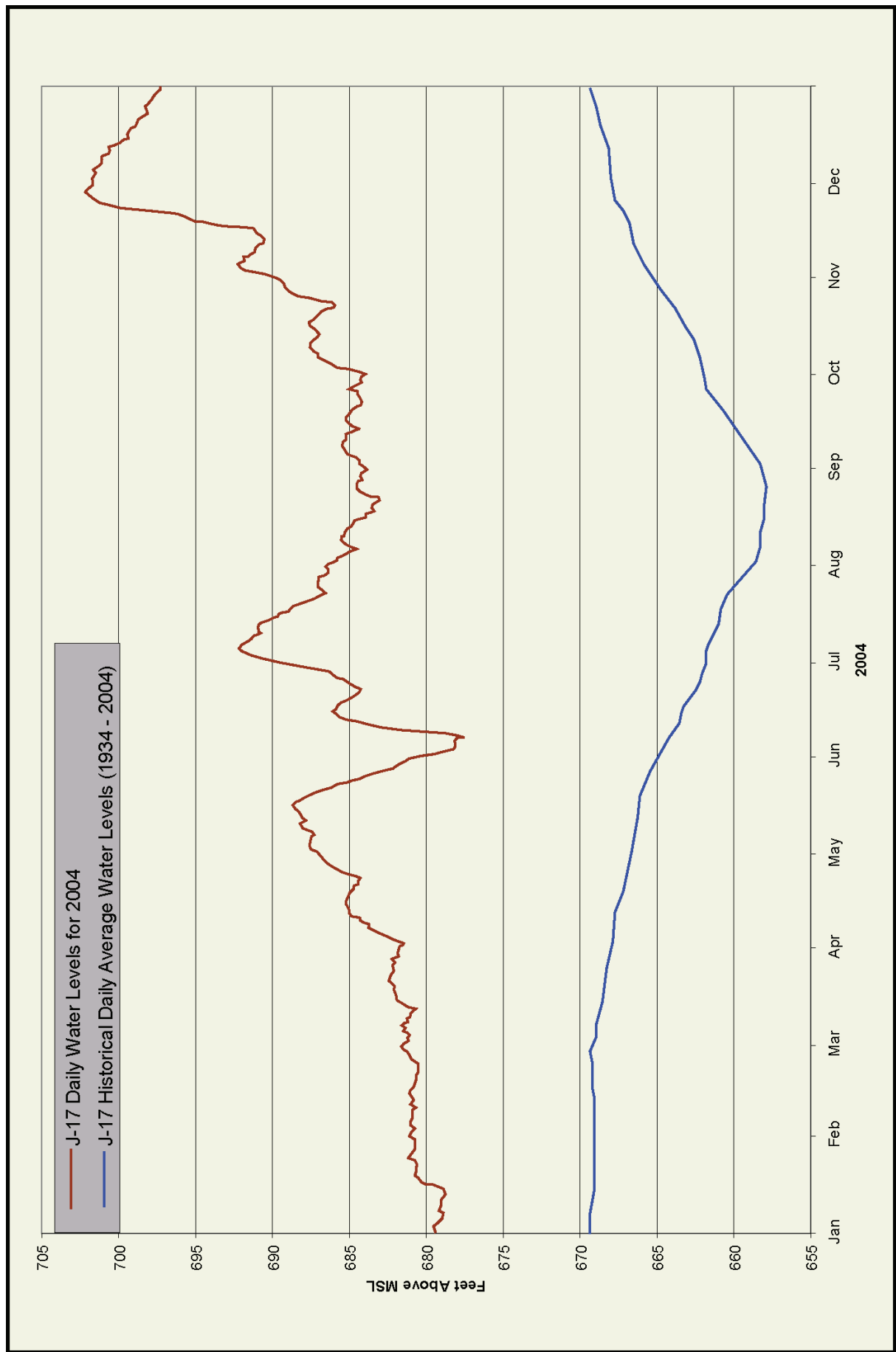
Synoptic water level data are initially acquired in the field using one of the following devices: steel tape, electric line, pressure gauge, or continuous recorder. Generally speaking, the steel tape is the most accurate device for collecting water level information. As measurements are taken, they are recorded in the field on a water level form. These data are subsequently transferred into

an electronic database by Authority staff. Once available electronically, data points are validated for location and elevation accuracy. Location accuracy is validated through the use of ESRI ArcGIS® software. Wells are plotted with aquifer boundaries and county boundaries together on a single map. Incorrectly located wells were either corrected or deleted from the data set for the particular synoptic event. After the “X and Y” location values for each well were validated, groundwater elevations (“Z” values) were validated.

Validation of elevations is accomplished by posting all elevation values for each event on the map and comparing adjacent elevations for relative agreement. Data points with suspicious values were either corrected or not used in compiling the potentiometric surface maps. For example, wells exhibiting apparently anomalous groundwater elevations compared with surrounding wells were examined for measurement errors or other conditions that may cause an apparently anomalous value. If the data point could not be corrected after review of field notes and calculations, the data point in question was not used in map development. After completion of this process, initial potentiometric contours were subsequently generated and checked against point elevations again. This iterative process was conducted for each map and, in some cases, multiple times for various target data groups.

So that artesian zone water levels might be interpreted more accurately, other wells (data points) removed from the data set prior to the development of potentiometric maps include certain saline zone wells. In addition, well number RP-70-38-902 in the recharge zone in Kinney County and wells YP-69-35-401, YP-69-35-804, and YP-69-35-602, in the recharge zone of Uvalde County were not used in compiling potentiometric maps. The Kinney County well did not have sufficient surrounding water level data to justify its use, whereas the Uvalde County recharge zone wells were not used because of questionable water level behavior in these wells, as well as insufficient surrounding water level data. Two of the Uvalde County wells appear to be hydraulically connected to the Frio River, whereas

Figure 2. Comparison of the Historical Daily Average Water Level for the Period of Record, 1934–2004 and the Calendar Year 2004 Daily High Water Level at the Bexar County Index Well, J-17 (AY-68-37-203)



the third does not show any significant water level fluctuations. These wells do not appear to be sensing water levels from the Edwards Aquifer.

Well Surveying and Identification

Many of the wells used for gathering synoptic water level data within the study area initially did not have accurate geographic or elevation information. As such, many wells required coordinate and elevation surveys in order to improve the quality of the data set with respect to locations and groundwater elevations. Therefore, the Authority contracted with a Registered Professional Land Surveyor to perform coordinate and elevation surveys on SWLP wells with missing or questionable location and elevation data. Concurrent with the SWLP well survey effort, additional wells were surveyed under the same project in order to establish accurate location and elevation data for wells used as calibration points for an aquifer-modeling project. Approximately 400 wells were therefore identified by the Authority and surveyed by a contractor, or by staff in some cases, between calendar years 2002 and 2003. Wells were surveyed for location and elevation accuracy using a surveyor's-grade global positioning system (GPS) to collect latitude, longitude, and elevation data at each well. The location data were reported in degrees, minutes, and seconds in the NAD83 horizontal coordinate system, and the elevation data were reported in the NAVD88 vertical coordinate system accurate to within three inches. SAWS production wells were surveyed by the SAWS professional survey crew (Denise Renaghan, SAWS, written communication).

The BS/EACD staff provided the locations and elevations for a series of monitoring wells in the BS/EACD's jurisdiction. The wells within the BS/EACD were surveyed using a Trimble GPS Pathfinder Pro XRS unit, which receives a beacon signal and differentially corrects for position in real time. The BS/EACD location data were reported in the WGS84 or NAD83 horizontal coordinate system, and the elevation data were reported in the NAVD88 vertical coordinate system, accurate within one to three feet (Stefani Helcamp, BS/EACD, written communication).

To be useful to the investigation, in addition to the requirement of accurate location and elevation

data, each data point or well must have a unique identifier. Wells for this project are identified primarily by using the TWDB well numbering system (see Appendix D for additional information regarding the TWDB well numbering system). Wells without a state well number were assigned a unique pseudo-number on the basis of the well numbering system discussed in Appendix D.

Data Analyses

Once validated, data sets for individual events were plotted using Golden Software's Surfer® Version 8 surface mapping software. Plotting involves grouping point data into groups on the basis of geographic location. These groups are referred to herein as target areas. Maps for which the recharge and artesian zones were plotted separately (two-system maps) typically had four target areas for the recharge zone and four, or sometimes five, target areas for the artesian zone. Maps for which the recharge and artesian zones were plotted together had a total of four target areas. The target data sets provide a more representative picture of the area modeled by limiting the area of interest to those that are adequately populated for the geographic area being modeled. Generally these geographically limited data sets provide improved results when using the kriging algorithm in Surfer®, as compared with plotting the entire region as a single data group. Figures 3 and 4 demonstrate this approach of using target data sets for modeling the data. In some cases, a limited number of wells may appear in two target areas for continuity between data sets. For example, a few wells along the Bexar/Medina county boundary were used in target data sets T1 and T2 of Figure 4.

Once plotted, potentiometric contours were exported to ArcGIS® and overlaid with county and aquifer boundaries. The combined geographic information was then exported into Adobe Illustrator® for final graphic presentation, where data points were checked against equipotential lines in the map. The maps are representative of the general potentiometric surface in the aquifer at the time that the synoptic data were gathered. The completed potentiometric surface maps are located in Appendix C for all synoptic events.

Figure 3. Two-System Maps Target Data Groups

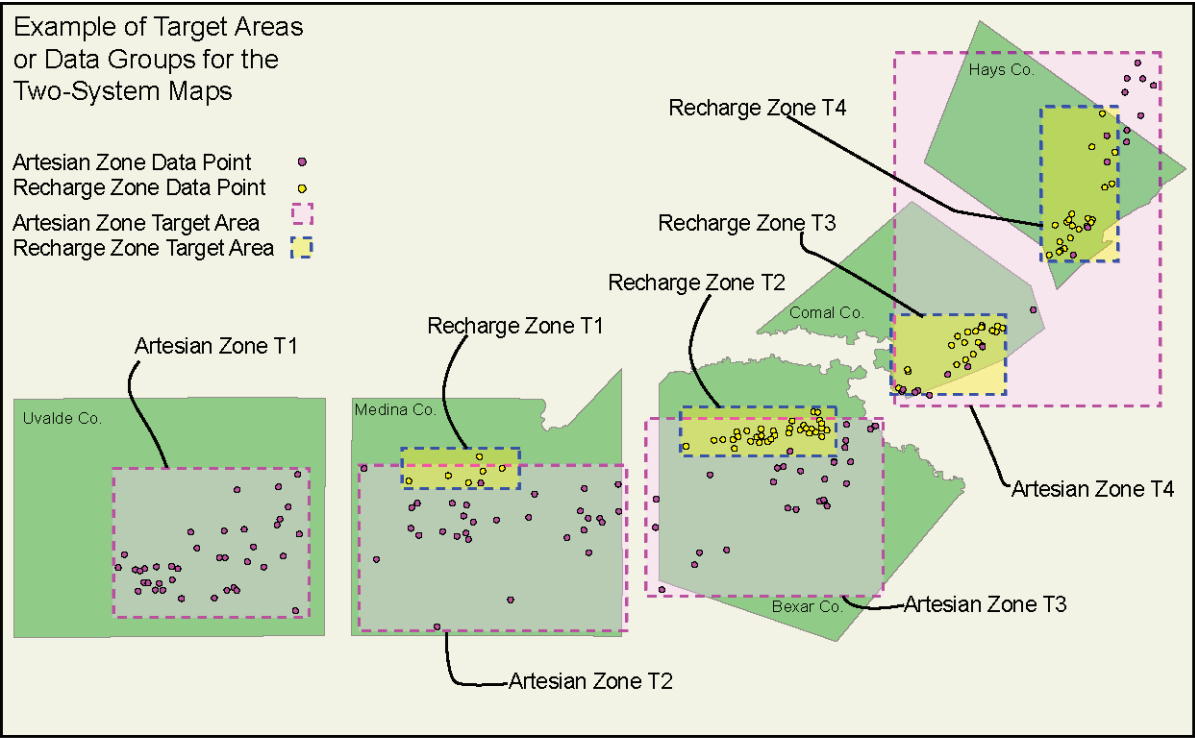
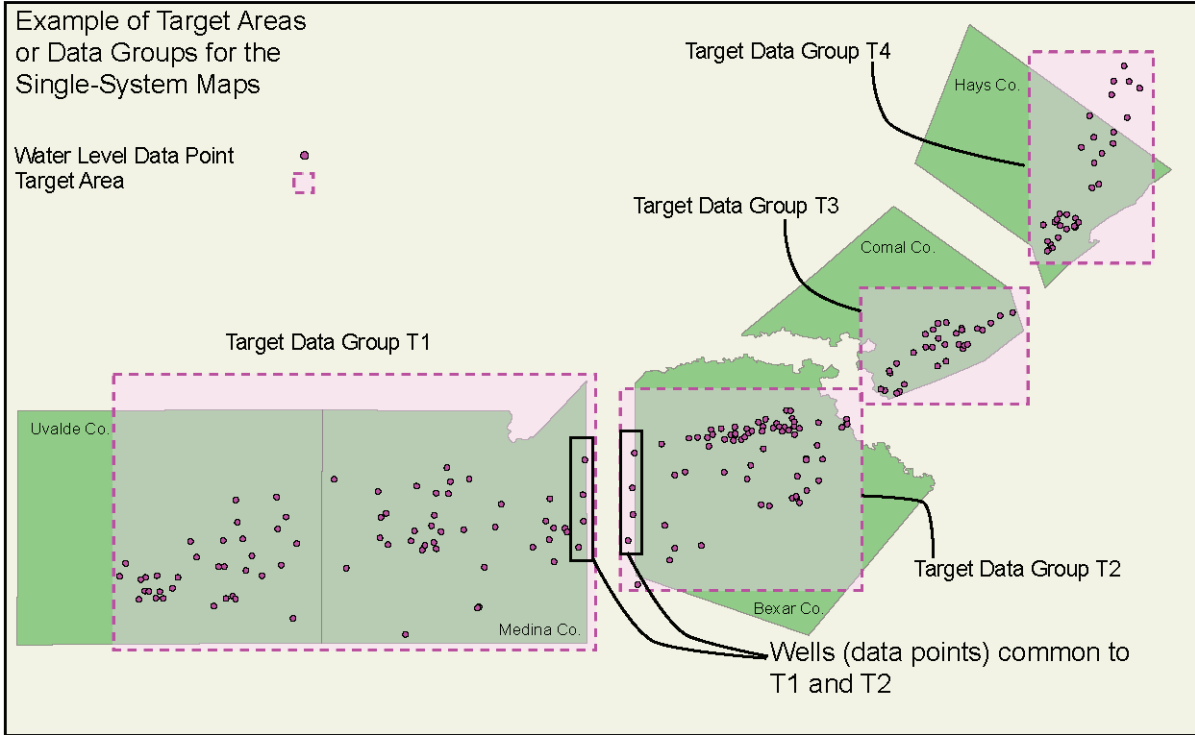


Figure 4. Single-System Maps Target Data Groups



Data Gaps

All of the data sets have some areas with data gaps, or lack of groundwater elevation points, within them. Although this issue has been reduced in severity during the evolution of the program, the following areas would benefit greatly from additional detail:

- Kinney County—All (currently only one well is regularly measured here).
- Uvalde County—Recharge zone (all), artesian zone along the east and west boundaries of Uvalde County.
- Medina County—Recharge zone in the west and far-east parts of the county, artesian zone in the west, south, and southeast parts of the county. Also that part of the artesian zone south of the Medina County line.
- Bexar County —Recharge zone northeast and far-west parts of the county, artesian zone in the west-central part of the county.
- Comal County—Recharge zone in north, northwest, and northeast parts, and artesian zone in the far-southeast end.
- Hays County—Recharge zone coverage is generally sparse, and the study would benefit from additional data points throughout this area; artesian zone in the central parts of the county.

Observation of the SWLP data gaps has spurred interest in focusing the SWLP to data collection within a single county or limited parts of multiple counties. Groundwater elevations could potentially be collected across the artesian and recharge zones, as well as the southern end of the drainage area under this program. However, obtaining well location data, survey data, and permissions to access wells in this manner is time consuming, effectively reducing the number of data collection events that may be performed annually. For example, obtaining access to an adequate number of wells to perform a high data density focused synoptic event could take between one and two years.

Sources of Error

Although significant effort has been made toward data validation and error reduction, the potential for errors within the data set remains. Detailed well logs for many of the measured wells do not exist, nor is it feasible to obtain such information. Many of the wells are not fully penetrating, and a few may be completed through more than one water-bearing formation (i.e., Edwards-Trinity, or Austin-Buda-Edwards). Wells completed in multiple formations could result in a groundwater elevation measurement that reflects an anomalous value with respect to the Edwards Aquifer. In addition, wells that are not fully penetrating may exhibit differing water levels between the top and bottom of the Edwards Limestone for some areas within the region. It is also possible that some wells in the recharge zone may be influenced by the underlying Trinity Aquifer, which may affect groundwater elevations at that point. Additionally, the potential for measurement error always exists, as do incorrect survey data or wells affected by drawdown due to pumping. Another possible issue is related to response time from recharge events. Recharge zone wells may respond almost immediately in some cases to a recharge event, whereas artesian zone wells may not respond for a period of days or not at all. Recharge zone wells may also respond with a sharp increase in water level, whereas artesian zone wells are usually “buffered” in their response and may show only a small percentage of increase in water level. The response issue would be of significance if a heavy rainfall event occurred during the measurement process. All of the listed error sources would influence the two-system maps more significantly than the single-system maps.

Study Results

To date, the SWLP has yielded a comprehensive set of regional potentiometric surface maps for wide-ranging aquifer conditions. Between 1999 and 2004, water levels in the Edwards Aquifer fluctuated 56 feet, from a low of 645 feet msl to a high of 701 feet msl, as measured at Bexar County index well J-17. The potentiometric surfaces represented by the maps may be correlated with index wells J-27 in Uvalde and J-17 in San Antonio, as well as with springflow rates at Comal and San Marcos springs. These water levels and springflow rates are included on each map for each synoptic measurement event, satisfying the objective of providing good calibration points (water levels) for aquifer modeling, as well as producing potentiometric (water level contour) maps. The maps are also useful for delineation of the general shape of the aquifer's water surface over a wide range of conditions.

Study results indicate flow across the region to be from west to east between Uvalde, Medina, and Bexar counties. In Bexar County, the groundwater gradient takes a more northeasterly direction and continues through Hays County. However, gradients become slightly more complex for the two-system maps, where recharge zone flow directions are much more variable and change by county. In addition, the two-system maps provide better detail regarding groundwater divide definition along the Hays and Travis county boundary. Whereas these maps may not reveal many of the potential local variations that most likely occur in the groundwater gradient across the region, they do provide representative detail for the number of data modeled. The lack of local resolution is due primarily to the number of data points versus the size of the area modeled. This lack of local resolution becomes apparent when comparing the detail obtained in the recharge zone of Bexar County with that of other areas modeled in this study.

Some areas within the maps exhibit notable variations in groundwater gradient behavior. As mentioned for the two-system maps, the recharge and artesian zones frequently exhibit significantly different groundwater levels and gradients in many areas. Furthermore, the two-system maps indicate northern Hays and southern Travis counties as the

probable location of a groundwater divide. For all of the maps, the Knippa Gap area is another area of interest. Water levels to the west of the Knippa Gap appear to be consistently higher and show little fluctuation when compared with levels in Medina, Bexar, Comal, and Hays counties.

Developing potentiometric surface maps with more data points for a smaller area would enhance resolution and most likely improve the overall understanding of local variations in groundwater gradients across the area. Another possibility is to plot the existing data at an enhanced scale. In some areas doing so would result in significantly more detail. The recharge zone in Bexar County is a good candidate area. The lack of resolution with regard to localized variations makes a focused synoptic program appealing. The focused approach will provide greater detail regarding local variations in the potentiometric surface by increasing data coverage per unit of area. As may be seen in the maps (Appendix C), data coverage is sparse in most areas. The area with the most coverage is the recharge zone of Bexar County.

Two-System Maps

As discussed previously, five of the SWLP potentiometric surface maps model recharge and artesian zones separately or as two systems. In general, this approach provides a more detailed representation of variations in groundwater gradients between the artesian and recharge zones of the aquifer. The most prominent differences between the two-system and single-system maps appear to be in the area of Comal and San Marcos springs for all five maps. Another interesting difference between artesian and recharge zone behavior occurs in the two-system map for Medina County for July and December 2004. Just east of the central part of the county, the recharge zone gradient varies by roughly 90° from the artesian zone gradient. The December 2004 map also provides good detail in the Bexar County recharge zone, indicating some of the local variations in groundwater gradient present in this area.

As previously mentioned, data-point resolution is fairly high in north Bexar County. The resulting

detail is summarized in Figure 5, where contours for the Synoptic Program's high and low water level values are displayed simultaneously for this area. The synoptic low value at index well J-17 is 645 feet msl, recorded in July 2000. The synoptic high value at index well J-17 is 701 feet msl, recorded in December 2004. In Figure 5, red contours represent the high value, whereas blue contours represent the low value. Note the contour lines adjacent to points A and B in the figure. Starting at these points moving along a north-northwest trend line, the contours curve in opposite directions between the two events. This change in curvature appears to indicate a fluctuation in flowpath behavior for different water levels in these areas. At point A the July 2000 (low) water level appears to indicate that flow is dispersed to the southwest and southeast adjacent to and northwest of this point. However, the December 2004 (high) water level at point A appears to indicate that flow is concentrated along this general trend line. The opposite is true for

point B, where the July data indicate a concentration of flow from this point north and northwest, whereas the December data indicate that flow appears to be dispersed to the southwest and southeast along the same trend line. Although further study will reveal more information regarding this behavior, it appears that different flowpaths may be active within the same area as a result of changes in aquifer levels.

Another aspect of the two-system maps is the inclusion of fault data in the map. Faults as mapped by the USGS (1994, 1995, 1997, 2000, 2003) and the Bureau of Economic Geology have been combined and included in the two-system maps. Incorporating fault data for these maps enables the user of the data sets to ascertain potential relationships between structure and groundwater gradients.

The SWLP events plotted as two-system maps were selected on the basis of the criteria outlined in Table 2, below.

Table 2. Summary of Two-System Potentiometric Surface Maps

SWLP Map Date	Groundwater Elevation at Bexar County Index Well J-17	Groundwater Elevation at Uvalde County Index Well J-27	Criteria for Selection
July 17 through July 25, 2000	645' msl ¹	869' msl ²	SWLP lowest groundwater level event.
October 29 through November 2, 2001	675' msl	875' msl	SWLP event with water level closest to the mean (SWLP) groundwater level of 677' msl.
November 12 through November 19, 2002	697' msl	882' msl	SWLP initial maximum, plotted prior to new maximum value reached in December 2004.
July 19 through July 30, 2004	687' msl	882' msl	SWLP event for which additional data were available near the Hays County groundwater divide and Medina County recharge zone. Plotted as a two-system map to better define the potentiometric surface in these areas.
December 6 through December 13, 2004	701' msl ³	884' msl ⁴	SWLP maximum groundwater level event.

Notes: msl = mean sea level; readings are in feet above mean sea level

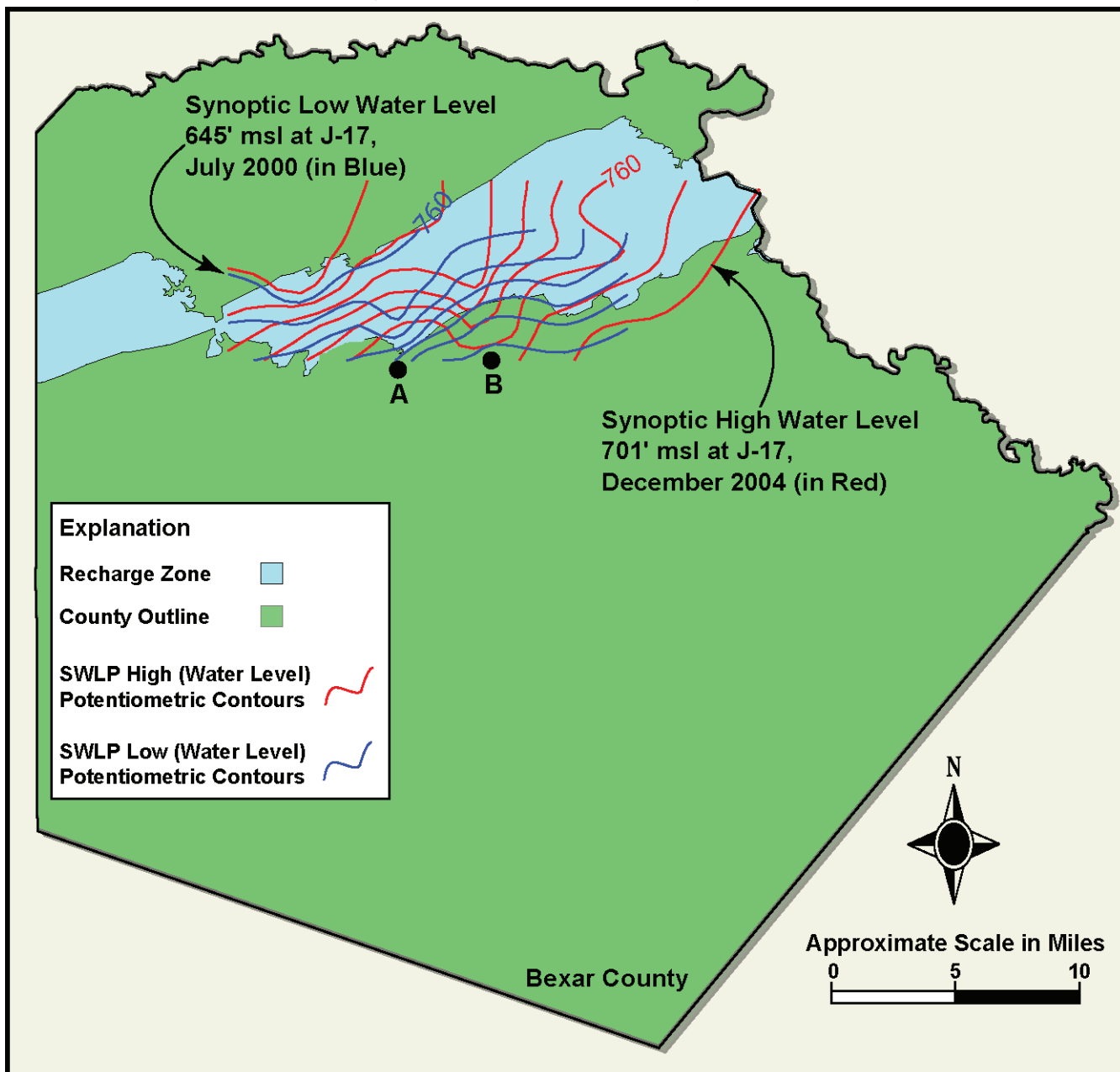
¹ = SWLP low value for index well J-17

² = SWLP low value for index well J-27

³ = SWLP high value for index well J-17

⁴ = SWLP high value for index well J27

Figure 5. Comparison of High and Low Synoptic Water Levels in Bexar County Recharge Zone



Single-System Maps

Eleven of the SWLP events were modeled as single-system maps, in which all data points were treated as a single system, making no distinction between artesian or recharge zone. These maps do not exhibit the same variations or resolution between recharge and artesian zones as do the two-system maps. However, they are useful for displaying a general groundwater gradient for the aquifer, when modeled as a single homogeneous system. Local variations certainly exist within the groundwater surface across the area, but as previously discussed,

additional data points and/or different plotting methods are required in order for this level of resolution to be obtained.

The October 1999 and October 2000 maps have the same groundwater elevations at index well J-17 (662 feet msl); however, the index well J-27 groundwater elevations differ slightly (879 feet msl versus 869 feet msl at index well J-27). In addition, some variation in lines of equipotential may occur because of variations in the data set, such as inclusion or exclusion of different wells between events.

Table 3. Summary of Single-System Potentiometric Surface Maps

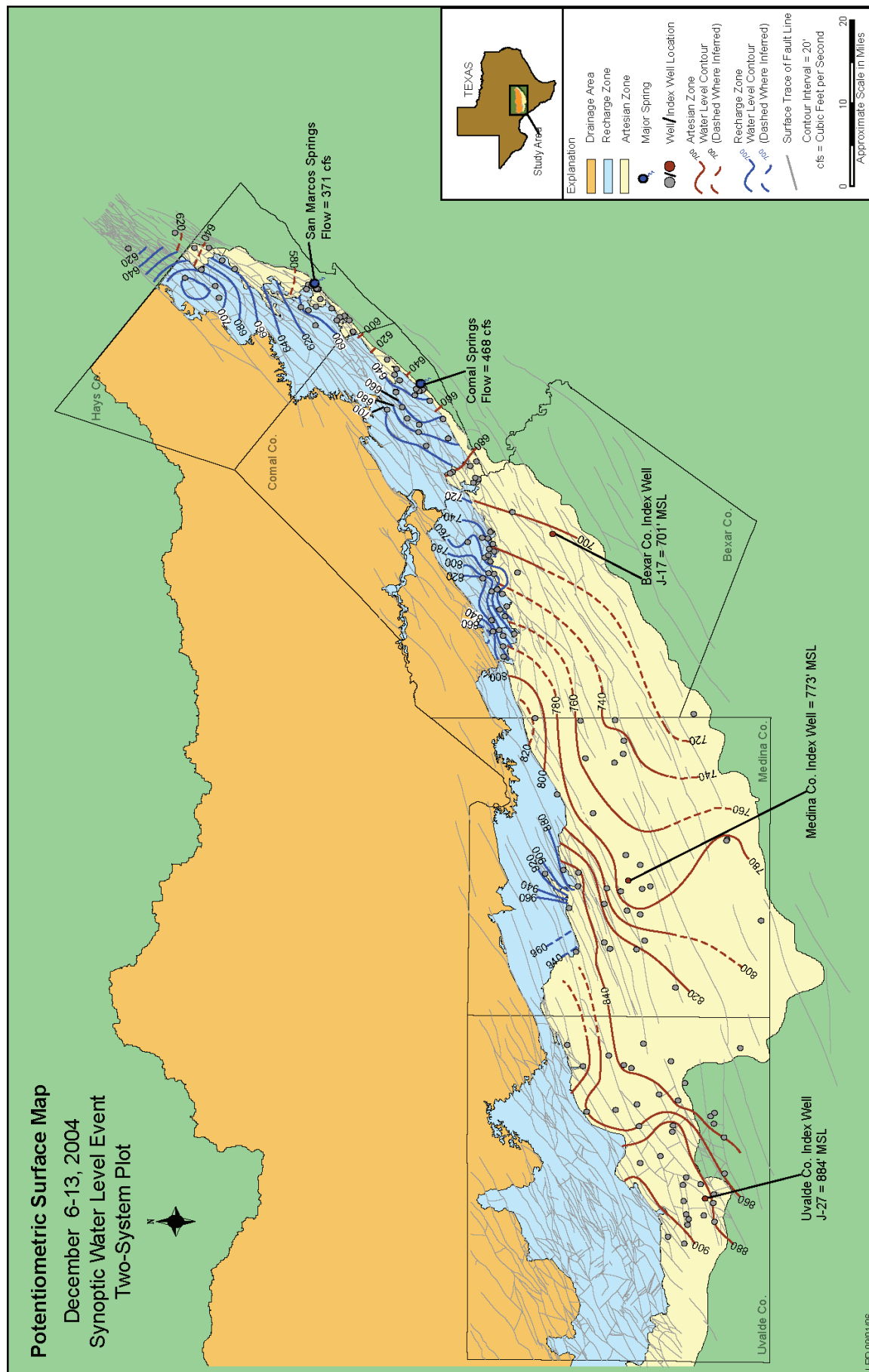
SWLP Map Date	Groundwater Elevation at Bexar County Index Well J-17	Groundwater Elevation at Uvalde County Index Well J-27	Comments
July 19 through July 23, 1999	674' msl	881' msl	(Index well J-17 within one foot of two-system map for 10/2001)
October 25 through October 29, 1999	662' msl	879' msl	
January 23 through February 3, 2000	664' msl	878' msl	
October 30 through November 3, 2000	662' msl	869' msl	(Index well J-27 = same level for July 2000, two-system map)
February 9 through February 16, 2001	680' msl	875' msl	(Index well J-27 = same level for October 2001, two-system map)
July 23 through July 27, 2001	658' msl	873' msl	
January 28 through February 4, 2002	682' msl	878' msl	
July 23 through August 2, 2002	689' msl	878' msl	
February 3 through February 7, 2003	697' msl	882' msl	(Index well J-17 = same level for November 2002, two-system map)
July 21 through July 25, 2003	684' msl	879' msl	
October 24 through October 31, 2003	683' msl	880' msl	

Notes: msl = mean sea level; readings are in feet above mean sea level

Differences between the two map types are summarized in Figures 6 and 7. Figure 6 provides an example of a two-system map for the December 2004 SWLP event. Figure 7 provides an example of a single-system map for the July 1999 SWLP event. As can be seen in the maps, the general shape

of the water surface (as represented by the contour lines) is similar for both maps for the artesian part of the aquifer. However, significant differences can be noted for the recharge zone area of the two-system map in Figure 6.

Figure 6. Two-System Map for December 2004



Potentiometric Surface Map
July 19-23, 1999
Synoptic Water Level Event
Single System Plot



Recommendations and Conclusions

The SWLP provides excellent data regarding groundwater levels and potential flowpaths within the Edwards Aquifer. Compilation and reporting of these data by the Authority will help to further the overall understanding of groundwater behavior within the system, as well as aid in the recognition of areas where further study is required. This report is not intended as a comprehensive study of the data sets, or of the hydrogeologic factors affecting groundwater behavior in the aquifer. Rather, it is a forum for providing interested parties access to the data from a single source. The report is also aimed at satisfying the original intent of the TAG, which is to obtain water level data for model calibration efforts and develop potentiometric surface maps for the region. Furthermore, the report provides a set of maps that model the data in two ways: two-system models for five of the events and single-system models for the remaining 11 events. Interested parties may wish to plot or model the data differently in order to obtain enhanced detail in particular areas.

Areas that exhibit potentiometric or water surface variations worthy of further study include the Knippa Gap, Comal and San Marcos springs, northern Hays County, and the recharge zone in Bexar and Medina counties. It is likely that additional variations may be seen as data density is increased through efforts of the focused synoptic program. Many areas would benefit from focused synoptic events and/or inclusion of additional wells in the data collection process, including the recharge zone in Uvalde, Medina, Comal, and Hays counties, as well as parts of the artesian zone throughout the region. In addition, performing focused events that investigate the Trinity Aquifer system simultaneously with the Edwards Aquifer Recharge Zone may aid in our understanding of the interactions between these two aquifers.

In conclusion, the synoptic data reported herein effectively summarize the shape of the water surface in the Edwards Aquifer on a regional scale for a range of aquifer water levels. This summary was

accomplished by collection, validation, and analysis of the 16 synoptic data sets included herein. The study also indicates that localized variations exist in the aquifer's flow regime, with the most prominent variations apparently occurring between recharge and artesian zones. The study has also confirmed the need to collect focused synoptic data in order for more insight to be gained with regard to flowpaths within the aquifer. The variations detected in the recharge zone of Bexar County confirm the efficacy of additional data points (see Figure 5).

In the future, combining the results of this and future synoptic work with the results of other flowpath studies should also be beneficial to the science base for the Edwards Aquifer. For example, tracer study locations may be selected on the basis of synoptic results or combined with synoptic results to better define our understanding of the system.

This study has also effectively identified areas in need of more detailed investigation, such as the Knippa Gap, Cibolo Creek area, Hays County groundwater divide, and the interface between the Trinity and Edwards aquifers, as well as the recharge and artesian zone boundary within the Edwards Aquifer.

The Authority will continue to collect regional synoptic data annually with the help of cooperators. Without the cooperative effort of these entities, it would be impossible to collect the quantity or quality of data across the entire region that have been obtained in the past. In future years, the regionwide data collection event will be limited to one or two annual events, if water levels do not exceed or fall below previously recorded levels. However, the program will be modified to include a series of focused synoptic events over time, as well as an annual regionwide event. Collection of regional and focused synoptic data will help to improve the general understanding of the system and the flowpaths that exist within it.

Acknowledgments

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Resources Division—San Antonio Subdistrict, Barton Springs/Edwards Aquifer Conservation District (BSEACD), Texas Water Development Board (TWDB), and the Edwards Aquifer Research and Data Center (EARDC) for their efforts in measuring and compiling water levels from Edwards Aquifer wells.

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Appendix A

Synoptic Water Level Program Data Tables

Table A-1. Water levels collected during the July 19 through July 23, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
6821802	7/22/1999	Bexar	293747.87	982728.33	1.58	989.71	729.35	Recharge Zone
6821806	7/19/1999	Bexar	293745.73	982654.56	2.38	950.66	727.58	Recharge Zone
6827307	7/19/1999	Bexar	293507.78	983750.92	1.10	990.74	797.26	Recharge Zone
6827401*	7/20/1999	Bexar	293310.23	984440.12	2.45	1,031.45	928.71	Recharge Zone
6827517	7/19/1999	Bexar	293358.60	984054.19	2.05	997.39	767.25	Recharge Zone
6827609	7/19/1999	Bexar	293404.55	983941.82	-0.33	960.43	759.04	Recharge Zone
6827610	7/19/1999	Bexar	293251.78	983808.31	2.11	901.81	736.76	Recharge Zone
6827611	7/19/1999	Bexar	293429.12	983738.55	-0.23	964.16	761.68	Recharge Zone
6827612	7/19/1999	Bexar	293403.40	983820.23	2.83	957.84	754.93	Recharge Zone
6828113	7/19/1999	Bexar	293516.48	983627.53	-0.45	1,022.33	782.55	Recharge Zone
6828210	7/19/1999	Bexar	293530.42	983433.97	-0.37	984.27	770.81	Recharge Zone
6828211	7/19/1999	Bexar	293516.12	983254.88	2.65	974.30	749.66	Recharge Zone
6828313	7/19/1999	Bexar	293635.42	983021.73	2.50	948.81	736.55	Recharge Zone
6828314	7/19/1999	Bexar	293534.92	983040.73	1.40	900.53	721.53	Recharge Zone
6828315	7/19/1999	Bexar	293611.27	983118.89	-0.20	946.75	718.09	Recharge Zone
6828406	7/19/1999	Bexar	293349.54	983558.21	0.80	978.72	736.47	Recharge Zone
6828407	7/19/1999	Bexar	293424.74	983508.18	-0.22	1,000.03	752.57	Recharge Zone
6828512	7/22/1999	Bexar	293425.39	983430.47	1.41	951.16	749.83	Recharge Zone
6828515	7/19/1999	Bexar	293347.72	983340.89	2.16	975.69	722.23	Recharge Zone
6828516	7/19/1999	Bexar	293339.23	983447.08	1.46	947.65	728.66	Recharge Zone
6828517	7/19/1999	Bexar	293435.68	983430.17	2.54	963.84	763.72	Recharge Zone
6828518	7/19/1999	Bexar	293438.48	983241.66	2.45	926.61	728.50	Recharge Zone
6828519	7/19/1999	Bexar	293408.41	983312.86	-0.30	926.84	726.04	Recharge Zone
6828608	7/21/1999	Bexar	293456.85	983048.92	1.90	858.08	696.79	Recharge Zone
6828609	7/19/1999	Bexar	293458.65	983213.64	-0.30	926.25	723.18	Recharge Zone
6828909	7/19/1999	Bexar	293026.00	983132.00	1.50	783.03	675.78	Artesian Zone
6828920	7/21/1999	Bexar	293230.20	983038.66	0.75	924.96	683.06	Artesian Zone
6828921	7/19/1999	Bexar	293015.00	983222.00	1.10	823.44	676.77	Artesian Zone
6829103	7/21/1999	Bexar	293522.52	982916.82	0.61	952.51	707.00	Recharge Zone
6829112	7/19/1999	Bexar	293558.82	982848.38	2.38	889.00	714.22	Recharge Zone
6829113	7/19/1999	Bexar	293534.14	982828.20	1.52	885.91	717.68	Recharge Zone
6829114	7/19/1999	Bexar	293528.38	982743.41	-0.30	852.60	718.48	Recharge Zone
6829213	7/19/1999	Bexar	293504.46	982708.79	1.30	851.86	696.48	Recharge Zone
6829214	7/19/1999	Bexar	293519.61	982541.04	-0.40	809.91	694.60	Recharge Zone
6829215	7/19/1999	Bexar	293537.05	982623.96	2.10	827.00	704.77	Recharge Zone
6829216	7/19/1999	Bexar	293642.71	982639.92	-0.40	923.70	721.08	Recharge Zone
6829217	7/19/1999	Bexar	293614.86	982623.39	-0.40	919.90	719.69	Recharge Zone
6829418	7/19/1999	Bexar	293455.95	982802.28	2.26	828.15	710.94	Recharge Zone
6829506	7/20/1999	Bexar	293428.56	982620.57	1.35	788.00	678.01	Recharge Zone
6829605	7/20/1999	Bexar	293300.14	982313.51	-2.20	808.08	677.45	Artesian Zone
6829611	7/19/1999	Bexar	293358.00	982307.00	2.80	829.80	666.86	Artesian Zone
6829913	7/19/1999	Bexar	293151.00	982242.00	1.75	815.75	669.73	Artesian Zone
6830807	7/20/1999	Bexar	293129.52	981745.95	1.00	752.90	671.41	Artesian Zone
6835106	7/19/1999	Bexar	292855.00	984250.00	1.20	959.51	692.54	Artesian Zone
6835202	7/21/1999	Bexar	292920.09	984126.72	1.40	848.57	699.16	Artesian Zone
6836103	7/19/1999	Bexar	292918.00	983603.00	2.16	907.26	677.26	Artesian Zone
6836206	7/19/1999	Bexar	292821.00	983253.00	4.20	756.23	669.69	Artesian Zone
6836512	7/19/1999	Bexar	292621.00	983347.00	2.30	684.83	676.83	Artesian Zone
6836901	7/22/1999	Bexar	292449.30	983056.77	3.21	637.24	672.21	Artesian Zone
6837103	7/19/1999	Bexar	292950.00	982913.00	1.00	729.53	674.53	Artesian Zone
6837203	7/22/1999	Bexar	292844.86	982557.39	0.30	730.81	673.96	Artesian Zone
6837304	7/20/1999	Bexar	292808.33	982301.84	2.30	702.68	675.03	Artesian Zone
6837521*	7/19/1999	Bexar	292505.56	982539.63	3.70	620.00	673.20	Saline Zone
6837522*	7/19/1999	Bexar	292506.39	982540.27	3.70	620.00	675.20	Saline Zone
6837523*	7/19/1999	Bexar	292505.99	982539.96	3.60	620.00	672.60	Saline Zone

Table A-1. Water levels collected during the July 19 through July 23, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
6837524	7/19/1999	Bexar	292544.35	982640.13	4.10	626.00	677.60	Artesian Zone
6837525	7/19/1999	Bexar	292545.31	982600.94	5.00	624.00	673.00	Artesian Zone
6837526	7/19/1999	Bexar	292555.73	982607.33	2.90	642.00	676.15	Artesian Zone
6837527	7/19/1999	Bexar	292556.75	982607.36	3.40	641.00	675.40	Artesian Zone
6837606	7/23/1999	Bexar	292646.43	982440.21	0.90	677.68	674.85	Artesian Zone
6843606	7/22/1999	Bexar	291910.97	983912.00	1.83	619.96	691.09	Artesian Zone
6843607	7/22/1999	Bexar	291845.83	983348.73	2.59	606.96	681.45	Saline Zone
68302BB	7/20/1999	Bexar	293555.87	981906.51	1.25	763.50	663.46	Artesian Zone
68302CC	7/20/1999	Bexar	293528.90	981949.80	1.00	783.84	663.29	Artesian Zone
68307AA	7/20/1999	Bexar	293104.54	982228.99	1.05	819.10	669.50	Artesian Zone
68431AA	7/20/1999	Bexar	292157.44	984413.94	1.00	717.01	694.14	Artesian Zone
68437AA	7/20/1999	Bexar	291711.08	984331.52	3.10	639.33	672.43	Artesian Zone
6815803*	7/22/1999	Comal	294609.50	981144.15	1.20	954.97	692.15	Recharge Zone
6815809	7/22/1999	Comal	294615.40	981035.31	0.35	908.39	661.80	Recharge Zone
6815907	7/19/1999	Comal	294516.81	980822.39	1.60	706.48	629.03	Recharge Zone
6815912	7/19/1999	Comal	294516.23	980827.60	1.20	693.79	631.36	Recharge Zone
6816602*	7/19/1999	Comal	294738.93	980127.10	0.20	608.05	602.29	Saline Zone
6816701	7/19/1999	Comal	294526.19	980617.24	2.00	711.57	614.59	Transition Zone
6816703	7/19/1999	Comal	294513.18	980535.23	0.70	700.54	609.69	Transition Zone
6816801	7/19/1999	Comal	294712.36	980310.32	0.50	752.83	610.33	Saline Zone
6816803*	7/19/1999	Comal	294611.70	980426.77	1.50	725.39	613.03	Transition Zone
6822602	7/16/1999	Comal	294039.12	981725.35	0.65	913.89	659.04	Recharge Zone
6822603	7/16/1999	Comal	294208.09	981505.67	1.28	945.66	675.27	Recharge Zone
6822604	7/16/1999	Comal	294152.92	981531.53	1.26	911.73	676.02	Recharge Zone
6822810	7/16/1999	Comal	293936.98	981825.52	1.30	889.43	674.00	Transition Zone
6822911	7/16/1999	Comal	293745.77	981620.67	1.00	770.49	658.92	Transition Zone
6823104*	7/22/1999	Comal	294440.35	981327.28	0.95	996.38	714.98	Recharge Zone
6823105	7/22/1999	Comal	294253.78	981323.66	1.57	984.88	658.11	Recharge Zone
6823208	7/22/1999	Comal	294405.65	981140.01	0.25	887.63	650.26	Recharge Zone
6823209	7/22/1999	Comal	294314.84	981044.39	0.83	862.03	640.66	Recharge Zone
6823210	7/22/1999	Comal	294252.26	981228.97	0.32	920.23	648.09	Recharge Zone
6823302	7/21/1999	Comal	294248.87	980818.08	1.00	642.59	627.00	Recharge Zone
6823304	7/21/1999	Comal	294240.00	980818.00	0.36	626.17	638.00	Artesian Zone
6823306	7/22/1999	Comal	294446.34	980914.21	0.10	807.67	634.74	Recharge Zone
6823309	7/22/1999	Comal	294307.20	980806.87	0.00	736.21	624.67	Recharge Zone
6823316	7/22/1999	Comal	294316.92	980852.46	1.06	806.52	621.52	Recharge Zone
6823319	7/19/1999	Comal	294315.63	980739.64	1.50	627.63	623.51	Recharge Zone
6823502	7/20/1999	Comal	294056.25	981036.24	1.65	679.52	643.77	Recharge Zone
6823504	7/20/1999	Comal	294016.88	981147.10	3.40	706.18	646.08	Recharge Zone
6823507	7/20/1999	Comal	294120.79	981157.23	1.30	872.82	645.42	Recharge Zone
6823602	7/20/1999	Comal	294206.76	980904.03	1.35	703.01	636.46	Recharge Zone
6823621	7/20/1999	Comal	294140.03	980933.02	0.87	670.81	640.62	Recharge Zone
6823709	7/20/1999	Comal	293825.55	981359.22	0.45	714.11	669.67	Artesian Zone
6823710	7/20/1999	Comal	293948.35	981409.73	0.85	815.67	648.59	Recharge Zone
6830208	7/21/1999	Comal	293636.78	981910.49	2.11	798.09	664.00	Artesian Zone
5842819	7/19/1999	Hays	301539.62	974903.26	N/A	672.94	458.03	Artesian Zone
5850221	7/19/1999	Hays	301331.61	974822.28	N/A	675.60	464.78	Artesian Zone
5850301	7/19/1999	Hays	301237.25	974653.70	N/A	652.21	481.69	Artesian Zone
5850801	7/19/1999	Hays	300834.12	974838.72	N/A	662.08	561.10	Artesian Zone
5857903	7/19/1999	Hays	300218.59	975310.20	N/A	824.02	612.80	Artesian Zone
5858101	7/19/1999	Hays	300500.89	975033.50	N/A	707.25	585.50	Artesian Zone
5858123	7/19/1999	Hays	300633.95	975030.23	N/A	700.89	577.80	Artesian Zone
6701303*	7/20/1999	Hays	295923.14	975231.71	1.10	719.24	548.00	Transition Zone
6701311	7/21/1999	Hays	295853.15	975329.05	2.48	770.52	569.40	Transition Zone
6701701	7/19/1999	Hays	295342.03	975752.04	0.00	734.50	577.12	Transition Zone
6701809	7/19/1999	Hays	295442.91	975543.59	1.20	601.27	576.08	Recharge Zone
6702104*	7/21/1999	Hays	295858.05	975217.51	2.61	674.32	567.91	Saline Zone
6702105*	7/21/1999	Hays	295729.88	975031.64	2.19	646.70	580.03	Saline Zone
6702106*	7/21/1999	Hays	295829.06	975125.61	2.17	678.28	581.76	Saline Zone
6709105	7/19/1999	Hays	295041.24	975903.06	2.50	692.23	579.52	Transition Zone
6709106	7/19/1999	Hays	295108.76	975913.76	1.32	699.66	579.88	Transition Zone
6709110	7/19/1999	Hays	295036.89	975856.09	1.88	678.88	579.47	Transition Zone
6808902	7/19/1999	Hays	295347.28	980010.42	2.83	783.77	586.98	Recharge Zone
6816603	7/19/1999	Hays	294945.22	980058.37	2.76	736.91	580.94	Recharge Zone
58584CT	7/19/1999	Hays	300336.71	975206.49	N/A	735.17	611.41	Recharge Zone
67014AA	7/19/1999	Hays	295517.74	975755.59	0.90	724.88	581.44	Recharge Zone
67015AA	7/19/1999	Hays	295513.84	975655.73	0.89	698.59	579.04	Recharge Zone

Table A-1. Water levels collected during the July 19 through July 23, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
67017AA	7/19/1999	Hays	295410.80	975835.57	1.10	800.13	581.20	Recharge Zone
67017BB	7/19/1999	Hays	295430.94	975817.54	0.77	767.83	584.31	Recharge Zone
67018BB	7/19/1999	Hays	295339.97	975546.02	1.16	585.03	575.28	Transition Zone
67018CC	7/19/1999	Hays	295337.00	975555.37	2.12	632.70	575.49	Transition Zone
67018DD	7/19/1999	Hays	295313.83	975658.65	1.00	750.96	575.68	Transition Zone
67018EE	7/19/1999	Hays	295429.40	975509.52	2.05	609.92	576.19	Transition Zone
67018FF	7/19/1999	Hays	295409.70	975518.22	2.45	589.37	576.39	Recharge Zone
67019AA	7/19/1999	Hays	295450.35	975458.55	2.79	649.70	576.89	Transition Zone
67091AA	7/19/1999	Hays	295131.73	975934.12	0.41	748.41	578.83	Recharge Zone
67091BB	7/19/1999	Hays	295203.48	975807.78	0.55	646.44	577.89	Recharge Zone
67091CC	7/19/1999	Hays	295011.55	975938.17	4.75	732.90	579.49	Transition Zone
7038902*	7/22/1999	Kinney	292448.97	1001540.40	2.10	1,378.94	1,196.44	Recharge Zone
6826802	7/23/1999	Medina	293040.74	984829.98	1.20	1,006.17	785.52	Artesian Zone
6833102	7/23/1999	Medina	292820.24	985746.88	1.00	968.23	845.83	Recharge Zone
6833604	7/20/1999	Medina	292519.87	985319.51	0.90	847.95	714.37	Artesian Zone
6834506	7/21/1999	Medina	292552.74	984846.64	0.85	1,043.46	702.75	Artesian Zone
6841301	7/19/1999	Medina	292118.16	985248.37	1.64	759.76	706.05	Artesian Zone
6842112	7/22/1999	Medina	292044.76	985056.68	2.90	762.60	697.15	Artesian Zone
6937301	7/20/1999	Medina	292800.02	992302.84	1.73	1,166.22	871.34	Artesian Zone
6938601	7/20/1999	Medina	292618.74	991700.46	1.34	1,007.82	885.96	Recharge Zone
6938902	7/19/1999	Medina	292244.68	991636.63	0.78	942.32	778.30	Artesian Zone
6938906	7/20/1999	Medina	292319.18	991552.29	1.47	950.41	783.18	Artesian Zone
6939504	7/21/1999	Medina	292703.58	991141.60	1.65	1,021.14	878.09	Recharge Zone
6939506	7/21/1999	Medina	292652.46	991146.04	1.50	1,019.67	876.47	Artesian Zone
6939801	7/23/1999	Medina	292318.83	991110.10	0.70	955.76	767.97	Artesian Zone
6939901	7/21/1999	Medina	292304.27	990914.08	1.13	932.48	760.93	Artesian Zone
6940403	7/23/1999	Medina	292556.04	990659.29	0.78	932.32	793.85	Artesian Zone
6940404	7/23/1999	Medina	292602.19	990718.34	1.15	935.18	793.00	Artesian Zone
6940901	7/21/1999	Medina	292433.94	990002.76	0.71	878.23	723.91	Artesian Zone
6946601	7/19/1999	Medina	291956.09	991644.17	0.89	884.40	773.55	Artesian Zone
6946602	7/19/1999	Medina	291900.58	991538.20	0.50	908.32	771.17	Artesian Zone
6947301	7/21/1999	Medina	292136.57	990937.05	0.92	915.82	726.91	Artesian Zone
6947305	7/21/1999	Medina	292120.52	990950.03	0.51	910.02	728.07	Artesian Zone
6947306	7/21/1999	Medina	292046.75	990820.20	0.80	886.68	727.28	Artesian Zone
6947502	7/22/1999	Medina	291853.00	991031.91	0.56	872.00	733.46	Artesian Zone
6947503	7/21/1999	Medina	291931.35	991227.60	0.86	884.78	737.24	Artesian Zone
6947602	7/22/1999	Medina	291918.00	990918.45	1.15	862.24	731.88	Artesian Zone
6947603	7/22/1999	Medina	291826.86	990858.49	1.60	844.01	732.05	Artesian Zone
6948102	7/21/1999	Medina	292104.10	990512.20	0.65	867.03	720.67	Artesian Zone
6956501	7/22/1999	Medina	291027.05	990303.59	2.13	714.70	741.83	Artesian Zone
6956507	7/22/1999	Medina	291018.32	990317.78	1.30	712.77	744.07	Artesian Zone
6963103	7/22/1999	Medina	290639.91	991312.10	4.83	661.18	749.01	Artesian Zone
68339AA	7/21/1999	Medina	292216.49	985351.81	0.85	773.89	710.68	Artesian Zone
68422AA	7/22/1999	Medina	292213.28	984842.01	0.80	777.53	699.04	Artesian Zone
69373BB	7/20/1999	Medina	292809.90	992210.55	0.45	1,146.22	873.59	Artesian Zone
69389AA	7/19/1999	Medina	292446.56	991608.97	0.90	987.62	800.03	Artesian Zone
69396AA	7/21/1999	Medina	292606.12	990858.76	1.00	999.31	804.51	Recharge Zone
6946702-B	7/20/1999	Medina	291546.50	992122.73	2.00	949.73	774.76	Artesian Zone
69472AA	7/21/1999	Medina	292053.25	991158.62	2.63	909.27	739.49	Artesian Zone
69475AA	7/22/1999	Medina	291814.47	991054.76	0.74	860.15	732.74	Artesian Zone
6935401*	7/20/1999	Uvalde	292630.68	994456.96	1.00	1,289.97	1,162.88	Recharge Zone
6935804*	7/23/1999	Uvalde	292340.20	994207.76	0.00	1,153.44	1,038.64	Recharge Zone
6936402	7/23/1999	Uvalde	292508.17	993634.36	2.60	1,096.34	810.16	Artesian Zone
6936601	7/23/1999	Uvalde	292532.31	993058.54	0.07	1,072.36	818.43	Artesian Zone
6942709	7/21/1999	Uvalde	291625.04	995146.26	1.80	1,005.63	904.98	Artesian Zone
6943202*	7/19/1999	Uvalde	292130.14	994143.52	1.46	1,068.30	944.63	Recharge Zone
6943606*	7/20/1999	Uvalde	291840.29	993828.91	0.90	1,000.09	784.24	Artesian Zone
6943607	7/23/1999	Uvalde	291935.42	993819.05	2.00	1,009.65	806.82	Artesian Zone
6943903	7/20/1999	Uvalde	291559.24	993856.72	1.25	954.83	885.18	Artesian Zone
6944108	7/23/1999	Uvalde	292204.37	993621.36	2.50	1,040.63	803.13	Artesian Zone
6944301	7/21/1999	Uvalde	292110.57	993048.07	1.15	1,001.93	789.29	Artesian Zone
6944402	7/21/1999	Uvalde	291948.42	993536.78	1.00	997.37	789.07	Artesian Zone
6944703	7/19/1999	Uvalde	291526.72	993510.46	1.38	934.41	784.14	Artesian Zone
6944804	7/21/1999	Uvalde	291726.32	993421.98	1.50	952.67	791.67	Artesian Zone
6944902	7/23/1999	Uvalde	291611.24	993018.97	2.48	899.91	783.98	Artesian Zone
6945401	7/23/1999	Uvalde	291909.99	992811.63	0.70	953.79	784.49	Artesian Zone
6950302	7/22/1999	Uvalde	291231.48	994703.73	2.40	904.90	879.42	Artesian Zone

Table A-1. Water levels collected during the July 19 through July 23, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
6950501	7/21/1999	Uvalde	291128.61	994954.46	1.07	912.80	876.85	Saline Zone
6951401	7/23/1999	Uvalde	291027.83	994403.39	1.36	891.30	850.46	Saline Zone
6951602	7/23/1999	Uvalde	291032.62	993937.83	0.90	863.36	835.26	Saline Zone
6951606	7/23/1999	Uvalde	291135.05	993756.38	2.08	877.55	779.19	Saline Zone
6952403	7/23/1999	Uvalde	291156.01	993700.85	0.00	875.11	780.51	Recharge Zone
7040901*	7/22/1999	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.44	Artesian Zone
69365AA	7/20/1999	Uvalde	292553.76	993432.88	0.73	1,111.37	822.70	Artesian Zone
69369AA	7/19/1999	Uvalde	292249.34	992939.57	0.82	1,028.59	791.25	Artesian Zone
69433AA	7/20/1999	Uvalde	292039.89	993844.87	1.00	1,037.95	809.70	Artesian Zone
69438AA	7/23/1999	Uvalde	291716.98	994158.31	0.91	976.58	867.04	Artesian Zone
69439AA	7/20/1999	Uvalde	291558.33	993811.03	0.56	947.76	881.72	Artesian Zone
69448AA	7/21/1999	Uvalde	291620.02	993500.23	0.20	927.93	778.73	Artesian Zone
69502AA	7/22/1999	Uvalde	291237.94	994907.37	0.83	913.08	881.80	Artesian Zone
69502CC	7/22/1999	Uvalde	291234.50	994834.37	2.65	910.31	880.55	Artesian Zone
69502DD	7/23/1999	Uvalde	291412.88	994938.83	0.00	941.30	889.72	Artesian Zone
69503AA	7/22/1999	Uvalde	291444.86	994726.72	0.55	956.79	884.41	Artesian Zone
69511AA	7/20/1999	Uvalde	291429.78	994432.83	1.00	965.57	880.82	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-2. Water levels collected during the October 25 through October 29, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
6850201	10/29/1999	Atascoa	291348.94	984755.96	1.00	711.86	664.55	Artesian Zone
6821802	10/28/1999	Bexar	293747.87	982728.33	1.58	989.71	728.84	Recharge Zone
6821806	10/29/1999	Bexar	293745.73	982654.56	2.38	950.66	709.65	Recharge Zone
6827307	10/29/1999	Bexar	293507.78	983750.92	1.10	990.74	786.43	Recharge Zone
6827401	10/26/1999	Bexar	293310.23	984440.12	2.45	1,031.45	744.40	Recharge Zone
6827517	10/29/1999	Bexar	293358.60	984054.19	2.05	997.39	748.79	Recharge Zone
6827609	10/29/1999	Bexar	293404.55	983941.82	-0.33	960.54	745.29	Recharge Zone
6827610	10/29/1999	Bexar	293251.78	983808.31	2.11	902.05	721.25	Recharge Zone
6827611	10/29/1999	Bexar	293429.12	983738.55	-0.23	964.16	750.33	Recharge Zone
6827612	10/29/1999	Bexar	293403.40	983820.23	2.83	957.84	742.25	Recharge Zone
6828210	10/29/1999	Bexar	293530.42	983433.97	-0.37	984.27	762.71	Recharge Zone
6828211	10/29/1999	Bexar	293516.12	983254.88	2.65	974.30	741.53	Recharge Zone
6828314	10/29/1999	Bexar	293534.92	983040.73	1.40	900.53	717.30	Recharge Zone
6828315	10/29/1999	Bexar	293611.27	983118.89	-0.17	946.75	716.93	Recharge Zone
6828406	10/29/1999	Bexar	293349.54	983558.21	0.80	978.72	724.50	Recharge Zone
6828407	10/29/1999	Bexar	293424.74	983508.18	-0.22	1,000.03	748.77	Recharge Zone
6828516	10/29/1999	Bexar	293339.23	983447.08	1.46	947.65	721.23	Recharge Zone
6828517	10/29/1999	Bexar	293435.68	983430.17	2.54	963.84	753.08	Recharge Zone
6828518	10/29/1999	Bexar	293438.48	983241.66	2.45	926.61	719.08	Recharge Zone
6828519	10/29/1999	Bexar	293408.41	983312.86	-0.30	926.84	706.95	Recharge Zone
6828608	10/29/1999	Bexar	293456.85	983048.92	1.90	858.08	673.25	Recharge Zone
6828609	10/29/1999	Bexar	293458.65	983213.64	-0.30	926.25	715.28	Recharge Zone
6828909	10/25/1999	Bexar	293026.00	983132.00	1.50	783.03	659.86	Artesian Zone
6828920	10/26/1999	Bexar	293230.20	983038.66	0.75	924.96	665.45	Artesian Zone
6828921	10/25/1999	Bexar	293015.00	983222.00	1.10	823.44	664.03	Artesian Zone
6829103	10/29/1999	Bexar	293522.52	982916.82	0.61	952.51	695.00	Recharge Zone
6829113	10/29/1999	Bexar	293534.14	982828.20	1.52	885.91	705.79	Recharge Zone
6829114	10/29/1999	Bexar	293528.38	982743.41	-0.30	852.60	704.74	Recharge Zone
6829213	10/29/1999	Bexar	293504.46	982708.79	1.30	851.86	684.16	Recharge Zone
6829215	10/29/1999	Bexar	293537.05	982623.96	2.10	827.00	693.18	Recharge Zone
6829216	10/29/1999	Bexar	293642.71	982639.92	-0.40	923.70	707.36	Recharge Zone
6829217	10/29/1999	Bexar	293614.86	982623.39	-0.40	919.90	704.48	Recharge Zone
6829418	10/29/1999	Bexar	293455.95	982802.28	2.26	828.15	694.78	Recharge Zone
6829506	10/26/1999	Bexar	293428.56	982620.57	1.35	788.00	661.92	Recharge Zone
6829605	10/26/1999	Bexar	293300.14	982313.51	-2.20	808.08	669.70	Artesian Zone
6829611	10/25/1999	Bexar	293358.00	982307.00	2.80	829.80	656.77	Artesian Zone
6829913	10/25/1999	Bexar	293151.00	982242.00	1.75	815.75	658.90	Artesian Zone
6830807	10/26/1999	Bexar	293129.52	981745.95	1.00	752.90	659.27	Artesian Zone
6835106	10/25/1999	Bexar	292855.00	984250.00	1.20	959.51	681.69	Artesian Zone
6835202	10/26/1999	Bexar	292920.09	984126.72	1.40	848.57	682.80	Artesian Zone
6836103	10/25/1999	Bexar	292918.00	983603.00	2.16	907.26	667.57	Artesian Zone
6836206	10/25/1999	Bexar	292821.00	983253.00	4.20	756.23	665.86	Artesian Zone
6836512	10/25/1999	Bexar	292621.00	983347.00	2.30	684.83	666.71	Artesian Zone
6836901	10/27/1999	Bexar	292449.30	983056.77	3.21	637.24	660.08	Artesian Zone
6837103	10/25/1999	Bexar	292950.00	982913.00	1.00	729.53	662.36	Artesian Zone
6837203	10/29/1999	Bexar	292844.86	982557.39	0.30	730.81	662.10	Artesian Zone
6837304	10/26/1999	Bexar	292808.33	982301.84	2.30	702.68	659.64	Artesian Zone
6837521	10/25/1999	Bexar	292505.56	982539.63	3.70	620.00	658.96	Saline Zone
6837522	10/25/1999	Bexar	292506.39	982540.27	3.70	620.00	660.65	Saline Zone
6837523	10/25/1999	Bexar	292505.99	982539.96	3.60	620.00	658.79	Saline Zone
6837524	10/25/1999	Bexar	292544.35	982640.13	4.10	626.00	663.63	Artesian Zone
6837525	10/25/1999	Bexar	292545.31	982600.94	5.00	624.00	659.07	Artesian Zone
6837526	10/25/1999	Bexar	292555.73	982607.33	2.90	642.00	662.21	Artesian Zone
6837527	10/25/1999	Bexar	292556.75	982607.36	3.40	641.00	662.34	Artesian Zone
6837606	10/28/1999	Bexar	292646.43	982440.21	0.90	677.68	662.63	Artesian Zone
6843402	10/29/1999	Bexar	291848.97	984251.53	1.42	698.44	670.41	Artesian Zone
6843606	10/27/1999	Bexar	291910.97	983912.00	1.83	619.96	682.44	Artesian Zone
68285AA*	10/28/1999	Bexar	293315.17	983348.73	1.50	886.78	641.72	Recharge Zone
68289AA	10/28/1999	Bexar	293021.90	983011.83	1.25	819.57	655.42	Artesian Zone
68293AA	10/28/1999	Bexar	293606.23	982303.67	1.70	967.68	651.87	Artesian Zone
68299BB	10/29/1999	Bexar	293107.56	982444.35	0.50	724.78	658.81	Artesian Zone
68299CC	10/29/1999	Bexar	293100.42	982444.35	0.20	724.12	656.78	Artesian Zone
68302AA	10/22/1999	Bexar	293554.88	981912.77	1.09	780.74	645.38	Artesian Zone
68302BB	10/22/1999	Bexar	293555.87	981906.51	1.25	763.50	653.25	Artesian Zone
68302CC	10/22/1999	Bexar	293528.90	981949.80	1.00	783.84	652.44	Artesian Zone
68307AA	10/29/1999	Bexar	293104.54	982228.99	1.05	819.10	657.68	Artesian Zone
68377AA	10/25/1999	Bexar	292439.52	982949.32	-2.70	610.00	637.93	Artesian Zone

Table A-2. Water levels collected during the October 25 through October 29, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
68431AA	10/25/1999	Bexar	292157.44	984413.94	1.00	717.01	680.65	Artesian Zone
68437AA	10/25/1999	Bexar	291711.08	984331.52	3.10	639.33	670.18	Artesian Zone
6815803	10/28/1999	Comal	294609.50	981144.15	1.20	954.97	695.75	Recharge Zone
6815809	10/28/1999	Comal	294615.40	981035.31	0.35	908.39	659.32	Recharge Zone
6815907	10/21/1999	Comal	294516.81	980822.39	1.60	706.48	624.82	Recharge Zone
6815912	10/21/1999	Comal	294516.23	980827.60	1.20	693.79	627.73	Recharge Zone
6816602	10/21/1999	Comal	294738.93	980127.10	0.20	608.05	598.82	Saline Zone
6816701	10/21/1999	Comal	294526.19	980617.24	2.00	711.57	612.08	Transition Zone
6816703	10/21/1999	Comal	294513.18	980535.23	0.70	700.54	611.33	Transition Zone
6816801	10/21/1999	Comal	294712.36	980310.32	0.50	752.83	605.85	Saline Zone
6816803	10/21/1999	Comal	294611.70	980426.77	1.50	725.39	608.53	Transition Zone
6822602	10/27/1999	Comal	294039.12	981725.35	0.65	913.89	657.24	Recharge Zone
6822603	10/27/1999	Comal	294208.09	981505.67	1.28	945.66	665.97	Recharge Zone
6822604	10/27/1999	Comal	294152.92	981531.53	1.26	911.73	672.12	Recharge Zone
6822605	10/27/1999	Comal	294056.73	981537.72	0.61	888.55	660.85	Recharge Zone
6822810	10/27/1999	Comal	293936.98	981825.52	1.30	889.43	666.73	Transition Zone
6822911	10/27/1999	Comal	293745.77	981620.67	1.00	770.49	648.89	Transition Zone
6823104	10/28/1999	Comal	294440.35	981327.28	0.95	996.38	692.22	Recharge Zone
6823105	10/28/1999	Comal	294253.78	981323.66	1.57	984.88	643.26	Recharge Zone
6823208	10/28/1999	Comal	294405.65	981140.01	0.25	887.63	645.30	Recharge Zone
6823209	10/28/1999	Comal	294314.84	981044.39	0.83	862.03	635.86	Recharge Zone
6823210	10/28/1999	Comal	294252.26	981228.97	0.32	920.23	649.03	Recharge Zone
6823302	10/27/1999	Comal	294248.87	980818.08	1.00	642.59	625.00	Recharge Zone
6823304	10/27/1999	Comal	294240.00	980818.00	0.36	626.17	633.00	Artesian Zone
6823306	10/28/1999	Comal	294446.34	980914.21	0.10	807.67	631.23	Recharge Zone
6823309	10/28/1999	Comal	294307.20	980806.87	0.00	736.21	621.97	Recharge Zone
6823316	10/28/1999	Comal	294316.92	980852.46	1.06	806.52	627.05	Recharge Zone
6823319	10/21/1999	Comal	294315.63	980739.64	1.50	627.63	621.15	Recharge Zone
6823502	10/26/1999	Comal	294056.25	981036.24	1.65	679.52	637.07	Recharge Zone
6823507	10/26/1999	Comal	294120.79	981157.23	1.30	872.82	640.42	Recharge Zone
6823602	10/26/1999	Comal	294206.76	980904.03	1.35	703.01	633.03	Recharge Zone
6823621	10/26/1999	Comal	294140.03	980933.02	0.87	670.81	634.88	Recharge Zone
6823709	10/26/1999	Comal	293825.55	981359.22	0.45	714.11	666.79	Artesian Zone
6823710	10/26/1999	Comal	293948.35	981409.73	0.85	815.67	642.37	Recharge Zone
6830208	10/27/1999	Comal	293636.78	981910.49	2.11	798.09	653.00	Artesian Zone
6830226	10/27/1999	Comal	293654.49	981901.74	1.58	827.31	652.84	Artesian Zone
6830314	10/25/1999	Guadalupe	293609.47	981526.05	2.17	871.01	650.02	Artesian Zone
6831403*	10/25/1999	Guadalupe	293423.01	981346.11	2.09	709.08	656.16	Saline Zone
5842819	10/23/1999	Hays	301539.62	974903.26	N/A	672.94	451.04	Artesian Zone
5850221	10/23/1999	Hays	301331.61	974822.28	N/A	675.60	449.74	Artesian Zone
5850301	10/23/1999	Hays	301237.25	974653.70	N/A	652.21	460.34	Artesian Zone
5850801	10/23/1999	Hays	300834.12	974838.72	N/A	662.08	513.00	Artesian Zone
5857903	10/23/1999	Hays	300218.59	975310.20	N/A	824.02	596.00	Artesian Zone
5858101	10/23/1999	Hays	300500.89	975033.50	N/A	707.25	560.10	Artesian Zone
5858123	10/23/1999	Hays	300633.95	975030.23	N/A	700.89	544.80	Artesian Zone
6701303	10/23/1999	Hays	295923.14	975231.71	1.10	719.24	533.90	Transition Zone
6701311	10/25/1999	Hays	295853.15	975329.05	2.48	770.52	556.91	Transition Zone
6701701	10/21/1999	Hays	295342.03	975752.04	0.00	734.50	575.79	Transition Zone
6701809	10/21/1999	Hays	295442.91	975543.59	1.20	601.27	574.57	Recharge Zone
6702104*	10/25/1999	Hays	295858.05	975217.51	2.61	674.32	558.15	Saline Zone
6702105*	10/25/1999	Hays	295729.88	975031.64	2.19	646.70	580.83	Saline Zone
6702106*	10/25/1999	Hays	295829.06	975125.61	2.17	678.28	574.87	Saline Zone
6709105	10/21/1999	Hays	295041.24	975903.06	2.50	692.23	577.89	Transition Zone
6709106	10/21/1999	Hays	295108.76	975913.76	1.32	699.66	578.28	Transition Zone
6709110	10/21/1999	Hays	295036.89	975856.09	1.88	678.88	577.85	Transition Zone
6816603	10/22/1999	Hays	294945.22	980058.37	2.76	736.91	579.90	Recharge Zone
58501W2	10/23/1999	Hays	301335.06	975029.27	N/A	738.94	584.95	Artesian Zone
58584CT	10/23/1999	Hays	300336.71	975206.49	N/A	735.17	595.15	Recharge Zone
67014AA	10/21/1999	Hays	295517.74	975755.59	0.90	724.88	577.99	Recharge Zone
67015AA	10/21/1999	Hays	295513.84	975655.73	0.89	698.59	576.41	Recharge Zone
67017AA	10/21/1999	Hays	295410.80	975835.57	1.10	800.13	577.62	Recharge Zone
67017BB	10/21/1999	Hays	295430.94	975817.54	0.77	767.83	581.15	Recharge Zone
67018BB	10/26/1999	Hays	295339.97	975546.02	1.16	585.03	574.34	Transition Zone
67018CC	10/26/1999	Hays	295337.00	975555.37	2.12	632.70	574.57	Transition Zone
67018DD	10/26/1999	Hays	295313.83	975658.65	1.00	750.96	575.17	Transition Zone
67018EE	10/21/1999	Hays	295429.40	975509.52	2.05	609.92	574.76	Transition Zone
67018FF	10/21/1999	Hays	295409.70	975518.22	2.45	589.37	575.09	Recharge Zone

Table A-2. Water levels collected during the October 25 through October 29, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
67019AA	10/22/1999	Hays	295450.35	975458.55	2.79	649.70	575.40	Transition Zone
67091AA	10/21/1999	Hays	295131.73	975934.12	0.41	748.41	577.29	Recharge Zone
67091BB	10/21/1999	Hays	295203.48	975807.78	0.55	646.44	576.41	Recharge Zone
67091CC	10/22/1999	Hays	295011.55	975938.17	4.75	732.90	577.85	Transition Zone
7038902*	10/25/1999	Kinney	292448.97	1001540.40	2.10	1,378.94	1,192.47	Recharge Zone
6826802	10/26/1999	Medina	293040.74	984829.98	1.20	1,006.17	756.28	Artesian Zone
6833102	10/26/1999	Medina	292820.24	985746.88	1.00	968.23	842.40	Recharge Zone
6833604	10/26/1999	Medina	292519.87	985319.51	0.90	847.95	734.40	Artesian Zone
6834506	10/28/1999	Medina	292552.74	984846.64	0.85	1,043.46	689.73	Artesian Zone
6841301	10/25/1999	Medina	292118.16	985248.37	1.64	759.76	695.14	Artesian Zone
6842106	10/28/1999	Medina	292116.90	985114.72	1.00	774.98	695.72	Artesian Zone
6842112	10/25/1999	Medina	292044.76	985056.68	2.90	762.60	693.37	Artesian Zone
6842502	10/29/1999	Medina	291838.01	984921.79	1.25	728.85	687.33	Artesian Zone
6937301	10/25/1999	Medina	292800.02	992302.84	1.73	1,166.22	863.35	Artesian Zone
6938601	10/25/1999	Medina	292618.74	991700.46	1.34	1,007.82	880.90	Artesian Zone
6938902	10/25/1999	Medina	292244.68	991636.63	0.78	942.32	769.00	Recharge Zone
6938906	10/25/1999	Medina	292319.18	991552.29	1.47	950.41	778.11	Artesian Zone
6939504	10/27/1999	Medina	292703.58	991141.60	1.65	1,021.14	870.16	Artesian Zone
6939801	10/27/1999	Medina	292318.83	991110.10	0.70	955.76	759.71	Recharge Zone
6939901	10/27/1999	Medina	292304.27	990914.08	1.13	932.48	752.36	Artesian Zone
6940101	10/28/1999	Medina	292935.75	990729.40	0.61	1,023.22	877.23	Artesian Zone
6940102	10/28/1999	Medina	292740.12	990701.62	2.50	966.60	842.60	Recharge Zone
6940202	10/28/1999	Medina	292801.71	990426.21	1.05	997.69	834.72	Recharge Zone
6940403	10/28/1999	Medina	292556.04	990659.29	0.78	932.32	789.42	Recharge Zone
6940404	10/28/1999	Medina	292602.19	990718.34	1.15	935.18	787.41	Artesian Zone
6940901	10/29/1999	Medina	292433.94	990002.76	0.71	878.23	713.50	Artesian Zone
6946601	10/25/1999	Medina	291956.09	991644.17	0.89	884.40	764.24	Artesian Zone
6946602	10/25/1999	Medina	291900.58	991538.20	0.50	908.32	762.43	Artesian Zone
6947301	10/27/1999	Medina	292136.57	990937.05	0.92	915.82	717.15	Artesian Zone
6947305	10/27/1999	Medina	292120.52	990950.03	0.51	910.02	718.14	Artesian Zone
6947306	10/27/1999	Medina	292046.75	990820.20	0.80	886.68	717.18	Artesian Zone
6947502	10/26/1999	Medina	291853.00	991031.91	0.56	872.00	723.50	Artesian Zone
6947503	10/25/1999	Medina	291931.35	991227.60	0.86	884.78	727.84	Artesian Zone
6947602	10/26/1999	Medina	291918.00	990918.45	1.15	862.24	722.25	Artesian Zone
6948102	10/25/1999	Medina	292104.10	990512.20	0.65	867.03	713.56	Artesian Zone
6948303	10/29/1999	Medina	292125.12	990051.43	2.55	1,007.08	707.12	Artesian Zone
6956501	10/26/1999	Medina	291027.05	990303.59	2.13	714.70	729.83	Artesian Zone
6956507	10/26/1999	Medina	291018.32	990317.78	1.30	712.77	728.07	Artesian Zone
6963103	10/26/1999	Medina	290639.91	991312.10	4.83	661.18	755.98	Artesian Zone
68339AA	10/28/1999	Medina	292216.49	985351.81	0.85	773.89	699.24	Artesian Zone
68415AA	10/29/1999	Medina	291839.74	985539.90	5.00	951.35	698.13	Artesian Zone
68419AA	10/29/1999	Medina	291639.82	985244.44	1.00	855.56	664.62	Artesian Zone
68422AA	10/28/1999	Medina	292213.28	984842.01	0.80	777.53	686.96	Artesian Zone
69373BB	10/25/1999	Medina	292809.90	992210.55	0.45	1,146.22	865.58	Artesian Zone
69389AA	10/25/1999	Medina	292446.56	991608.97	0.90	987.62	825.50	Artesian Zone
69396AA	10/25/1999	Medina	292606.12	990858.76	1.00	999.31	810.91	Recharge Zone
6946702-B	10/26/1999	Medina	291546.50	992122.73	2.00	949.73	766.08	Artesian Zone
69472AA	10/27/1999	Medina	292053.25	991158.62	2.63	909.27	730.43	Artesian Zone
69475AA	10/27/1999	Medina	291814.47	991054.76	0.74	860.15	722.71	Artesian Zone
69489AA	10/27/1999	Medina	291554.58	990220.56	1.10	794.98	733.88	Artesian Zone
6935401*	10/27/1999	Uvalde	292630.68	994456.96	1.00	1,289.97	1,170.47	Recharge Zone
6935602*	10/27/1999	Uvalde	292645.21	993955.12	0.50	1,149.72	1,083.97	Recharge Zone
6935804*	10/27/1999	Uvalde	292340.20	994207.76	0.00	1,153.44	1,034.49	Recharge Zone
6936402	10/26/1999	Uvalde	292508.17	993634.36	2.60	1,096.34	803.40	Artesian Zone
6936601	10/28/1999	Uvalde	292532.31	993058.54	0.07	1,072.36	800.18	Artesian Zone
6942709	10/26/1999	Uvalde	291625.04	995146.26	1.80	1,005.63	903.89	Artesian Zone
6943202	10/25/1999	Uvalde	292130.14	994143.52	1.46	1,068.30	936.26	Recharge Zone
6943409	10/26/1999	Uvalde	291926.07	994249.71	1.70	1,056.46	881.70	Artesian Zone
6943606*	10/29/1999	Uvalde	291840.29	993828.91	0.90	1,000.09	770.24	Artesian Zone
6943607	10/25/1999	Uvalde	291935.42	993819.05	2.00	1,009.65	795.80	Artesian Zone
6943903	10/25/1999	Uvalde	291559.24	993856.72	1.25	954.83	865.78	Artesian Zone
6944108	10/28/1999	Uvalde	292204.37	993621.36	2.50	1,040.63	793.93	Artesian Zone
6944301	10/26/1999	Uvalde	292110.57	993048.07	1.15	1,001.93	780.18	Artesian Zone
6944402	10/27/2000	Uvalde	291948.42	993536.78	1.00	997.37	785.67	Artesian Zone
6944703	10/25/1999	Uvalde	291526.72	993510.46	1.38	934.41	778.79	Artesian Zone
6944804	10/25/1999	Uvalde	291726.32	993421.98	1.50	952.67	787.77	Artesian Zone
6944902	10/25/1999	Uvalde	291611.24	993018.97	2.48	899.91	774.83	Artesian Zone

Table A-2. Water levels collected during the October 25 through October 29, 1999 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone
6945401	10/26/1999	Uvalde	291909.99	992811.63	0.70	953.79	775.00	Artesian Zone
6950302	10/26/1999	Uvalde	291231.48	994703.73	2.40	904.90	879.20	Artesian Zone
6950501	10/27/1999	Uvalde	291128.61	994954.46	1.07	912.80	875.32	Saline Zone
6951401	10/26/1999	Uvalde	291027.83	994403.39	1.36	891.30	848.56	Saline Zone
6951602	10/27/1999	Uvalde	291032.62	993937.83	0.90	863.36	834.66	Saline Zone
6951606	10/26/1999	Uvalde	291135.05	993756.38	2.08	877.55	774.61	Artesian Zone
6952202	10/25/1999	Uvalde	291442.62	993258.49	2.76	874.02	773.79	Saline Zone
6952403	10/27/1999	Uvalde	291156.01	993700.85	0.00	875.11	779.75	Saline Zone
6952404	10/26/1999	Uvalde	291132.99	993637.63	2.77	867.02	775.66	Recharge Zone
7040901*	10/25/1999	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.28	Artesian Zone
69365AA	10/28/2000	Uvalde	292553.76	993432.88	0.73	1,111.37	815.60	Artesian Zone
69369AA	10/25/1999	Uvalde	292249.34	992939.57	0.82	1,028.59	784.71	Artesian Zone
69433AA	10/26/2000	Uvalde	292039.89	993844.87	1.00	1,037.95	800.55	Artesian Zone
69438AA	10/25/1999	Uvalde	291716.98	994158.31	0.91	976.58	867.09	Artesian Zone
69439AA	10/25/1999	Uvalde	291558.33	993811.03	0.56	947.76	853.07	Artesian Zone
69502AA	10/27/1999	Uvalde	291237.94	994907.37	0.83	913.08	881.56	Artesian Zone
69502BB	10/26/1999	Uvalde	291429.99	994901.47	0.39	931.63	886.65	Artesian Zone
69502CC	10/27/1999	Uvalde	291234.50	994834.37	2.65	910.31	880.31	Artesian Zone
69502DD	10/26/1999	Uvalde	291412.88	994938.83	0.00	941.30	888.38	Artesian Zone
69503AA	10/26/1999	Uvalde	291444.86	994726.72	0.55	956.79	884.06	Artesian Zone
69503CC	10/27/1999	Uvalde	291300.13	994519.22	0.80	930.35	881.13	Artesian Zone
69505BB	10/26/1999	Uvalde	291137.84	994735.74	1.00	901.20	876.51	Artesian Zone
69511AA	10/27/1999	Uvalde	291429.78	994432.83	1.00	965.57	881.47	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-3. Water levels collected during the January 23 through February 3, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	1/31/2000	Atascosa	291348.94	984755.96	1.00	711.86	664.55	Artesian Zone
6821802	1/21/2000	Bexar	293747.87	982728.33	1.58	989.71	728.75	Recharge Zone
6821806	1/25/2000	Bexar	293745.73	982654.56	2.38	950.66	705.79	Recharge Zone
6827307	1/25/2000	Bexar	293507.78	983750.92	1.10	990.74	778.48	Recharge Zone
6827401	1/24/2000	Bexar	293310.23	984440.12	2.45	1,031.45	747.72	Recharge Zone
6827517	1/26/2000	Bexar	293358.60	984054.19	2.05	997.39	736.20	Recharge Zone
6827609	1/26/2000	Bexar	293404.55	983941.82	-0.33	960.54	734.29	Recharge Zone
6827610	1/26/2000	Bexar	293251.78	983808.31	2.11	902.05	712.76	Recharge Zone
6827611	1/25/2000	Bexar	293429.12	983738.55	-0.23	964.16	740.79	Recharge Zone
6827612	1/25/2000	Bexar	293403.40	983820.23	2.83	957.84	732.45	Recharge Zone
6828113	1/26/2000	Bexar	293516.48	983627.53	-0.45	1,022.33	757.22	Recharge Zone
6828210	1/26/2000	Bexar	293530.42	983433.97	-0.37	984.27	755.49	Recharge Zone
6828211	1/26/2000	Bexar	293516.12	983254.88	2.65	974.30	738.47	Recharge Zone
6828313	1/25/2000	Bexar	293635.42	983021.73	2.50	948.81	725.31	Recharge Zone
6828314	1/26/2000	Bexar	293534.92	983040.73	1.40	900.53	710.00	Recharge Zone
6828315	1/26/2000	Bexar	293611.27	983118.89	-0.17	946.75	716.33	Recharge Zone
6828406	1/25/2000	Bexar	293349.54	983558.21	0.80	978.72	716.57	Recharge Zone
6828407	1/25/2000	Bexar	293424.74	983508.18	-0.22	1,000.03	740.27	Recharge Zone
6828515	1/26/2000	Bexar	293347.72	983340.89	1.71	975.69	708.69	Recharge Zone
6828516	1/26/2000	Bexar	293339.23	983447.08	1.46	947.65	717.11	Recharge Zone
6828517	1/26/2000	Bexar	293435.68	983430.17	2.54	963.84	747.28	Recharge Zone
6828518	1/26/2000	Bexar	293438.48	983241.66	2.45	926.61	713.23	Recharge Zone
6828519	1/26/2000	Bexar	293408.41	983312.86	-0.30	926.84	701.76	Recharge Zone
6828608	1/24/2000	Bexar	293456.85	983048.92	1.90	858.08	671.53	Recharge Zone
6828609	1/26/2000	Bexar	293458.65	983213.64	-0.30	926.25	709.90	Recharge Zone
6828909	1/24/2000	Bexar	293026.00	983132.00	1.50	783.03	665.57	Artesian Zone
6828920	1/25/2000	Bexar	293230.20	983038.66	0.75	924.96	665.04	Artesian Zone
6828921	1/24/2000	Bexar	293015.00	983222.00	1.10	823.44	665.13	Artesian Zone
6829103	1/26/2000	Bexar	293522.52	982916.82	0.61	952.51	690.60	Recharge Zone
6829112	1/25/2000	Bexar	293558.82	982848.38	2.38	889.00	707.97	Recharge Zone
6829113	1/25/2000	Bexar	293534.14	982828.20	1.52	885.91	702.62	Recharge Zone
6829114	1/25/2000	Bexar	293528.38	982743.41	-0.30	852.60	700.43	Recharge Zone
6829213	1/25/2000	Bexar	293504.46	982708.79	1.30	851.86	681.43	Recharge Zone
6829214	1/25/2000	Bexar	293519.61	982541.04	-0.40	809.91	673.59	Recharge Zone
6829215	1/25/2000	Bexar	293537.05	982623.96	2.10	827.00	688.95	Recharge Zone
6829216	1/25/2000	Bexar	293642.71	982639.92	-0.40	923.70	704.16	Recharge Zone
6829217	1/25/2000	Bexar	293614.86	982623.39	-0.40	919.90	701.96	Recharge Zone
6829418	1/25/2000	Bexar	293455.95	982802.28	2.26	828.15	690.83	Recharge Zone
6829506	1/25/2000	Bexar	293428.56	982620.57	1.35	788.00	661.64	Recharge Zone
6829605	1/28/2000	Bexar	293300.14	982313.51	-2.20	808.08	670.89	Artesian Zone
6829611	1/24/2000	Bexar	293358.00	982307.00	2.80	829.80	658.60	Artesian Zone
6829913	1/24/2000	Bexar	293151.00	982242.00	1.75	815.75	660.74	Artesian Zone
6830807*	1/25/2000	Bexar	293129.52	981745.95	1.00	752.90	660.92	Artesian Zone
6835106	1/24/2000	Bexar	292855.00	984250.00	1.20	959.51	683.36	Artesian Zone
6836103	1/24/2000	Bexar	292918.00	983603.00	2.16	907.26	660.98	Artesian Zone
6836206	1/24/2000	Bexar	292821.00	983253.00	4.20	756.23	666.76	Artesian Zone
6836512	1/24/2000	Bexar	292621.00	983347.00	2.30	684.83	672.13	Artesian Zone
6836901	1/27/2000	Bexar	292449.30	983056.77	3.21	637.24	662.63	Artesian Zone
6837103	1/24/2000	Bexar	292950.00	982913.00	1.00	729.53	664.36	Artesian Zone
6837203	1/26/2000	Bexar	292844.86	982557.39	0.30	730.81	663.70	Artesian Zone
6837304	1/28/2000	Bexar	292808.33	982301.84	2.30	702.68	664.70	Artesian Zone
6837521	1/26/2000	Bexar	292505.56	982539.63	3.70	620.00	661.07	Saline Zone
6837522	1/26/2000	Bexar	292506.39	982540.27	3.70	620.00	662.65	Saline Zone
6837523	1/26/2000	Bexar	292505.99	982539.96	3.60	620.00	660.52	Saline Zone
6837524	1/26/2000	Bexar	292544.35	982640.13	4.10	626.00	664.75	Artesian Zone
6837525	1/26/2000	Bexar	292545.31	982600.94	5.00	624.00	661.15	Artesian Zone
6837526	1/26/2000	Bexar	292555.73	982607.33	2.90	642.00	664.28	Artesian Zone
6837527	1/26/2000	Bexar	292556.75	982607.36	3.40	641.00	664.15	Artesian Zone
6837606	1/26/2000	Bexar	292646.43	982440.21	0.90	677.68	664.19	Artesian Zone
6843402	1/26/2000	Bexar	291848.97	984251.53	1.42	698.44	689.55	Artesian Zone
6843606	1/27/2000	Bexar	291910.97	983912.00	1.83	619.96	682.44	Artesian Zone
6843607*	1/27/2000	Bexar	291845.83	983348.73	2.59	606.96	659.41	Saline Zone
68285AA*	1/28/2000	Bexar	293315.17	983348.73	1.50	886.78	642.06	Recharge Zone
68289AA	1/28/2000	Bexar	293021.90	983011.83	1.25	819.57	664.07	Artesian Zone
68293AA	1/24/2000	Bexar	293606.23	982303.67	1.70	967.68	663.56	Artesian Zone
68299BB	1/26/2000	Bexar	293107.56	982444.35	0.50	724.78	659.54	Artesian Zone
68299CC	1/26/2000	Bexar	293100.42	982444.35	0.20	724.12	659.05	Artesian Zone

Table A-3. Water levels collected during the January 23 through February 3, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
68302AA	1/21/2000	Bexar	293554.88	981912.77	1.09	780.74	654.07	Artesian Zone
68307AA	1/28/2000	Bexar	293104.54	982228.99	1.05	819.10	659.94	Artesian Zone
68377AA	1/26/2000	Bexar	292439.52	982949.32	-2.70	610.00	640.09	Artesian Zone
68431AA	1/27/2000	Bexar	292157.44	984413.94	1.00	717.01	679.20	Artesian Zone
68437AA	1/27/2000	Bexar	291711.08	984331.52	3.10	639.33	672.42	Artesian Zone
6815803	2/3/2000	Comal	294609.50	981144.15	1.20	954.97	687.44	Recharge Zone
6815809	2/3/2000	Comal	294615.40	981035.31	0.35	908.39	658.68	Recharge Zone
6815907	1/24/2000	Comal	294516.81	980822.39	1.60	706.48	624.44	Recharge Zone
6815912	1/24/2000	Comal	294516.23	980827.60	1.20	693.79	626.81	Recharge Zone
6816602	1/24/2000	Comal	294738.93	980127.10	0.20	608.05	598.42	Saline Zone
6816701	1/24/2000	Comal	294526.19	980617.24	2.00	711.57	612.91	Transition Zone
6816703	1/24/2000	Comal	294513.18	980535.23	0.70	700.54	610.75	Transition Zone
6816801	1/24/2000	Comal	294712.36	980310.32	0.50	752.83	605.91	Saline Zone
6816803	1/24/2000	Comal	294611.70	980426.77	1.50	725.39	607.70	Transition Zone
6822602	1/26/2000	Comal	294039.12	981725.35	0.65	913.89	658.94	Recharge Zone
6822603	1/26/2000	Comal	294208.09	981505.67	1.28	945.66	674.84	Recharge Zone
6822604	1/26/2000	Comal	294152.92	981531.53	1.26	911.73	663.89	Recharge Zone
6822605	1/26/2000	Comal	294056.73	981537.72	0.61	888.55	658.46	Recharge Zone
6822810	1/26/2000	Comal	293936.98	981825.52	1.30	889.43	663.50	Transition Zone
6822911	1/26/2000	Comal	293745.77	981620.67	1.00	770.49	652.10	Transition Zone
6823105	2/3/2000	Comal	294253.78	981323.66	1.57	984.88	636.91	Recharge Zone
6823208	2/3/2000	Comal	294405.65	981140.01	0.25	887.63	641.40	Recharge Zone
6823209	2/3/2000	Comal	294314.84	981044.39	0.83	862.03	633.38	Recharge Zone
6823210	2/3/2000	Comal	294252.26	981228.97	0.32	920.23	649.87	Recharge Zone
6823302	1/26/2000	Comal	294248.87	980818.08	1.00	642.59	625.20	Recharge Zone
6823304	1/26/2000	Comal	294240.00	980818.00	0.36	626.17	633.90	Artesian Zone
6823306	2/3/2000	Comal	294446.34	980914.21	0.10	807.67	629.21	Recharge Zone
6823309	2/3/2000	Comal	294307.20	980806.87	0.00	736.21	623.17	Recharge Zone
6823316	2/3/2000	Comal	294316.92	980852.46	1.06	806.52	621.24	Recharge Zone
6823319	1/24/2000	Comal	294315.63	980739.64	1.50	627.63	623.00	Recharge Zone
6823502	2/3/2000	Comal	294056.25	981036.24	1.65	679.52	638.32	Recharge Zone
6823504	2/3/2000	Comal	294016.88	981147.10	3.40	706.18	640.40	Recharge Zone
6823507	2/3/2000	Comal	294120.79	981157.23	1.30	872.82	639.67	Recharge Zone
6823602	2/3/2000	Comal	294206.76	980904.03	1.35	703.01	627.46	Recharge Zone
6823621	2/3/2000	Comal	294140.03	980933.02	0.87	670.81	635.85	Recharge Zone
6823709	2/3/2000	Comal	293825.55	981359.22	0.45	714.11	666.56	Artesian Zone
6823710	2/3/2000	Comal	293948.35	981409.73	0.85	815.67	642.82	Recharge Zone
6823807	2/3/2000	Comal	293958.91	981016.77	1.70	655.88	645.93	Artesian Zone
6830208	1/26/2000	Comal	293636.78	981910.49	2.11	798.09	654.50	Artesian Zone
6830226	1/26/2000	Comal	293654.49	981901.74	1.58	827.31	653.78	Artesian Zone
6823616A	1/28/2000	Comal	294215.64	980759.07	2.40	635.42	632.84	Saline Zone
6823619B	1/28/2000	Comal	294226.60	980810.51	2.30	634.41	634.21	Artesian Zone
6830314*	1/25/2000	Guadalupe	293609.47	981526.05	2.17	871.01	650.02	Artesian Zone
6831403*	1/25/2000	Guadalupe	293423.01	981346.11	2.09	709.08	656.16	Saline Zone
6831511*	1/25/2000	Guadalupe	293245.49	981209.56	2.06	674.00	653.27	Saline Zone
5842819	1/25/2000	Hays	301539.62	974903.26	N/A	672.94	450.57	Artesian Zone
5850221	1/25/2000	Hays	301331.61	974822.28	N/A	675.60	448.00	Artesian Zone
5850301	1/25/2000	Hays	301237.25	974653.70	N/A	652.21	451.40	Artesian Zone
5850801	1/25/2000	Hays	300834.12	974838.72	N/A	662.08	543.50	Artesian Zone
5857602*	1/25/2000	Hays	300427.18	975456.89	N/A	801.94	546.80	Recharge Zone
5857903	1/25/2000	Hays	300218.59	975310.20	N/A	824.02	591.80	Artesian Zone
5858101	1/25/2000	Hays	300500.89	975033.50	N/A	707.25	559.80	Artesian Zone
5858123	1/25/2000	Hays	300633.95	975030.23	N/A	700.89	571.94	Artesian Zone
6701303	1/25/2000	Hays	295923.14	975231.71	1.10	719.24	538.40	Transition Zone
6701311	1/25/2000	Hays	295853.15	975329.05	2.48	770.52	560.69	Transition Zone
6701701	1/25/2000	Hays	295342.03	975752.04	0.00	734.50	575.58	Transition Zone
6701809	1/24/2000	Hays	295442.91	975543.59	1.20	601.27	574.57	Recharge Zone
6701812	1/24/2000	Hays	295325.71	975542.13	2.89	580.89	575.00	Saline Zone
6702104*	1/25/2000	Hays	295858.05	975217.51	2.61	674.32	560.36	Recharge Zone
6702105*	1/25/2000	Hays	295729.88	975031.64	2.19	646.70	576.41	Recharge Zone
6702106*	1/25/2000	Hays	295829.06	975125.61	2.17	678.28	574.13	Recharge Zone
6709105	1/24/2000	Hays	295041.24	975903.06	2.50	692.23	577.48	Transition Zone
6709106	1/25/2000	Hays	295108.76	975913.76	1.32	699.66	577.53	Transition Zone
6709110	1/25/2000	Hays	295036.89	975856.09	1.88	678.88	577.39	Transition Zone
6808902	1/25/2000	Hays	295347.28	980010.42	2.83	783.77	571.55	Recharge Zone
6816603	1/24/2000	Hays	294945.22	980058.37	2.76	736.91	574.65	Recharge Zone
58501W2	1/25/2000	Hays	301335.06	975029.27	N/A	738.94	584.40	Artesian Zone

Table A-3. Water levels collected during the January 23 through February 3, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
58573GC	1/25/2000	Hays	300551.31	975312.66	N/A	824.50	595.30	Artesian Zone
58584CT	1/25/2000	Hays	300336.71	975206.49	N/A	735.17	590.63	Recharge Zone
67014AA	1/28/2000	Hays	295517.74	975755.59	0.90	724.88	577.19	Recharge Zone
67015AA	1/24/2000	Hays	295513.84	975655.73	0.89	698.59	575.90	Recharge Zone
67017AA	1/25/2000	Hays	295410.80	975835.57	1.10	800.13	574.64	Recharge Zone
67017BB	1/25/2000	Hays	295430.94	975817.54	0.77	767.83	579.35	Recharge Zone
6701813A	1/26/2000	Hays	295328.06	975545.76	3.10	581.12	574.00	Artesian Zone
6701813B	1/26/2000	Hays	295328.06	975545.76	3.08	581.12	575.00	Artesian Zone
6701814A	1/24/2000	Hays	295330.58	975551.08	6.40	575.54	573.00	Artesian Zone
6701814B	1/24/2000	Hays	295330.58	975551.08	6.40	575.54	573.00	Artesian Zone
67018BB	1/24/2000	Hays	295339.97	975546.02	1.16	585.03	574.26	Transition Zone
67018CC	1/24/2000	Hays	295337.00	975555.37	2.12	632.70	574.51	Transition Zone
67018DD	1/28/2000	Hays	295313.83	975658.65	1.00	750.96	574.47	Transition Zone
67018EE	1/24/2000	Hays	295429.40	975509.52	2.05	609.92	574.61	Transition Zone
67018FF	1/24/2000	Hays	295409.70	975518.22	2.45	589.37	574.93	Recharge Zone
67019AA	1/24/2000	Hays	295450.35	975458.55	2.79	649.70	575.23	Transition Zone
67091AA	1/25/2000	Hays	295131.73	975934.12	0.41	748.41	576.99	Recharge Zone
67091BB	1/25/2000	Hays	295203.48	975807.78	0.55	646.44	575.98	Recharge Zone
67091CC	1/24/2000	Hays	295011.55	975938.17	4.75	732.90	577.65	Transition Zone
7038902*	1/24/2000	Kinney	292448.97	1001540.40	2.10	1,378.94	1,192.47	Recharge Zone
6826802	1/31/2000	Medina	293040.74	984829.98	1.20	1,006.17	750.99	Artesian Zone
6833102	1/31/2000	Medina	292820.24	985746.88	1.00	968.23	840.26	Recharge Zone
6833604	1/31/2000	Medina	292519.87	985319.51	0.90	847.95	739.07	Artesian Zone
6834506	1/27/2000	Medina	292552.74	984846.64	0.85	1,043.46	688.91	Artesian Zone
6841301	1/31/2000	Medina	292118.16	985248.71	1.64	759.76	695.19	Artesian Zone
6842106	1/31/2000	Medina	292116.90	985114.72	1.00	774.98	692.89	Artesian Zone
6842112	1/31/2000	Medina	292044.76	985056.68	2.90	762.60	699.30	Artesian Zone
6842502	1/31/2000	Medina	291838.01	984921.79	1.25	728.85	687.09	Artesian Zone
6937301	1/24/2000	Medina	292800.02	992302.84	1.73	1,166.22	852.36	Artesian Zone
6938601	1/24/2000	Medina	292618.74	991700.46	1.34	1,007.82	869.34	Artesian Zone
6938902	1/24/2000	Medina	292244.68	991636.63	0.78	942.32	761.11	Recharge Zone
6938906	1/24/2000	Medina	292319.18	991552.29	1.47	950.41	769.68	Artesian Zone
6939504	1/26/2000	Medina	292703.58	991141.60	1.65	1,021.14	861.27	Artesian Zone
6939801	1/26/2000	Medina	292318.83	991110.10	0.70	955.76	753.02	Recharge Zone
6939901	1/26/2000	Medina	292304.27	990914.08	1.13	932.48	745.75	Artesian Zone
6940101	1/26/2000	Medina	292935.75	990729.40	0.61	1,023.22	870.98	Artesian Zone
6940102	1/26/2000	Medina	292740.12	990701.62	2.50	966.60	842.60	Recharge Zone
6940202	1/27/2000	Medina	292801.71	990426.21	1.05	997.69	834.72	Recharge Zone
6940403	1/26/2000	Medina	292556.04	990659.29	0.78	932.32	789.42	Recharge Zone
6940404	1/26/2000	Medina	292602.19	990718.34	1.15	935.18	787.41	Artesian Zone
6940901	1/27/2000	Medina	292433.94	990002.76	0.71	878.23	713.50	Artesian Zone
6946601	1/24/2000	Medina	291956.09	991644.17	0.89	884.40	764.24	Artesian Zone
6946602	1/24/2000	Medina	291900.58	991538.20	0.50	908.32	754.80	Artesian Zone
6947301	1/27/2000	Medina	292136.57	990937.05	0.92	915.82	712.84	Artesian Zone
6947305	1/27/2000	Medina	292120.52	990950.03	0.51	910.02	708.02	Artesian Zone
6947306	1/24/2000	Medina	292046.75	990820.20	0.80	886.68	714.99	Artesian Zone
6947502	1/25/2000	Medina	291853.00	991031.91	0.56	872.00	718.62	Artesian Zone
6947503	1/24/2000	Medina	291931.35	991227.60	0.86	884.78	714.84	Artesian Zone
6947602	1/25/2000	Medina	291918.00	990918.45	1.15	862.24	717.38	Artesian Zone
6948102	1/24/2000	Medina	292104.10	990512.20	0.65	867.03	712.36	Artesian Zone
6948303	1/31/2000	Medina	292125.12	990051.43	2.55	1,007.08	681.16	Artesian Zone
6956501	1/25/2000	Medina	291027.05	990303.59	2.13	714.70	727.33	Artesian Zone
6956507	1/25/2000	Medina	291018.32	990317.78	1.30	712.77	726.57	Artesian Zone
6963103	1/25/2000	Medina	290639.91	991312.10	4.83	661.18	755.98	Artesian Zone
68339AA	1/26/2000	Medina	292216.49	985351.81	0.85	773.89	697.38	Artesian Zone
68415AA	1/31/2000	Medina	291839.74	985539.90	5.00	951.35	696.56	Artesian Zone
68416AA	2/1/2000	Medina	291942.04	985324.31	3.50	965.61	691.92	Artesian Zone
68422AA	1/31/2000	Medina	292213.28	984842.01	0.80	777.53	686.76	Artesian Zone
69396AA	1/27/2000	Medina	292606.12	990858.76	1.00	999.31	804.91	Recharge Zone
6946702-B	1/25/2000	Medina	291546.50	992122.73	2.00	949.73	758.04	Artesian Zone
69472AA	1/27/2000	Medina	292053.25	991158.62	2.63	909.27	724.10	Artesian Zone
69475AA	1/25/2000	Medina	291814.47	991054.76	0.74	860.15	717.74	Artesian Zone
69489AA	1/25/2000	Medina	291554.58	990220.56	1.10	794.98	728.98	Artesian Zone
6935401*	1/23/2000	Uvalde	292630.68	994456.96	1.00	1,289.97	1,169.58	Recharge Zone
6935602*	1/23/2000	Uvalde	292645.21	993955.12	0.50	1,149.72	1,083.57	Recharge Zone
6935804*	1/23/2000	Uvalde	292340.20	994207.76	0.00	1,153.44	1,024.09	Recharge Zone
6936402	1/25/2000	Uvalde	292508.17	993634.36	2.60	1,096.34	793.00	Artesian Zone

Table A-3. Water levels collected during the January 23 through February 3, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6936601	1/25/2000	Uvalde	292532.31	993058.54	0.07	1,072.36	795.58	Artesian Zone
6942709	1/24/2000	Uvalde	291625.04	995146.26	1.80	1,005.63	902.03	Artesian Zone
6943202	1/23/2000	Uvalde	292130.14	994143.52	1.46	1,068.30	927.71	Recharge Zone
6943409	1/25/2000	Uvalde	291926.07	994249.71	1.70	1,056.46	879.00	Artesian Zone
6943606	1/25/2000	Uvalde	291840.29	993828.91	0.90	1,000.09	778.59	Artesian Zone
6943607	1/25/2000	Uvalde	291935.42	993819.05	2.00	1,009.65	787.00	Artesian Zone
6943903	1/25/2000	Uvalde	291559.24	993856.72	1.25	954.83	852.06	Artesian Zone
6944108	1/23/2000	Uvalde	292204.37	993621.36	2.50	1,040.63	784.58	Artesian Zone
6944301	1/23/2000	Uvalde	292110.57	993048.07	1.15	1,001.93	770.73	Artesian Zone
6944703	1/25/2000	Uvalde	291526.72	993510.46	1.38	934.41	771.59	Artesian Zone
6944804	1/25/2000	Uvalde	291726.32	993421.98	1.50	952.67	769.62	Artesian Zone
6944902	1/24/2000	Uvalde	291611.24	993018.97	2.48	899.91	766.41	Artesian Zone
6945401	1/25/2000	Uvalde	291909.99	992811.63	0.70	953.79	766.66	Artesian Zone
6950302	1/25/2000	Uvalde	291231.48	994703.73	2.40	904.90	877.74	Artesian Zone
6950501	1/25/2000	Uvalde	291128.61	994954.46	1.07	912.80	874.91	Artesian Zone
6951401	1/23/2000	Uvalde	291027.83	994403.39	1.36	891.30	860.46	Saline Zone
6951602	1/23/2000	Uvalde	291032.62	993937.83	0.90	863.36	834.23	Saline Zone
6951606	1/25/2000	Uvalde	291135.05	993756.38	2.08	877.55	774.18	Saline Zone
6952202	1/24/2000	Uvalde	291442.62	993258.49	2.76	874.02	764.55	Artesian Zone
6952403	1/23/2000	Uvalde	291156.01	993700.85	0.00	875.11	772.10	Saline Zone
6952404	1/25/2000	Uvalde	291132.99	993637.63	2.77	867.02	774.41	Saline Zone
7040901*	1/24/2000	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.18	Recharge Zone
69369AA	1/25/2000	Uvalde	292249.34	992939.57	0.82	1,028.59	766.40	Artesian Zone
69433AA	1/26/2000	Uvalde	292039.89	993844.87	1.00	1,037.95	791.45	Artesian Zone
69439AA	1/25/2000	Uvalde	291558.33	993811.03	0.56	947.76	814.63	Artesian Zone
69493AA	1/27/2000	Uvalde	291438.97	995235.57	0.30	968.16	900.33	Artesian Zone
69502AA	1/27/2000	Uvalde	291237.94	994907.37	0.83	913.08	879.83	Artesian Zone
69502BB	1/27/2000	Uvalde	291429.99	994901.47	0.39	931.63	885.20	Artesian Zone
69502CC	1/27/2000	Uvalde	291234.50	994834.37	2.65	910.31	878.69	Artesian Zone
69502DD	1/27/2000	Uvalde	291412.88	994938.83	0.00	941.30	886.30	Artesian Zone
69503AA	1/27/2000	Uvalde	291444.86	994726.72	0.55	956.79	881.79	Artesian Zone
69503CC	1/25/2000	Uvalde	291300.13	994519.22	0.80	930.35	878.63	Artesian Zone
69505BB	1/27/2000	Uvalde	291137.84	994735.74	1.00	901.20	875.37	Artesian Zone
69506AA	1/25/2000	Uvalde	291135.50	994634.34	0.37	897.12	871.19	Artesian Zone
69511AA	1/23/2000	Uvalde	291429.78	994432.83	1.00	965.57	872.87	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-4. Water levels collected during the July 17 through July 25, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	7/19/2000	Atascosa	291348.941	984755.961	1.000	711.856	639.893	Artesian Zone
6821802	7/18/2000	Bexar	293747.874	982728.333	1.580	989.709	736.239	Recharge Zone
6821806	7/17/2000	Bexar	293745.726	982654.561	2.380	950.660	709.213	Recharge Zone
6827307	7/18/2000	Bexar	293507.779	983750.924	1.100	990.744	770.467	Recharge Zone
6827401	7/20/2000	Bexar	293310.234	984440.121	2.450	1,031.453	728.838	Recharge Zone
6827517	7/17/2000	Bexar	293358.602	984054.193	2.050	997.391	736.204	Recharge Zone
6827609	7/18/2000	Bexar	293404.553	983941.819	-0.330	960.540	734.290	Recharge Zone
6827610	7/19/2000	Bexar	293251.778	983808.314	2.110	902.050	712.760	Recharge Zone
6827611	7/19/2000	Bexar	293429.121	983738.547	-0.230	964.162	740.789	Recharge Zone
6828113	7/17/2000	Bexar	293516.484	983627.525	-0.450	1,022.330	744.563	Recharge Zone
6828210	7/19/2000	Bexar	293530.418	983433.970	-0.370	984.267	748.197	Recharge Zone
6828211	7/20/2000	Bexar	293516.121	983254.883	2.650	974.299	730.362	Recharge Zone
6828313	7/20/2000	Bexar	293635.421	983021.726	2.500	948.805	725.695	Recharge Zone
6828314	7/19/2000	Bexar	293534.919	983040.732	1.400	900.533	705.443	Recharge Zone
6828315	7/18/2000	Bexar	293611.273	983118.889	-0.170	946.749	712.546	Recharge Zone
6828406	7/19/2000	Bexar	293349.539	983558.214	0.800	978.721	705.794	Recharge Zone
6828407	7/19/2000	Bexar	293424.738	983508.184	-0.220	1,000.034	734.057	Recharge Zone
6828515	7/20/2000	Bexar	293347.725	983340.887	1.710	975.690	705.713	Recharge Zone
6828516	7/19/2000	Bexar	293339.231	983447.075	1.460	947.648	744.825	Recharge Zone
6828517	7/19/2000	Bexar	293435.681	983430.169	2.540	963.837	742.447	Recharge Zone
6828518	7/20/2000	Bexar	293438.484	983241.658	2.450	926.610	706.153	Recharge Zone
6828519	7/20/2000	Bexar	293408.414	983312.861	-0.300	926.840	695.363	Recharge Zone
6828608	7/19/2000	Bexar	293456.854	983048.919	1.900	858.078	654.168	Recharge Zone
6828609	7/18/2000	Bexar	293458.647	983213.636	-0.300	926.248	702.788	Recharge Zone
6828909	7/17/2000	Bexar	293026.000	983132.000	1.500	783.030	644.723	Artesian Zone
6828920	7/19/2000	Bexar	293230.201	983038.660	0.750	924.957	649.310	Artesian Zone
6828921	7/17/2000	Bexar	293015.000	983222.000	1.100	823.440	644.747	Artesian Zone
6829103	7/21/2000	Bexar	293522.516	982916.816	0.610	952.512	682.100	Recharge Zone
6829112	7/20/2000	Bexar	293558.818	982848.385	2.380	889.000	708.100	Recharge Zone
6829113	7/18/2000	Bexar	293534.142	982828.200	1.520	885.914	699.267	Recharge Zone
6829114	7/18/2000	Bexar	293528.378	982743.411	-0.300	852.599	694.522	Recharge Zone
6829213	7/19/2000	Bexar	293504.458	982708.788	1.300	851.857	672.157	Recharge Zone
6829214	7/19/2000	Bexar	293519.609	982541.037	-0.400	809.911	659.728	Recharge Zone
6829215	7/19/2000	Bexar	293537.045	982623.957	2.100	826.996	683.426	Recharge Zone
6829216	7/20/2000	Bexar	293642.705	982639.918	-0.400	923.700	704.850	Recharge Zone
6829217	7/20/2000	Bexar	293614.856	982623.392	-0.400	919.896	701.716	Recharge Zone
6829418	7/20/2000	Bexar	293455.954	982802.285	2.260	828.154	681.427	Recharge Zone
6829506	7/18/2000	Bexar	293428.556	982620.574	1.350	788.000	646.143	Recharge Zone
6829605	7/17/2000	Bexar	293300.143	982313.510	-2.200	808.080	657.236	Artesian Zone
6829611	7/18/2000	Bexar	293358.000	982307.000	2.800	829.800	640.087	Artesian Zone
6829913	7/18/2000	Bexar	293151.000	982242.000	1.750	815.750	641.013	Artesian Zone
6830807*	7/17/2000	Bexar	293129.525	981745.953	1.000	752.901	642.581	Artesian Zone
6835103	7/25/2000	Bexar	292843.000	984346.000	5.330	993.030	639.700	Artesian Zone
6835106	7/25/2000	Bexar	292855.000	984250.000	1.200	959.510	649.843	Artesian Zone
6835202	7/17/2000	Bexar	292920.089	984126.721	1.400	848.570	662.950	Artesian Zone
6836103	7/17/2000	Bexar	292918.000	983603.000	2.160	907.260	647.407	Artesian Zone
6836206	7/17/2000	Bexar	292821.000	983253.000	4.200	756.230	646.720	Artesian Zone
6836512	7/17/2000	Bexar	292621.000	983347.000	2.300	684.830	647.755	Artesian Zone
6836901	7/20/2000	Bexar	292449.298	983056.772	3.210	637.236	644.221	Artesian Zone
6837103	7/17/2000	Bexar	292950.000	982913.000	1.000	729.530	644.503	Artesian Zone
6837203	7/17/2000	Bexar	292844.861	982557.391	0.300	730.810	645.200	Artesian Zone
6837304	7/19/2000	Bexar	292808.328	982301.840	2.300	702.685	648.573	Artesian Zone
6837521*	7/24/2000	Bexar	292505.560	982539.630	3.700	620.000	641.060	Saline Zone
6837522*	7/24/2000	Bexar	292506.390	982540.270	3.700	620.000	642.750	Saline Zone
6837523*	7/24/2000	Bexar	292505.990	982539.960	3.600	620.000	640.890	Saline Zone
6837524	7/24/2000	Bexar	292544.350	982640.130	4.100	626.000	644.570	Artesian Zone
6837526	7/26/2000	Bexar	292555.730	982607.330	2.900	642.000	644.090	Artesian Zone
6837527	7/26/2000	Bexar	292556.750	982607.360	3.400	641.000	642.213	Artesian Zone
6837606	7/18/2000	Bexar	292646.428	982440.209	0.900	677.678	644.422	Artesian Zone
6843402	7/20/2000	Bexar	291848.965	984251.530	1.420	698.438	647.608	Artesian Zone
6843606	7/20/2000	Bexar	291910.968	983912.000	1.830	619.964	660.504	Artesian Zone
6843607*	7/20/2000	Bexar	291845.829	983348.730	2.590	606.962	634.582	Saline Zone
68285AA	7/21/2000	Bexar	293315.167	983348.730	1.500	886.779	642.059	Recharge Zone
68289AA*	7/19/2000	Bexar	293021.898	983011.834	1.250	819.572	664.072	Artesian Zone
68293AA	7/20/2000	Bexar	293606.226	982303.670	1.700	967.680	663.560	Artesian Zone
68299BB	7/21/2000	Bexar	293107.563	982444.347	0.500	724.778	641.011	Artesian Zone
68299CC	7/21/2000	Bexar	293100.415	982444.347	0.200	724.119	636.145	Artesian Zone

Table A-4. Water levels collected during the July 17 through July 25, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
68302AA	7/18/2000	Bexar	293554.881	981912.774	1.090	780.742	638.162	Artesian Zone
68302BB*	7/18/2000	Bexar	293555.872	981906.509	1.250	763.497	618.344	Artesian Zone
68307AA*	7/20/2000	Bexar	293104.537	982228.986	1.050	819.100	659.940	Artesian Zone
68377AA	7/24/2000	Bexar	292439.516	982949.322	-2.700	610.000	640.087	Artesian Zone
68431AA	7/24/2000	Bexar	292157.440	984413.943	1.000	717.006	656.779	Artesian Zone
68268AA	7/21/2000	Bexar	293127.950	984731.380	3.200	1,040.000	737.655	Artesian Zone
6815803	7/21/2000	Comal	294609.502	981144.152	1.200	954.973	691.150	Recharge Zone
6815807	7/21/2000	Comal	294517.857	981225.446	0.950	983.771	673.691	Recharge Zone
6815809	7/21/2000	Comal	294615.403	981035.310	0.350	908.389	653.266	Recharge Zone
6815907	7/21/2000	Comal	294516.813	980822.386	1.600	706.477	621.550	Recharge Zone
6815912	7/21/2000	Comal	294516.230	980827.600	1.200	693.787	626.860	Recharge Zone
6816602	7/21/2000	Comal	294738.931	980127.104	0.200	608.048	598.435	Saline Zone
6816701	7/21/2000	Comal	294526.191	980617.242	2.000	711.567	613.167	Transition Zone
6816703	7/21/2000	Comal	294513.175	980535.226	0.700	700.537	610.012	Transition Zone
6816801	7/21/2000	Comal	294712.364	980310.318	0.500	752.830	606.330	Saline Zone
6816803	7/21/2000	Comal	294611.705	980426.770	1.500	725.394	607.619	Transition Zone
6822602	7/21/2000	Comal	294039.115	981725.347	0.650	913.886	647.619	Recharge Zone
6822604	7/21/2000	Comal	294152.920	981531.533	1.260	911.731	656.374	Recharge Zone
6822605	7/21/2000	Comal	294056.729	981537.723	0.610	888.547	648.964	Recharge Zone
6822810	7/21/2000	Comal	293936.976	981825.516	1.300	889.430	656.847	Transition Zone
6822911	7/21/2000	Comal	293745.770	981620.669	1.000	770.485	638.148	Transition Zone
6823105	7/21/2000	Comal	294253.779	981323.655	1.570	984.877	623.204	Recharge Zone
6823208	7/21/2000	Comal	294405.647	981140.009	0.250	887.630	638.893	Recharge Zone
6823209	7/21/2000	Comal	294314.839	981044.392	0.830	862.030	623.407	Recharge Zone
6823210	7/21/2000	Comal	294252.263	981228.967	0.320	920.230	642.207	Recharge Zone
6823302	7/21/2000	Comal	294248.868	980818.078	1.000	642.593	623.300	Recharge Zone
6823304	7/21/2000	Comal	294240.000	980818.000	0.360	626.170	627.700	Artesian Zone
6823306	7/21/2000	Comal	294446.342	980914.212	0.100	807.667	623.240	Recharge Zone
6823309	7/21/2000	Comal	294307.202	980806.866	0.000	736.207	621.030	Recharge Zone
6823316*	7/21/2000	Comal	294316.919	980852.460	1.060	806.524	612.597	Recharge Zone
6823319	7/21/2000	Comal	294315.627	980739.641	1.500	627.629	621.952	Recharge Zone
6823617	7/17/2000	Comal	294220.120	980806.205	2.720	633.215	627.758	Saline Zone
6823807	7/21/2000	Comal	293958.912	981016.767	1.700	655.876	631.076	Artesian Zone
6830208	7/21/2000	Comal	293636.783	981910.485	2.110	798.085	654.500	Artesian Zone
6830226	7/21/2000	Comal	293654.486	981901.745	1.580	827.307	640.167	Artesian Zone
6823616A	7/19/2000	Comal	294215.635	980759.075	2.400	635.421	627.138	Artesian Zone
6823619B	7/19/2000	Comal	294226.604	980810.505	2.300	634.408	627.811	Artesian Zone
6830314*	7/17/2000	Guadalupe	293609.470	981526.050	2.170	871.010	643.410	Artesian Zone
6831403*	7/17/2000	Guadalupe	293423.010	981346.110	2.090	709.080	643.890	Saline Zone
6831511*	7/17/2000	Guadalupe	293245.490	981209.560	2.060	674.000	642.863	Saline Zone
6831808*	7/17/2000	Guadalupe	293057.550	981104.950	2.890	648.920	639.690	Saline Zone
5842819	7/20/2000	Hays	301539.623	974903.259	N/A	672.939	455.180	Artesian Zone
5850301	7/20/2000	Hays	301237.253	974653.698	N/A	652.209	452.200	Artesian Zone
5850801	7/20/2000	Hays	300834.116	974838.724	N/A	662.083	524.000	Artesian Zone
5857602*	7/20/2000	Hays	300427.179	975456.885	N/A	801.942	670.940	Recharge Zone
5857903	7/20/2000	Hays	300218.590	975310.204	N/A	824.020	590.500	Artesian Zone
5858101	7/20/2000	Hays	300500.894	975033.499	N/A	707.249	543.800	Artesian Zone
5858123	7/20/2000	Hays	300633.953	975030.232	N/A	700.890	535.150	Artesian Zone
6701303	7/18/2000	Hays	295923.140	975231.715	1.100	719.239	519.000	Transition Zone
6701311	7/17/2000	Hays	295853.150	975329.050	2.480	770.520	547.440	Transition Zone
6701701	7/17/2000	Hays	295342.031	975752.041	0.000	734.500	576.230	Transition Zone
6701809	7/17/2000	Hays	295442.907	975543.586	1.200	601.269	574.716	Recharge Zone
6701812	7/17/2000	Hays	295325.714	975542.127	2.890	580.889	574.982	Saline Zone
6702104	7/17/2000	Hays	295858.050	975217.510	2.610	674.320	551.350	Saline Zone
6702105*	7/17/2000	Hays	295729.880	975031.640	2.190	646.700	574.625	Saline Zone
6702106*	7/17/2000	Hays	295829.060	975125.610	2.170	678.280	570.980	Saline Zone
6709105	7/19/2000	Hays	295041.239	975903.056	2.500	692.233	580.366	Transition Zone
6709106	7/19/2000	Hays	295108.758	975913.765	1.320	699.662	578.425	Transition Zone
6709110	7/19/2000	Hays	295036.890	975856.089	1.875	678.877	578.302	Transition Zone
6808902	7/18/2000	Hays	295347.278	980010.417	2.830	783.772	584.305	Recharge Zone
58573GC	7/20/2000	Hays	300551.314	975312.661	N/A	824.498	591.000	Artesian Zone
67014AA	7/17/2000	Hays	295517.743	975755.591	0.900	724.880	579.297	Recharge Zone
67015AA	7/17/2000	Hays	295513.841	975655.734	0.890	698.586	576.849	Recharge Zone
67017AA	7/17/2000	Hays	295410.800	975835.570	1.100	800.126	578.726	Recharge Zone
67017BB	7/17/2000	Hays	295430.944	975817.542	0.770	767.832	582.215	Recharge Zone
6701813A	7/17/2000	Hays	295328.061	975545.757	3.100	581.120	574.570	Saline Zone
6701813B	7/17/2000	Hays	295328.061	975545.757	3.080	581.120	575.597	Saline Zone

Table A-4. Water levels collected during the July 17 through July 25, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6701814A	7/17/2000	Hays	295330.579	975551.081	6.396	575.543	573.489	Saline Zone
6701814B	7/17/2000	Hays	295330.579	975551.081	6.396	575.543	573.586	Saline Zone
67018BB	7/17/2000	Hays	295339.966	975546.024	1.160	585.026	574.596	Transition Zone
67018CC	7/17/2000	Hays	295336.999	975555.370	2.120	632.697	574.840	Transition Zone
67018DD	7/18/2000	Hays	295313.831	975658.655	1.000	750.956	574.943	Transition Zone
67018EE	7/17/2000	Hays	295429.401	975509.517	2.050	609.923	574.996	Transition Zone
67018FF	7/17/2000	Hays	295409.697	975518.218	2.450	589.365	575.295	Recharge Zone
67019AA	7/19/2000	Hays	295450.352	975458.552	2.790	649.703	575.626	Transition Zone
67091AA	7/18/2000	Hays	295131.728	975934.117	0.410	748.406	577.793	Recharge Zone
67091BB	7/18/2000	Hays	295203.485	975807.779	0.550	646.439	574.906	Recharge Zone
67091CC	7/19/2000	Hays	295011.549	975938.165	4.750	732.901	578.264	Transition Zone
7038902*	7/17/2000	Kinney	292448.968	1001540.396	2.100	1,378.942	1,188.509	Recharge Zone
6833604	7/19/2000	Medina	292519.867	985319.507	0.900	847.950	675.653	Artesian Zone
6834506	7/17/2000	Medina	292552.736	984846.644	0.850	1,043.456	660.023	Artesian Zone
6841301	7/19/2000	Medina	292118.161	985248.373	1.640	759.761	674.781	Artesian Zone
6842106	7/19/2000	Medina	292116.898	985114.722	1.000	774.975	670.095	Artesian Zone
6842112*	7/19/2000	Medina	292044.755	985056.679	2.900	762.601	680.324	Artesian Zone
6842502	7/19/2000	Medina	291838.013	984921.785	1.250	728.852	662.165	Artesian Zone
6937301	7/17/2000	Medina	292800.017	992302.840	1.730	1,166.217	829.462	Artesian Zone
6938601	7/17/2000	Medina	292618.741	991700.464	1.340	1,007.825	847.005	Artesian Zone
6938902	7/17/2000	Medina	292244.682	991636.631	0.780	942.325	733.465	Recharge Zone
6938906	7/17/2000	Medina	292319.182	991552.290	1.470	950.408	739.233	Artesian Zone
6939504	7/19/2000	Medina	292703.576	991141.603	1.650	1,021.140	842.660	Artesian Zone
6939801	7/19/2000	Medina	292318.833	991110.102	0.700	955.760	726.010	Recharge Zone
6940101	7/19/2000	Medina	292935.745	990729.400	0.610	1,023.220	858.840	Artesian Zone
6940102	7/19/2000	Medina	292740.124	990701.624	2.500	966.600	827.840	Recharge Zone
6940202	7/18/2000	Medina	292801.706	990426.206	1.050	997.691	822.374	Recharge Zone
6940404	7/19/2000	Medina	292602.186	990718.342	1.150	935.180	763.585	Recharge Zone
6940901	7/18/2000	Medina	292433.938	990002.762	0.710	878.225	686.698	Artesian Zone
6946601	7/18/2000	Medina	291956.092	991644.169	0.890	884.398	728.488	Artesian Zone
6946602	7/17/2000	Medina	291900.578	991538.197	0.500	908.315	726.865	Artesian Zone
6947301	7/20/2000	Medina	292136.569	990937.052	0.920	915.820	687.250	Artesian Zone
6947305	7/20/2000	Medina	292120.523	990950.028	0.510	910.020	682.090	Artesian Zone
6947306	7/17/2000	Medina	292046.745	990820.201	0.800	886.680	687.750	Artesian Zone
6947502	7/18/2000	Medina	291852.998	991031.911	0.560	872.000	693.325	Artesian Zone
6947503	7/17/2000	Medina	291931.348	991227.601	0.860	884.776	697.086	Artesian Zone
6947602	7/18/2000	Medina	291917.995	990918.452	1.150	862.240	692.085	Artesian Zone
6947603	7/18/2000	Medina	291826.865	990858.493	1.600	844.012	691.867	Artesian Zone
6948102	7/17/2000	Medina	292104.097	990512.196	0.650	867.030	687.440	Artesian Zone
6948303	7/21/2000	Medina	292125.122	990051.425	2.550	1,007.084	674.404	Artesian Zone
6956501	7/18/2000	Medina	291027.047	990303.588	2.130	714.700	716.830	Artesian Zone
6956507	7/18/2000	Medina	291018.322	990317.783	1.300	712.767	714.067	Artesian Zone
6963103	7/18/2000	Medina	290639.912	991312.102	4.830	661.184	727.154	Artesian Zone
69339AA	7/19/2000	Medina	292216.494	985351.809	0.850	773.888	672.905	Artesian Zone
68415AA	7/21/2000	Medina	291839.742	985539.902	5.000	951.353	671.180	Artesian Zone
68416AA	7/20/2000	Medina	291942.044	985324.315	3.500	965.614	667.107	Artesian Zone
68422AA	7/19/2000	Medina	292213.277	984842.012	0.800	777.534	662.247	Artesian Zone
69396AA	7/19/2000	Medina	292606.116	990858.764	1.000	999.310	784.860	Recharge Zone
6946702-B	7/18/2000	Medina	291546.500	992122.726	2.000	949.728	729.738	Artesian Zone
69472AA	7/20/2000	Medina	292053.251	991158.619	2.630	909.270	698.505	Artesian Zone
69475AA	7/18/2000	Medina	291814.466	991054.762	0.740	860.147	692.432	Artesian Zone
69489AA	7/18/2000	Medina	291554.582	990220.560	1.100	794.982	702.672	Artesian Zone
6935401*	7/20/2000	Uvalde	292630.677	994456.955	1.000	1,289.970	1,167.050	Recharge Zone
6935602*	7/20/2000	Uvalde	292645.214	993955.118	0.500	1,149.724	1,082.764	Recharge Zone
6935804*	7/19/2000	Uvalde	292340.204	994207.763	0.000	1,153.439	1,011.514	Recharge Zone
6936402	7/20/2000	Uvalde	292508.165	993634.361	2.600	1,096.336	761.196	Artesian Zone
6936601	7/19/2000	Uvalde	292532.311	993058.544	0.070	1,072.363	777.383	Artesian Zone
6942709	7/18/2000	Uvalde	291625.037	995146.261	1.800	1,005.625	894.938	Artesian Zone
6943409	7/20/2000	Uvalde	291926.066	994249.712	1.700	1,056.459	864.114	Artesian Zone
6943607	7/20/2000	Uvalde	291935.420	993819.053	2.000	1,009.650	755.650	Saline Zone
6943903	7/21/2000	Uvalde	291559.244	993856.719	1.250	954.834	844.154	Artesian Zone
6944108	7/21/2000	Uvalde	292204.366	993621.355	2.500	1,040.626	753.226	Artesian Zone
6944301	7/19/2000	Uvalde	292110.575	993048.065	1.150	1,001.929	741.764	Artesian Zone
6944402	7/19/2000	Uvalde	291948.422	993536.781	1.000	997.374	755.574	Artesian Zone
6944703*	7/20/2000	Uvalde	291526.716	993510.463	1.380	934.413	688.788	Artesian Zone
6944804	7/20/2000	Uvalde	291726.316	993421.978	1.500	952.672	721.262	Artesian Zone
6944902	7/17/2000	Uvalde	291611.240	993018.970	2.480	899.910	737.637	Artesian Zone

Table A-4. Water levels collected during the July 17 through July 25, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6945401	7/17/2000	Uvalde	291909.992	992811.629	0.700	953.786	738.000	Artesian Zone
6950302	7/17/2000	Uvalde	291231.478	994703.730	2.400	904.900	869.063	Artesian Zone
6950501	7/20/2000	Uvalde	291128.610	994954.458	1.070	912.801	865.378	Artesian Zone
6951602	7/19/2000	Uvalde	291032.623	993937.830	0.900	863.356	830.596	Saline Zone
6952202	7/17/2000	Uvalde	291442.620	993258.490	2.755	874.020	734.503	Artesian Zone
6952403	7/19/2000	Uvalde	291156.010	993700.855	0.000	875.105	761.925	Saline Zone
6953701	7/20/2000	Uvalde	290849.984	992841.318	1.800	748.027	735.990	Artesian Zone
7040901*	7/18/2000	Uvalde	292340.405	1000008.349	0.840	1,124.265	1,081.108	Recharge Zone
69369AA	7/21/2000	Uvalde	292249.337	992939.571	0.820	1,028.588	745.393	Artesian Zone
69433AA	7/18/2000	Uvalde	292039.894	993844.868	1.000	1,037.952	763.112	Artesian Zone
69438AA	7/21/2000	Uvalde	291716.984	994158.314	0.910	976.579	845.679	Artesian Zone
69439AA	7/21/2000	Uvalde	291558.334	993811.029	0.560	947.764	827.099	Artesian Zone
69493AA	7/19/2000	Uvalde	291438.974	995235.567	0.300	968.159	892.206	Artesian Zone
69502AA	7/19/2000	Uvalde	291237.941	994907.368	0.830	913.084	871.411	Artesian Zone
69502BB	7/18/2000	Uvalde	291429.990	994901.468	0.390	931.631	875.921	Artesian Zone
69502CC	7/19/2000	Uvalde	291234.500	994834.373	2.650	910.310	870.530	Artesian Zone
69503AA	7/18/2000	Uvalde	291444.861	994726.721	0.550	956.789	872.256	Artesian Zone
69503CC	7/18/2000	Uvalde	291300.129	994519.217	0.800	930.351	863.254	Artesian Zone
69505BB	7/19/2000	Uvalde	291137.839	994735.744	1.000	901.199	868.229	Artesian Zone
69506AA	7/17/2000	Uvalde	291135.498	994634.340	0.370	897.124	866.224	Artesian Zone
69511AA	7/19/2000	Uvalde	291429.785	994432.835	1.000	965.569	869.819	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-5. Water levels collected during the October 30 through November 3, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	10/31/2000	Atascosa	291348.94	984755.96	1.00	711.86	657.59	Artesian Zone
6821802	10/27/2000	Bexar	293747.87	982728.33	1.58	989.71	729.11	Recharge Zone
6827307	11/1/2000	Bexar	293507.78	983750.92	1.10	990.74	769.71	Recharge Zone
6827517	11/7/2000	Bexar	293358.60	984054.19	2.05	997.39	734.41	Recharge Zone
6827609	11/7/2000	Bexar	293404.55	983941.82	-0.33	960.54	715.79	Recharge Zone
6827610	11/7/2000	Bexar	293251.78	983808.31	2.11	902.05	721.90	Recharge Zone
6827611	11/1/2000	Bexar	293429.12	983738.55	-0.23	964.16	727.93	Recharge Zone
6827612	11/7/2000	Bexar	293403.40	983820.23	2.83	957.84	719.24	Recharge Zone
6828113	11/7/2000	Bexar	293516.48	983627.53	-0.45	1,022.33	765.04	Recharge Zone
6828210	11/7/2000	Bexar	293530.42	983433.97	-0.37	984.27	744.10	Recharge Zone
6828211	11/2/2000	Bexar	293516.12	983254.88	2.65	974.30	729.54	Recharge Zone
6828313	11/7/2000	Bexar	293635.42	983021.73	2.50	948.81	770.27	Recharge Zone
6828315	11/7/2000	Bexar	293611.27	983118.89	-0.17	946.75	768.66	Recharge Zone
6828406	11/1/2000	Bexar	293349.54	983558.21	0.80	978.72	701.50	Recharge Zone
6828407	11/7/2000	Bexar	293424.74	983508.18	-0.22	1,000.03	733.76	Recharge Zone
6828515	11/2/2000	Bexar	293347.72	983340.89	1.71	975.69	702.60	Recharge Zone
6828516	11/2/2000	Bexar	293339.23	983447.08	1.46	947.65	745.10	Recharge Zone
6828517	11/2/2000	Bexar	293435.68	983430.17	2.54	963.84	745.00	Recharge Zone
6828518	11/2/2000	Bexar	293438.48	983241.66	2.45	926.61	701.33	Recharge Zone
6828519	11/7/2000	Bexar	293408.41	983312.86	-0.30	926.84	726.77	Recharge Zone
6828608	11/6/2000	Bexar	293456.85	983048.92	1.90	858.08	768.56	Recharge Zone
6828609	11/7/2000	Bexar	293458.65	983213.64	-0.30	926.25	705.49	Recharge Zone
6828909	11/2/2000	Bexar	293026.00	983132.00	1.50	783.03	660.32	Artesian Zone
6828920	11/2/2000	Bexar	293230.20	983038.66	0.75	924.96	661.96	Artesian Zone
6828921	11/2/2000	Bexar	293015.00	983222.00	1.10	823.44	662.08	Artesian Zone
6829103	11/1/2000	Bexar	293522.52	982916.82	0.61	952.51	681.40	Recharge Zone
6829112	11/1/2000	Bexar	293558.82	982848.38	2.38	889.00	707.63	Recharge Zone
6829113	11/1/2000	Bexar	293534.14	982828.20	1.52	885.91	697.58	Recharge Zone
6829114	11/1/2000	Bexar	293528.38	982743.41	-0.30	852.60	689.03	Recharge Zone
6829213	11/7/2000	Bexar	293504.46	982708.79	1.30	851.86	675.13	Recharge Zone
6829214	11/7/2000	Bexar	293519.61	982541.04	-0.40	809.91	672.36	Recharge Zone
6829215	11/2/2000	Bexar	293537.05	982623.96	2.10	827.00	678.60	Recharge Zone
6829216	11/1/2000	Bexar	293642.71	982639.92	-0.40	923.70	703.21	Recharge Zone
6829217	11/1/2000	Bexar	293614.86	982623.39	-0.40	919.90	701.49	Recharge Zone
6829418	11/1/2000	Bexar	293455.95	982802.28	2.26	828.15	677.30	Recharge Zone
6829506*	11/2/2000	Bexar	293428.56	982620.57	1.35	788.00	646.14	Recharge Zone
6829605*	11/6/2000	Bexar	293300.14	982313.51	-2.20	808.08	676.72	Artesian Zone
6829611	11/2/2000	Bexar	293358.00	982307.00	2.80	829.80	654.15	Artesian Zone
6829913	11/2/2000	Bexar	293151.00	982242.00	1.75	815.75	656.66	Artesian Zone
6830807	11/6/2000	Bexar	293129.52	981745.95	1.00	752.90	663.68	Artesian Zone
6835103	11/1/2000	Bexar	292843.00	984346.00	5.33	993.03	686.17	Artesian Zone
6835106	10/27/2000	Bexar	292855.00	984250.00	1.20	959.51	675.98	Artesian Zone
6835202	11/2/2000	Bexar	292920.09	984126.72	1.40	848.57	679.49	Artesian Zone
6836103	11/1/2000	Bexar	292918.00	983603.00	2.16	907.26	664.88	Artesian Zone
6836206	11/1/2000	Bexar	292821.00	983253.00	4.20	756.23	662.95	Artesian Zone
6836512	11/1/2000	Bexar	292621.00	983347.00	2.30	684.83	674.34	Artesian Zone
6836901	10/27/2000	Bexar	292449.30	983056.77	3.21	637.24	661.24	Artesian Zone
6837103	11/2/2000	Bexar	292950.00	982913.00	1.00	729.53	660.88	Artesian Zone
6837203	11/3/2000	Bexar	292844.86	982557.39	0.30	730.81	662.19	Artesian Zone
6837522	11/3/2000	Bexar	292506.39	982540.27	3.70	620.00	660.65	Saline Zone
6837523	11/3/2000	Bexar	292505.99	982539.96	3.60	620.00	658.79	Saline Zone
6837524	11/3/2000	Bexar	292544.35	982640.13	4.10	626.00	665.36	Artesian Zone
6837606	11/2/2000	Bexar	292646.43	982440.21	0.90	677.68	660.41	Artesian Zone
6843606*	10/27/2000	Bexar	291910.97	983912.00	1.83	619.96	680.13	Artesian Zone
6843607	10/27/2000	Bexar	291845.83	983348.73	2.59	606.96	651.33	Saline Zone
68285AA*	11/7/2000	Bexar	293315.17	983348.73	1.50	886.78	600.28	Recharge Zone
68293AA	11/7/2000	Bexar	293606.23	982303.67	1.70	967.68	658.46	Artesian Zone
68299BB	11/2/2000	Bexar	293107.56	982444.35	0.50	724.78	655.78	Artesian Zone
68299CC	11/2/2000	Bexar	293100.42	982444.35	0.20	724.12	656.19	Artesian Zone
68302AA	10/30/2000	Bexar	293554.88	981912.77	1.09	780.74	648.12	Artesian Zone
68302CC	10/30/2000	Bexar	293528.90	981949.80	1.00	783.84	648.61	Artesian Zone
68307AA	10/31/2000	Bexar	293104.54	982228.99	1.05	819.10	654.37	Artesian Zone
68377AA*	10/31/2000	Bexar	292439.52	982949.32	-2.70	610.00	629.25	Artesian Zone
68431AA	10/31/2000	Bexar	292157.44	984413.94	1.00	717.01	675.42	Artesian Zone
68437AA	10/27/2000	Bexar	291711.08	984331.52	3.10	639.33	662.67	Artesian Zone
6815803*	10/31/2000	Comal	294609.50	981144.15	1.20	954.97	691.15	Recharge Zone
6815807*	10/31/2000	Comal	294517.86	981225.45	0.95	983.77	697.47	Recharge Zone

Table A-5. Water levels collected during the October 30 through November 3, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6815809	10/31/2000	Comal	294615.40	981035.31	0.35	908.39	667.81	Recharge Zone
6815907	10/30/2000	Comal	294516.81	980822.39	1.60	706.48	627.63	Recharge Zone
6815912	10/30/2000	Comal	294516.23	980827.60	1.20	693.79	625.04	Recharge Zone
6816602	10/30/2000	Comal	294738.93	980127.10	0.20	608.05	599.58	Saline Zone
6816701	10/30/2000	Comal	294526.19	980617.24	2.00	711.57	613.12	Transition Zone
6816703	10/30/2000	Comal	294513.18	980535.23	0.70	700.54	609.68	Transition Zone
6816801	10/30/2000	Comal	294712.36	980310.32	0.50	752.83	607.10	Saline Zone
6816803	10/30/2000	Comal	294611.70	980426.77	1.50	725.39	606.52	Transition Zone
6822602	10/30/2000	Comal	294039.12	981725.35	0.65	913.89	646.79	Recharge Zone
6822603	10/30/2000	Comal	294208.09	981505.67	1.28	945.66	647.76	Recharge Zone
6822604	10/30/2000	Comal	294152.92	981531.53	1.26	911.73	652.03	Recharge Zone
6822605	10/30/2000	Comal	294056.73	981537.72	0.61	888.55	645.65	Recharge Zone
6822810	10/30/2000	Comal	293936.98	981825.52	1.30	889.43	655.73	Transition Zone
6822911	10/30/2000	Comal	293745.77	981620.67	1.00	770.49	644.79	Transition Zone
6823104	10/31/2000	Comal	294440.35	981327.28	0.95	996.38	691.52	Recharge Zone
6823105*	10/31/2000	Comal	294253.78	981323.66	1.57	984.88	620.28	Recharge Zone
6823208	10/31/2000	Comal	294405.65	981140.01	0.25	887.63	635.77	Recharge Zone
6823210	10/31/2000	Comal	294252.26	981228.97	0.32	920.23	639.38	Recharge Zone
6823302	10/31/2000	Comal	294248.87	980818.08	1.00	642.59	624.23	Recharge Zone
6823304	10/31/2000	Comal	294240.00	980818.00	0.36	626.17	630.90	Artesian Zone
6823306	10/31/2000	Comal	294446.34	980914.21	0.10	807.67	625.72	Recharge Zone
6823309	10/30/2000	Comal	294307.20	980806.87	0.00	736.21	622.36	Recharge Zone
6823316	10/30/2000	Comal	294316.92	980852.46	1.06	806.52	621.37	Recharge Zone
6823319	10/30/2000	Comal	294315.63	980739.64	1.50	627.63	622.02	Recharge Zone
6823502	10/31/2000	Comal	294056.25	981036.24	1.65	679.52	634.02	Recharge Zone
6823504	10/31/2000	Comal	294016.88	981147.10	3.40	706.18	634.03	Recharge Zone
6823602	10/31/2000	Comal	294206.76	980904.03	1.35	703.01	630.46	Recharge Zone
6823621	10/31/2000	Comal	294140.03	980933.02	0.87	670.81	632.26	Recharge Zone
6823709*	10/31/2000	Comal	293825.55	981359.22	0.45	714.11	676.26	Artesian Zone
6823710	10/31/2000	Comal	293948.35	981409.73	0.85	815.67	634.67	Recharge Zone
6823807	10/31/2000	Comal	293958.91	981016.77	1.70	655.88	631.78	Artesian Zone
6830208	10/31/2000	Comal	293636.78	981910.49	2.11	798.09	648.70	Artesian Zone
6830226	10/30/2000	Comal	293654.49	981901.74	1.58	827.31	641.51	Artesian Zone
6830315	10/27/2000	Comal	293632.40	981723.74	2.35	782.22	646.50	Artesian Zone
6830314	10/27/2000	Guadalupe	293609.47	981526.05	2.17	871.01	639.95	Artesian Zone
6831403*	10/27/2000	Guadalupe	293423.01	981346.11	2.09	709.08	648.77	Saline Zone
6831511*	10/27/2000	Guadalupe	293245.49	981209.56	2.06	674.00	641.65	Saline Zone
6831808*	10/27/2000	Guadalupe	293057.55	981104.95	2.89	648.92	634.74	Saline Zone
5842819	10/30/2000	Hays	301539.62	974903.26	N/A	672.94	450.05	Artesian Zone
5850301	10/30/2000	Hays	301237.25	974653.70	N/A	652.21	445.10	Artesian Zone
5850801	10/30/2000	Hays	300834.12	974838.72	N/A	662.08	523.00	Artesian Zone
5857602	10/30/2000	Hays	300427.18	975456.89	N/A	801.94	669.74	Recharge Zone
5857903	10/30/2000	Hays	300218.59	975310.20	N/A	824.02	576.93	Artesian Zone
5858101	10/30/2000	Hays	300500.89	975033.50	N/A	707.25	547.40	Artesian Zone
6701303	10/31/2000	Hays	295923.14	975231.71	1.10	719.24	529.84	Transition Zone
6701311	10/30/2000	Hays	295853.15	975329.05	2.48	770.52	553.97	Transition Zone
6701701	11/1/2000	Hays	295342.03	975752.04	0.00	734.50	575.50	Transition Zone
6701809	10/31/2000	Hays	295442.91	975543.59	1.20	601.27	574.08	Recharge Zone
6701812	11/2/2000	Hays	295325.71	975542.13	2.89	580.89	574.54	Saline Zone
6702104	10/30/2000	Hays	295858.05	975217.51	2.61	674.32	554.41	Saline Zone
6702105	10/30/2000	Hays	295729.88	975031.64	2.19	646.70	573.04	Saline Zone
6702106	10/30/2000	Hays	295829.06	975125.61	2.17	678.28	568.37	Saline Zone
6709105	11/1/2000	Hays	295041.24	975903.06	2.50	692.23	577.50	Transition Zone
6709106	11/1/2000	Hays	295108.76	975913.76	1.32	699.66	577.55	Transition Zone
6709110	11/1/2000	Hays	295036.89	975856.09	1.88	678.88	577.35	Transition Zone
6808902	11/1/2000	Hays	295347.28	980010.42	2.83	783.77	570.61	Recharge Zone
58499SP	10/30/2000	Hays	300849.60	975348.77	N/A	766.88	710.83	Artesian Zone
67014AA	11/1/2000	Hays	295517.74	975755.59	0.90	724.88	576.63	Recharge Zone
67015AA	10/31/2000	Hays	295513.84	975655.73	0.89	698.59	575.28	Recharge Zone
67017AA	11/1/2000	Hays	295410.80	975835.57	1.10	800.13	576.23	Recharge Zone
67017BB	11/1/2000	Hays	295430.94	975817.54	0.77	767.83	579.70	Recharge Zone
6701813A*	11/2/2000	Hays	295328.06	975545.76	3.10	581.12	574.54	Saline Zone
6701813B*	11/2/2000	Hays	295328.06	975545.76	3.08	581.12	577.77	Saline Zone
6701814A*	11/2/2000	Hays	295330.58	975551.08	6.40	575.54	574.25	Saline Zone
6701814B*	11/2/2000	Hays	295330.58	975551.08	6.40	575.54	573.96	Saline Zone
67018BB	11/2/2000	Hays	295339.97	975546.02	1.16	585.03	574.22	Transition Zone
67018CC	11/2/2000	Hays	295337.00	975555.37	2.12	632.70	574.42	Transition Zone

Table A-5. Water levels collected during the October 30 through November 3, 2000 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
7040901*	10/31/2000	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.68	Recharge Zone
69369AA	10/30/2000	Uvalde	292249.34	992939.57	0.82	1,028.59	749.24	Artesian Zone
69439AA	10/31/2000	Uvalde	291558.33	993811.03	0.56	947.76	857.43	Artesian Zone
69493AA	11/1/2000	Uvalde	291438.97	995235.57	0.30	968.16	891.39	Artesian Zone
69502AA	11/1/2000	Uvalde	291237.94	994907.37	0.83	913.08	871.21	Artesian Zone
69502BB	10/31/2000	Uvalde	291429.99	994901.47	0.39	931.63	874.94	Artesian Zone
69502CC	11/1/2000	Uvalde	291234.50	994834.37	2.65	910.31	870.26	Artesian Zone
69502DD	11/1/2000	Uvalde	291412.88	994938.83	0.00	941.30	876.34	Artesian Zone
69503AA	11/1/2000	Uvalde	291444.86	994726.72	0.55	956.79	871.36	Artesian Zone
69503CC	11/1/2000	Uvalde	291300.13	994519.22	0.80	930.35	866.08	Artesian Zone
69505BB	11/1/2000	Uvalde	291137.84	994735.74	1.00	901.20	868.21	Artesian Zone
69506AA	10/31/2000	Uvalde	291135.50	994634.34	0.37	897.12	866.34	Artesian Zone
69511AA	11/1/2000	Uvalde	291429.78	994432.83	1.00	965.57	868.05	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-6. Water levels collected during the February 9 through February 16, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	2/12/2001	Atascosa	291348.94	984755.96	1.00	711.86	680.30	Artesian Zone
6821802	2/12/2001	Bexar	293747.87	982728.33	1.58	989.71	735.81	Recharge Zone
6821806	2/12/2001	Bexar	293745.73	982654.56	2.38	950.66	727.50	Recharge Zone
6827307	2/12/2001	Bexar	293507.78	983750.92	1.10	990.74	806.17	Recharge Zone
6827517	2/12/2001	Bexar	293358.60	984054.19	2.05	997.39	790.20	Recharge Zone
6827609	2/12/2001	Bexar	293404.55	983941.82	-0.33	960.54	758.82	Recharge Zone
6827610	2/12/2001	Bexar	293251.78	983808.31	2.11	902.05	731.53	Recharge Zone
6827611	2/12/2001	Bexar	293429.12	983738.55	-0.23	964.16	753.69	Recharge Zone
6827612	2/12/2001	Bexar	293403.40	983820.23	2.83	957.84	750.37	Recharge Zone
6828113	2/12/2001	Bexar	293516.48	983627.53	-0.45	1,022.33	790.18	Recharge Zone
6828210	2/12/2001	Bexar	293530.42	983433.97	-0.37	984.27	775.83	Recharge Zone
6828211	2/12/2001	Bexar	293516.12	983254.88	2.65	974.30	740.18	Recharge Zone
6828313	2/12/2001	Bexar	293635.42	983021.73	2.50	948.81	740.28	Recharge Zone
6828314	2/12/2001	Bexar	293534.92	983040.73	1.40	900.53	720.91	Recharge Zone
6828315	2/12/2001	Bexar	293611.27	983118.89	-0.17	946.75	739.36	Recharge Zone
6828406	2/12/2001	Bexar	293349.54	983558.21	0.80	978.72	722.67	Recharge Zone
6828512	2/12/2001	Bexar	293425.39	983430.47	1.41	951.16	757.05	Recharge Zone
6828515	2/12/2001	Bexar	293347.72	983340.89	1.71	975.69	712.98	Recharge Zone
6828516	2/12/2001	Bexar	293339.23	983447.08	1.46	947.65	744.97	Recharge Zone
6828518	2/12/2001	Bexar	293438.48	983241.66	2.45	926.61	710.70	Recharge Zone
6828608	2/12/2001	Bexar	293456.85	983048.92	1.90	858.08	725.98	Recharge Zone
6828609	2/12/2001	Bexar	293458.65	983213.64	-0.30	926.25	708.11	Recharge Zone
6828909	2/15/2001	Bexar	293026.00	983132.00	1.50	783.03	684.28	Artesian Zone
6828920	2/12/2001	Bexar	293230.20	983038.66	0.75	924.96	690.88	Artesian Zone
6828921	2/15/2001	Bexar	293015.00	983222.00	1.10	823.44	686.14	Artesian Zone
6829103	2/12/2001	Bexar	293522.52	982916.82	0.61	952.51	700.10	Recharge Zone
6829112	2/12/2001	Bexar	293558.82	982848.38	2.38	889.00	724.96	Recharge Zone
6829113	2/12/2001	Bexar	293534.14	982828.20	1.52	885.91	724.73	Recharge Zone
6829114	2/12/2001	Bexar	293528.38	982743.41	-0.30	852.60	712.64	Recharge Zone
6829213	2/12/2001	Bexar	293504.46	982708.79	1.30	851.86	694.45	Recharge Zone
6829214	2/12/2001	Bexar	293519.61	982541.04	-0.40	809.91	692.06	Recharge Zone
6829215	2/12/2001	Bexar	293537.05	982623.96	2.10	827.00	702.05	Recharge Zone
6829216	2/12/2001	Bexar	293642.71	982639.92	-0.40	923.70	724.97	Recharge Zone
6829217	2/12/2001	Bexar	293614.86	982623.39	-0.40	919.90	721.44	Recharge Zone
6829418	2/12/2001	Bexar	293455.95	982802.28	2.26	828.15	705.63	Recharge Zone
6829506	2/12/2001	Bexar	293428.56	982620.57	1.35	788.00	679.62	Recharge Zone
6829605*	2/12/2001	Bexar	293300.14	982313.51	-2.20	808.08	681.50	Artesian Zone
6829611	2/15/2001	Bexar	293358.00	982307.00	2.80	829.80	675.42	Artesian Zone
6829913	2/15/2001	Bexar	293151.00	982242.00	1.75	815.75	677.24	Artesian Zone
6835106	2/15/2001	Bexar	292855.00	984250.00	1.20	959.51	706.28	Artesian Zone
6836103*	2/16/2001	Bexar	292918.00	983603.00	2.16	907.26	675.99	Artesian Zone
6836206	2/15/2001	Bexar	292821.00	983253.00	4.20	756.23	685.77	Artesian Zone
6836502	2/15/2001	Bexar	292618.00	983353.00	3.70	685.46	685.93	Artesian Zone
6836901	2/14/2001	Bexar	292449.30	983056.77	3.21	637.24	682.34	Artesian Zone
6837103	2/15/2001	Bexar	292950.00	982913.00	1.00	729.53	683.37	Artesian Zone
6837203	2/12/2001	Bexar	292844.86	982557.39	0.30	730.81	680.40	Artesian Zone
6837304	2/13/2001	Bexar	292808.33	982301.84	2.30	702.68	657.37	Artesian Zone
6837521	2/13/2001	Bexar	292505.56	982539.63	3.70	620.00	679.17	Saline Zone
6837522	2/13/2001	Bexar	292506.39	982540.27	3.70	620.00	679.53	Saline Zone
6837523	2/13/2001	Bexar	292505.99	982539.96	3.60	620.00	677.84	Saline Zone
6837524	2/13/2001	Bexar	292544.35	982640.13	4.10	626.00	682.32	Artesian Zone
6837525	2/13/2001	Bexar	292545.31	982600.94	5.00	624.00	677.55	Artesian Zone
6837606	2/12/2001	Bexar	292646.43	982440.21	0.90	677.68	677.89	Artesian Zone
6843402	2/14/2001	Bexar	291848.97	984251.53	1.42	698.44	688.48	Artesian Zone
6843606*	2/14/2001	Bexar	291910.97	983912.00	1.83	619.96	698.61	Artesian Zone
6843607	2/14/2001	Bexar	291845.83	983348.73	2.59	606.96	673.27	Saline Zone
68285AA*	2/12/2001	Bexar	293315.17	983348.73	1.50	886.78	599.12	Recharge Zone
68293AA	2/12/2001	Bexar	293606.23	982303.67	1.70	967.68	677.37	Artesian Zone
68299BB	2/12/2001	Bexar	293107.56	982444.35	0.50	724.78	675.99	Artesian Zone
68299CC	2/12/2001	Bexar	293100.42	982444.35	0.20	724.12	676.61	Artesian Zone
68302AA	2/13/2001	Bexar	293554.88	981912.77	1.09	780.74	658.74	Artesian Zone
68302CC	2/13/2001	Bexar	293528.90	981949.80	1.00	783.84	653.70	Artesian Zone
68307AA	2/13/2001	Bexar	293104.54	982228.99	1.05	819.10	668.75	Artesian Zone
68377AA*	2/13/2001	Bexar	292439.52	982949.32	-2.70	610.00	656.03	Artesian Zone
68431AA	2/14/2001	Bexar	292157.44	984413.94	1.00	717.01	698.31	Artesian Zone
68437AA	2/14/2001	Bexar	291711.08	984331.52	3.10	639.33	684.04	Artesian Zone
6816602	2/12/2001	Comal	294738.93	980127.10	0.20	608.05	601.86	Saline Zone

Table A-6. Water levels collected during the February 9 through February 16, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6816701	2/13/2001	Comal	294526.19	980617.24	2.00	711.57	618.89	Transition Zone
6816703	2/12/2001	Comal	294513.18	980535.23	0.70	700.54	615.93	Transition Zone
6816801	2/12/2001	Comal	294712.36	980310.32	0.50	752.83	619.25	Saline Zone
6822807	2/16/2001	Comal	293919.79	981818.17	1.85	895.49	674.58	Transition Zone
6823202	2/13/2001	Comal	294241.66	981203.33	1.70	935.75	646.25	Recharge Zone
6823209	2/13/2001	Comal	294314.84	981044.39	0.83	862.03	625.24	Recharge Zone
6823210	2/14/2001	Comal	294252.26	981228.97	0.32	920.23	646.15	Recharge Zone
6823211	2/14/2001	Comal	294439.95	981017.86	1.32	783.32	631.76	Recharge Zone
6823302	2/13/2001	Comal	294248.87	980818.08	1.00	642.59	627.39	Recharge Zone
6823304	2/13/2001	Comal	294240.00	980818.00	0.36	626.17	640.10	Artesian Zone
6823306	2/14/2001	Comal	294446.34	980914.21	0.10	807.67	635.50	Recharge Zone
6823316	2/14/2001	Comal	294316.92	980852.46	1.06	806.52	620.50	Recharge Zone
6823621	2/13/2001	Comal	294140.03	980933.02	0.87	670.81	642.63	Recharge Zone
6823701	2/16/2001	Comal	293856.00	981259.18	0.72	684.73	655.27	Transition Zone
6823706*	2/16/2001	Comal	293753.49	981346.08	1.00	795.00	731.34	Transition Zone
6823807	2/13/2001	Comal	293958.91	981016.77	1.70	655.88	644.83	Artesian Zone
6824102	2/11/2001	Comal	294441.00	980626.56	2.95	640.88	620.55	Recharge Zone
6830208	2/13/2001	Comal	293636.78	981910.49	2.11	798.09	668.50	Artesian Zone
6830312	2/13/2001	Comal	293646.10	981702.10	0.90	773.18	657.42	Artesian Zone
6830315	2/9/2001	Comal	293632.40	981723.74	2.35	782.22	665.33	Artesian Zone
68241AA	2/13/2001	Comal	294452.19	980659.64	1.60	683.75	618.55	Recharge Zone
6830314*	2/9/2001	Guadalupe	293609.47	981526.05	2.17	871.01	663.61	Artesian Zone
6831403*	2/9/2001	Guadalupe	293423.01	981346.11	2.09	709.08	671.92	Saline Zone
6831511*	2/9/2001	Guadalupe	293245.49	981209.56	2.06	674.00	663.39	Saline Zone
6831808*	2/9/2001	Guadalupe	293057.55	981104.95	2.89	648.92	648.55	Saline Zone
5842819	2/12/2001	Hays	301539.62	974903.26	N/A	672.94	475.78	Artesian Zone
5850221	2/12/2001	Hays	301331.61	974822.28	N/A	675.60	481.39	Artesian Zone
5850417	2/12/2001	Hays	301142.54	975046.01	N/A	806.00	545.30	Artesian Zone
5850801	2/12/2001	Hays	300834.12	974838.72	N/A	662.08	608.78	Artesian Zone
5857602	2/12/2001	Hays	300427.18	975456.89	N/A	801.94	709.44	Recharge Zone
5857903	2/12/2001	Hays	300218.59	975310.20	N/A	824.02	639.70	Artesian Zone
5858101	2/12/2001	Hays	300500.89	975033.50	N/A	707.25	622.56	Artesian Zone
5858123	2/12/2001	Hays	300633.95	975030.23	N/A	700.89	616.34	Artesian Zone
6701303	2/15/2001	Hays	295923.14	975231.71	1.10	719.24	555.10	Transition Zone
6701311	2/9/2001	Hays	295853.15	975329.05	2.48	770.52	577.21	Transition Zone
6701701	2/14/2001	Hays	295342.03	975752.04	0.00	734.50	580.22	Transition Zone
6701809	2/12/2001	Hays	295442.91	975543.59	1.20	601.27	579.03	Recharge Zone
6701812*	2/12/2001	Hays	295325.71	975542.13	2.89	580.89	578.39	Saline Zone
6702104*	2/9/2001	Hays	295858.05	975217.51	2.61	674.32	569.29	Saline Zone
6702105*	2/9/2001	Hays	295729.88	975031.64	2.19	646.70	575.46	Saline Zone
6702106*	2/9/2001	Hays	295829.06	975125.61	2.17	678.28	577.08	Saline Zone
6709105	2/14/2001	Hays	295041.24	975903.06	2.50	692.23	582.84	Transition Zone
6709106	2/14/2001	Hays	295108.76	975913.76	1.32	699.66	582.80	Transition Zone
6709110	2/14/2001	Hays	295036.89	975856.09	1.88	678.88	582.82	Transition Zone
6709113	2/9/2001	Hays	295019.46	975926.65	1.69	704.73	583.73	Transition Zone
6709401	2/9/2001	Hays	294945.30	975744.51	2.37	642.51	591.66	Saline Zone
6808902	2/14/2001	Hays	295347.28	980010.42	2.83	783.77	591.64	Recharge Zone
6816603	2/15/2001	Hays	294945.22	980058.37	2.76	736.91	585.11	Artesian Zone
58499SP	2/12/2001	Hays	300849.60	975348.77	N/A	766.88	713.63	Artesian Zone
58501W2*	2/12/2001	Hays	301335.06	975029.27	N/A	738.94	591.55	Artesian Zone
58573GC	2/12/2001	Hays	300551.31	975312.66	N/A	824.50	628.10	Artesian Zone
58584CT	2/12/2001	Hays	300336.71	975206.49	N/A	735.17	645.36	Recharge Zone
67014AA	2/14/2001	Hays	295517.74	975755.59	0.90	724.88	589.42	Recharge Zone
67015AA	2/14/2001	Hays	295513.84	975655.73	0.89	698.59	584.31	Recharge Zone
67017AA	2/12/2001	Hays	295410.80	975835.57	1.10	800.13	585.69	Recharge Zone
67017BB	2/14/2001	Hays	295430.94	975817.54	0.77	767.83	593.51	Recharge Zone
6701813A	2/12/2001	Hays	295328.06	975545.76	3.10	581.12	577.04	Saline Zone
6701813B	2/12/2001	Hays	295328.06	975545.76	3.08	581.12	577.00	Saline Zone
6701814A	2/13/2001	Hays	295330.58	975551.08	6.40	575.54	575.69	Saline Zone
6701814B	2/13/2001	Hays	295330.58	975551.08	6.40	575.54	575.83	Saline Zone
67018BB	2/12/2001	Hays	295339.97	975546.02	1.16	585.03	576.83	Transition Zone
67018CC	2/12/2001	Hays	295337.00	975555.37	2.12	632.70	577.01	Transition Zone
67018DD	2/12/2001	Hays	295313.83	975658.65	1.00	750.96	577.69	Transition Zone
67018EE	2/13/2001	Hays	295429.40	975509.52	2.05	609.92	579.05	Transition Zone
67018FF	2/12/2001	Hays	295409.70	975518.22	2.45	589.37	579.16	Recharge Zone
67019AA	2/15/2001	Hays	295450.35	975458.55	2.79	649.70	579.74	Transition Zone
67091AA	2/14/2001	Hays	295131.73	975934.12	0.41	748.41	579.04	Recharge Zone

Table A-6. Water levels collected during the February 9 through February 16, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
67091BB	2/13/2001	Hays	295203.48	975807.78	0.55	646.44	569.52	Recharge Zone
7038902*	2/13/2001	Kinney	292448.97	1001540.40	2.10	1,378.94	1,196.90	Recharge Zone
6826802	2/12/2001	Medina	293040.74	984829.98	1.20	1,006.17	796.34	Artesian Zone
6833604	2/12/2001	Medina	292519.87	985319.51	0.90	847.95	716.90	Artesian Zone
6834506	2/15/2001	Medina	292552.74	984846.64	0.85	1,043.46	707.34	Artesian Zone
6841301	2/12/2001	Medina	292118.16	985248.37	1.64	759.76	708.92	Artesian Zone
6842106	2/13/2001	Medina	292116.90	985114.72	1.00	774.98	711.02	Artesian Zone
6842112*	2/12/2001	Medina	292044.76	985056.68	2.90	762.60	684.49	Artesian Zone
6842502	2/12/2001	Medina	291838.01	984921.79	1.25	728.85	703.75	Artesian Zone
6937301	2/12/2001	Medina	292800.02	992302.84	1.73	1,166.22	845.46	Artesian Zone
6938601	2/12/2001	Medina	292618.74	991700.46	1.34	1,007.82	859.49	Artesian Zone
6938902	2/12/2001	Medina	292244.68	991636.63	0.78	942.32	769.20	Recharge Zone
6938906	2/12/2001	Medina	292319.18	991552.29	1.47	950.41	772.43	Artesian Zone
6939504	2/14/2001	Medina	292703.58	991141.60	1.65	1,021.14	858.81	Artesian Zone
6939801	2/14/2001	Medina	292318.83	991110.10	0.70	955.76	761.30	Recharge Zone
6939901	2/14/2001	Medina	292304.27	990914.08	1.13	932.48	755.68	Artesian Zone
6940101	2/14/2001	Medina	292935.75	990729.40	0.61	1,023.22	865.79	Artesian Zone
6940102	2/14/2001	Medina	292740.12	990701.62	2.50	966.60	827.47	Recharge Zone
6940404	2/14/2001	Medina	292602.19	990718.34	1.15	935.18	780.08	Recharge Zone
6940901	2/14/2001	Medina	292433.94	990002.76	0.71	878.23	724.87	Artesian Zone
6946601	2/12/2001	Medina	291956.09	991644.17	0.89	884.40	765.51	Artesian Zone
6946602	2/12/2001	Medina	291900.58	991538.20	0.50	908.32	763.94	Artesian Zone
6947301	2/12/2001	Medina	292136.57	990937.05	0.92	915.82	732.64	Artesian Zone
6947306	2/12/2001	Medina	292046.75	990820.20	0.80	886.68	726.65	Artesian Zone
6947502	2/13/2001	Medina	291853.00	991031.91	0.56	872.00	732.77	Artesian Zone
6947503	2/12/2001	Medina	291931.35	991227.60	0.86	884.78	735.74	Artesian Zone
6947602	2/13/2001	Medina	291918.00	990918.45	1.15	862.24	731.60	Artesian Zone
6947603	2/13/2001	Medina	291826.86	990858.49	1.60	844.01	731.29	Artesian Zone
6948102	2/12/2001	Medina	292104.10	990512.20	0.65	867.03	725.49	Artesian Zone
6948303	2/13/2001	Medina	292125.12	990051.43	2.55	1,007.08	714.87	Artesian Zone
6956501	2/13/2001	Medina	291027.05	990303.59	2.13	714.70	732.98	Artesian Zone
6956507	2/13/2001	Medina	291018.32	990317.78	1.30	712.77	734.83	Artesian Zone
6963103	2/13/2001	Medina	290639.91	991312.10	4.83	661.18	749.06	Artesian Zone
68339AA	2/12/2001	Medina	292216.49	985351.81	0.85	773.89	712.63	Artesian Zone
68415AA	2/13/2001	Medina	291839.74	985539.90	5.00	951.35	712.76	Artesian Zone
68416AA	2/14/2001	Medina	291942.04	985324.31	3.50	965.61	708.69	Artesian Zone
68419AA	2/14/2001	Medina	291639.82	985244.39	1.00	855.56	708.90	Artesian Zone
68422AA	2/12/2001	Medina	292213.28	984842.01	0.80	777.53	703.50	Artesian Zone
69396AA	2/14/2001	Medina	292606.12	990858.76	1.00	999.31	791.31	Recharge Zone
6946702-B	2/13/2001	Medina	291546.50	992122.73	2.00	949.73	769.04	Artesian Zone
69472AA	2/12/2001	Medina	292053.25	991158.62	2.63	909.27	737.94	Artesian Zone
69475AA	2/13/2001	Medina	291814.47	991054.76	0.74	860.15	731.88	Artesian Zone
69489AA	2/13/2001	Medina	291554.58	990220.56	1.10	794.98	741.48	Artesian Zone
6935401*	2/14/2001	Uvalde	292630.68	994456.96	1.00	1,289.97	1,173.34	Recharge Zone
6935602*	2/14/2001	Uvalde	292645.21	993955.12	0.50	1,149.72	1,093.36	Recharge Zone
6935804*	2/14/2001	Uvalde	292340.20	994207.76	0.00	1,153.44	1,023.53	Recharge Zone
6936402	2/14/2001	Uvalde	292508.17	993634.36	2.60	1,096.34	791.36	Artesian Zone
6936601	2/14/2001	Uvalde	292532.31	993058.54	0.07	1,072.36	803.65	Artesian Zone
6937402	2/12/2001	Uvalde	292711.88	992823.47	2.00	1,153.22	797.05	Artesian Zone
6942709	2/12/2001	Uvalde	291625.04	995146.26	1.80	1,005.63	900.58	Artesian Zone
6943409	2/14/2001	Uvalde	291926.07	994249.71	1.70	1,056.46	874.13	Artesian Zone
6943606*	2/15/2001	Uvalde	291840.29	993828.91	0.90	1,000.09	736.99	Artesian Zone
6943607	2/13/2001	Uvalde	291935.42	993819.05	2.00	1,009.65	791.01	Artesian Zone
6944108	2/15/2001	Uvalde	292204.37	993621.36	2.50	1,040.63	788.82	Artesian Zone
6944301	2/14/2001	Uvalde	292110.57	993048.07	1.15	1,001.93	778.62	Artesian Zone
6944402	2/15/2001	Uvalde	291948.42	993536.78	1.00	997.37	790.87	Artesian Zone
6944703	2/12/2001	Uvalde	291526.72	993510.46	1.38	934.41	781.92	Artesian Zone
6944804	2/12/2001	Uvalde	291726.32	993421.98	1.50	952.67	787.31	Artesian Zone
6944902	2/12/2001	Uvalde	291611.24	993018.97	2.48	899.91	774.36	Artesian Zone
6945401	2/14/2001	Uvalde	291909.99	992811.63	0.70	953.79	775.00	Artesian Zone
6950302	2/12/2001	Uvalde	291231.48	994703.73	2.40	904.90	875.23	Artesian Zone
6951401	2/13/2001	Uvalde	291027.83	994403.39	1.36	891.30	851.04	Saline Zone
6951602	2/13/2001	Uvalde	291032.62	993937.83	0.90	863.36	837.53	Saline Zone
6951606	2/12/2001	Uvalde	291135.05	993756.38	2.08	877.55	779.16	Saline Zone
6952202	2/12/2001	Uvalde	291442.62	993258.49	2.76	874.02	774.11	Artesian Zone
6952403	2/13/2001	Uvalde	291156.01	993700.85	0.00	875.11	779.36	Saline Zone
6952404	2/12/2001	Uvalde	291132.99	993637.63	2.77	867.02	780.53	Saline Zone

Table A-6. Water levels collected during the February 9 through February 16, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6953701	2/12/2001	Uvalde	290849.98	992841.32	1.80	748.03	782.63	Artesian Zone
7040901*	2/12/2001	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.27	Recharge Zone
69369AA	2/14/2001	Uvalde	292249.34	992939.57	0.82	1,028.59	783.24	Artesian Zone
69433AA	2/15/2001	Uvalde	292039.89	993844.87	1.00	1,037.95	794.31	Artesian Zone
69438AA	2/13/2001	Uvalde	291716.98	994158.31	0.91	976.58	858.72	Artesian Zone
69439AA	2/12/2001	Uvalde	291558.33	993811.03	0.56	947.76	881.06	Artesian Zone
69493AA	2/13/2001	Uvalde	291438.97	995235.57	0.30	968.16	898.58	Artesian Zone
69502AA	2/13/2001	Uvalde	291237.94	994907.37	0.83	913.08	877.23	Artesian Zone
69502BB	2/13/2001	Uvalde	291429.99	994901.47	0.39	931.63	882.89	Artesian Zone
69502CC	2/13/2001	Uvalde	291234.50	994834.37	2.65	910.31	876.38	Artesian Zone
69502DD	2/13/2001	Uvalde	291412.88	994938.83	0.00	941.30	884.11	Artesian Zone
69503AA	2/13/2001	Uvalde	291444.86	994726.72	0.55	956.79	878.95	Artesian Zone
69503BB	2/13/2001	Uvalde	291448.95	994524.53	0.70	964.16	869.31	Artesian Zone
69503CC	2/14/2001	Uvalde	291300.13	994519.22	0.80	930.35	876.98	Artesian Zone
69505AA	2/14/2001	Uvalde	291127.50	994955.14	6.25	910.75	872.30	Artesian Zone
69505BB	2/13/2001	Uvalde	291137.84	994735.74	1.00	901.20	868.60	Artesian Zone
69506AA	2/12/2001	Uvalde	291135.50	994634.34	0.37	897.12	870.26	Artesian Zone
69511AA	2/13/2001	Uvalde	291429.78	994432.83	1.00	965.57	875.89	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-7. Water levels collected during the July 23 through July 27, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	7/24/2001	Atascosa	291348.94	984755.96	1.00	711.86	657.30	Artesian Zone
6821802	7/24/2001	Bexar	293747.87	982728.33	1.58	989.71	728.57	Recharge Zone
6821806	7/23/2001	Bexar	293745.73	982654.56	2.38	950.66	723.27	Recharge Zone
6827307	7/23/2001	Bexar	293507.78	983750.92	1.10	990.74	806.17	Recharge Zone
6827401	7/24/2001	Bexar	293310.23	984440.12	2.45	1,031.45	784.88	Recharge Zone
6827517	7/23/2001	Bexar	293358.60	984054.19	2.05	997.39	778.03	Recharge Zone
6827609	7/23/2001	Bexar	293404.55	983941.82	-0.33	960.54	763.99	Recharge Zone
6827610	7/23/2001	Bexar	293251.78	983808.31	2.11	902.05	735.03	Recharge Zone
6827611	7/23/2001	Bexar	293429.12	983738.55	-0.23	964.16	763.03	Recharge Zone
6827612	7/23/2001	Bexar	293403.40	983820.23	2.83	957.84	757.14	Recharge Zone
6828113	7/23/2001	Bexar	293516.48	983627.53	-0.45	1,022.33	799.00	Recharge Zone
6828210	7/23/2001	Bexar	293530.42	983433.97	-0.37	984.27	780.35	Recharge Zone
6828211	7/23/2001	Bexar	293516.12	983254.88	2.65	974.30	740.48	Recharge Zone
6828314	7/23/2001	Bexar	293534.92	983040.73	1.40	900.53	719.07	Recharge Zone
6828315	7/23/2001	Bexar	293611.27	983118.89	-0.17	946.75	719.14	Recharge Zone
6828406	7/23/2001	Bexar	293349.54	983558.21	0.80	978.72	736.29	Recharge Zone
6828407	7/23/2001	Bexar	293424.74	983508.18	-0.22	1,000.03	721.37	Recharge Zone
6828512	7/24/2001	Bexar	293425.39	983430.47	1.41	951.16	767.25	Recharge Zone
6828516	7/23/2001	Bexar	293339.23	983447.08	1.46	947.65	744.90	Recharge Zone
6828518	7/23/2001	Bexar	293438.48	983241.66	2.45	926.61	720.40	Recharge Zone
6828519	7/23/2001	Bexar	293408.41	983312.86	-0.30	926.84	713.48	Recharge Zone
6828608	7/23/2001	Bexar	293456.85	983048.92	1.90	858.08	687.28	Recharge Zone
6828609	7/23/2001	Bexar	293458.65	983213.64	-0.30	926.25	718.46	Recharge Zone
6828909	7/27/2001	Bexar	293026.00	983132.00	1.50	783.03	659.10	Artesian Zone
6828920	7/23/2001	Bexar	293230.20	983038.66	0.75	924.96	667.23	Artesian Zone
6828921	7/27/2001	Bexar	293015.00	983222.00	1.10	823.44	660.89	Artesian Zone
6829103	7/23/2001	Bexar	293522.52	982916.82	0.61	952.51	702.60	Recharge Zone
6829112	7/23/2001	Bexar	293558.82	982848.38	2.38	889.00	711.87	Recharge Zone
6829113	7/23/2001	Bexar	293534.14	982828.20	1.52	885.91	714.88	Recharge Zone
6829114	7/23/2001	Bexar	293528.38	982743.41	-0.30	852.60	717.02	Recharge Zone
6829213	7/23/2001	Bexar	293504.46	982708.79	1.30	851.86	692.01	Recharge Zone
6829214	7/23/2001	Bexar	293519.61	982541.04	-0.40	809.91	689.16	Recharge Zone
6829215	7/23/2001	Bexar	293537.05	982623.96	2.10	827.00	702.65	Recharge Zone
6829216	7/23/2001	Bexar	293642.71	982639.92	-0.40	923.70	720.68	Recharge Zone
6829217	7/23/2001	Bexar	293614.86	982623.39	-0.40	919.90	719.24	Recharge Zone
6829418	7/23/2001	Bexar	293455.95	982802.28	2.26	828.15	706.66	Recharge Zone
6829506	7/23/2001	Bexar	293428.56	982620.57	1.35	788.00	666.25	Recharge Zone
6829605*	7/23/2001	Bexar	293300.14	982313.51	-2.20	808.08	669.90	Artesian Zone
6829611	7/27/2001	Bexar	293358.00	982307.00	2.80	829.80	654.17	Artesian Zone
6835106	7/26/2001	Bexar	292855.00	984250.00	1.20	959.51	680.23	Artesian Zone
6835202	7/26/2001	Bexar	292920.09	984126.72	1.40	848.57	682.00	Artesian Zone
6836104*	7/26/2001	Bexar	292925.00	983601.00	N/A	885.30	643.08	Artesian Zone
6836130	7/26/2001	Bexar	292920.00	983606.00	N/A	903.10	665.05	Artesian Zone
6836206	7/26/2001	Bexar	292821.00	983253.00	4.20	756.23	663.03	Artesian Zone
6836502	7/26/2001	Bexar	292618.00	983353.00	3.70	685.46	663.80	Artesian Zone
6836901	7/26/2001	Bexar	292449.30	983056.77	3.21	637.24	666.12	Artesian Zone
6837103	7/27/2001	Bexar	292950.00	982913.00	1.00	729.53	658.21	Artesian Zone
6837203	7/23/2001	Bexar	292844.86	982557.39	0.30	730.81	658.38	Artesian Zone
6837304	7/25/2001	Bexar	292808.33	982301.84	2.30	702.68	659.21	Artesian Zone
6837521	7/27/2001	Bexar	292505.56	982539.63	3.70	620.00	654.34	Saline Zone
6837522	7/27/2001	Bexar	292506.39	982540.27	3.70	620.00	657.19	Saline Zone
6837523	7/27/2001	Bexar	292505.99	982539.96	3.60	620.00	654.56	Saline Zone
6837524	7/27/2001	Bexar	292544.35	982640.13	4.10	626.00	658.82	Artesian Zone
6837525	7/27/2001	Bexar	292545.31	982600.94	5.00	624.00	655.61	Artesian Zone
6837526	7/27/2001	Bexar	292555.73	982607.33	2.90	642.00	652.99	Artesian Zone
6837527	7/27/2001	Bexar	292556.75	982607.36	3.40	641.00	654.62	Artesian Zone
6837606	7/24/2001	Bexar	292646.43	982440.21	0.90	677.68	658.99	Artesian Zone
6843402	7/26/2001	Bexar	291848.97	984251.53	1.42	698.44	664.38	Artesian Zone
6843606	7/26/2001	Bexar	291910.97	983912.00	1.83	619.96	668.58	Artesian Zone
68285AA*	7/24/2001	Bexar	293315.17	983348.73	1.50	886.78	608.76	Recharge Zone
68293AA	7/24/2001	Bexar	293606.23	982303.67	1.70	967.68	669.50	Artesian Zone
68299BB	7/24/2001	Bexar	293107.56	982444.35	0.50	724.78	655.48	Artesian Zone
68302AA	7/25/2001	Bexar	293554.88	981912.77	1.09	780.74	650.40	Artesian Zone
68302BB	7/25/2001	Bexar	293555.87	981906.51	1.25	763.50	652.08	Artesian Zone
68302CC	7/25/2001	Bexar	293528.90	981949.80	1.00	783.84	651.05	Artesian Zone
68307AA	7/25/2001	Bexar	293104.54	982228.99	1.05	819.10	654.27	Artesian Zone
68377AA	7/27/2001	Bexar	292439.52	982949.32	-2.70	610.00	634.47	Artesian Zone

Table A-7. Water levels collected during the July 23 through July 27, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
68431AA	7/26/2001	Bexar	292157.44	984413.94	1.00	717.01	674.46	Artesian Zone
68437AA	7/26/2001	Bexar	291711.08	984331.52	3.10	639.33	652.47	Artesian Zone
6815803	7/25/2001	Comal	294609.50	981144.15	1.20	954.97	690.67	Recharge Zone
6815807	7/25/2001	Comal	294517.86	981225.45	0.95	983.77	703.07	Recharge Zone
6815809	7/25/2001	Comal	294615.40	981035.31	0.35	908.39	676.74	Recharge Zone
6815903	7/25/2001	Comal	294527.39	980828.28	0.00	676.86	634.16	Recharge Zone
6815907	7/25/2001	Comal	294516.81	980822.39	1.60	706.48	629.23	Recharge Zone
6815912	7/25/2001	Comal	294516.23	980827.60	1.20	693.79	629.39	Recharge Zone
6816602	7/25/2001	Comal	294738.93	980127.10	0.20	608.05	601.15	Saline Zone
6816701	7/25/2001	Comal	294526.19	980617.24	2.00	711.57	617.07	Transition Zone
6816703	7/25/2001	Comal	294513.18	980535.23	0.70	700.54	612.04	Transition Zone
6816801	7/25/2001	Comal	294712.36	980310.32	0.50	752.83	612.23	Saline Zone
6816803	7/25/2001	Comal	294611.70	980426.77	1.50	725.39	611.49	Transition Zone
6822602	7/27/2001	Comal	294039.12	981725.35	0.65	913.89	651.67	Recharge Zone
6822604	7/27/2001	Comal	294152.92	981531.53	1.26	911.73	659.41	Recharge Zone
6822810	7/27/2001	Comal	293936.98	981825.52	1.30	889.43	663.81	Transition Zone
6822911	7/27/2001	Comal	293745.77	981620.67	1.00	770.49	657.23	Transition Zone
6823104	7/25/2001	Comal	294440.35	981327.28	0.95	996.38	692.17	Recharge Zone
6823105	7/25/2001	Comal	294253.78	981323.66	1.57	984.88	635.64	Recharge Zone
6823208	7/25/2001	Comal	294405.65	981140.01	0.25	887.63	639.17	Recharge Zone
6823210	7/25/2001	Comal	294252.26	981228.97	0.32	920.23	649.15	Recharge Zone
6823302	7/26/2001	Comal	294248.87	980818.08	1.00	642.59	625.39	Recharge Zone
6823304	7/26/2001	Comal	294240.00	980818.00	0.36	626.17	633.80	Artesian Zone
6823306	7/25/2001	Comal	294446.34	980914.21	0.10	807.67	627.68	Recharge Zone
6823309	7/25/2001	Comal	294307.20	980806.87	0.00	736.21	623.32	Recharge Zone
6823319	7/25/2001	Comal	294315.63	980739.64	1.50	627.63	621.83	Recharge Zone
6823502	7/26/2001	Comal	294056.25	981036.24	1.65	679.52	637.88	Recharge Zone
6823504	7/26/2001	Comal	294016.88	981147.10	3.40	706.18	640.49	Recharge Zone
6823621	7/26/2001	Comal	294140.03	980933.02	0.87	670.81	636.02	Recharge Zone
6823709*	7/26/2001	Comal	293825.55	981359.22	0.45	714.11	667.86	Artesian Zone
6823807	7/26/2001	Comal	293958.91	981016.77	1.70	655.88	638.98	Artesian Zone
6830208	7/26/2001	Comal	293636.78	981910.49	2.11	798.09	652.89	Artesian Zone
6830226	7/27/2001	Comal	293654.49	981901.74	1.58	827.31	646.51	Artesian Zone
6830312	7/27/2001	Comal	293646.10	981702.10	0.90	773.18	647.89	Artesian Zone
6830315	7/23/2001	Comal	293632.40	981723.74	2.35	782.22	651.10	Artesian Zone
6823616A	7/27/2001	Comal	294215.64	980759.07	2.40	635.42	633.11	Saline Zone
6823619B	7/27/2001	Comal	294226.60	980810.51	2.30	634.41	633.91	Artesian Zone
6830314	7/23/2001	Guadalupe	293609.47	981526.05	2.17	871.01	654.30	Artesian Zone
6831403*	7/23/2001	Guadalupe	293423.01	981346.11	2.09	709.08	659.76	Saline Zone
6831511*	7/23/2001	Guadalupe	293245.49	981209.56	2.06	674.00	655.16	Saline Zone
6831808*	7/23/2001	Guadalupe	293057.55	981104.95	2.89	648.92	648.49	Saline Zone
5842819	7/23/2001	Hays	301539.62	974903.26	N/A	672.94	455.39	Artesian Zone
5850221	7/23/2001	Hays	301331.61	974822.28	N/A	675.60	478.11	Artesian Zone
5850301	7/23/2001	Hays	301237.25	974653.70	N/A	652.21	515.09	Artesian Zone
5850417	7/23/2001	Hays	301142.54	975046.01	N/A	806.00	543.18	Artesian Zone
5850801	7/23/2001	Hays	300834.12	974838.72	N/A	662.08	551.53	Artesian Zone
5857602	7/23/2001	Hays	300427.18	975456.89	N/A	801.94	685.36	Recharge Zone
5857903	7/23/2001	Hays	300218.59	975310.20	N/A	824.02	633.92	Artesian Zone
5858101	7/23/2001	Hays	300500.89	975033.50	N/A	707.25	592.83	Artesian Zone
5858123	7/23/2001	Hays	300633.95	975030.23	N/A	700.89	595.69	Artesian Zone
6701303	7/23/2001	Hays	295923.14	975231.71	1.10	719.24	533.50	Transition Zone
6701311	7/23/2001	Hays	295853.15	975329.05	2.48	770.52	561.47	Transition Zone
6701701	7/26/2001	Hays	295342.03	975752.04	0.00	734.50	578.00	Transition Zone
6701809	7/23/2001	Hays	295442.91	975543.59	1.20	601.27	577.33	Recharge Zone
6702104	7/23/2001	Hays	295858.05	975217.51	2.61	674.32	564.19	Saline Zone
6702105	7/23/2001	Hays	295729.88	975031.64	2.19	646.70	579.09	Saline Zone
6702106	7/23/2001	Hays	295829.06	975125.61	2.17	678.28	580.85	Saline Zone
6709105	7/24/2001	Hays	295041.24	975903.06	2.50	692.23	582.43	Transition Zone
6709106	7/24/2001	Hays	295108.76	975913.76	1.32	699.66	580.61	Transition Zone
6709110	7/25/2001	Hays	295036.89	975856.09	1.88	678.88	580.47	Transition Zone
6709113	7/23/2001	Hays	295019.46	975926.65	1.69	704.73	581.47	Transition Zone
6709401	7/23/2001	Hays	294945.30	975744.51	2.37	642.51	592.09	Saline Zone
6808902	7/27/2001	Hays	295347.28	980010.42	2.83	783.77	586.75	Recharge Zone
6816603	7/25/2001	Hays	294945.22	980058.37	2.76	736.91	582.88	Recharge Zone
58499SP	7/23/2001	Hays	300849.60	975348.77	N/A	766.88	711.68	Artesian Zone
58501W2*	7/23/2001	Hays	301335.06	975029.27	N/A	738.94	587.64	Artesian Zone
58573GC	7/23/2001	Hays	300551.31	975312.66	N/A	824.50	623.03	Artesian Zone

Table A-7. Water levels collected during the July 23 through July 27, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
58584CT	7/23/2001	Hays	300336.71	975206.49	N/A	735.17	632.11	Recharge Zone
67014AA	7/27/2001	Hays	295517.74	975755.59	0.90	724.88	582.82	Recharge Zone
67015AA	7/25/2001	Hays	295513.84	975655.73	0.89	698.59	580.70	Recharge Zone
67017AA	7/27/2001	Hays	295410.80	975835.57	1.10	800.13	581.98	Recharge Zone
67017BB	7/26/2001	Hays	295430.94	975817.54	0.77	767.83	585.56	Recharge Zone
6701813A	7/23/2001	Hays	295328.06	975545.76	3.10	581.12	576.42	Saline Zone
6701814A	7/23/2001	Hays	295330.58	975551.08	6.40	575.54	575.19	Saline Zone
67018BB	7/25/2001	Hays	295339.97	975546.02	1.16	585.03	576.09	Transition Zone
67018CC	7/25/2001	Hays	295337.00	975555.37	2.12	632.70	576.26	Transition Zone
67018DD	7/25/2001	Hays	295313.83	975658.65	1.00	750.96	576.51	Transition Zone
67018FF	7/23/2001	Hays	295409.70	975518.22	2.45	589.37	577.53	Recharge Zone
67019AA	7/24/2001	Hays	295450.35	975458.55	2.79	649.70	578.05	Transition Zone
67091AA	7/26/2001	Hays	295131.73	975934.12	0.41	748.41	579.79	Recharge Zone
67091BB	7/26/2001	Hays	295203.48	975807.78	0.55	646.44	578.79	Recharge Zone
67091CC	7/24/2001	Hays	295011.55	975938.17	4.75	732.90	580.55	Transition Zone
7038902*	7/23/2001	Kinney	292448.97	1001540.40	2.10	1,378.94	1,196.64	Recharge Zone
6826802	7/24/2001	Medina	293040.74	984829.98	1.20	1,006.17	757.65	Artesian Zone
6833604	7/23/2001	Medina	292519.87	985319.51	0.90	847.95	694.76	Artesian Zone
6834506	7/23/2001	Medina	292552.74	984846.64	0.85	1,043.46	684.61	Artesian Zone
6841301	7/23/2001	Medina	292118.16	985248.37	1.64	759.76	688.41	Artesian Zone
6842106	7/23/2001	Medina	292116.90	985114.72	1.00	774.98	686.12	Artesian Zone
6842112	7/24/2001	Medina	292044.76	985056.68	2.90	762.60	690.88	Artesian Zone
6842502	7/24/2001	Medina	291838.01	984921.79	1.25	728.85	680.61	Artesian Zone
6938601	7/23/2001	Medina	292618.74	991700.46	1.34	1,007.82	869.21	Artesian Zone
6938902	7/23/2001	Medina	292244.68	991636.63	0.78	942.32	756.10	Recharge Zone
6938906	7/23/2001	Medina	292319.18	991552.29	1.47	950.41	765.34	Artesian Zone
6939504	7/25/2001	Medina	292703.58	991141.60	1.65	1,021.14	863.03	Artesian Zone
6939801	7/25/2001	Medina	292318.83	991110.10	0.70	955.76	745.87	Recharge Zone
6939901	7/25/2001	Medina	292304.27	990914.08	1.13	932.48	739.02	Artesian Zone
6940101	7/25/2001	Medina	292935.75	990729.40	0.61	1,023.22	869.72	Artesian Zone
6940102	7/25/2001	Medina	292740.12	990701.62	2.50	966.60	830.65	Recharge Zone
6940202	7/23/2001	Medina	292801.71	990426.21	1.05	997.69	823.88	Recharge Zone
6940901	7/23/2001	Medina	292433.94	990002.76	0.71	878.23	704.67	Recharge Zone
6946601	7/23/2001	Medina	291956.09	991644.17	0.89	884.40	751.41	Artesian Zone
6946602	7/23/2001	Medina	291900.58	991538.20	0.50	908.32	749.69	Artesian Zone
6947301	7/25/2001	Medina	292136.57	990937.05	0.92	915.82	707.29	Artesian Zone
6947306	7/23/2001	Medina	292046.75	990820.20	0.80	886.68	706.88	Artesian Zone
6947502	7/24/2001	Medina	291853.00	991031.91	0.56	872.00	712.79	Artesian Zone
6947503	7/23/2001	Medina	291931.35	991227.60	0.86	884.78	716.96	Artesian Zone
6947602	7/24/2001	Medina	291918.00	990918.45	1.15	862.24	711.62	Artesian Zone
6947603	7/24/2001	Medina	291826.86	990858.49	1.60	844.01	711.36	Artesian Zone
6948102	7/23/2001	Medina	292104.10	990512.20	0.65	867.03	705.94	Artesian Zone
6948303	7/23/2001	Medina	292125.12	990051.43	2.55	1,007.08	690.15	Artesian Zone
6956501	7/24/2001	Medina	291027.05	990303.59	2.13	714.70	719.22	Artesian Zone
6956507	7/24/2001	Medina	291018.32	990317.78	1.30	712.77	720.60	Artesian Zone
6963103	7/24/2001	Medina	290639.91	991312.10	4.83	661.18	745.60	Artesian Zone
68339AA	7/23/2001	Medina	292216.49	985351.81	0.85	773.89	691.60	Artesian Zone
68415AA	7/24/2001	Medina	291839.74	985539.90	5.00	951.35	690.02	Artesian Zone
68416AA	7/24/2001	Medina	291942.04	985324.31	3.50	965.61	685.45	Artesian Zone
68422AA	7/24/2001	Medina	292213.28	984842.01	0.80	777.53	680.40	Artesian Zone
69396AA	7/25/2001	Medina	292606.12	990858.76	1.00	999.31	792.37	Recharge Zone
6946702-B	7/24/2001	Medina	291546.50	992122.73	2.00	949.73	753.87	Artesian Zone
69472AA	7/25/2001	Medina	292053.25	991158.62	2.63	909.27	719.25	Artesian Zone
69475AA	7/24/2001	Medina	291814.47	991054.76	0.74	860.15	711.90	Artesian Zone
69489AA*	7/24/2001	Medina	291554.58	990220.56	1.10	794.98	723.29	Artesian Zone
6935401*	7/24/2001	Uvalde	292630.68	994456.96	1.00	1,289.97	1,167.56	Recharge Zone
6935602*	7/24/2001	Uvalde	292645.21	993955.12	0.50	1,149.72	1,089.09	Recharge Zone
6935804*	7/24/2001	Uvalde	292340.20	994207.76	0.00	1,153.44	1,023.75	Recharge Zone
6936402	7/24/2001	Uvalde	292508.17	993634.36	2.60	1,096.34	796.21	Artesian Zone
6936601	7/23/2001	Uvalde	292532.31	993058.54	0.07	1,072.36	808.76	Artesian Zone
6937402	7/23/2001	Uvalde	292711.88	992823.47	2.00	1,153.22	820.48	Artesian Zone
6942709	7/24/2001	Uvalde	291625.04	995146.26	1.80	1,005.63	899.50	Artesian Zone
6943409	7/24/2001	Uvalde	291926.07	994249.71	1.70	1,056.46	872.55	Artesian Zone
6943607	7/24/2001	Uvalde	291935.42	993819.05	2.00	1,009.65	784.50	Artesian Zone
6943903	7/25/2001	Uvalde	291559.24	993856.72	1.25	954.83	859.96	Artesian Zone
6944108	7/24/2001	Uvalde	292204.37	993621.36	2.50	1,040.63	783.27	Artesian Zone
6944301	7/23/2001	Uvalde	292110.57	993048.07	1.15	1,001.93	767.78	Artesian Zone

Table A-7. Water levels collected during the July 23 through July 27, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6944703*	7/25/2001	Uvalde	291526.72	993510.46	1.10	934.41	729.64	Artesian Zone
6944804	7/25/2001	Uvalde	291726.32	993421.98	1.50	952.67	757.24	Artesian Zone
6944902*	7/23/2001	Uvalde	291611.24	993018.97	2.48	899.91	785.22	Artesian Zone
6945401	7/25/2001	Uvalde	291909.99	992811.63	0.70	953.79	759.90	Artesian Zone
6950302	7/25/2001	Uvalde	291231.48	994703.73	2.40	904.90	873.15	Artesian Zone
6951602	7/25/2001	Uvalde	291032.62	993937.83	0.90	863.36	834.04	Saline Zone
6952202	7/23/2001	Uvalde	291442.62	993258.49	2.76	874.02	759.21	Artesian Zone
6952403	7/25/2001	Uvalde	291156.01	993700.85	0.00	875.11	762.03	Saline Zone
7040901*	7/24/2001	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,091.87	Recharge Zone
69369AA	7/23/2001	Uvalde	292249.34	992939.57	0.82	1,028.59	767.75	Artesian Zone
69438AA	7/24/2001	Uvalde	291716.98	994158.31	0.91	976.58	879.35	Artesian Zone
69439AA	7/25/2001	Uvalde	291558.33	993811.03	0.56	947.76	851.40	Artesian Zone
69502AA	7/24/2001	Uvalde	291237.94	994907.37	0.83	913.08	875.43	Artesian Zone
69502BB	7/25/2001	Uvalde	291429.99	994901.47	0.39	931.63	881.02	Artesian Zone
69502CC	7/24/2001	Uvalde	291234.50	994834.37	2.65	910.31	874.66	Artesian Zone
69502DD	7/24/2001	Uvalde	291412.88	994938.83	0.00	941.30	882.40	Artesian Zone
69503AA	7/24/2001	Uvalde	291444.86	994726.72	0.55	956.79	877.04	Artesian Zone
69505AA	7/24/2001	Uvalde	291127.50	994955.14	6.25	910.75	870.39	Artesian Zone
69505BB	7/25/2001	Uvalde	291137.84	994735.74	1.00	901.20	871.75	Artesian Zone
69506AA	7/25/2001	Uvalde	291135.50	994634.34	0.37	897.12	868.62	Artesian Zone
69511AA	7/24/2001	Uvalde	291429.78	994432.83	1.00	965.57	873.27	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-8. Water levels collected during the October 29 through November 2, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	10/30/2001	Atascosa	291348.94	984755.96	1.00	711.86	673.93	Artesian Zone
6821802	10/29/2001	Bexar	293747.87	982728.33	1.58	989.71	729.66	Recharge Zone
6821806	10/29/2001	Bexar	293745.73	982654.56	2.38	950.66	732.94	Recharge Zone
6827401*	10/29/2001	Bexar	293310.23	984440.12	2.45	1,031.45	798.17	Recharge Zone
6827517	10/29/2001	Bexar	293358.60	984054.19	2.05	997.39	774.85	Recharge Zone
6827609	10/29/2001	Bexar	293404.55	983941.82	-0.33	960.54	767.70	Recharge Zone
6827611	10/29/2001	Bexar	293429.12	983738.55	-0.23	964.16	773.73	Recharge Zone
6827612	10/29/2001	Bexar	293403.40	983820.23	2.83	957.84	761.85	Recharge Zone
6828113	10/29/2001	Bexar	293516.48	983627.53	-0.45	1,022.33	803.91	Recharge Zone
6828210	10/29/2001	Bexar	293530.42	983433.97	-0.37	984.27	805.70	Recharge Zone
6828211	10/29/2001	Bexar	293516.12	983254.88	2.65	974.30	754.58	Recharge Zone
6828313	11/1/2001	Bexar	293635.42	983021.73	2.50	948.81	743.05	Recharge Zone
6828314	10/29/2001	Bexar	293534.92	983040.73	1.40	900.53	732.08	Recharge Zone
6828315	10/29/2001	Bexar	293611.27	983118.89	-0.17	946.75	745.43	Recharge Zone
6828406	10/29/2001	Bexar	293349.54	983558.21	0.80	978.72	737.41	Recharge Zone
6828407	10/29/2001	Bexar	293424.74	983508.18	-0.22	1,000.03	750.42	Recharge Zone
6828512	10/29/2001	Bexar	293425.39	983430.47	1.41	951.16	767.46	Recharge Zone
6828515	10/29/2001	Bexar	293347.72	983340.89	1.71	975.69	720.95	Recharge Zone
6828516	10/29/2001	Bexar	293339.23	983447.08	1.46	947.65	743.99	Recharge Zone
6828517	10/29/2001	Bexar	293435.68	983430.17	2.54	963.84	782.13	Recharge Zone
6828519	10/29/2001	Bexar	293408.41	983312.86	-0.30	926.84	719.07	Recharge Zone
6828608	11/1/2001	Bexar	293456.85	983048.92	1.90	858.08	709.98	Recharge Zone
6828609	11/1/2001	Bexar	293458.65	983213.64	-0.30	926.25	723.72	Recharge Zone
6828909	10/30/2001	Bexar	293026.00	983132.00	1.50	783.03	678.75	Artesian Zone
6828920	10/31/2001	Bexar	293230.20	983038.66	0.75	924.96	689.40	Artesian Zone
6828921	10/30/2001	Bexar	293015.00	983222.00	1.10	823.44	680.12	Artesian Zone
6829103	10/31/2001	Bexar	293522.52	982916.82	0.61	952.51	705.70	Recharge Zone
6829112	10/29/2001	Bexar	293558.82	982848.38	2.38	889.00	729.09	Recharge Zone
6829113	10/29/2001	Bexar	293534.14	982828.20	1.52	885.91	729.18	Recharge Zone
6829114	10/29/2001	Bexar	293528.38	982743.41	-0.30	852.60	722.45	Recharge Zone
6829213	10/29/2001	Bexar	293504.46	982708.79	1.30	851.86	697.26	Recharge Zone
6829214	10/29/2001	Bexar	293519.61	982541.04	-0.40	809.91	695.27	Recharge Zone
6829215	10/29/2001	Bexar	293537.05	982623.96	2.10	827.00	707.15	Recharge Zone
6829216	10/29/2001	Bexar	293642.71	982639.92	-0.40	923.70	731.30	Recharge Zone
6829217	10/29/2001	Bexar	293614.86	982623.39	-0.40	919.90	730.71	Recharge Zone
6829418	10/29/2001	Bexar	293455.95	982802.28	2.26	828.15	712.38	Recharge Zone
6829506*	10/29/2001	Bexar	293428.56	982620.57	1.35	788.00	679.38	Recharge Zone
6829605	11/1/2001	Bexar	293300.14	982313.51	-2.20	808.08	678.38	Artesian Zone
6829611	10/30/2001	Bexar	293358.00	982307.00	2.80	829.80	670.25	Artesian Zone
6835106*	10/29/2001	Bexar	292855.00	984250.00	1.20	959.51	637.82	Artesian Zone
6835202	10/29/2001	Bexar	292920.09	984126.72	1.40	848.57	699.08	Artesian Zone
6836103*	10/29/2001	Bexar	292918.00	983603.00	2.16	907.26	655.33	Artesian Zone
6836130*	10/29/2001	Bexar	292920.00	983606.00	N/A	903.10	655.92	Artesian Zone
6836206	10/29/2001	Bexar	292821.00	983253.00	4.20	756.23	680.21	Artesian Zone
6836901	10/31/2001	Bexar	292449.30	983056.77	3.21	637.24	677.72	Artesian Zone
6837103	10/30/2001	Bexar	292950.00	982913.00	1.00	729.53	676.91	Artesian Zone
6837203	10/31/2001	Bexar	292844.86	982557.39	0.30	730.81	674.91	Artesian Zone
6837304	11/1/2001	Bexar	292808.33	982301.84	2.30	702.68	672.86	Artesian Zone
6837521*	11/1/2001	Bexar	292505.56	982539.63	3.70	620.00	674.55	Saline Zone
6837522*	11/1/2001	Bexar	292506.39	982540.27	3.70	620.00	675.67	Saline Zone
6837523*	11/1/2001	Bexar	292505.99	982539.96	3.60	620.00	674.38	Saline Zone
6837524	11/1/2001	Bexar	292544.35	982640.13	4.10	626.00	677.49	Artesian Zone
6837525	11/1/2001	Bexar	292545.31	982600.94	5.00	624.00	674.08	Artesian Zone
6837526	11/1/2001	Bexar	292555.73	982607.33	2.90	642.00	672.43	Artesian Zone
6837527	11/1/2001	Bexar	292556.75	982607.36	3.40	641.00	673.68	Artesian Zone
6837606	10/31/2001	Bexar	292646.43	982440.21	0.90	677.68	676.09	Artesian Zone
6843402	10/31/2001	Bexar	291848.97	984251.53	1.42	698.44	682.33	Artesian Zone
6843606	10/31/2001	Bexar	291910.97	983912.00	1.83	619.96	691.68	Artesian Zone
6843607	10/31/2001	Bexar	291845.83	983348.73	2.59	606.96	668.65	Saline Zone
68285AA*	11/1/2001	Bexar	293315.17	983348.73	1.50	886.78	611.57	Recharge Zone
68293AA	10/29/2001	Bexar	293606.23	982303.67	1.70	967.68	676.61	Artesian Zone
68299BB	10/31/2001	Bexar	293107.56	982444.35	0.50	724.78	671.64	Artesian Zone
68299CC*	10/31/2001	Bexar	293100.42	982444.35	0.20	724.12	662.18	Artesian Zone
68302AA	11/1/2001	Bexar	293554.88	981912.77	1.09	780.74	663.70	Artesian Zone
68302BB	11/1/2001	Bexar	293555.87	981906.51	1.25	763.50	665.05	Artesian Zone
68302CC	11/1/2001	Bexar	293528.90	981949.80	1.00	783.84	664.46	Artesian Zone
68307AA	11/1/2001	Bexar	293104.54	982228.99	1.05	819.10	671.01	Artesian Zone

Table A-8. Water levels collected during the October 29 through November 2, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
68377AA*	11/1/2001	Bexar	292439.52	982949.32	-2.70	610.00	649.48	Artesian Zone
68431AA	10/31/2001	Bexar	292157.44	984413.94	1.00	717.01	692.40	Artesian Zone
68437AA	10/31/2001	Bexar	291711.08	984331.52	3.10	639.33	669.03	Artesian Zone
6815803	11/1/2001	Comal	294609.50	981144.15	1.20	954.97	689.36	Recharge Zone
6815807	11/1/2001	Comal	294517.86	981225.45	0.95	983.77	705.72	Recharge Zone
6815809	11/1/2001	Comal	294615.40	981035.31	0.35	908.39	663.56	Recharge Zone
6815903	10/30/2001	Comal	294527.39	980828.28	0.00	676.86	635.14	Recharge Zone
6815907	10/30/2001	Comal	294516.81	980822.39	1.60	706.48	628.48	Recharge Zone
6815912	10/30/2001	Comal	294516.23	980827.60	1.20	693.79	633.84	Recharge Zone
6816602	10/30/2001	Comal	294738.93	980127.10	0.20	608.05	600.60	Saline Zone
6816701	10/30/2001	Comal	294526.19	980617.24	2.00	711.57	617.57	Transition Zone
6816703	10/30/2001	Comal	294513.18	980535.23	0.70	700.54	611.54	Transition Zone
6816801	10/30/2001	Comal	294712.36	980310.32	0.50	752.83	612.69	Saline Zone
6816803	10/30/2001	Comal	294611.70	980426.77	1.50	725.39	612.09	Transition Zone
6822602	11/2/2001	Comal	294039.12	981725.35	0.65	913.89	663.32	Recharge Zone
6822605	11/2/2001	Comal	294056.73	981537.72	0.61	888.55	660.64	Recharge Zone
6822810	11/2/2001	Comal	293936.98	981825.52	1.30	889.43	678.40	Recharge Zone
6822911	11/2/2001	Comal	293745.77	981620.67	1.00	770.49	661.84	Recharge Zone
6823104	11/1/2001	Comal	294440.35	981327.28	0.95	996.38	697.52	Recharge Zone
6823105	11/1/2001	Comal	294253.78	981323.66	1.57	984.88	637.24	Recharge Zone
6823208	11/1/2001	Comal	294405.65	981140.01	0.25	887.63	649.66	Recharge Zone
6823209*	11/1/2001	Comal	294314.84	981044.39	0.83	862.03	605.60	Recharge Zone
6823210	11/1/2001	Comal	294252.26	981228.97	0.32	920.23	627.14	Recharge Zone
6823302	10/31/2001	Comal	294248.87	980818.08	1.00	642.59	626.90	Recharge Zone
6823304	10/31/2001	Comal	294240.00	980818.00	0.36	626.17	638.70	Artesian Zone
6823306	11/1/2001	Comal	294446.34	980914.21	0.10	807.67	629.16	Recharge Zone
6823309	11/1/2001	Comal	294307.20	980806.87	0.00	736.21	620.48	Recharge Zone
6823316*	11/1/2001	Comal	294316.92	980852.46	1.06	806.52	612.30	Recharge Zone
6823319	10/30/2001	Comal	294315.63	980739.64	1.50	627.63	620.83	Recharge Zone
6823502	11/1/2001	Comal	294056.25	981036.24	1.65	679.52	644.18	Recharge Zone
6823504	11/1/2001	Comal	294016.88	981147.10	3.40	706.18	646.80	Recharge Zone
6823621	11/1/2001	Comal	294140.03	980933.02	0.87	670.81	641.90	Recharge Zone
6823709*	11/1/2001	Comal	293825.55	981359.22	0.45	714.11	671.59	Artesian Zone
6823807	11/1/2001	Comal	293958.91	981016.77	1.70	655.88	643.65	Artesian Zone
6830208	10/31/2001	Comal	293636.78	981910.49	2.11	798.09	664.50	Artesian Zone
6830226	11/2/2001	Comal	293654.49	981901.74	1.58	827.31	661.10	Artesian Zone
6830312	11/2/2001	Comal	293646.10	981702.10	0.90	773.18	659.44	Artesian Zone
6830315	10/30/2001	Comal	293632.40	981723.74	2.35	782.22	661.69	Artesian Zone
6830314*	10/30/2001	Guadalupe	293609.47	981526.05	2.17	871.01	660.86	Artesian Zone
6831403*	10/30/2001	Guadalupe	293423.01	981346.11	2.09	709.08	668.64	Saline Zone
6831511*	10/30/2001	Guadalupe	293245.49	981209.56	2.06	674.00	661.39	Saline Zone
6831808*	10/30/2001	Guadalupe	293057.55	981104.95	2.89	648.92	648.54	Saline Zone
5842819	10/27/2001	Hays	301539.62	974903.26	N/A	672.94	456.49	Artesian Zone
5850221	11/1/2001	Hays	301331.61	974822.28	N/A	675.60	462.92	Artesian Zone
5850301	10/27/2001	Hays	301237.25	974653.70	N/A	652.21	483.50	Artesian Zone
5850417	10/27/2001	Hays	301142.54	975046.01	N/A	806.00	543.50	Artesian Zone
5850801	10/27/2001	Hays	300834.12	974838.72	N/A	662.08	579.20	Artesian Zone
5857602	10/27/2001	Hays	300427.18	975456.89	N/A	801.94	674.64	Recharge Zone
5857903	10/27/2001	Hays	300218.59	975310.20	N/A	824.02	621.20	Artesian Zone
5858101	10/27/2001	Hays	300500.89	975033.50	N/A	707.25	587.70	Artesian Zone
5858123	10/27/2001	Hays	300633.95	975030.23	N/A	700.89	583.39	Artesian Zone
6701303	10/27/2001	Hays	295923.14	975231.71	1.10	719.24	537.80	Transition Zone
6701311	10/30/2001	Hays	295853.15	975329.05	2.48	770.52	561.89	Transition Zone
6701701	10/30/2001	Hays	295342.03	975752.04	0.00	734.50	577.90	Transition Zone
6701809	10/29/2001	Hays	295442.91	975543.59	1.20	601.27	576.97	Recharge Zone
6702104*	10/30/2001	Hays	295858.05	975217.51	2.61	674.32	561.06	Saline Zone
6702105*	10/30/2001	Hays	295729.88	975031.64	2.19	646.70	578.01	Saline Zone
6702106*	10/30/2001	Hays	295829.06	975125.61	2.17	678.28	577.25	Saline Zone
6709106	10/31/2001	Hays	295108.76	975913.76	1.32	699.66	580.39	Transition Zone
6709110	10/30/2001	Hays	295036.89	975856.09	1.88	678.88	580.33	Transition Zone
6709113	10/30/2001	Hays	295019.46	975926.65	1.69	704.73	581.34	Transition Zone
6709401*	10/30/2001	Hays	294945.30	975744.51	2.37	642.51	590.65	Saline Zone
6808902	11/1/2001	Hays	295347.28	980010.42	2.83	783.77	588.47	Recharge Zone
6816603	11/1/2001	Hays	294945.22	980058.37	2.76	736.91	582.74	Recharge Zone
58499SP	10/27/2001	Hays	300849.60	975348.77	N/A	766.88	711.35	Artesian Zone
58501W2	10/27/2001	Hays	301335.06	975029.27	N/A	738.94	586.98	Artesian Zone
58573GC	10/27/2001	Hays	300551.31	975312.66	N/A	824.50	608.40	Artesian Zone

Table A-8. Water levels collected during the October 29 through November 2, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
58584CT	10/27/2001	Hays	300336.71	975206.49	N/A	735.17	620.27	Recharge Zone
67014AA	10/31/2001	Hays	295517.74	975755.59	0.90	724.88	583.88	Recharge Zone
67015AA	10/30/2001	Hays	295513.84	975655.73	0.89	698.59	580.65	Recharge Zone
67017AA	10/29/2001	Hays	295410.80	975835.57	1.10	800.13	583.23	Recharge Zone
67017BB	10/31/2001	Hays	295430.94	975817.54	0.77	767.83	586.26	Recharge Zone
6701813A	10/29/2001	Hays	295328.06	975545.76	3.10	581.12	575.90	Saline Zone
6701814A	10/29/2001	Hays	295330.58	975551.08	6.40	575.54	574.77	Saline Zone
67018BB	10/31/2001	Hays	295339.97	975546.02	1.16	585.03	575.79	Transition Zone
67018CC	10/31/2001	Hays	295337.00	975555.37	2.12	632.70	576.02	Transition Zone
67018DD	10/31/2001	Hays	295313.83	975658.65	1.00	750.96	576.27	Transition Zone
67018FF	10/29/2001	Hays	295409.70	975518.22	2.45	589.37	576.93	Recharge Zone
67019AA	11/1/2001	Hays	295450.35	975458.55	2.79	649.70	577.73	Transition Zone
67091AA	10/30/2001	Hays	295131.73	975934.12	0.41	748.41	579.71	Recharge Zone
67091CC	11/1/2001	Hays	295011.55	975938.17	4.75	732.90	580.34	Transition Zone
7038902*	10/29/2001	Kinney	292448.97	1001540.40	2.10	1,378.94	1,191.64	Recharge Zone
6826802	10/31/2001	Medina	293040.74	984829.98	1.20	1,006.17	775.42	Artesian Zone
6833604	10/30/2001	Medina	292519.87	985319.51	0.90	847.95	710.80	Artesian Zone
6834506	10/29/2001	Medina	292552.74	984846.64	0.85	1,043.46	700.41	Artesian Zone
6841301	10/30/2001	Medina	292118.16	985248.37	1.64	759.76	703.47	Artesian Zone
6842106	10/29/2001	Medina	292116.90	985114.72	1.00	774.98	704.65	Artesian Zone
6842112*	10/29/2001	Medina	292044.76	985056.68	2.90	762.60	691.07	Artesian Zone
6842502	10/30/2001	Medina	291838.01	984921.79	1.25	728.85	697.58	Artesian Zone
6938601	10/31/2001	Medina	292618.74	991700.46	1.34	1,007.82	864.23	Artesian Zone
6938902	10/31/2001	Medina	292244.68	991636.63	0.78	942.32	764.52	Recharge Zone
6938906	10/31/2001	Medina	292319.18	991552.29	1.47	950.41	771.43	Artesian Zone
6939504	11/2/2001	Medina	292703.58	991141.60	1.65	1,021.14	864.01	Artesian Zone
6939801	11/2/2001	Medina	292318.83	991110.10	0.70	955.76	756.83	Recharge Zone
6939901	11/2/2001	Medina	292304.27	990914.08	1.13	932.48	750.54	Artesian Zone
6940101	11/2/2001	Medina	292935.75	990729.40	0.61	1,023.22	872.06	Artesian Zone
6940102	11/2/2001	Medina	292740.12	990701.62	2.50	966.60	833.30	Recharge Zone
6940404	11/2/2001	Medina	292602.19	990718.34	1.15	935.18	774.73	Recharge Zone
6940901	10/30/2001	Medina	292433.94	990002.76	0.71	878.23	719.66	Artesian Zone
6946601	10/31/2001	Medina	291956.09	991644.17	0.89	884.40	755.98	Artesian Zone
6946602	10/31/2001	Medina	291900.58	991538.20	0.50	908.32	757.06	Artesian Zone
6947301	11/2/2001	Medina	292136.57	990937.05	0.92	915.82	721.94	Artesian Zone
6947306	10/31/2001	Medina	292046.75	990820.20	0.80	886.68	721.45	Artesian Zone
6947502	11/1/2001	Medina	291853.00	991031.91	0.56	872.00	727.19	Artesian Zone
6947503	10/31/2001	Medina	291931.35	991227.60	0.86	884.78	730.44	Artesian Zone
6947602	11/1/2001	Medina	291918.00	990918.45	1.15	862.24	726.02	Artesian Zone
6947603	11/1/2001	Medina	291826.86	990858.49	1.60	844.01	725.64	Artesian Zone
6948102	11/1/2001	Medina	292104.10	990512.20	0.65	867.03	720.76	Artesian Zone
6948303*	11/2/2001	Medina	292125.12	990051.43	2.55	1,007.08	699.95	Artesian Zone
6956501	11/1/2001	Medina	291027.05	990303.59	2.13	714.70	732.98	Artesian Zone
6956507	11/1/2001	Medina	291018.32	990317.78	1.30	712.77	741.75	Artesian Zone
6963103	11/1/2001	Medina	290639.91	991312.10	4.83	661.18	755.98	Artesian Zone
68339AA	10/30/2001	Medina	292216.49	985351.81	0.85	773.89	707.69	Artesian Zone
68415AA	10/29/2001	Medina	291839.74	985539.90	5.00	951.35	706.52	Artesian Zone
68416AA	10/29/2001	Medina	291942.04	985324.31	3.50	965.61	702.31	Artesian Zone
68422AA	10/30/2001	Medina	292213.28	984842.01	0.80	777.53	697.53	Artesian Zone
69396AA	11/2/2001	Medina	292606.12	990858.76	1.00	999.31	797.15	Recharge Zone
6946702-B	11/1/2001	Medina	291546.50	992122.73	2.00	949.73	760.54	Artesian Zone
69472AA	11/2/2001	Medina	292053.25	991158.62	2.63	909.27	729.41	Artesian Zone
69475AA	11/1/2001	Medina	291814.47	991054.76	0.74	860.15	726.28	Artesian Zone
69489AA	11/2/2001	Medina	291554.58	990220.56	1.10	794.98	735.32	Artesian Zone
6935401*	11/1/2001	Uvalde	292630.68	994456.96	1.00	1,289.97	1,170.82	Recharge Zone
6935602*	11/1/2001	Uvalde	292645.21	993955.12	0.50	1,149.72	1,090.18	Recharge Zone
6935804*	11/1/2001	Uvalde	292340.20	994207.76	0.00	1,153.44	1,025.66	Recharge Zone
6936402	11/1/2001	Uvalde	292508.17	993634.36	2.60	1,096.34	792.24	Artesian Zone
6936601	10/31/2001	Uvalde	292532.31	993058.54	0.07	1,072.36	802.99	Artesian Zone
6937402	10/31/2001	Uvalde	292711.88	992823.47	2.00	1,153.22	822.24	Artesian Zone
6942709	10/29/2001	Uvalde	291625.04	995146.26	1.80	1,005.63	899.03	Artesian Zone
6943409	11/1/2001	Uvalde	291926.07	994249.71	1.70	1,056.46	873.37	Artesian Zone
6943607	11/1/2001	Uvalde	291935.42	993819.05	2.00	1,009.65	786.21	Artesian Zone
6943903	11/1/2001	Uvalde	291559.24	993856.72	1.25	954.83	855.23	Artesian Zone
6944108	11/1/2001	Uvalde	292204.37	993621.36	2.50	1,040.63	784.64	Artesian Zone
6944301	10/31/2001	Uvalde	292110.57	993048.07	1.15	1,001.93	773.00	Artesian Zone
6944402	11/1/2001	Uvalde	291948.42	993536.78	1.00	997.37	786.49	Artesian Zone

Table A-8. Water levels collected during the October 29 through November 2, 2001 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6944703	11/1/2001	Uvalde	291526.72	993510.46	1.10	934.41	752.41	Artesian Zone
6944804	11/1/2001	Uvalde	291726.32	993421.98	1.50	952.67	771.88	Artesian Zone
6944902	10/31/2001	Uvalde	291611.24	993018.97	2.48	899.91	769.13	Artesian Zone
6945401	10/31/2001	Uvalde	291909.99	992811.63	0.70	953.79	769.30	Artesian Zone
6950302	10/31/2001	Uvalde	291231.48	994703.73	2.40	904.90	874.73	Artesian Zone
6951401	10/29/2001	Uvalde	291027.83	994403.39	1.36	891.30	845.40	Saline Zone
6951602	10/29/2001	Uvalde	291032.62	993937.83	0.90	863.36	830.37	Saline Zone
6952403	10/29/2001	Uvalde	291156.01	993700.85	0.00	875.11	759.12	Saline Zone
7040901*	10/29/2001	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.11	Recharge Zone
69369AA	10/31/2001	Uvalde	292249.34	992939.57	0.82	1,028.59	777.12	Artesian Zone
69438AA	11/1/2001	Uvalde	291716.98	994158.31	0.91	976.58	858.03	Artesian Zone
69439AA	11/1/2001	Uvalde	291558.33	993811.03	0.56	947.76	821.92	Artesian Zone
69493AA	10/30/2001	Uvalde	291438.97	995235.57	0.30	968.16	896.87	Artesian Zone
69502AA	10/30/2001	Uvalde	291237.94	994907.37	0.83	913.08	876.91	Artesian Zone
69502BB	10/29/2001	Uvalde	291429.99	994901.47	0.39	931.63	881.97	Artesian Zone
69502CC	10/30/2001	Uvalde	291234.50	994834.37	2.65	910.31	875.85	Artesian Zone
69502DD	10/30/2001	Uvalde	291412.88	994938.83	0.00	941.30	883.33	Artesian Zone
69503AA	10/29/2001	Uvalde	291444.86	994726.72	0.55	956.79	878.35	Artesian Zone
69503BB	10/30/2001	Uvalde	291448.95	994524.53	0.70	964.16	875.97	Artesian Zone
69503CC	10/30/2001	Uvalde	291300.13	994519.22	0.80	930.35	875.04	Artesian Zone
69505AA	10/30/2001	Uvalde	291127.50	994955.14	6.25	910.75	871.65	Artesian Zone
69505BB	10/30/2001	Uvalde	291137.84	994735.74	1.00	901.20	873.07	Artesian Zone
69506AA	10/30/2001	Uvalde	291135.50	994634.34	0.37	897.12	869.84	Artesian Zone
69511AA	10/29/2001	Uvalde	291429.78	994432.83	1.00	965.57	875.41	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-9. Water levels collected during the January 28 through February 4, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	1/29/2002	Atascosa	291348.94	984755.96	1.00	711.86	683.58	Artesian Zone
6821802	1/31/2002	Bexar	293747.87	982728.33	1.58	989.71	731.97	Recharge Zone
6821806	1/28/2002	Bexar	293745.73	982654.56	2.38	950.66	736.03	Recharge Zone
6827307	1/29/2002	Bexar	293507.78	983750.92	1.10	990.74	820.49	Recharge Zone
6827401	1/31/2002	Bexar	293310.23	984440.12	2.45	1,031.45	807.74	Recharge Zone
6827517	1/29/2002	Bexar	293358.60	984054.19	2.05	997.39	781.13	Recharge Zone
6827609	1/29/2002	Bexar	293404.55	983941.82	-0.33	960.54	774.04	Recharge Zone
6827610	1/29/2002	Bexar	293251.78	983808.31	2.11	902.05	745.98	Recharge Zone
6827611	1/29/2002	Bexar	293429.12	983738.55	-0.23	964.16	775.80	Recharge Zone
6827612	1/29/2002	Bexar	293403.40	983820.23	2.83	957.84	767.71	Recharge Zone
6828113	1/24/2002	Bexar	293516.48	983627.53	-0.45	1,022.33	807.87	Recharge Zone
6828210	1/28/2002	Bexar	293530.42	983433.97	-0.37	984.27	804.76	Recharge Zone
6828211	1/28/2002	Bexar	293516.12	983254.88	2.65	974.30	758.31	Recharge Zone
6828313	1/28/2002	Bexar	293635.42	983021.73	2.50	948.81	746.68	Recharge Zone
6828314	1/28/2002	Bexar	293534.92	983040.73	1.40	900.53	738.81	Recharge Zone
6828315	1/29/2002	Bexar	293611.27	983118.89	-0.17	946.75	745.97	Recharge Zone
6828406	1/29/2002	Bexar	293349.54	983558.21	0.80	978.72	745.18	Recharge Zone
6828407	1/28/2002	Bexar	293424.74	983508.18	-0.22	1,000.03	762.60	Recharge Zone
6828512	1/31/2002	Bexar	293425.39	983430.47	1.41	951.16	776.10	Recharge Zone
6828515	1/28/2002	Bexar	293347.72	983340.89	1.71	975.69	728.85	Recharge Zone
6828516	1/29/2002	Bexar	293339.23	983447.08	1.46	947.65	734.11	Recharge Zone
6828517	1/28/2002	Bexar	293435.68	983430.17	2.54	963.84	779.14	Recharge Zone
6828518	1/28/2002	Bexar	293438.48	983241.66	2.45	926.61	742.56	Recharge Zone
6828519	1/28/2002	Bexar	293408.41	983312.86	-0.30	926.84	725.09	Recharge Zone
6828608	1/30/2002	Bexar	293456.85	983048.92	1.90	858.08	729.98	Recharge Zone
6828609	1/28/2002	Bexar	293458.65	983213.64	-0.30	926.25	732.90	Recharge Zone
6828920	1/30/2002	Bexar	293230.20	983038.66	0.75	924.96	694.71	Artesian Zone
6828921	2/4/2002	Bexar	293015.00	983222.00	1.10	823.44	688.58	Artesian Zone
6829103	1/31/2002	Bexar	293522.52	982916.82	0.61	952.51	717.90	Recharge Zone
6829112	1/28/2002	Bexar	293558.82	982848.38	2.38	889.00	734.91	Recharge Zone
6829113	1/28/2002	Bexar	293534.14	982828.20	1.52	885.91	735.90	Recharge Zone
6829114	1/28/2002	Bexar	293528.38	982743.41	-0.30	852.60	729.71	Recharge Zone
6829213	1/28/2002	Bexar	293504.46	982708.79	1.30	851.86	705.55	Recharge Zone
6829214	1/28/2002	Bexar	293519.61	982541.04	-0.40	809.91	705.40	Recharge Zone
6829215	1/28/2002	Bexar	293537.05	982623.96	2.10	827.00	714.50	Recharge Zone
6829216	1/28/2002	Bexar	293642.71	982639.92	-0.40	923.70	735.19	Recharge Zone
6829217	1/28/2002	Bexar	293614.86	982623.39	-0.40	919.90	734.97	Recharge Zone
6829418	1/28/2002	Bexar	293455.95	982802.28	2.26	828.15	720.74	Recharge Zone
6829506	1/28/2002	Bexar	293428.56	982620.57	1.35	788.00	688.47	Recharge Zone
6829605	1/30/2002	Bexar	293300.14	982313.51	-2.20	808.08	681.78	Artesian Zone
6835106*	2/4/2002	Bexar	292855.00	984250.00	1.20	959.51	638.59	Artesian Zone
6835202	1/28/2002	Bexar	292920.09	984126.72	1.40	848.57	708.01	Artesian Zone
6836103*	2/4/2002	Bexar	292918.00	983603.00	2.16	907.26	652.69	Artesian Zone
6836206	2/4/2002	Bexar	292821.00	983253.00	4.20	756.23	687.60	Artesian Zone
6836901	1/28/2002	Bexar	292449.30	983056.77	3.21	637.24	684.65	Artesian Zone
6837203	1/28/2002	Bexar	292844.86	982557.39	0.30	730.81	682.17	Artesian Zone
6837304	1/30/2002	Bexar	292808.33	982301.84	2.30	702.68	680.65	Artesian Zone
6837521	2/1/2002	Bexar	292505.56	982539.63	3.70	620.00	684.95	Saline Zone
6837522	2/1/2002	Bexar	292506.39	982540.27	3.70	620.00	686.06	Saline Zone
6837523	2/1/2002	Bexar	292505.99	982539.96	3.60	620.00	684.78	Saline Zone
6837524	2/1/2002	Bexar	292544.35	982640.13	4.10	626.00	690.19	Artesian Zone
6837525	2/1/2002	Bexar	292545.31	982600.94	5.00	624.00	685.64	Artesian Zone
6837526	2/1/2002	Bexar	292555.73	982607.33	2.90	642.00	681.67	Artesian Zone
6837527	2/1/2002	Bexar	292556.75	982607.36	3.40	641.00	686.38	Artesian Zone
6837606	1/30/2002	Bexar	292646.43	982440.21	0.90	677.68	678.37	Artesian Zone
6843402	1/28/2002	Bexar	291848.97	984251.53	1.42	698.44	691.01	Artesian Zone
6843606	1/28/2002	Bexar	291910.97	983912.00	1.83	619.96	703.23	Artesian Zone
6843607*	1/28/2002	Bexar	291845.83	983348.73	2.59	606.96	677.89	Saline Zone
68293AA	1/31/2002	Bexar	293606.23	982303.67	1.70	967.68	684.71	Artesian Zone
68299BB	1/30/2002	Bexar	293107.56	982444.35	0.50	724.78	678.82	Artesian Zone
68299CC*	1/30/2002	Bexar	293100.42	982444.35	0.20	724.12	707.17	Artesian Zone
68302AA	1/30/2002	Bexar	293554.88	981912.77	1.09	780.74	670.12	Artesian Zone
68302BB	1/30/2002	Bexar	293555.87	981906.51	1.25	763.50	665.05	Artesian Zone
68302CC	1/30/2002	Bexar	293528.90	981949.80	1.00	783.84	670.97	Artesian Zone
68307AA	1/30/2002	Bexar	293104.54	982228.99	1.05	819.10	677.97	Artesian Zone
68377AA*	2/1/2002	Bexar	292439.52	982949.32	-2.70	610.00	661.32	Artesian Zone
68431AA	1/28/2002	Bexar	292157.44	984413.94	1.00	717.01	700.34	Artesian Zone

Table A-9. Water levels collected during the January 28 through February 4, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
68437AA*	1/28/2002	Bexar	291711.08	984331.52	3.10	639.33	673.66	Artesian Zone
6815803	1/29/2002	Comal	294609.50	981144.15	1.20	954.97	694.87	Recharge Zone
6815807	1/29/2002	Comal	294517.86	981225.45	0.95	983.77	708.52	Recharge Zone
6815809	1/29/2002	Comal	294615.40	981035.31	0.35	908.39	675.94	Recharge Zone
6815903	1/28/2002	Comal	294527.39	980828.28	0.00	676.86	639.47	Recharge Zone
6815907	1/28/2002	Comal	294516.81	980822.39	1.60	706.48	638.64	Recharge Zone
6815912	1/28/2002	Comal	294516.23	980827.60	1.20	693.79	638.97	Recharge Zone
6816602	1/28/2002	Comal	294738.93	980127.10	0.20	608.05	603.40	Saline Zone
6816701	1/28/2002	Comal	294526.19	980617.24	2.00	711.57	620.88	Transition Zone
6816703	1/28/2002	Comal	294513.18	980535.23	0.70	700.54	618.48	Transition Zone
6816801	1/28/2002	Comal	294712.36	980310.32	0.50	752.83	622.65	Saline Zone
6816803	1/28/2002	Comal	294611.70	980426.77	1.50	725.39	616.99	Transition Zone
6822602	1/29/2002	Comal	294039.12	981725.35	0.65	913.89	664.36	Recharge Zone
6822603*	1/29/2002	Comal	294208.09	981505.67	1.28	945.66	670.98	Transition Zone
6822807	2/4/2002	Comal	293919.79	981818.17	1.85	895.49	688.40	Recharge Zone
6822810	1/29/2002	Comal	293936.98	981825.52	1.30	889.43	681.53	Recharge Zone
6822911	1/29/2002	Comal	293745.77	981620.67	1.00	770.49	663.12	Recharge Zone
6823104	1/29/2002	Comal	294440.35	981327.28	0.95	996.38	700.26	Recharge Zone
6823105	1/29/2002	Comal	294253.78	981323.66	1.57	984.88	654.75	Recharge Zone
6823208	1/29/2002	Comal	294405.65	981140.01	0.25	887.63	655.98	Recharge Zone
6823209	1/29/2002	Comal	294314.84	981044.39	0.83	862.03	627.11	Recharge Zone
6823210	1/29/2002	Comal	294252.26	981228.97	0.32	920.23	654.35	Recharge Zone
6823302	1/31/2002	Comal	294248.87	980818.08	1.00	642.59	628.00	Recharge Zone
6823304	1/31/2002	Comal	294240.00	980818.00	0.36	626.17	641.75	Artesian Zone
6823306	1/29/2002	Comal	294446.34	980914.21	0.10	807.67	635.55	Recharge Zone
6823309	1/29/2002	Comal	294307.20	980806.87	0.00	736.21	626.09	Recharge Zone
6823316	1/29/2002	Comal	294316.92	980852.46	1.06	806.52	626.12	Recharge Zone
6823319	1/28/2002	Comal	294315.63	980739.64	1.50	627.63	624.04	Recharge Zone
6823502	1/29/2002	Comal	294056.25	981036.24	1.65	679.52	648.24	Recharge Zone
6823504	1/29/2002	Comal	294016.88	981147.10	3.40	706.18	648.01	Recharge Zone
6830208	1/31/2002	Comal	293636.78	981910.49	2.11	798.09	671.00	Artesian Zone
6830226	1/29/2002	Comal	293654.49	981901.74	1.58	827.31	670.81	Artesian Zone
6830312	1/29/2002	Comal	293646.10	981702.10	0.90	773.18	666.39	Artesian Zone
6830315	1/29/2002	Comal	293632.40	981723.74	2.35	782.22	667.55	Artesian Zone
68302AA	2/4/2002	Comal	293706.05	981935.69	1.25	804.79	686.86	Artesian Zone
6830314*	1/29/2002	Guadalupe	293609.47	981526.05	2.17	871.01	668.33	Artesian Zone
6831403*	1/29/2002	Guadalupe	293423.01	981346.11	2.09	709.08	675.48	Saline Zone
6831511*	1/29/2002	Guadalupe	293245.49	981209.56	2.06	674.00	668.16	Saline Zone
5842819	1/31/2002	Hays	301539.62	974903.26	N/A	672.94	471.37	Artesian Zone
5850221	1/31/2002	Hays	301331.61	974822.28	N/A	675.60	499.50	Artesian Zone
5850301	1/30/2002	Hays	301237.25	974653.70	N/A	652.21	516.42	Artesian Zone
5850417	1/31/2002	Hays	301142.54	975046.01	N/A	806.00	555.91	Artesian Zone
5850801	1/30/2002	Hays	300834.12	974838.72	N/A	662.08	618.96	Artesian Zone
5857602	1/30/2002	Hays	300427.18	975456.89	N/A	801.94	707.99	Recharge Zone
5857903	1/30/2002	Hays	300218.59	975310.20	N/A	824.02	650.08	Artesian Zone
5858101	1/30/2002	Hays	300500.89	975033.50	N/A	707.25	638.88	Artesian Zone
5858123	1/30/2002	Hays	300633.95	975030.23	N/A	700.89	626.29	Artesian Zone
6701303	1/30/2002	Hays	295923.14	975231.71	1.10	719.24	545.70	Transition Zone
6701311	1/29/2002	Hays	295853.15	975329.05	2.48	770.52	574.05	Transition Zone
6701701	1/28/2002	Hays	295342.03	975752.04	0.00	734.50	582.70	Transition Zone
6701809	1/28/2002	Hays	295442.91	975543.59	1.20	601.27	581.12	Recharge Zone
6702104*	1/29/2002	Hays	295858.05	975217.51	2.61	674.32	568.33	Saline Zone
6702105*	1/29/2002	Hays	295729.88	975031.64	2.19	646.70	579.60	Saline Zone
6702106*	1/29/2002	Hays	295829.06	975125.61	2.17	678.28	582.33	Saline Zone
6709106	1/30/2002	Hays	295108.76	975913.76	1.32	699.66	585.32	Transition Zone
6709110	1/29/2002	Hays	295036.89	975856.09	1.88	678.88	583.55	Transition Zone
6709113	1/29/2002	Hays	295019.46	975926.65	1.69	704.73	585.75	Transition Zone
6709401*	1/29/2002	Hays	294945.30	975744.51	2.37	642.51	592.89	Saline Zone
6808902	1/29/2002	Hays	295347.28	980010.42	2.83	783.77	595.24	Recharge Zone
6816603	1/30/2002	Hays	294945.22	980058.37	2.76	736.91	588.19	Recharge Zone
58499SP	1/30/2002	Hays	300849.60	975348.77	N/A	766.88	713.88	Artesian Zone
58501W2*	1/31/2002	Hays	301335.06	975029.27	N/A	738.94	589.79	Artesian Zone
58573GC	1/30/2002	Hays	300551.31	975312.66	N/A	824.50	646.94	Artesian Zone
58584CT	1/30/2002	Hays	300336.71	975206.49	N/A	735.17	653.98	Recharge Zone
67014AA	1/29/2002	Hays	295517.74	975755.59	0.90	724.88	597.09	Recharge Zone
67015AA	1/28/2002	Hays	295513.84	975655.73	0.89	698.59	587.59	Recharge Zone
67017AA	1/29/2002	Hays	295410.80	975835.57	1.10	800.13	595.54	Recharge Zone

Table A-9. Water levels collected during the January 28 through February 4, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
67017BB	1/29/2002	Hays	295430.94	975817.54	0.77	767.83	592.55	Recharge Zone
6701813A	1/28/2002	Hays	295328.06	975545.76	3.10	581.12	578.75	Artesian Zone
67018BB	1/30/2002	Hays	295339.97	975546.02	1.16	585.03	577.79	Transition Zone
67018CC	1/30/2002	Hays	295337.00	975555.37	2.12	632.70	581.33	Transition Zone
67018DD	1/30/2002	Hays	295313.83	975658.65	1.00	750.96	579.61	Transition Zone
67018FF	1/28/2002	Hays	295409.70	975518.22	2.45	589.37	580.68	Recharge Zone
67091AA	1/29/2002	Hays	295131.73	975934.12	0.41	748.41	584.72	Recharge Zone
67091BB	1/29/2002	Hays	295203.48	975807.78	0.55	646.44	603.19	Recharge Zone
67091CC	1/30/2002	Hays	295011.55	975938.17	4.75	732.90	585.51	Transition Zone
7038902*	1/30/2002	Kinney	292448.97	1001540.40	2.10	1,378.94	1,194.44	Recharge Zone
6826802	1/31/2002	Medina	293040.74	984829.98	1.20	1,006.17	785.09	Artesian Zone
6833604	1/29/2002	Medina	292519.87	985319.51	0.90	847.95	711.46	Artesian Zone
6834506	1/29/2002	Medina	292552.74	984846.64	0.85	1,043.46	710.14	Artesian Zone
6841301	1/28/2002	Medina	292118.16	985248.37	1.64	759.76	713.00	Artesian Zone
6842106	1/28/2002	Medina	292116.90	985114.72	1.00	774.98	713.82	Artesian Zone
6842112*	1/28/2002	Medina	292044.76	985056.68	2.90	762.60	697.36	Artesian Zone
6842502	1/29/2002	Medina	291838.01	984921.79	1.25	728.85	707.00	Artesian Zone
6937301	1/29/2002	Medina	292800.02	992302.84	1.73	1,166.22	853.47	Artesian Zone
6938601	1/29/2002	Medina	292618.74	991700.46	1.34	1,007.82	869.29	Artesian Zone
6938902	1/29/2002	Medina	292244.68	991636.63	0.78	942.32	779.11	Recharge Zone
6938906	1/29/2002	Medina	292319.18	991552.29	1.47	950.41	782.52	Artesian Zone
6939504	1/31/2002	Medina	292703.58	991141.60	1.65	1,021.14	867.83	Artesian Zone
6939901	1/31/2002	Medina	292304.27	990914.08	1.13	932.48	761.32	Recharge Zone
6940101	1/31/2002	Medina	292935.75	990729.40	0.61	1,023.22	874.11	Artesian Zone
6940102	1/31/2002	Medina	292740.12	990701.62	2.50	966.60	836.07	Recharge Zone
6940202	1/28/2002	Medina	292801.71	990426.21	1.05	997.69	829.40	Recharge Zone
6940404	1/31/2002	Medina	292602.19	990718.34	1.15	935.18	789.19	Recharge Zone
6940901	1/28/2002	Medina	292433.94	990002.76	0.71	878.23	729.40	Artesian Zone
6946601	1/30/2002	Medina	291956.09	991644.17	0.89	884.40	772.59	Artesian Zone
6946602	1/29/2002	Medina	291900.58	991538.20	0.50	908.32	770.30	Artesian Zone
6947301	1/31/2002	Medina	292136.57	990937.05	0.92	915.82	732.14	Artesian Zone
6947306	1/29/2002	Medina	292046.75	990820.20	0.80	886.68	731.73	Artesian Zone
6947502	1/30/2002	Medina	291853.00	991031.91	0.56	872.00	737.78	Artesian Zone
6947503	1/29/2002	Medina	291931.35	991227.60	0.86	884.78	737.44	Artesian Zone
6947602	1/30/2002	Medina	291918.00	990918.45	1.15	862.24	736.60	Artesian Zone
6947603	1/30/2002	Medina	291826.86	990858.49	1.60	844.01	733.71	Artesian Zone
6948102	1/29/2002	Medina	292104.10	990512.20	0.65	867.03	727.87	Artesian Zone
6948303	1/28/2002	Medina	292125.12	990051.43	2.55	1,007.08	709.27	Artesian Zone
6956501	1/30/2002	Medina	291027.05	990303.59	2.13	714.70	732.98	Artesian Zone
6956507	1/30/2002	Medina	291018.32	990317.78	1.30	712.77	741.75	Artesian Zone
6963103	1/30/2002	Medina	290639.91	991312.10	4.83	661.18	765.21	Artesian Zone
68339AA	1/28/2002	Medina	292216.49	985351.81	0.85	773.89	717.57	Artesian Zone
68415AA	1/29/2002	Medina	291839.74	985539.90	5.00	951.35	716.37	Artesian Zone
68416AA	1/31/2002	Medina	291942.04	985324.31	3.50	965.61	711.77	Artesian Zone
68419AA	1/29/2002	Medina	291639.82	985244.39	1.00	855.56	712.27	Artesian Zone
68422AA	1/28/2002	Medina	292213.28	984842.01	0.80	777.53	706.72	Artesian Zone
69396AA	1/31/2002	Medina	292606.12	990858.76	1.00	999.31	803.27	Recharge Zone
6946702-B	1/30/2002	Medina	291546.50	992122.73	2.00	949.73	778.36	Artesian Zone
69472AA	1/31/2002	Medina	292053.25	991158.62	2.63	909.27	742.92	Artesian Zone
69475AA	1/30/2002	Medina	291814.47	991054.76	0.74	860.15	736.90	Artesian Zone
69489AA*	1/30/2002	Medina	291554.58	990220.56	1.10	794.98	746.98	Artesian Zone
6935401*	1/30/2002	Uvalde	292630.68	994456.96	1.00	1,289.97	1,172.11	Recharge Zone
6935602*	1/30/2002	Uvalde	292645.21	993955.12	0.50	1,149.72	1,090.83	Recharge Zone
6935804*	1/30/2002	Uvalde	292340.20	994207.76	0.00	1,153.44	1,032.54	Recharge Zone
6936402	1/30/2002	Uvalde	292508.17	993634.36	2.60	1,096.34	806.77	Artesian Zone
6936601	1/31/2002	Uvalde	292532.31	993058.54	0.07	1,072.36	813.46	Artesian Zone
6942709	1/29/2002	Uvalde	291625.04	995146.26	1.80	1,005.63	902.44	Artesian Zone
6943409	1/30/2002	Uvalde	291926.07	994249.71	1.70	1,056.46	879.52	Artesian Zone
6943607	1/30/2002	Uvalde	291935.42	993819.05	2.00	1,009.65	800.78	Artesian Zone
6943903	1/31/2002	Uvalde	291559.24	993856.72	1.25	954.83	880.91	Artesian Zone
6944108	1/30/2002	Uvalde	292204.37	993621.36	2.50	1,040.63	799.31	Artesian Zone
6944301	1/30/2002	Uvalde	292110.57	993048.07	1.15	1,001.93	786.34	Artesian Zone
6944402	1/30/2002	Uvalde	291948.42	993536.78	1.00	997.37	800.33	Artesian Zone
6944703*	1/31/2002	Uvalde	291526.72	993510.46	1.10	934.41	771.94	Artesian Zone
6944804	1/31/2002	Uvalde	291726.32	993421.98	1.50	952.67	796.82	Artesian Zone
6944902	1/31/2002	Uvalde	291611.24	993018.97	2.48	899.91	781.11	Artesian Zone
6945401	1/29/2002	Uvalde	291909.99	992811.63	0.70	953.79	781.97	Artesian Zone

Table A-9. Water levels collected during the January 28 through February 4, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6950302	1/28/2002	Uvalde	291231.48	994703.73	2.40	904.90	877.54	Artesian Zone
6951602	1/31/2002	Uvalde	291032.62	993937.83	0.90	863.36	833.89	Saline Zone
6951606	1/31/2002	Uvalde	291135.05	993756.38	2.08	877.55	762.26	Saline Zone
6952202	1/30/2002	Uvalde	291442.62	993258.49	2.76	874.02	779.90	Artesian Zone
6952403	1/31/2002	Uvalde	291156.01	993700.85	0.00	875.11	759.93	Saline Zone
6952404	1/31/2002	Uvalde	291132.99	993637.63	2.77	867.02	765.73	Saline Zone
6953701	1/29/2002	Uvalde	290849.98	992841.32	1.80	748.03	775.71	Artesian Zone
7040901*	1/29/2002	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.19	Recharge Zone
69369AA	1/31/2002	Uvalde	292249.34	992939.57	0.82	1,028.59	790.02	Artesian Zone
69438AA	1/30/2002	Uvalde	291716.98	994158.31	0.91	976.58	865.58	Artesian Zone
69439AA	1/31/2002	Uvalde	291558.33	993811.03	0.56	947.76	867.86	Artesian Zone
69493AA	1/29/2002	Uvalde	291438.97	995235.57	0.30	968.16	900.40	Artesian Zone
69502AA	1/29/2002	Uvalde	291237.94	994907.37	0.83	913.08	879.76	Artesian Zone
69502BB	1/29/2002	Uvalde	291429.99	994901.47	0.39	931.63	885.47	Artesian Zone
69502CC	1/29/2002	Uvalde	291234.50	994834.37	2.65	910.31	878.61	Artesian Zone
69502DD	1/29/2002	Uvalde	291412.88	994938.83	0.00	941.30	886.80	Artesian Zone
69503AA	1/31/2002	Uvalde	291444.86	994726.72	0.55	956.79	881.74	Artesian Zone
69503CC	1/28/2002	Uvalde	291300.13	994519.22	0.80	930.35	879.31	Artesian Zone
69505AA	1/28/2002	Uvalde	291127.50	994955.14	6.25	910.75	872.90	Artesian Zone
69505BB	1/29/2002	Uvalde	291137.84	994735.74	1.00	901.20	875.07	Artesian Zone
69506AA	1/28/2002	Uvalde	291135.50	994634.34	0.37	897.12	870.91	Artesian Zone
69511AA	1/30/2002	Uvalde	291429.78	994432.83	1.00	965.57	878.95	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-10. Water levels collected during the July 23 through August 2, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	7/31/2002	Atasca	291348.94	984755.96	1.00	711.86	689.01	Artesian Zone
6821802	7/25/2002	Bexar	293747.87	982728.33	1.58	989.71	818.30	Recharge Zone
6821806	7/30/2002	Bexar	293745.73	982654.56	2.38	950.66	788.56	Recharge Zone
6827307	7/30/2002	Bexar	293507.78	983750.92	1.10	990.74	882.64	Recharge Zone
6827401*	7/25/2002	Bexar	293310.23	984440.12	2.45	1,031.45	954.31	Recharge Zone
6827517	7/30/2002	Bexar	293358.60	984054.19	2.05	997.39	878.13	Recharge Zone
6827609	7/30/2002	Bexar	293404.55	983941.82	-0.33	960.54	816.75	Recharge Zone
6827610	7/30/2002	Bexar	293251.78	983808.31	2.11	902.05	765.33	Recharge Zone
6827611	7/30/2002	Bexar	293429.12	983738.55	-0.23	964.16	797.93	Recharge Zone
6827612	7/30/2002	Bexar	293403.40	983820.23	2.83	957.84	787.77	Recharge Zone
6828113	7/30/2002	Bexar	293516.48	983627.53	-0.45	1,022.33	831.40	Recharge Zone
6828210	7/30/2002	Bexar	293530.42	983433.97	-0.37	984.27	813.06	Recharge Zone
6828211	7/30/2002	Bexar	293516.12	983254.88	2.65	974.30	781.75	Recharge Zone
6828313	7/30/2002	Bexar	293635.42	983021.73	2.50	948.81	832.19	Recharge Zone
6828314	7/29/2002	Bexar	293534.92	983040.73	1.40	900.53	776.80	Recharge Zone
6828315	7/30/2002	Bexar	293611.27	983118.89	-0.17	946.75	831.92	Recharge Zone
6828406	7/30/2002	Bexar	293349.54	983558.21	0.80	978.72	754.02	Recharge Zone
6828407	7/29/2002	Bexar	293424.74	983508.18	-0.22	1,000.03	767.90	Recharge Zone
6828512	7/25/2002	Bexar	293425.39	983430.47	1.41	951.16	778.77	Recharge Zone
6828515	7/29/2002	Bexar	293347.72	983340.89	1.71	975.69	733.58	Recharge Zone
6828516	7/30/2002	Bexar	293339.23	983447.08	1.46	947.65	744.71	Recharge Zone
6828517	7/29/2002	Bexar	293435.68	983430.17	2.54	963.84	793.61	Recharge Zone
6828519	7/29/2002	Bexar	293408.41	983312.86	-0.30	926.84	734.16	Recharge Zone
6828608	7/31/2002	Bexar	293456.85	983048.92	1.90	858.08	799.98	Recharge Zone
6828909	8/1/2002	Bexar	293026.00	983132.00	1.50	783.03	694.93	Artesian Zone
6828920	7/30/2002	Bexar	293230.20	983038.66	0.75	924.96	714.15	Artesian Zone
6829103	7/26/2002	Bexar	293522.52	982916.82	0.61	952.51	721.30	Recharge Zone
6829112	7/29/2002	Bexar	293558.82	982848.38	2.38	889.00	772.38	Recharge Zone
6829113	7/29/2002	Bexar	293534.14	982828.20	1.52	885.91	749.43	Recharge Zone
6829213	7/29/2002	Bexar	293504.46	982708.79	1.30	851.86	709.56	Recharge Zone
6829214	7/29/2002	Bexar	293519.61	982541.04	-0.40	809.91	708.81	Recharge Zone
6829215	7/29/2002	Bexar	293537.05	982623.96	2.10	827.00	719.48	Recharge Zone
6829216	7/29/2002	Bexar	293642.71	982639.92	-0.40	923.70	768.77	Recharge Zone
6829217	7/29/2002	Bexar	293614.86	982623.39	-0.40	919.90	766.13	Recharge Zone
6829418	7/29/2002	Bexar	293455.95	982802.28	2.26	828.15	721.85	Recharge Zone
6829506	7/29/2002	Bexar	293428.56	982620.57	1.35	788.00	695.53	Recharge Zone
6829605	7/30/2002	Bexar	293300.14	982313.51	-2.20	808.08	686.90	Artesian Zone
6829611	8/1/2002	Bexar	293358.00	982307.00	2.80	829.80	683.15	Artesian Zone
6835103	8/1/2002	Bexar	292843.00	984346.00	5.33	993.03	732.13	Artesian Zone
6835202	7/31/2002	Bexar	292920.09	984126.72	1.40	848.57	731.56	Artesian Zone
6836206	8/1/2002	Bexar	292821.00	983253.00	4.20	756.23	695.08	Artesian Zone
6836901	7/23/2002	Bexar	292449.30	983056.77	3.21	637.24	691.93	Artesian Zone
6837103	8/1/2002	Bexar	292950.00	982913.00	1.00	729.53	691.03	Artesian Zone
6837203	7/29/2002	Bexar	292844.86	982557.39	0.30	730.81	688.70	Artesian Zone
6837304	7/24/2002	Bexar	292808.33	982301.84	2.30	702.68	688.64	Artesian Zone
6837521*	7/31/2002	Bexar	292505.56	982539.63	3.70	620.00	687.38	Saline Zone
6837522*	7/31/2002	Bexar	292506.39	982540.27	3.70	620.00	687.15	Saline Zone
6837523*	7/31/2002	Bexar	292505.99	982539.96	3.60	620.00	687.27	Saline Zone
6837524	7/31/2002	Bexar	292544.35	982640.13	4.10	626.00	691.46	Artesian Zone
6837525	7/31/2002	Bexar	292545.31	982600.94	5.00	624.00	688.23	Artesian Zone
6837526	7/31/2002	Bexar	292555.73	982607.33	2.90	642.00	684.21	Artesian Zone
6837527	7/31/2002	Bexar	292556.75	982607.36	3.40	641.00	688.08	Artesian Zone
6837606	7/30/2002	Bexar	292646.43	982440.21	0.90	677.68	678.79	Artesian Zone
6843402	7/23/2002	Bexar	291848.97	984251.53	1.42	698.44	689.44	Artesian Zone
68285AA*	7/31/2002	Bexar	293315.17	983348.73	1.50	886.78	699.24	Recharge Zone
68293AA	7/25/2002	Bexar	293606.23	982303.67	1.70	967.68	686.19	Artesian Zone
68299BB	7/31/2002	Bexar	293107.56	982444.35	0.50	724.78	683.91	Artesian Zone
68299CC	7/31/2002	Bexar	293100.42	982444.35	0.20	724.12	676.05	Artesian Zone
68302AA	7/24/2002	Bexar	293554.88	981912.77	1.09	780.74	675.54	Artesian Zone
68302BB	7/24/2002	Bexar	293555.87	981906.51	1.25	763.50	676.78	Artesian Zone
68302CC	7/24/2002	Bexar	293528.90	981949.80	1.00	783.84	676.57	Artesian Zone
68307AA	7/24/2002	Bexar	293104.54	982228.99	1.05	819.10	685.35	Artesian Zone
68377AA*	7/29/2002	Bexar	292439.52	982949.32	-2.70	610.00	665.65	Artesian Zone
68431AA	7/23/2002	Bexar	292157.44	984413.94	1.00	717.01	713.23	Artesian Zone
68437AA	7/23/2002	Bexar	291711.08	984331.52	3.10	639.33	690.97	Artesian Zone
68268AA*	8/1/2002	Bexar	293127.95	984731.38	3.2	1,040.00	711.15	Artesian Zone
6816602	7/30/2002	Comal	294738.93	980127.10	0.20	608.05	605.87	Saline Zone

Table A-10. Water levels collected during the July 23 through August 2, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6816701	7/30/2002	Comal	294526.19	980617.24	2.00	711.57	622.19	Transition Zone
6816703	7/30/2002	Comal	294513.18	980535.23	0.70	700.54	621.05	Transition Zone
6816801	7/30/2002	Comal	294712.36	980310.32	0.50	752.83	627.50	Saline Zone
6822807	7/29/2002	Comal	293919.79	981818.17	1.85	895.49	683.17	Recharge Zone
6823209	7/29/2002	Comal	294314.84	981044.39	0.83	862.03	630.45	Recharge Zone
6823210	7/29/2002	Comal	294252.26	981228.97	0.32	920.23	657.17	Recharge Zone
6823211	7/31/2002	Comal	294439.95	981017.86	1.32	783.32	644.34	Recharge Zone
6823302	7/29/2002	Comal	294248.87	980818.08	1.00	642.59	628.70	Recharge Zone
6823304	7/29/2002	Comal	294240.00	980818.00	0.36	626.17	643.14	Artesian Zone
6823316	7/29/2002	Comal	294316.92	980852.46	1.06	806.52	634.56	Recharge Zone
6823621	7/29/2002	Comal	294140.03	980933.02	0.87	670.81	645.51	Recharge Zone
6823701	7/29/2002	Comal	293856.00	981259.18	0.72	684.73	660.51	Transition Zone
6823807	7/30/2002	Comal	293958.91	981016.77	1.70	655.88	648.21	Artesian Zone
6824102	7/31/2002	Comal	294441.00	980626.56	2.95	640.88	624.15	Recharge Zone
6830208	7/29/2002	Comal	293636.78	981910.49	2.11	798.09	673.26	Transition Zone
6830312	7/29/2002	Comal	293646.10	981702.10	0.90	773.18	670.90	Artesian Zone
6830315	8/2/2002	Comal	293632.40	981723.74	2.35	782.22	670.93	Artesian Zone
68302AA	7/31/2002	Comal	293706.05	981935.69	1.25	804.79	678.52	Transition Zone
6830314	8/2/2002	Guadalupe	293609.47	981526.05	2.17	871.01	667.38	Artesian Zone
6831403*	8/2/2002	Guadalupe	293423.01	981346.11	2.09	709.08	678.24	Saline Zone
6831511*	8/2/2002	Guadalupe	293245.49	981209.56	2.06	674.00	668.51	Saline Zone
6831808*	8/2/2002	Guadalupe	293057.55	981104.95	2.89	648.92	648.80	Saline Zone
5842819	7/25/2002	Hays	301539.62	974903.26	N/A	672.94	476.04	Artesian Zone
5850221	7/25/2002	Hays	301331.61	974822.28	N/A	675.60	486.14	Artesian Zone
5850301	7/25/2002	Hays	301237.25	974653.70	N/A	652.21	508.21	Artesian Zone
5850417	7/25/2002	Hays	301142.54	975046.01	N/A	806.00	544.82	Artesian Zone
5850801	7/25/2002	Hays	300834.12	974838.72	N/A	662.08	596.10	Artesian Zone
5857903	7/25/2002	Hays	300218.59	975310.20	N/A	824.02	639.25	Artesian Zone
5858101	7/25/2002	Hays	300500.89	975033.50	N/A	707.25	606.78	Artesian Zone
5858123	7/25/2002	Hays	300633.95	975030.23	N/A	700.89	634.91	Artesian Zone
6701303*	1/30/2002	Hays	295923.14	975231.71	1.10	719.24	545.70	Transition Zone
6701311	8/2/2002	Hays	295853.15	975329.05	2.48	770.52	583.95	Transition Zone
6701701	8/1/2002	Hays	295342.03	975752.04	0.00	734.50	581.50	Transition Zone
6701809	7/31/2002	Hays	295442.91	975543.59	1.20	601.27	582.07	Recharge Zone
6702105*	8/2/2002	Hays	295729.88	975031.64	2.19	646.70	579.68	Saline Zone
6702106*	8/2/2002	Hays	295829.06	975125.61	2.17	678.28	581.93	Saline Zone
6709105	8/2/2002	Hays	295041.24	975903.06	2.50	692.23	588.79	Transition Zone
6709106	8/2/2002	Hays	295108.76	975913.76	1.32	699.66	588.75	Transition Zone
6709110	7/30/2002	Hays	295036.89	975856.09	1.88	678.88	589.13	Transition Zone
6709113	8/2/2002	Hays	295019.46	975926.65	1.69	704.73	589.08	Transition Zone
6709401*	8/2/2002	Hays	294945.30	975744.51	2.37	642.51	592.71	Saline Zone
6808902	8/2/2002	Hays	295347.28	980010.42	2.83	783.77	604.48	Recharge Zone
6816603	8/1/2002	Hays	294945.22	980058.37	2.76	736.91	591.83	Recharge Zone
58499SP	7/26/2002	Hays	300849.60	975348.77	N/A	766.88	711.72	Artesian Zone
58501W2*	7/25/2002	Hays	301335.06	975029.27	N/A	738.94	592.34	Artesian Zone
58573GC	7/26/2002	Hays	300551.31	975312.66	N/A	824.50	627.50	Artesian Zone
58575CR	7/26/2002	Hays	300420.65	975513.13	N/A	796.53	707.96	Recharge Zone
58584CT	7/26/2002	Hays	300336.71	975206.49	N/A	735.17	640.29	Recharge Zone
67014AA	8/2/2002	Hays	295517.74	975755.59	0.90	724.88	600.93	Recharge Zone
67017AA	7/31/2002	Hays	295410.80	975835.57	1.10	800.13	594.88	Recharge Zone
67017BB	8/2/2002	Hays	295430.94	975817.54	0.77	767.83	600.35	Recharge Zone
6701813A	8/2/2002	Hays	295328.06	975545.76	3.10	581.12	579.25	Saline Zone
67018BB	8/1/2002	Hays	295339.97	975546.02	1.16	585.03	578.77	Transition Zone
67018CC	8/1/2002	Hays	295337.00	975555.37	2.12	632.70	578.85	Transition Zone
67018DD	8/1/2002	Hays	295313.83	975658.65	1.00	750.96	581.46	Transition Zone
67018FF	7/31/2002	Hays	295409.70	975518.22	2.45	589.37	581.91	Recharge Zone
67091AA	8/2/002	Hays	295131.73	975934.12	0.41	748.41	587.78	Recharge Zone
67091BB	7/30/2002	Hays	295203.48	975807.78	0.55	646.44	592.60	Recharge Zone
67091CC	8/1/2002	Hays	295011.55	975938.17	4.75	732.90	588.95	Transition Zone
7038902*	7/31/2002	Kinney	292448.97	1001540.40	2.10	1,378.94	1,197.54	Recharge Zone
6826802	7/31/2002	Medina	293040.74	984829.98	1.20	1,006.17	833.06	Artesian Zone
6833604	7/30/2002	Medina	292519.87	985319.51	0.90	847.95	729.60	Artesian Zone
6834506	7/31/2002	Medina	292552.74	984846.64	0.85	1,043.46	722.79	Artesian Zone
6841301	7/30/2002	Medina	292118.16	985248.37	1.64	759.76	720.67	Artesian Zone
6842106	7/30/2002	Medina	292116.90	985114.72	1.00	774.98	724.30	Artesian Zone
6842112*	7/29/2002	Medina	292044.76	985056.68	2.90	762.60	695.95	Artesian Zone
6842502	7/31/2002	Medina	291838.01	984921.79	1.25	728.85	716.34	Artesian Zone

Table A-10. Water levels collected during the July 23 through August 2, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6937301	7/29/2002	Medina	292800.02	992302.84	1.73	1,166.22	865.80	Artesian Zone
6938601	7/29/2002	Medina	292618.74	991700.46	1.34	1,007.82	880.53	Artesian Zone
6938902	7/30/2002	Medina	292244.68	991636.63	0.78	942.32	784.44	Recharge Zone
6938906	7/30/2002	Medina	292319.18	991552.29	1.47	950.41	794.11	Artesian Zone
6939504	7/29/2002	Medina	292703.58	991141.60	1.65	1,021.14	883.18	Artesian Zone
6939801	8/1/2002	Medina	292318.83	991110.10	0.70	955.76	776.88	Recharge Zone
6939901	7/30/2002	Medina	292304.27	990914.08	1.13	932.48	770.69	Artesian Zone
6940101	7/29/2002	Medina	292935.75	990729.40	0.61	1,023.22	894.18	Artesian Zone
6940102	7/29/2002	Medina	292740.12	990701.62	2.50	966.60	850.46	Recharge Zone
6940202	7/29/2002	Medina	292801.71	990426.21	1.05	997.69	834.72	Recharge Zone
6940404	7/31/2002	Medina	292602.19	990718.34	1.15	935.18	795.18	Recharge Zone
6940901	7/29/2002	Medina	292433.94	990002.76	0.71	878.23	740.23	Artesian Zone
6946601	7/30/2002	Medina	291956.09	991644.17	0.89	884.40	779.34	Artesian Zone
6946602	7/30/2002	Medina	291900.58	991538.20	0.50	908.32	777.57	Artesian Zone
6947301	8/1/2002	Medina	292136.57	990937.05	0.92	915.82	741.67	Artesian Zone
6947306	7/31/2002	Medina	292046.75	990820.20	0.80	886.68	741.26	Artesian Zone
6947503	7/30/2002	Medina	291931.35	991227.60	0.86	884.78	744.67	Artesian Zone
6947602	7/31/2002	Medina	291918.00	990918.45	1.15	862.24	745.54	Artesian Zone
6947603	7/31/2002	Medina	291826.86	990858.49	1.60	844.01	745.29	Artesian Zone
6948102	7/31/2002	Medina	292104.10	990512.20	0.65	867.03	740.63	Artesian Zone
6948303	7/29/2002	Medina	292125.12	990051.43	2.55	1,007.08	734.67	Artesian Zone
6956507	8/1/2002	Medina	291018.32	990317.78	1.30	712.77	748.68	Artesian Zone
6956508	8/1/2002	Medina	291022.39	990326.61	1.75	699.92	747.81	Artesian Zone
6963103	7/29/2002	Medina	290639.91	991312.10	4.83	661.18	765.21	Artesian Zone
68339AA	7/30/2002	Medina	292216.49	985351.81	0.85	773.89	728.38	Artesian Zone
68415AA	7/29/2002	Medina	291839.74	985539.90	5.00	951.35	727.05	Artesian Zone
68416AA	7/30/2002	Medina	291942.04	985324.31	3.50	965.61	722.32	Artesian Zone
68419AA	7/30/2002	Medina	291639.82	985244.39	1.00	855.56	711.15	Artesian Zone
68422AA	7/30/2002	Medina	292213.28	984842.01	0.80	777.53	716.89	Artesian Zone
69396AA	7/30/2002	Medina	292606.12	990858.76	1.00	999.31	811.28	Recharge Zone
6946702-B	7/29/2002	Medina	291546.50	992122.73	2.00	949.73	780.07	Artesian Zone
69475AA	7/31/2002	Medina	291814.47	991054.76	0.74	860.15	745.62	Artesian Zone
6935401*	7/29/2002	Uvalde	292630.68	994456.96	1.00	1,289.97	1,209.54	Recharge Zone
6935602*	7/31/2002	Uvalde	292645.21	993955.12	0.50	1,149.72	1,111.62	Recharge Zone
6935804*	7/31/2002	Uvalde	292340.20	994207.76	0.00	1,153.44	1,033.91	Recharge Zone
6936402	7/31/2002	Uvalde	292508.17	993634.36	2.60	1,096.34	802.76	Artesian Zone
6936601	7/31/2002	Uvalde	292532.31	993058.54	0.07	1,072.36	813.49	Artesian Zone
6942709	7/31/2002	Uvalde	291625.04	995146.26	1.80	1,005.63	903.83	Artesian Zone
6943409	7/31/2002	Uvalde	291926.07	994249.71	1.70	1,056.46	883.98	Artesian Zone
6943607	7/31/2002	Uvalde	291935.42	993819.05	2.00	1,009.65	811.12	Artesian Zone
6943903	7/29/2002	Uvalde	291559.24	993856.72	1.25	954.83	896.72	Artesian Zone
6944108	7/31/2002	Uvalde	292204.37	993621.36	2.50	1,040.63	802.22	Artesian Zone
6944301	7/31/2002	Uvalde	292110.57	993048.07	1.15	1,001.93	791.85	Artesian Zone
6944703*	7/30/2002	Uvalde	291526.72	993510.46	1.10	934.41	764.81	Artesian Zone
6944804	7/30/2002	Uvalde	291726.32	993421.98	1.50	952.67	796.60	Artesian Zone
6944902	7/29/2002	Uvalde	291611.24	993018.97	2.48	899.91	787.56	Artesian Zone
6945401	7/30/2002	Uvalde	291909.99	992811.63	0.70	953.79	783.22	Artesian Zone
6950302	7/29/2002	Uvalde	291231.48	994703.73	2.40	904.90	877.60	Artesian Zone
6951401	7/30/2002	Uvalde	291027.83	994403.39	1.36	891.30	851.59	Saline Zone
6951602	7/30/2002	Uvalde	291032.62	993937.83	0.90	863.36	827.80	Saline Zone
6951606*	7/29/2002	Uvalde	291135.05	993756.38	2.08	877.55	732.87	Saline Zone
6952202	7/29/2002	Uvalde	291442.62	993258.49	2.76	874.02	786.74	Artesian Zone
6952403	7/30/2002	Uvalde	291156.01	993700.85	0.00	875.11	760.71	Saline Zone
6952404*	7/29/2002	Uvalde	291132.99	993637.63	2.77	867.02	741.09	Saline Zone
6953701	7/30/2002	Uvalde	290849.98	992841.32	1.80	748.03	782.64	Artesian Zone
7040901*	7/31/2002	Uvalde	292340.41	100008.35	0.84	1,124.27	1,081.21	Recharge Zone
69369AA	7/29/2002	Uvalde	292249.34	992939.57	0.82	1,028.59	796.18	Artesian Zone
69438AA	7/30/2002	Uvalde	291716.98	994158.31	0.91	976.58	872.40	Artesian Zone
69439AA	7/29/2002	Uvalde	291558.33	993811.03	0.56	947.76	891.62	Artesian Zone
69443AA	7/31/2002	Uvalde	292024.08	993110.66	1.42	988.44	791.34	Artesian Zone
69493AA	7/31/2002	Uvalde	291438.97	995235.57	0.30	968.16	901.61	Artesian Zone
69502AA	7/30/2002	Uvalde	291237.94	994907.37	0.83	913.08	880.01	Artesian Zone
69502BB	7/30/2002	Uvalde	291429.99	994901.47	0.39	931.63	886.04	Artesian Zone
69502CC	7/30/2002	Uvalde	291234.50	994834.37	2.65	910.31	878.77	Artesian Zone
69502DD	7/31/2002	Uvalde	291412.88	994938.83	0.00	941.30	887.84	Artesian Zone
69503AA	7/30/2002	Uvalde	291444.86	994726.72	0.55	956.79	882.60	Artesian Zone
69503BB	7/31/2002	Uvalde	291448.95	994524.53	0.70	964.16	881.10	Artesian Zone

Table A-10. Water levels collected during the July 23 through August 2, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
69503CC	7/31/2002	Uvalde	291300.13	994519.22	0.80	930.35	878.48	Artesian Zone
69505AA	7/30/2002	Uvalde	291127.50	994955.14	6.25	910.75	873.88	Artesian Zone
69505BB	7/30/2002	Uvalde	291137.84	994735.74	1.00	901.20	875.44	Artesian Zone
69506AA	7/30/2002	Uvalde	291135.50	994634.34	0.37	897.12	871.54	Artesian Zone
69511AA	7/29/2002	Uvalde	291429.78	994432.83	1.00	965.57	878.66	Artesian Zone

Note "" Well visited and water level measured, but not used in potentiometric map.

Table A-11. Water levels collected during the November 12 through November 19, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	11/12/2002	Atascosa	291348.94	984755.96	1.00	711.86	699.65	Artesian Zone
6821802	11/13/2002	Bexar	293747.87	982728.33	1.58	989.71	781.69	Recharge Zone
6821806	11/15/2002	Bexar	293745.73	982654.56	2.38	950.66	777.84	Recharge Zone
6827307	11/15/2002	Bexar	293507.78	983750.92	1.10	990.74	872.03	Recharge Zone
6827401	11/19/2002	Bexar	293310.23	984440.12	2.45	#####	926.58	Recharge Zone
6827517	11/15/2002	Bexar	293358.60	984054.19	2.05	997.39	860.82	Recharge Zone
6827609	11/15/2002	Bexar	293404.55	983941.82	-0.33	960.54	834.45	Recharge Zone
6827610	11/15/2002	Bexar	293251.78	983808.31	2.11	902.05	794.60	Recharge Zone
6827611	11/15/2002	Bexar	293429.12	983738.55	-0.23	964.16	822.77	Recharge Zone
6827612	11/15/2002	Bexar	293403.40	983820.23	2.83	957.84	827.89	Recharge Zone
6828113	11/14/2002	Bexar	293516.48	983627.53	-0.45	#####	842.94	Recharge Zone
6828210	11/14/2002	Bexar	293530.42	983433.97	-0.37	984.27	848.04	Recharge Zone
6828211	11/19/2002	Bexar	293516.12	983254.88	2.65	974.30	792.32	Recharge Zone
6828313	11/20/2002	Bexar	293635.42	983021.73	2.50	948.81	788.92	Recharge Zone
6828314	11/14/2002	Bexar	293534.92	983040.73	1.40	900.53	767.91	Recharge Zone
6828406	11/15/2002	Bexar	293349.54	983558.21	0.80	978.72	785.16	Recharge Zone
6828407	11/14/2002	Bexar	293424.74	983508.18	-0.22	#####	791.85	Recharge Zone
6828512	11/13/2002	Bexar	293425.39	983430.47	1.41	951.16	799.52	Recharge Zone
6828515	11/14/2002	Bexar	293347.72	983340.89	1.71	975.69	742.51	Recharge Zone
6828516	11/15/2002	Bexar	293339.23	983447.08	1.46	947.65	761.60	Recharge Zone
6828517	11/14/2002	Bexar	293435.68	983430.17	2.54	963.84	819.22	Recharge Zone
6828518	11/19/2002	Bexar	293438.48	983241.66	2.45	926.61	780.52	Recharge Zone
6828519	11/14/2002	Bexar	293408.41	983312.86	-0.30	926.84	749.38	Recharge Zone
6828608	11/14/2002	Bexar	293456.85	983048.92	1.90	858.08	782.64	Recharge Zone
6828909	11/18/2002	Bexar	293026.00	983132.00	1.50	783.03	704.57	Artesian Zone
6828920	11/14/2002	Bexar	293230.20	983038.66	0.75	924.96	721.19	Artesian Zone
6828921	11/18/2002	Bexar	293015.00	983222.00	1.10	823.44	705.96	Artesian Zone
6829103	11/15/2002	Bexar	293522.52	982916.82	0.61	952.51	731.30	Recharge Zone
6829112	11/14/2002	Bexar	293558.82	982848.38	2.38	889.00	770.15	Recharge Zone
6829113	11/14/2002	Bexar	293534.14	982828.20	1.52	885.91	761.61	Recharge Zone
6829213	11/14/2002	Bexar	293504.46	982708.79	1.30	851.86	724.92	Recharge Zone
6829214	11/14/2002	Bexar	293519.61	982541.04	-0.40	809.91	724.44	Recharge Zone
6829215	11/14/2002	Bexar	293537.05	982623.96	2.10	827.00	732.82	Recharge Zone
6829216	11/14/2002	Bexar	293642.71	982639.92	-0.40	923.70	771.80	Recharge Zone
6829217	11/14/2002	Bexar	293614.86	982623.39	-0.40	919.90	770.89	Recharge Zone
6829418	11/14/2002	Bexar	293455.95	982802.28	2.26	828.15	739.74	Recharge Zone
6829506	11/14/2002	Bexar	293428.56	982620.57	1.35	788.00	707.16	Recharge Zone
6829605	11/15/2002	Bexar	293300.14	982313.51	-2.20	808.08	694.06	Artesian Zone
6829611	11/18/2002	Bexar	293358.00	982307.00	2.80	829.80	691.68	Artesian Zone
6835202	11/15/2002	Bexar	292920.09	984126.72	1.40	848.57	744.59	Artesian Zone
6836103*	11/18/2002	Bexar	292918.00	983603.00	2.16	907.26	641.14	Artesian Zone
6836206	11/18/2002	Bexar	292821.00	983253.00	4.20	756.23	706.04	Artesian Zone
6836901	11/12/2002	Bexar	292449.30	983056.77	3.21	637.24	700.02	Artesian Zone
6837103	11/18/2002	Bexar	292950.00	982913.00	1.00	729.53	699.53	Artesian Zone
6837203	11/12/2002	Bexar	292844.86	982557.39	0.30	730.81	696.62	Artesian Zone
6837304	11/15/2002	Bexar	292808.33	982301.84	2.30	702.68	696.80	Artesian Zone
6837521	11/13/2002	Bexar	292505.56	982539.63	3.70	620.00	692.69	Saline Zone
6837522	11/13/2002	Bexar	292506.39	982540.27	3.70	620.00	696.74	Saline Zone
6837523	11/13/2002	Bexar	292505.99	982539.96	3.60	620.00	694.20	Saline Zone
6837524	11/13/2002	Bexar	292544.35	982640.13	4.10	626.00	698.39	Artesian Zone
6837525	11/13/2002	Bexar	292545.31	982600.94	5.00	624.00	694.46	Artesian Zone
6837526	11/13/2002	Bexar	292555.73	982607.33	2.90	642.00	695.48	Artesian Zone
6837527	11/13/2002	Bexar	292556.75	982607.36	3.40	641.00	696.62	Artesian Zone
6843402	11/2/2002	Bexar	291848.97	984251.53	1.42	698.44	710.90	Artesian Zone
6843606	11/12/2002	Bexar	291910.97	983912.00	1.83	619.96	707.85	Artesian Zone
6843607*	11/12/2002	Bexar	291845.83	983348.73	2.59	606.96	682.51	Saline Zone
68293AA	11/13/2002	Bexar	293606.23	982303.67	1.70	967.68	698.26	Artesian Zone
68299BB	11/15/2002	Bexar	293107.56	982444.35	0.50	724.78	693.03	Artesian Zone
68299CC	11/15/2002	Bexar	293100.42	982444.35	0.20	724.12	692.89	Artesian Zone
68302AA	11/15/2002	Bexar	293554.88	981912.77	1.09	780.74	682.96	Artesian Zone
68302BB	11/15/2002	Bexar	293555.87	981906.51	1.25	763.50	684.25	Artesian Zone
68302CC	11/15/2002	Bexar	293528.90	981949.80	1.00	783.84	684.01	Artesian Zone
68307AA	11/15/2002	Bexar	293104.54	982228.99	1.05	819.10	692.05	Artesian Zone
68377AA	11/12/2002	Bexar	292439.52	982949.32	-2.70	610.00	695.78	Artesian Zone
68437AA	11/12/2002	Bexar	291711.08	984331.52	3.10	639.33	708.30	Artesian Zone
6815902	11/15/2002	Comal	294532.81	980824.17	2.13	659.76	628.54	Recharge Zone
6815907	11/15/2002	Comal	294516.81	980822.39	1.60	706.48	641.21	Recharge Zone

Table A-11. Water levels collected during the November 12 through November 19, 2002 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6815912	11/15/2002	Comal	294516.23	980827.60	1.20	693.79	643.55	Recharge Zone
6816602	11/12/2002	Comal	294738.93	980127.10	0.20	608.05	603.64	Saline Zone
6816701	11/12/2002	Comal	294526.19	980617.24	2.00	711.57	625.77	Transition Zone
6816703	11/12/2002	Comal	294513.18	980535.23	0.70	700.54	621.71	Transition Zone
6816801*	11/12/2002	Comal	294712.36	980310.32	0.50	752.83	631.10	Saline Zone
6822807	11/12/2002	Comal	293919.79	981818.17	1.85	895.49	685.94	Recharge Zone
6822810	11/12/2002	Comal	293936.98	981825.52	1.30	889.43	697.35	Transition Zone
6823208	11/13/2002	Comal	294405.65	981140.01	0.25	887.63	664.55	Recharge Zone
6823209	11/15/2002	Comal	294314.84	981044.39	0.83	862.03	650.27	Recharge Zone
6823210	11/13/2002	Comal	294252.26	981228.97	0.32	920.23	661.65	Recharge Zone
6823211	11/13/2002	Comal	294439.95	981017.86	1.32	783.32	651.44	Recharge Zone
6823302	11/15/2002	Comal	294248.87	980818.08	1.00	642.59	630.00	Recharge Zone
6823304	11/15/2002	Comal	294240.00	980818.00	0.36	626.17	647.44	Artesian Zone
6823306	11/13/2002	Comal	294446.34	980914.21	0.10	807.67	645.69	Recharge Zone
6823316	11/15/2002	Comal	294316.92	980852.46	1.06	806.52	636.50	Recharge Zone
6823502	11/13/2002	Comal	294056.25	981036.24	1.65	679.52	659.04	Recharge Zone
6823621	11/13/2002	Comal	294140.03	980933.02	0.87	670.81	650.62	Recharge Zone
6823701	11/15/2002	Comal	293856.00	981259.18	0.72	684.73	667.22	Artesian Zone
6823807	11/13/2002	Comal	293958.91	981016.77	1.70	655.88	654.18	Artesian Zone
6824102	11/14/2002	Comal	294441.00	980626.56	2.95	640.88	625.38	Recharge Zone
6830208	11/12/2002	Comal	293636.78	981910.49	2.11	798.09	684.38	Artesian Zone
6830226	1/29/2002	Comal	293654.49	981901.74	1.58	827.31	670.81	Artesian Zone
6830312	11/12/2002	Comal	293646.10	981702.10	0.90	773.18	678.96	Artesian Zone
6830315	11/14/2002	Comal	293632.40	981723.74	2.35	782.22	679.69	Artesian Zone
68241AA	11/14/2002	Comal	294452.19	980659.64	1.60	683.75	624.77	Recharge Zone
68302AA	11/12/2002	Comal	293706.05	981935.69	1.25	804.79	688.56	Recharge Zone
6830314	11/14/2002	Guadalupe	293609.47	981526.05	2.17	871.01	676.50	Artesian Zone
6831403*	11/14/2002	Guadalupe	293423.01	981346.11	2.09	709.08	687.75	Saline Zone
6831511*	11/14/2002	Guadalupe	293245.49	981209.56	2.06	674.00	675.82	Saline Zone
6831808*	11/14/2002	Guadalupe	293057.55	981104.95	2.89	648.92	653.67	Saline Zone
5842819	11/18/2002	Hays	301539.62	974903.26	N/A	672.94	471.82	Artesian Zone
5850221	11/18/2002	Hays	301331.61	974822.28	N/A	675.60	482.95	Artesian Zone
5850301	11/13/2002	Hays	301237.25	974653.70	N/A	652.21	508.64	Artesian Zone
5850417	11/18/2002	Hays	301142.54	975046.01	N/A	806.00	545.59	Artesian Zone
5850801	11/12/2002	Hays	300834.12	974838.72	N/A	662.08	593.98	Artesian Zone
5857903	11/19/2002	Hays	300218.59	975310.20	N/A	824.02	645.20	Artesian Zone
5858101	11/18/2002	Hays	300500.89	975033.50	N/A	707.25	638.97	Artesian Zone
5858123	11/18/2002	Hays	300633.95	975030.23	N/A	700.89	618.54	Artesian Zone
6701303	11/18/2002	Hays	295923.14	975231.71	1.10	719.24	581.10	Transition Zone
6701311	11/14/2002	Hays	295853.15	975329.05	2.48	770.52	593.79	Transition Zone
6701701	11/18/2002	Hays	295342.03	975752.04	0.00	734.50	585.41	Transition Zone
6701809	11/12/2002	Hays	295442.91	975543.59	1.20	601.27	582.56	Recharge Zone
6702104*	11/14/2002	Hays	295858.05	975217.51	2.61	674.32	586.55	Saline Zone
6702105	11/14/2002	Hays	295729.88	975031.64	2.19	646.70	580.80	Saline Zone
6702106*	11/14/2002	Hays	295829.06	975125.61	2.17	678.28	586.22	Saline Zone
6709110	11/12/2002	Hays	295036.89	975856.09	1.88	678.88	589.30	Transition Zone
6709113	11/14/2002	Hays	295019.46	975926.65	1.69	704.73	589.49	Transition Zone
6709401	11/14/2002	Hays	294945.30	975744.51	2.37	642.51	593.66	Saline Zone
6808902	11/15/2002	Hays	295347.28	980010.42	2.83	783.77	602.01	Recharge Zone
6816603	11/13/2002	Hays	294945.22	980058.37	2.76	736.91	585.17	Recharge Zone
58499SP	11/18/2002	Hays	300849.60	975348.77	N/A	766.88	712.08	Artesian Zone
58501W2*	11/18/2002	Hays	301335.06	975029.27	N/A	738.94	589.55	Artesian Zone
58573GC	11/18/2002	Hays	300551.31	975312.66	N/A	824.50	637.59	Artesian Zone
58575CR	11/18/2002	Hays	300420.65	975513.13	N/A	796.53	713.90	Recharge Zone
58584CT	11/19/2002	Hays	300336.71	975206.49	N/A	735.17	649.60	Recharge Zone
67014AA	11/12/2002	Hays	295517.74	975755.59	0.90	724.88	592.98	Recharge Zone
67017AA	11/15/2002	Hays	295410.80	975835.57	1.10	800.13	588.44	Recharge Zone
67017BB	11/12/2002	Hays	295430.94	975817.54	0.77	767.83	591.44	Recharge Zone
6701813A	11/18/2002	Hays	295328.06	975545.76	3.10	581.12	579.72	Saline Zone
67018BB	11/15/2002	Hays	295339.97	975546.02	1.16	585.03	579.05	Transition Zone
67018CC	11/15/2002	Hays	295337.00	975555.37	2.12	632.70	579.08	Transition Zone
67018DD	11/15/2002	Hays	295313.83	975658.65	1.00	750.96	581.74	Transition Zone
67018EE	11/18/2002	Hays	295429.40	975509.52	2.05	609.92	582.29	Transition Zone
67018FF	11/12/2002	Hays	295409.70	975518.22	2.45	589.37	582.34	Recharge Zone
67091AA	11/13/2002	Hays	295131.73	975934.12	0.41	748.41	588.32	Recharge Zone
67091BB	11/15/2002	Hays	295203.48	975807.78	0.55	646.44	594.24	Recharge Zone
67091CC	11/13/2002	Hays	295011.55	975938.17	4.75	732.90	588.94	Transition Zone

Table A-12. Water levels collected during the February 3 through February 7, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	2/3/2003	Atascosa	291348.94	984755.96	1.00	711.86	697.69	Artesian Zone
6821802	2/4/2003	Bexar	293747.87	982728.33	1.58	989.71	765.23	Recharge Zone
6821806	2/3/2003	Bexar	293745.73	982654.56	2.38	950.66	767.43	Recharge Zone
6827307	2/5/2003	Bexar	293507.78	983750.92	1.10	990.74	853.91	Recharge Zone
6827401	2/4/2003	Bexar	293310.23	984440.12	2.45	1,031.45	863.34	Recharge Zone
6827517	2/5/2003	Bexar	293358.60	984054.19	2.05	997.39	835.26	Recharge Zone
6827609	2/5/2003	Bexar	293404.55	983941.82	-0.33	960.54	826.80	Recharge Zone
6827610	2/5/2003	Bexar	293251.78	983808.31	2.11	902.05	793.62	Recharge Zone
6827611	2/5/2003	Bexar	293429.12	983738.55	-0.23	964.16	822.46	Recharge Zone
6827612	2/5/2003	Bexar	293403.40	983820.23	2.83	957.84	823.39	Recharge Zone
6828113	2/4/2003	Bexar	293516.48	983627.53	-0.45	1,022.33	842.92	Recharge Zone
6828210	2/4/2003	Bexar	293530.42	983433.97	-0.37	984.27	845.70	Recharge Zone
6828211	2/4/2003	Bexar	293516.12	983254.88	2.65	974.30	799.90	Recharge Zone
6828313	2/4/2003	Bexar	293635.42	983021.73	2.50	948.81	769.68	Recharge Zone
6828314	2/5/2003	Bexar	293534.92	983040.73	1.40	900.53	761.60	Recharge Zone
6828406	2/5/2003	Bexar	293349.54	983558.21	0.80	978.72	791.74	Recharge Zone
6828512	2/4/2003	Bexar	293425.39	983430.47	1.41	951.16	811.25	Recharge Zone
6828515	2/4/2003	Bexar	293347.72	983340.89	1.71	975.69	753.71	Recharge Zone
6828516	2/5/2003	Bexar	293339.23	983447.08	1.46	947.65	775.26	Recharge Zone
6828517	2/4/2003	Bexar	293435.68	983430.17	2.54	963.84	826.65	Recharge Zone
6828519	2/4/2003	Bexar	293408.41	983312.86	-0.30	926.84	748.68	Recharge Zone
6828608	2/6/2003	Bexar	293456.85	983048.92	1.90	858.08	761.99	Recharge Zone
6828909	2/5/2003	Bexar	293026.00	983132.00	1.90	783.03	700.37	Recharge Zone
6828920	2/6/2003	Bexar	293230.20	983038.66	0.75	924.96	711.50	Artesian Zone
6828921	2/5/2003	Bexar	293015.00	983222.00	1.10	823.44	701.54	Artesian Zone
6829103	2/5/2003	Bexar	293522.52	982916.82	0.61	952.51	738.59	Recharge Zone
6829112	2/5/2003	Bexar	293558.82	982848.38	2.38	889.00	762.45	Recharge Zone
6829113	2/5/2003	Bexar	293534.14	982828.20	1.52	885.91	761.41	Recharge Zone
6829213	2/5/2003	Bexar	293504.46	982708.79	1.30	851.86	726.01	Recharge Zone
6829214	2/5/2003	Bexar	293519.61	982541.04	-0.40	809.91	726.83	Recharge Zone
6829215	2/5/2003	Bexar	293537.05	982623.96	2.10	827.00	734.18	Recharge Zone
6829216	2/5/2003	Bexar	293642.71	982639.92	-0.40	923.70	763.15	Recharge Zone
6829217	2/5/2003	Bexar	293614.86	982623.39	-0.40	919.90	762.82	Recharge Zone
6829418	2/5/2003	Bexar	293455.95	982802.28	2.26	828.15	741.94	Recharge Zone
6829506	2/6/2003	Bexar	293428.56	982620.57	1.35	788.00	705.00	Recharge Zone
6829605	2/5/2003	Bexar	293300.14	982313.51	-2.20	808.08	689.98	Artesian Zone
6829611	2/5/2003	Bexar	293358.00	982307.00	2.80	829.80	689.70	Artesian Zone
6835202	2/7/2003	Bexar	292920.09	984126.72	1.40	848.57	729.75	Artesian Zone
6836103*	2/5/2003	Bexar	292918.00	983603.00	6.58	907.26	683.07	Artesian Zone
6836107	2/7/2003	Bexar	292918.90	983639.94	3.80	878.20	703.90	Artesian Zone
6836206	2/5/2003	Bexar	292821.00	983253.00	4.20	756.23	700.46	Artesian Zone
6836901	2/3/2003	Bexar	292449.30	983056.77	3.21	637.24	697.71	Artesian Zone
6837103	2/5/2003	Bexar	292950.00	982913.00	1.00	729.53	696.55	Artesian Zone
6837203	2/4/2003	Bexar	292844.86	982557.39	0.30	730.81	696.62	Artesian Zone
6837304	2/7/2003	Bexar	292808.33	982301.84	2.30	702.68	688.35	Artesian Zone
6837521*	2/4/2003	Bexar	292505.56	982539.63	3.85	620.00	681.60	Saline Zone
6837522*	2/4/2003	Bexar	292506.39	982540.27	3.97	620.00	684.03	Saline Zone
6837523*	2/4/2003	Bexar	292505.99	982539.96	3.74	620.00	681.49	Saline Zone
6837524*	2/4/2003	Bexar	292544.35	982640.13	4.24	626.00	685.68	Artesian Zone
6837525	2/4/2003	Bexar	292545.31	982600.94	5.32	624.00	682.22	Artesian Zone
6837526	2/4/2003	Bexar	292555.73	982607.33	4.97	646.17	697.34	Artesian Zone
6837527	2/4/2003	Bexar	292556.75	982607.36	4.34	644.08	696.93	Artesian Zone
6837606	2/5/2003	Bexar	292646.43	982440.21	0.90	677.68	678.37	Artesian Zone
6843402	2/3/2003	Bexar	291848.97	984251.53	1.42	698.44	714.37	Artesian Zone
6843606	2/3/2003	Bexar	291910.97	983912.00	1.83	619.96	702.08	Artesian Zone
68285AA*	2/7/2003	Bexar	293315.17	983348.73	1.50	886.78	704.05	Recharge Zone
68293AA	2/4/2003	Bexar	293606.23	982303.67	1.70	967.68	699.63	Artesian Zone
68299BB	2/6/2003	Bexar	293107.56	982444.35	0.50	724.78	689.71	Artesian Zone
68299CC	2/6/2003	Bexar	293100.42	982444.35	0.20	724.12	689.01	Artesian Zone
68302AA	2/7/2003	Bexar	293554.88	981912.77	1.09	780.74	679.67	Artesian Zone
68302BB	2/7/2003	Bexar	293555.87	981906.51	1.25	763.50	681.05	Artesian Zone
68307AA	2/7/2003	Bexar	293104.54	982228.99	1.05	819.10	688.14	Artesian Zone
68377AA*	2/3/2003	Bexar	292439.52	982949.32	-2.70	610.00	723.40	Artesian Zone
68437AA	2/3/2003	Bexar	291711.08	984331.52	3.10	639.33	705.99	Artesian Zone
6815903	2/6/2003	Comal	294527.39	980828.28	0.00	676.86	642.37	Recharge Zone
6815907	2/6/2003	Comal	294516.81	980822.39	1.45	706.48	641.86	Recharge Zone
6815912	2/6/2003	Comal	294516.23	980827.60	1.53	693.79	642.82	Recharge Zone
6816602	2/3/2003	Comal	294738.93	980127.10	0.20	608.05	605.85	Artesian Zone

Table A-12. Water levels collected during the February 3 through February 7, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6816701	2/4/2003	Comal	294526.19	980617.24	2.00	711.57	622.61	Transition Zone
6816801	2/4/2003	Comal	294712.36	980310.32	0.50	752.83	625.72	Transition Zone
6823208	2/6/2003	Comal	294405.65	981140.01	0.25	887.63	667.34	Transition Zone
6823211	2/6/2003	Comal	294439.95	981017.86	1.32	783.32	647.97	Recharge Zone
6823302	2/4/2003	Comal	294248.87	980818.08	1.00	642.59	629.74	Recharge Zone
6823304	2/4/2003	Comal	294240.00	980818.00	0.36	626.17	646.53	Recharge Zone
6823306	2/6/2003	Comal	294446.34	980914.21	0.10	807.67	644.79	Artesian Zone
6823316	2/4/2003	Comal	294316.92	980852.46	1.06	806.52	635.49	Recharge Zone
6823502	2/5/2003	Comal	294056.25	981036.24	1.65	679.52	653.93	Recharge Zone
6823621	2/4/2003	Comal	294140.03	980933.02	0.87	670.81	649.84	Recharge Zone
6823701	2/4/2003	Comal	293856.00	981259.18	0.72	684.73	665.27	Recharge Zone
6823807	2/4/2003	Comal	293958.91	981016.77	1.70	655.88	653.97	Recharge Zone
6824102	2/4/2003	Comal	294441.00	980626.56	2.95	640.88	624.40	Artesian Zone
6830312	2/5/2003	Comal	293646.10	981702.10	0.90	773.18	675.74	Recharge Zone
6830315	2/6/2003	Comal	293632.40	981723.74	2.35	782.22	676.77	Artesian Zone
6823616A	2/6/2003	Comal	294215.64	980759.07	2.40	635.42	646.96	Artesian Zone
6823619B	2/6/2003	Comal	294226.60	980810.51	2.30	634.41	648.25	Saline Zone
68241AA	2/6/2003	Comal	294452.19	980659.64	1.60	683.75	622.85	Artesian Zone
6830314	2/6/2003	Guadalupe	293609.47	981526.05	2.17	871.01	677.66	Recharge Zone
6831403*	2/6/2003	Guadalupe	293423.01	981346.11	2.09	709.08	685.87	Artesian Zone
6831511*	2/6/2003	Guadalupe	293245.49	981209.56	2.06	674.00	676.77	Saline Zone
6831808*	2/6/2003	Guadalupe	293057.55	981104.95	2.89	648.92	656.66	Saline Zone
5842819	2/4/2003	Hays	301539.62	974903.26	N/A	672.94	470.34	Saline Zone
5850221	2/4/2003	Hays	301331.61	974822.28	N/A	675.60	502.59	Artesian Zone
5850301	2/4/2003	Hays	301237.25	974653.70	N/A	652.21	524.03	Artesian Zone
5850417	2/4/2003	Hays	301142.54	975046.01	N/A	806.00	556.58	Artesian Zone
5850801	2/4/2003	Hays	300834.12	974838.72	N/A	662.08	611.88	Recharge Zone
5857903	2/4/2003	Hays	300218.59	975310.20	N/A	824.02	654.94	Artesian Zone
5858101	2/4/2003	Hays	300500.89	975033.50	N/A	707.25	632.36	Artesian Zone
5858123	2/4/2003	Hays	300633.95	975030.23	N/A	700.89	631.82	Artesian Zone
6701303	2/4/2003	Hays	295923.14	975231.71	1.10	719.24	599.94	Artesian Zone
6701311	2/6/2003	Hays	295853.15	975329.05	2.48	770.52	606.84	Artesian Zone
6701701	2/5/2003	Hays	295342.03	975752.04	0.00	734.50	581.77	Transition Zone
6701809	2/5/2003	Hays	295442.91	975543.59	1.20	601.27	581.36	Transition Zone
6701812	2/5/2003	Hays	295325.71	975542.13	2.89	580.89	579.97	Recharge Zone
6702104	2/6/2003	Hays	295858.05	975217.51	2.61	674.32	597.26	Saline Zone
6702105	2/6/2003	Hays	295729.88	975031.64	2.19	646.70	583.11	Recharge Zone
6702106	2/6/2003	Hays	295829.06	975125.61	2.17	678.28	591.60	Recharge Zone
6709105	2/4/2003	Hays	295041.24	975903.06	2.50	692.23	581.13	Recharge Zone
6709106	2/4/2003	Hays	295108.76	975913.76	1.32	699.66	586.01	Transition Zone
6709113	2/6/2003	Hays	295019.46	975926.65	1.69	704.73	586.37	Transition Zone
6709401	2/6/2003	Hays	294945.30	975744.51	2.37	642.51	594.60	Transition Zone
6808902	2/5/2003	Hays	295347.28	980010.42	2.83	783.77	594.56	Transition Zone
6816603*	2/4/2003	Hays	294945.22	980058.37	2.76	736.91	583.29	Recharge Zone
58501W2*	2/4/2003	Hays	301335.06	975029.27	N/A	738.94	588.90	Recharge Zone
58573GC	2/4/2003	Hays	300551.31	975312.66	N/A	824.50	652.93	Artesian Zone
58575CR	2/4/2003	Hays	300420.65	975513.13	N/A	796.53	712.10	Artesian Zone
58584CT	2/4/2003	Hays	300336.71	975206.49	N/A	735.17	660.05	Recharge Zone
67014AA	2/5/2003	Hays	295517.74	975755.59	0.90	724.88	591.74	Recharge Zone
67017BB	2/5/2003	Hays	295430.94	975817.54	0.77	767.83	593.14	Recharge Zone
6701813A	2/5/2003	Hays	295328.06	975545.76	3.10	581.12	580.13	Recharge Zone
6701813B	2/5/2003	Hays	295328.06	975545.76	3.08	581.12	580.16	Saline Zone
6701814B	2/5/2003	Hays	295330.58	975551.08	6.40	575.54	576.83	Saline Zone
67018BB	2/4/2003	Hays	295339.97	975546.02	1.25	585.03	578.17	Saline Zone
67018CC	2/4/2003	Hays	295337.00	975555.37	2.12	632.70	578.12	Transition Zone
67018DD	2/4/2003	Hays	295313.83	975658.65	1.00	750.96	579.90	Transition Zone
67018EE	2/5/2003	Hays	295429.40	975509.52	2.05	609.92	581.14	Transition Zone
67018FF	2/4/2003	Hays	295409.70	975518.22	2.45	589.37	581.21	Transition Zone
67091AA	2/5/2003	Hays	295131.73	975934.12	0.41	748.41	585.29	Recharge Zone
67091BB	2/4/2003	Hays	295203.48	975807.78	0.55	646.44	603.34	Recharge Zone
67091CC	2/4/2003	Hays	295011.55	975938.17	4.75	732.90	586.34	Recharge Zone
7038902*	2/3/2003	Kinney	292448.97	1001540.40	2.10	1,378.94	1,194.50	Transition Zone
6833102	2/6/2003	Medina	292820.24	985746.88	1.00	968.23	859.91	Transition Zone
6833604	2/3/2003	Medina	292519.87	985319.51	0.90	847.95	741.61	Recharge Zone
6834506	2/3/2003	Medina	292552.74	984846.64	0.85	1,043.46	729.56	Artesian Zone
6841301	2/3/2003	Medina	292118.16	985248.37	1.64	759.76	729.50	Artesian Zone
6842106	2/4/2003	Medina	292116.90	985114.72	1.00	774.98	732.89	Artesian Zone

Table A-12. Water levels collected during the February 3 through February 7, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6842112*	2/3/2003	Medina	292044.76	985056.68	2.90	762.60	714.60	Artesian Zone
6842502	2/3/2003	Medina	291838.01	984921.79	1.25	728.85	724.44	Artesian Zone
6842504	2/6/2003	Medina	291834.62	984854.86	0.35	724.33	723.24	Artesian Zone
6849813	2/5/2003	Medina	290956.79	985621.90	2.50	663.20	720.19	Artesian Zone
6937301	2/4/2003	Medina	292800.02	992302.84	1.73	1,166.22	891.55	Artesian Zone
6938601	2/4/2003	Medina	292618.74	991700.46	1.34	1,007.82	908.67	Artesian Zone
6938902	2/4/2003	Medina	292244.68	991636.63	0.78	942.32	804.64	Artesian Zone
6938906	2/4/2003	Medina	292319.18	991552.29	1.47	950.41	814.58	Artesian Zone
6939504	2/4/2003	Medina	292703.58	991141.60	1.65	1,021.14	906.80	Recharge Zone
6939801	2/4/2003	Medina	292318.83	991110.10	0.70	955.76	799.81	Artesian Zone
6939901	2/5/2003	Medina	292304.27	990914.08	1.13	932.48	788.24	Artesian Zone
6940101	2/5/2003	Medina	292935.75	990729.40	0.61	1,023.22	913.06	Recharge Zone
6940102	2/5/2003	Medina	292740.12	990701.62	2.50	966.60	863.86	Artesian Zone
6940202	2/6/2003	Medina	292801.71	990426.21	1.05	997.69	842.98	Artesian Zone
6940404	2/5/2003	Medina	292602.19	990718.34	1.15	935.18	818.75	Recharge Zone
6940901	2/4/2003	Medina	292433.94	990002.76	0.71	878.23	749.73	Recharge Zone
6946601	2/4/2003	Medina	291956.09	991644.17	0.89	884.40	799.62	Recharge Zone
6946602	2/4/2003	Medina	291900.58	991538.20	0.50	908.32	797.67	Artesian Zone
6947301	2/6/2003	Medina	292136.57	990937.05	0.92	915.82	754.67	Artesian Zone
6947306	2/5/2003	Medina	292046.75	990820.20	0.80	886.68	753.62	Artesian Zone
6947503	2/4/2003	Medina	291931.35	991227.60	0.86	884.78	764.84	Artesian Zone
6947602	2/4/2003	Medina	291918.00	990918.45	1.15	862.24	759.34	Artesian Zone
6947603	2/4/2003	Medina	291826.86	990858.49	1.50	844.01	758.99	Artesian Zone
6948102	2/5/2003	Medina	292104.10	990512.20	0.65	867.03	752.08	Artesian Zone
6948303*	2/5/2003	Medina	292125.12	990051.43	2.55	1,007.08	726.43	Artesian Zone
6948402	2/6/2003	Medina	291929.58	990626.55	0.70	852.93	756.67	Artesian Zone
6956507	2/5/2003	Medina	291018.32	990317.78	1.30	712.77	762.52	Artesian Zone
6956508	2/5/2003	Medina	291022.39	990326.61	1.75	699.92	762.21	Artesian Zone
6963103	2/5/2003	Medina	290639.91	991312.10	4.83	661.18	785.98	Artesian Zone
68339AA	2/4/2003	Medina	292216.49	985351.81	0.85	773.89	737.29	Artesian Zone
68415AA	2/4/2003	Medina	291839.74	985539.90	5.00	951.35	735.55	Artesian Zone
68422AA	2/3/2003	Medina	292213.28	984842.01	0.80	777.53	724.87	Artesian Zone
69396AA	2/5/2003	Medina	292606.12	990858.76	1.00	999.31	837.97	Artesian Zone
6946702-B	2/4/2003	Medina	291546.50	992122.73	2.00	949.73	801.14	Recharge Zone
69472AA	2/6/2003	Medina	292053.25	991158.62	2.63	909.27	766.95	Artesian Zone
6935401*	2/4/2003	Uvalde	292630.68	994456.96	1.00	1,289.97	1,172.51	Artesian Zone
6935602*	2/6/2003	Uvalde	292645.21	993955.12	0.50	1,149.72	1,089.09	Recharge Zone
6935804*	2/6/2003	Uvalde	292340.20	994207.76	0.00	1,153.44	1,038.96	Recharge Zone
6936402	2/6/2003	Uvalde	292508.17	993634.36	2.60	1,096.34	837.93	Recharge Zone
6936601	2/5/2003	Uvalde	292532.31	993058.54	0.07	1,072.36	850.68	Artesian Zone
6937402	2/4/2003	Uvalde	292711.88	992823.47	2.00	1,153.22	869.92	Artesian Zone
6942709	2/7/2003	Uvalde	291625.04	995146.26	1.80	1,005.63	906.39	Artesian Zone
6943409	2/6/2003	Uvalde	291926.07	994249.71	1.70	1,056.46	892.10	Artesian Zone
6943607	2/4/2003	Uvalde	291935.42	993819.05	2.00	1,009.65	828.91	Artesian Zone
6943903	2/4/2003	Uvalde	291559.24	993856.72	1.25	954.83	890.71	Artesian Zone
6944108	2/6/2003	Uvalde	292204.37	993621.36	2.50	1,040.63	827.65	Artesian Zone
6944301	2/5/2003	Uvalde	292110.57	993048.07	1.15	1,001.93	814.40	Artesian Zone
6944703	2/6/2003	Uvalde	291526.72	993510.46	1.10	934.41	810.59	Artesian Zone
6944804	2/6/2003	Uvalde	291726.32	993421.98	1.50	952.67	821.95	Artesian Zone
6944902	2/5/2003	Uvalde	291611.24	993018.97	1.97	899.91	808.95	Artesian Zone
6945401	2/4/2003	Uvalde	291909.99	992811.63	0.70	953.79	810.20	Artesian Zone
6950302	2/4/2003	Uvalde	291231.48	994703.73	2.40	904.90	882.41	Artesian Zone
6951602	2/7/2003	Uvalde	291032.62	993937.83	0.90	863.36	840.46	Artesian Zone
6951606	2/7/2003	Uvalde	291135.05	993756.38	2.17	877.55	810.68	Saline Zone
6952202	2/5/2003	Uvalde	291442.62	993258.49	2.70	874.02	808.17	Saline Zone
6952403	2/7/2003	Uvalde	291156.01	993700.85	0.00	875.11	809.01	Artesian Zone
6952404	2/7/2003	Uvalde	291132.99	993637.63	2.52	867.02	811.54	Saline Zone
69369AA	2/4/2003	Uvalde	292249.34	992939.57	0.82	1,028.59	816.38	Saline Zone
69438AA	2/6/2003	Uvalde	291716.98	994158.31	0.91	976.58	879.35	Artesian Zone
69439AA	2/4/2003	Uvalde	291558.33	993811.03	0.56	947.76	878.05	Artesian Zone
69443AA	2/5/2003	Uvalde	292024.08	993110.66	1.42	988.44	814.15	Artesian Zone
69493AA	2/5/2003	Uvalde	291438.97	995235.57	0.30	968.16	904.20	Artesian Zone
69501AA	2/5/2003	Uvalde	291421.29	995016.99	0.67	949.79	893.71	Artesian Zone
69502AA	2/7/2003	Uvalde	291237.94	994907.37	0.83	913.08	885.26	Artesian Zone
69502BB	2/5/2003	Uvalde	291429.99	994901.47	0.39	931.63	891.37	Artesian Zone
69502CC	2/7/2003	Uvalde	291234.50	994834.37	2.65	910.31	883.97	Artesian Zone
69502DD	2/5/2003	Uvalde	291412.88	994938.83	0.00	941.30	893.00	Artesian Zone

Table A-12. Water levels collected during the February 3 through February 7, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
69503AA	2/5/2003	Uvalde	291444.86	994726.72	0.55	956.79	887.02	Artesian Zone
69503CC	2/5/2003	Uvalde	291300.13	994519.22	0.80	930.35	886.80	Artesian Zone
69505AA	2/5/2003	Uvalde	291127.50	994955.14	6.25	910.75	877.53	Artesian Zone
69505BB	2/7/2003	Uvalde	291137.84	994735.74	1.00	901.20	879.46	Artesian Zone
69511AA	2/4/2003	Uvalde	291429.78	994432.83	1.00	965.57	887.22	Artesian Zone
69511AA	2/4/2003	Uvalde	291429.78	994432.83	1.00	965.57	887.22	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-13. Water levels collected during the July 21 through July 25, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	7/21/2003	Atascosa	291348.94	984755.96	1.00	711.86	687.36	Artesian Zone
6821806	7/21/2003	Bexar	293745.73	982654.56	2.38	950.66	749.55	Recharge Zone
6827307	7/23/2003	Bexar	293507.78	983750.92	1.10	990.74	823.19	Recharge Zone
6827401	7/24/2003	Bexar	293310.23	984440.12	2.45	1031.45	841.27	Recharge Zone
6827517	7/21/2003	Bexar	293358.60	984054.19	2.05	997.39	826.37	Recharge Zone
6827609	7/22/2003	Bexar	293404.55	983941.82	-0.33	960.54	788.20	Recharge Zone
6827610	7/23/2003	Bexar	293251.78	983808.31	2.11	902.05	765.42	Recharge Zone
6827611	7/23/2003	Bexar	293429.12	983738.55	-0.23	964.16	789.77	Recharge Zone
6827612	7/23/2003	Bexar	293403.40	983820.23	2.83	957.84	784.52	Recharge Zone
6828113	7/21/2003	Bexar	293516.48	983627.53	-0.45	1022.33	816.07	Recharge Zone
6828210	7/21/2003	Bexar	293530.42	983433.97	-0.37	984.27	805.49	Recharge Zone
6828211	7/23/2003	Bexar	293516.12	983254.88	2.65	974.30	785.26	Recharge Zone
6828313	7/21/2003	Bexar	293635.42	983021.73	2.50	948.81	754.98	Recharge Zone
6828314	7/22/2003	Bexar	293534.92	983040.73	1.40	900.53	750.68	Recharge Zone
6828315	7/29/2003	Bexar	293611.27	983118.89	-0.17	946.75	750.51	Recharge Zone
6828406	7/23/2003	Bexar	293349.54	983558.21	0.80	978.72	766.80	Recharge Zone
6828407	7/21/2003	Bexar	293424.74	983508.18	-0.22	1000.03	783.28	Recharge Zone
6828512	7/24/2003	Bexar	293425.39	983430.47	1.41	951.16	786.74	Recharge Zone
6828515	7/21/2003	Bexar	293347.72	983340.89	1.71	975.69	740.21	Recharge Zone
6828516	7/23/2003	Bexar	293339.23	983447.08	1.46	947.65	756.21	Recharge Zone
6828517	7/21/2003	Bexar	293435.68	983430.17	2.54	963.84	792.82	Recharge Zone
6828518	7/21/2003	Bexar	293438.48	983241.66	2.45	926.61	768.90	Recharge Zone
6828519	7/21/2003	Bexar	293408.41	983312.86	-0.30	926.84	734.10	Recharge Zone
6828608	7/22/2003	Bexar	293456.85	983048.92	1.90	858.08	740.08	Recharge Zone
6828609	7/21/2003	Bexar	293458.65	983213.64	-0.30	926.25	749.67	Artesian Zone
6828909	7/22/2003	Bexar	293026.00	983132.00	1.90	783.03	689.31	Artesian Zone
6828920	7/22/2003	Bexar	293230.20	983038.66	0.75	924.96	699.32	Artesian Zone
6828921	7/22/2003	Bexar	293015.00	983222.00	1.10	823.44	690.66	Artesian Zone
6829103	7/21/2003	Bexar	293522.52	982916.82	0.61	952.51	729.22	Recharge Zone
6829112	7/21/2003	Bexar	293558.82	982848.38	2.38	889.00	742.78	Recharge Zone
6829113	7/21/2003	Bexar	293534.14	982828.20	1.52	885.91	744.42	Recharge Zone
6829114	7/21/2003	Bexar	293528.38	982743.41	-0.30	852.60	738.27	Recharge Zone
6829213	7/21/2003	Bexar	293504.46	982708.79	1.30	851.86	711.84	Recharge Zone
6829214	7/21/2003	Bexar	293519.61	982541.04	-0.40	809.91	712.61	Recharge Zone
6829215	7/21/2003	Bexar	293537.05	982623.96	2.10	827.00	721.05	Recharge Zone
6829216	7/21/2003	Bexar	293642.71	982639.92	-0.40	923.70	743.95	Recharge Zone
6829217	7/21/2003	Bexar	293614.86	982623.39	-0.40	919.90	743.80	Recharge Zone
6829418	7/21/2003	Bexar	293455.95	982802.28	2.26	828.15	727.41	Recharge Zone
6829506	7/21/2003	Bexar	293428.56	982620.57	1.35	788.00	692.77	Recharge Zone
6829605	7/22/2003	Bexar	293300.14	982313.51	-2.20	808.08	683.48	Artesian Zone
6829611	7/22/2003	Bexar	293358.00	982307.00	2.80	829.80	678.94	Artesian Zone
6836103*	7/21/2003	Bexar	292918.00	983603.00	6.58	907.26	651.42	Artesian Zone
6836107	7/25/2003	Bexar	292918.90	983639.94	3.80	878.20	692.00	Artesian Zone
6836206	7/21/2003	Bexar	292821.00	983253.00	4.20	756.23	690.29	Artesian Zone
6836901	7/21/2003	Bexar	292449.30	983056.77	3.21	637.24	687.31	Artesian Zone
6837103	7/22/2003	Bexar	292950.00	982913.00	1.00	729.53	686.57	Artesian Zone
6837203	7/21/2003	Bexar	292844.86	982557.39	0.30	730.81	683.93	Artesian Zone
6837304	7/22/2003	Bexar	292808.33	982301.84	2.30	702.68	684.20	Artesian Zone
6837521*	7/23/2003	Bexar	292505.56	982539.63	3.85	620.00	681.60	Saline Zone
6837522*	7/23/2003	Bexar	292506.39	982540.27	3.97	620.00	682.88	Saline Zone
6837523	7/23/2003	Bexar	292505.99	982539.96	3.74	620.00	680.34	Saline Zone
6837524	7/23/2003	Bexar	292544.35	982640.13	4.24	626.00	684.53	Artesian Zone
6837525	7/23/2003	Bexar	292545.31	982600.94	5.32	624.00	682.45	Artesian Zone
6837526	7/23/2003	Bexar	292555.73	982607.33	4.97	646.17	685.79	Artesian Zone
6837527	7/23/2003	Bexar	292556.75	982607.36	4.34	644.08	684.92	Artesian Zone
6837606	7/23/2003	Bexar	292646.43	982440.21	0.90	677.68	677.89	Artesian Zone
6843402	7/21/2003	Bexar	291848.97	984251.53	1.42	698.44	710.90	Artesian Zone
6843606	7/21/2003	Bexar	291910.97	983912.00	1.83	619.96	700.92	Artesian Zone
68293AA	7/24/2003	Bexar	293606.23	982303.67	1.70	967.68	686.41	Artesian Zone

Table A-13. Water levels collected during the July 21 through July 25, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
68299BB	7/24/2003	Bexar	293107.56	982444.35	0.50	724.78	679.90	Artesian Zone
68299CC	7/24/2003	Bexar	293100.42	982444.35	0.20	724.12	679.45	Artesian Zone
68302AA	7/23/2003	Bexar	293554.88	981912.77	1.09	780.74	670.14	Artesian Zone
68302BB	7/23/2003	Bexar	293555.87	981906.51	1.25	763.50	672.32	Artesian Zone
68302CC	7/23/2003	Bexar	293528.90	981949.80	1.00	783.84	674.24	Artesian Zone
68307AA	7/23/2003	Bexar	293104.54	982228.99	1.05	819.10	679.46	Artesian Zone
68377AA*	7/25/2003	Bexar	292439.52	982949.32	-2.70	610.00	700.30	Artesian Zone
68431AA	7/21/2003	Bexar	292157.44	984413.94	1.00	717.01	705.29	Artesian Zone
6815809	7/24/2003	Comal	294615.40	981035.31	0.35	908.39	672.82	Recharge Zone
6815903	7/24/2003	Comal	294527.39	980828.28	0.00	676.86	639.59	Recharge Zone
6815907	7/23/2003	Comal	294516.81	980822.39	1.45	706.48	637.13	Recharge Zone
6815912	7/23/2003	Comal	294516.23	980827.60	1.53	693.79	637.86	Recharge Zone
6816602	7/21/2003	Comal	294738.93	980127.10	0.20	608.05	601.50	Artesian Zone
6816701	7/21/2003	Comal	294526.19	980617.24	2.00	711.57	629.19	Transition Zone
6816801	7/21/2003	Comal	294712.36	980310.32	0.50	752.83	614.29	Transition Zone
6816803	7/21/2003	Comal	294611.70	980426.77	1.50	725.39	614.80	Transition Zone
6822603	7/22/2003	Comal	294208.09	981505.67	1.28	945.66	683.35	Recharge Zone
6822807	7/25/2003	Comal	293919.79	981818.17	1.85	895.49	687.26	Transition Zone
6822810	7/25/2003	Comal	293936.98	981825.52	1.30	889.43	687.76	Transition Zone
6823105	7/24/2003	Comal	294253.78	981323.66	1.57	984.88	670.89	Recharge Zone
6823208	7/23/2003	Comal	294405.65	981140.01	0.25	887.63	658.46	Recharge Zone
6823209	7/22/2003	Comal	294314.84	981044.39	0.83	862.03	647.38	Recharge Zone
6823211	7/23/2003	Comal	294439.95	981017.86	1.32	783.32	645.69	Recharge Zone
6823302	7/25/2003	Comal	294248.87	980818.08	1.00	642.59	628.08	Recharge Zone
6823304	7/21/2003	Comal	294240.00	980818.00	0.36	626.17	642.33	Artesian Zone
6823306	7/23/2003	Comal	294446.34	980914.21	0.10	807.67	639.45	Recharge Zone
6823316	7/23/2003	Comal	294316.92	980852.46	1.06	806.52	632.60	Recharge Zone
6823319	7/24/2003	Comal	294315.63	980739.64	1.50	627.63	625.26	Recharge Zone
6823504	7/23/2003	Comal	294016.88	981147.10	3.40	706.18	651.67	Recharge Zone
6823621	7/21/2003	Comal	294140.03	980933.02	0.87	670.81	645.00	Recharge Zone
6823701	7/22/2003	Comal	293856.00	981259.18	0.72	684.73	658.56	Recharge Zone
6823709	7/22/2003	Comal	293825.55	981359.22	0.00	705.51	666.32	Recharge Zone
6823710	7/22/2003	Comal	293948.35	981409.73	0.85	815.67	656.91	Recharge Zone
6823807	7/23/2003	Comal	293958.91	981016.77	1.70	655.88	648.21	Artesian Zone
6824102	7/21/2003	Comal	294441.00	980626.56	2.95	640.88	621.07	Recharge Zone
6830208	7/22/2003	Comal	293636.78	981910.49	2.11	798.09	672.03	Artesian Zone
6830226	7/22/2003	Comal	293654.49	981901.74	1.58	827.31	684.50	Artesian Zone
6830312	7/22/2003	Comal	293646.10	981702.10	0.90	773.18	667.86	Artesian Zone
6830315	7/22/2003	Comal	293632.40	981723.74	2.35	782.22	668.64	Artesian Zone
6823616A	7/25/2003	Comal	294215.64	980759.07	2.40	635.42	644.65	Saline Zone
6823619B	7/25/2003	Comal	294226.60	980810.51	2.30	634.41	643.64	Saline Zone
68302AA	7/22/2003	Comal	293706.05	981935.69	1.25	804.79	675.87	Artesian Zone
6830314	7/22/2003	Guadalupe	293609.47	981526.05	2.17	871.01	666.91	Artesian Zone
6831403*	7/22/2003	Guadalupe	293423.01	981346.11	2.09	709.08	676.13	Saline Zone
6831511*	7/22/2003	Guadalupe	293245.49	981209.56	2.06	674.00	680.46	Saline Zone
6831808*	7/22/2003	Guadalupe	293057.55	981104.95	2.89	648.92	652.47	Saline Zone
5842819	7/23/2003	Hays	301539.62	974903.26	N/A	672.94	456.80	Artesian Zone
5850221	7/23/2003	Hays	301331.61	974822.28	N/A	675.60	485.20	Artesian Zone
5850301	7/23/2003	Hays	301237.25	974653.70	N/A	652.21	524.31	Artesian Zone
5850417	7/23/2003	Hays	301142.54	975046.01	N/A	806.00	545.25	Recharge Zone
5850801	7/23/2003	Hays	300834.12	974838.72	N/A	662.08	567.44	Artesian Zone
5857903*	7/23/2003	Hays	300218.59	975310.20	N/A	824.02	696.12	Artesian Zone
5858101	7/23/2003	Hays	300500.89	975033.50	N/A	707.25	605.84	Artesian Zone
5858123	7/23/2003	Hays	300633.95	975030.23	N/A	700.89	595.43	Artesian Zone
6701303	7/21/2003	Hays	295923.14	975231.71	1.10	719.24	545.70	Transition Zone
6701311	7/22/2003	Hays	295853.15	975329.05	2.48	770.52	564.17	Transition Zone
6701701	7/23/2003	Hays	295342.03	975752.04	0.00	734.50	577.27	Transition Zone
6701809	7/21/2003	Hays	295442.91	975543.59	1.20	601.27	577.36	Recharge Zone
6701812	7/23/2003	Hays	295325.71	975542.13	2.89	580.89	577.29	Saline Zone

Table A-13. Water levels collected during the July 21 through July 25, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6702104*	7/22/2003	Hays	295858.05	975217.51	2.61	674.32	566.11	Recharge Zone
6702105*	7/22/2003	Hays	295729.88	975031.64	2.19	646.70	581.66	Recharge Zone
6702106*	7/22/2003	Hays	295829.06	975125.61	2.17	678.28	582.60	Recharge Zone
6709105	7/22/2003	Hays	295041.24	975903.06	2.50	692.23	578.92	Transition Zone
6709106	7/22/2003	Hays	295108.76	975913.76	1.32	699.66	580.88	Transition Zone
6709113	7/22/2003	Hays	295019.46	975926.65	1.69	704.73	581.22	Transition Zone
6709401	7/22/2003	Hays	294945.30	975744.51	2.37	642.51	592.16	Transition Zone
6808902	7/22/2003	Hays	295347.28	980010.42	2.83	783.77	588.35	Recharge Zone
6816603	7/24/2003	Hays	294945.22	980058.37	2.76	736.91	582.55	Recharge Zone
58501W2*	7/23/2003	Hays	301335.06	975029.27	N/A	738.94	587.29	Artesian Zone
58573GC	7/23/2003	Hays	300551.31	975312.66	N/A	824.50	619.49	Artesian Zone
58584CT	7/23/2003	Hays	300336.71	975206.49	N/A	735.17	632.76	Recharge Zone
67014AA	7/21/2003	Hays	295517.74	975755.59	0.90	724.88	584.78	Recharge Zone
67017BB	7/23/2003	Hays	295430.94	975817.54	0.77	767.83	579.30	Recharge Zone
6701813A	7/24/2003	Hays	295328.06	975545.76	3.10	581.12	576.48	Saline Zone
6701813B	7/23/2003	Hays	295328.06	975545.76	3.08	581.12	577.35	Saline Zone
6701814B	7/23/2003	Hays	295330.58	975551.08	6.40	575.54	574.57	Saline Zone
67018BB	7/23/2003	Hays	295339.97	975546.02	1.25	585.03	575.86	Transition Zone
67018CC	7/23/2003	Hays	295337.00	975555.37	2.12	632.70	576.01	Transition Zone
67018DD	7/23/2003	Hays	295313.83	975658.65	1.00	750.96	577.67	Transition Zone
67018EE	7/24/2003	Hays	295429.40	975509.52	2.05	609.92	577.30	Transition Zone
67018FF	7/21/2003	Hays	295409.70	975518.22	2.45	589.37	577.61	Recharge Zone
67091AA	7/22/2003	Hays	295131.73	975934.12	0.41	748.41	580.36	Transition Zone
67091BB	7/21/2003	Hays	295203.48	975807.78	0.55	646.44	579.24	Recharge Zone
67091CC	7/24/2003	Hays	295011.55	975938.17	4.75	732.90	581.09	Transition Zone
7038902*	7/21/2003	Kinney	292448.97	1001540.40	2.10	1378.94	1188.66	Recharge Zone
6825711	7/25/2003	Medina	293025.64	985853.43	2.05	1174.30	914.52	Recharge Zone
6826802*	7/23/2003	Medina	293040.74	984829.98	1.20	1006.17	887.81	Artesian Zone
6832802	7/25/2003	Medina	293036.04	990437.64	1.85	1125.36	932.80	Recharge Zone
6833102	7/22/2003	Medina	292820.24	985746.88	1.00	968.23	856.44	Recharge Zone
6833213	7/25/2003	Medina	292929.24	985617.77	2.24	1013.42	885.34	Recharge Zone
6833604	7/22/2003	Medina	292519.87	985319.51	0.90	847.95	724.19	Artesian Zone
6834506	7/21/2003	Medina	292552.74	984846.64	0.85	1043.46	715.63	Artesian Zone
6841301	7/21/2003	Medina	292118.16	985248.37	1.64	759.76	718.29	Artesian Zone
6842106	7/22/2003	Medina	292116.90	985114.72	1.00	774.98	719.78	Artesian Zone
6842112	7/22/2003	Medina	292044.76	985056.68	2.90	762.60	711.91	Artesian Zone
6842502	7/21/2003	Medina	291838.01	984921.79	1.25	728.85	711.71	Artesian Zone
6842504	7/21/2003	Medina	291834.62	984854.86	0.35	724.33	710.82	Artesian Zone
6849813	7/21/2003	Medina	290956.80	985621.88	2.50	663.20	713.06	Artesian Zone
6931708	7/25/2003	Medina	293125.08	991357.04	1.70	1140.92	966.59	Artesian Zone
6932703	7/25/2003	Medina	293202.97	990635.76	1.20	1233.00	1053.57	Recharge Zone
6938601	7/21/2003	Medina	292618.74	991700.46	1.34	1007.82	912.63	Recharge Zone
6938902	7/22/2003	Medina	292244.68	991636.63	0.78	942.32	794.36	Recharge Zone
6938906	7/22/2003	Medina	292319.18	991552.29	1.47	950.41	811.96	Artesian Zone
6939504	7/21/2003	Medina	292703.58	991141.60	1.65	1021.14	906.61	Artesian Zone
6939801	7/21/2003	Medina	292318.83	991110.10	0.70	955.76	786.14	Recharge Zone
6939901	7/22/2003	Medina	292304.27	990914.08	1.13	932.48	777.50	Artesian Zone
6940101	7/21/2003	Medina	292935.75	990729.40	0.61	1023.22	909.57	Artesian Zone
6940102	7/21/2003	Medina	292740.12	990701.62	2.50	966.60	867.81	Recharge Zone
6940202	7/23/2003	Medina	292801.71	990426.21	1.05	997.69	858.12	Recharge Zone
6940209	7/25/2003	Medina	292843.63	990402.17	1.75	1036.16	871.16	Recharge Zone
6940404	7/21/2003	Medina	292602.19	990718.34	1.15	935.18	819.57	Recharge Zone
6940509	7/25/2003	Medina	293317.47	991405.07	1.90	1166.33	1048.06	Artesian Zone
6940510	7/25/2003	Medina	292535.69	990410.02	2.62	915.40	777.46	Recharge Zone
6940901	7/24/2003	Medina	292433.94	990002.76	0.71	878.23	738.74	Recharge Zone
6946601	7/22/2003	Medina	291956.09	991644.17	0.89	884.40	786.43	Artesian Zone
6946602	7/22/2003	Medina	291900.58	991538.20	0.50	908.32	784.38	Artesian Zone
6947301	7/24/2003	Medina	292136.57	990937.05	0.92	915.82	741.32	Artesian Zone
6947306	7/22/2003	Medina	292046.75	990820.20	0.80	886.68	742.67	Artesian Zone

Table A-13. Water levels collected during the July 21 through July 25, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6947503	7/22/2003	Medina	291931.35	991227.60	0.86	884.78	751.44	Artesian Zone
6947603	7/22/2003	Medina	291826.86	990858.49	1.50	844.01	745.83	Artesian Zone
6948102	7/21/2003	Medina	292104.10	990512.20	0.65	867.03	740.23	Artesian Zone
6948402	7/24/2003	Medina	291929.58	990626.55	0.70	852.93	742.93	Artesian Zone
6956507	7/24/2003	Medina	291018.32	990317.78	1.30	712.77	754.29	Artesian Zone
6956508	7/24/2003	Medina	291022.39	990326.61	1.75	699.92	750.67	Artesian Zone
6963103	7/23/2003	Medina	290639.91	991312.10	4.83	661.18	774.44	Artesian Zone
68339AA	7/23/2003	Medina	292216.49	985351.81	0.85	773.89	723.93	Artesian Zone
68415AA	7/22/2003	Medina	291839.74	985539.90	5.00	951.35	722.56	Artesian Zone
68422AA	7/21/2003	Medina	292213.28	984842.01	0.80	777.53	729.49	Artesian Zone
69396AA	7/22/2003	Medina	292606.12	990858.76	1.00	999.31	842.25	Recharge Zone
6946702-B	7/22/2003	Medina	291546.50	992122.73	2.00	949.73	787.53	Artesian Zone
69472AA	7/24/2003	Medina	292053.25	991158.62	2.63	909.27	754.34	Artesian Zone
6935401*	7/22/2003	Uvalde	292630.68	994456.96	1.00	1289.97	1172.97	Recharge Zone
6935602*	7/23/2003	Uvalde	292645.21	993955.12	0.50	1149.72	1098.89	Recharge Zone
6935804*	7/23/2003	Uvalde	292340.20	994207.76	0.00	1153.44	1027.24	Recharge Zone
6936402	7/23/2003	Uvalde	292508.17	993634.36	2.60	1096.34	819.18	Artesian Zone
6936601	7/23/2003	Uvalde	292532.31	993058.54	0.07	1072.36	836.50	Artesian Zone
6937402	7/22/2003	Uvalde	292711.88	992823.47	2.00	1153.22	862.24	Artesian Zone
6942709	7/21/2003	Uvalde	291625.04	995146.26	1.80	1005.63	902.73	Artesian Zone
6943409	7/23/2003	Uvalde	291926.07	994249.71	1.70	1056.46	884.91	Artesian Zone
6943607	7/22/2003	Uvalde	291935.42	993819.05	2.00	1009.65	812.51	Artesian Zone
6943903	7/23/2003	Uvalde	291559.24	993856.72	1.25	954.83	869.63	Artesian Zone
6944108	7/24/2003	Uvalde	292204.37	993621.36	2.50	1040.63	811.16	Artesian Zone
6944301	7/22/2003	Uvalde	292110.57	993048.07	1.15	1001.93	800.25	Artesian Zone
6944402	7/22/2003	Uvalde	291948.42	993536.78	1.00	997.37	816.75	Artesian Zone
6944703*	7/23/2003	Uvalde	291526.72	993510.46	1.10	934.41	791.95	Artesian Zone
6944804	7/24/2003	Uvalde	291726.32	993421.98	1.50	952.67	810.28	Artesian Zone
6944902	7/21/2003	Uvalde	291611.24	993018.97	1.97	899.91	795.06	Artesian Zone
6945401	7/22/2003	Uvalde	291909.99	992811.63	0.70	953.79	796.22	Artesian Zone
6950302	7/22/2003	Uvalde	291231.48	994703.73	2.40	904.90	879.10	Artesian Zone
6951401	7/21/2003	Uvalde	291027.83	994403.39	1.36	891.30	852.45	Saline Zone
6951602	7/22/2003	Uvalde	291032.62	993937.83	0.90	863.36	837.72	Saline Zone
6951606	7/22/2003	Uvalde	291135.05	993756.38	2.17	877.55	774.86	Saline Zone
6952202	7/21/2003	Uvalde	291442.62	993258.49	2.70	874.02	794.62	Artesian Zone
6952404	7/22/2003	Uvalde	291132.99	993637.63	2.52	867.02	776.18	Saline Zone
6953701	7/22/2003	Uvalde	290849.98	992841.32	1.80	748.03	787.25	Artesian Zone
7040901*	7/21/2003	Uvalde	292340.41	1000008.35	0.84	1124.27	1081.11	Recharge Zone
69369AA	7/22/2003	Uvalde	292249.34	992939.57	0.82	1028.59	805.86	Artesian Zone
69438AA	7/22/2003	Uvalde	291716.98	994158.31	0.91	976.58	870.29	Artesian Zone
69439AA	7/23/2003	Uvalde	291558.33	993811.03	0.56	947.76	873.24	Artesian Zone
69443AA	7/22/2003	Uvalde	292024.08	993110.66	1.42	988.44	800.01	Artesian Zone
69493AA	7/22/2003	Uvalde	291438.97	995235.57	0.30	968.16	901.07	Artesian Zone
69501AA	7/22/2003	Uvalde	291421.29	995016.99	0.67	949.79	890.01	Artesian Zone
69502AA	7/22/2003	Uvalde	291237.94	994907.37	0.83	913.08	881.29	Artesian Zone
69502BB	7/21/2003	Uvalde	291429.99	994901.47	0.39	931.63	886.75	Artesian Zone
69502CC	7/22/2003	Uvalde	291234.50	994834.37	2.65	910.31	880.08	Artesian Zone
69502DD	7/22/2003	Uvalde	291412.88	994938.83	0.00	941.30	888.50	Artesian Zone
69503CC	7/21/2003	Uvalde	291300.13	994519.22	0.80	930.35	880.25	Artesian Zone
69505AA	7/22/2003	Uvalde	291127.50	994955.14	6.25	910.75	874.71	Artesian Zone
69505BB	7/21/2003	Uvalde	291137.84	994735.74	1.00	901.20	876.45	Artesian Zone
69506AA	7/21/2003	Uvalde	291135.50	994634.34	0.37	897.12	872.10	Artesian Zone
69511AA	7/23/2003	Uvalde	291429.78	994432.83	1.00	965.57	880.81	Artesian Zone

Note *** Well visited and water level measured, but not used in potentiometric map.

Table A-14. Water levels collected during the October 24 through October 31, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	10/27/2003	Atascosa	291348.94	984755.96	1.00	711.86	685.78	Artesian Zone
6821806	10/30/2003	Bexar	293745.73	982654.56	2.38	950.66	737.68	Recharge Zone
6827307	10/29/2003	Bexar	293507.78	983750.92	1.10	990.74	804.82	Recharge Zone
6827401	10/29/2003	Bexar	293310.23	984440.12	2.45	1031.45	787.33	Recharge Zone
6827609	10/29/2003	Bexar	293404.55	983941.82	-0.33	960.54	770.89	Recharge Zone
6827610	10/28/2003	Bexar	293251.78	983808.31	2.11	902.05	751.00	Recharge Zone
6827611	10/28/2003	Bexar	293429.12	983738.55	-0.23	964.16	774.19	Recharge Zone
6827612	10/28/2003	Bexar	293403.40	983820.23	2.83	957.84	768.23	Recharge Zone
6828113	10/30/2003	Bexar	293516.48	983627.53	-0.45	1022.33	806.84	Recharge Zone
6828210	10/30/2003	Bexar	293530.42	983433.97	-0.37	984.27	787.62	Recharge Zone
6828211	10/30/2003	Bexar	293516.12	983254.88	2.65	974.30	766.82	Recharge Zone
6828314	10/28/2003	Bexar	293534.92	983040.73	1.40	900.53	737.80	Recharge Zone
6828406	10/28/2003	Bexar	293349.54	983558.21	0.80	978.72	753.96	Recharge Zone
6828407	10/30/2003	Bexar	293424.74	983508.18	-0.22	1000.03	772.11	Recharge Zone
6828512	10/31/2003	Bexar	293425.39	983430.47	1.41	951.16	775.41	Recharge Zone
6828515	10/30/2003	Bexar	293347.72	983340.89	1.71	975.69	733.20	Recharge Zone
6828516	10/28/2003	Bexar	293339.23	983447.08	1.46	947.65	746.29	Recharge Zone
6828517	10/30/2003	Bexar	293435.68	983430.17	2.54	963.84	780.84	Recharge Zone
6828518	10/30/2003	Bexar	293438.48	983241.66	2.45	926.61	754.85	Recharge Zone
6828519	10/30/2003	Bexar	293408.41	983312.86	-0.30	926.84	717.94	Recharge Zone
6828608	10/28/2003	Bexar	293456.85	983048.92	1.90	858.08	720.11	Recharge Zone
6828609	10/28/2003	Bexar	293458.65	983213.64	-0.30	926.25	741.07	Artesian Zone
6828909	10/30/2003	Bexar	293026.00	983132.00	1.90	783.03	687.35	Artesian Zone
6828920	10/28/2003	Bexar	293230.20	983038.66	0.75	924.96	695.01	Artesian Zone
6828921	10/30/2003	Bexar	293015.00	983222.00	1.10	823.44	688.70	Artesian Zone
6829103	10/28/2003	Bexar	293522.52	982916.82	0.61	952.51	725.10	Recharge Zone
6829112	10/27/2003	Bexar	293558.82	982848.38	2.38	889.00	726.31	Recharge Zone
6829113	10/27/2003	Bexar	293534.14	982828.20	1.52	885.91	728.85	Recharge Zone
6829114	10/27/2003	Bexar	293528.38	982743.41	-0.30	852.60	728.64	Recharge Zone
6829213	10/27/2003	Bexar	293504.46	982708.79	1.30	851.86	706.54	Recharge Zone
6829214	10/27/2003	Bexar	293519.61	982541.04	-0.40	809.91	707.31	Recharge Zone
6829215	10/28/2003	Bexar	293537.05	982623.96	2.10	827.00	714.92	Recharge Zone
6829216	10/28/2003	Bexar	293642.71	982639.92	-0.40	923.70	732.45	Recharge Zone
6829217	10/27/2003	Bexar	293614.86	982623.39	-0.40	919.90	732.17	Recharge Zone
6829418	10/27/2003	Bexar	293455.95	982802.28	2.26	828.15	721.01	Recharge Zone
6829506	10/28/2003	Bexar	293428.56	982620.57	1.35	788.00	688.90	Recharge Zone
6829605	10/28/2003	Bexar	293300.14	982313.51	-2.20	808.08	682.68	Artesian Zone
6829611	10/30/2003	Bexar	293358.00	982307.00	2.80	829.80	676.96	Artesian Zone
6835106*	10/29/2003	Bexar	292855.00	984250.00	5.00	959.51	672.37	Artesian Zone
6836103	10/29/2003	Bexar	292918.00	983603.00	6.58	907.26	679.66	Artesian Zone
6836107	10/29/2003	Bexar	292918.90	983639.94	3.80	878.20	690.00	Artesian Zone
6836130	10/29/2003	Bexar	292920.00	983606.00	6.58	903.10	680.92	Artesian Zone
6836206	10/29/2003	Bexar	292821.00	983253.00	4.20	756.23	688.39	Artesian Zone
6836512	10/29/2003	Bexar	292618.00	983353.00	3.97	685.46	688.63	Artesian Zone
6836901	10/27/2003	Bexar	292449.30	983056.77	3.21	637.24	683.84	Artesian Zone
6837103	10/30/2003	Bexar	292950.00	982913.00	1.00	729.53	685.13	Artesian Zone
6837203	10/29/2003	Bexar	292844.86	982557.39	0.30	730.81	682.61	Artesian Zone
6837304	10/31/2003	Bexar	292808.33	982301.84	2.30	702.68	677.44	Artesian Zone
6837521	10/29/2003	Bexar	292505.56	982539.63	3.85	620.00	679.29	Saline Zone
6837522	10/29/2003	Bexar	292506.39	982540.27	3.97	620.00	685.19	Saline Zone
6837523	10/29/2003	Bexar	292505.99	982539.96	3.74	620.00	678.03	Saline Zone
6837524	10/29/2003	Bexar	292544.35	982640.13	4.24	626.00	683.37	Artesian Zone
6837525	10/29/2003	Bexar	292545.31	982600.94	5.32	624.00	678.99	Artesian Zone
6837526	10/29/2003	Bexar	292555.73	982607.33	4.97	646.17	688.10	Artesian Zone
6837527	10/29/2003	Bexar	292556.75	982607.36	4.34	644.08	685.38	Artesian Zone
6837606	10/28/2003	Bexar	292646.43	982440.21	0.90	677.68	678.46	Artesian Zone
6837722	10/29/2003	Bexar	292323.10	982944.69	3.00	602.71	683.10	Saline Zone
6837723	10/29/2003	Bexar	292306.89	982925.32	2.60	592.88	683.26	Saline Zone
6837724	10/29/2003	Bexar	292244.43	982925.32	1.90	593.03	682.71	Saline Zone
6843402	10/27/2003	Bexar	291848.97	984251.53	1.42	698.44	700.56	Artesian Zone
68285AA*	10/31/2003	Bexar	293315.17	983348.73	1.50	886.78	659.44	Recharge Zone
68293AA	10/31/2003	Bexar	293606.23	982303.67	1.70	967.68	686.40	Artesian Zone

Table A-14. Water levels collected during the October 24 through October 31, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
68299BB	10/29/2003	Bexar	293107.56	982444.35	0.50	724.78	678.77	Artesian Zone
68299CC	10/29/2003	Bexar	293100.42	982444.35	0.20	724.12	679.10	Artesian Zone
68302AA	10/31/2003	Bexar	293554.88	981912.77	1.09	780.74	669.96	Artesian Zone
68302BB	10/31/2003	Bexar	293555.87	981906.51	1.25	763.50	669.47	Artesian Zone
68307AA	10/31/2003	Bexar	293104.54	982228.99	1.05	819.10	676.28	Artesian Zone
68377AA*	10/29/2003	Bexar	292439.52	982949.32	-2.70	610.00	695.68	Artesian Zone
68431AA	10/27/2003	Bexar	292157.44	984413.94	1.00	717.01	703.30	Artesian Zone
6815809	10/28/2003	Comal	294615.40	981035.31	0.35	908.39	672.83	Recharge Zone
6815903	10/27/2003	Comal	294527.39	980828.28	0.00	676.86	637.83	Recharge Zone
6815907	10/27/2003	Comal	294516.81	980822.39	1.45	706.48	632.91	Recharge Zone
6815912	10/27/2003	Comal	294516.23	980827.60	1.53	693.79	635.95	Recharge Zone
6816602	10/28/2003	Comal	294738.93	980127.10	0.20	608.05	601.18	Artesian Zone
6816701	10/27/2003	Comal	294526.19	980617.24	2.00	711.57	618.67	Transition Zone
6816703	10/28/2003	Comal	294513.18	980535.23	0.70	700.54	615.92	Transition Zone
6816801	10/28/2003	Comal	294712.36	980310.32	0.50	752.83	610.62	Transition Zone
6816803	10/28/2003	Comal	294611.70	980426.77	1.50	725.39	614.49	Transition Zone
6822602	10/28/2003	Comal	294039.12	981725.35	0.65	913.89	681.99	Recharge Zone
6822603	10/28/2003	Comal	294208.09	981505.67	1.28	945.66	676.65	Recharge Zone
6822807	10/28/2003	Comal	293919.79	981818.17	1.85	895.49	683.44	Transition Zone
6822810	10/28/2003	Comal	293936.98	981825.52	1.30	889.43	682.07	Transition Zone
6822912	10/28/2003	Comal	293726.75	981731.64	2.11	780.00	658.37	Recharge Zone
6823105	10/28/2003	Comal	294253.78	981323.66	1.57	984.88	666.38	Recharge Zone
6823208	10/28/2003	Comal	294405.65	981140.01	0.25	887.63	654.19	Recharge Zone
6823209	10/28/2003	Comal	294314.84	981044.39	0.83	862.03	632.86	Recharge Zone
6823211	10/28/2003	Comal	294439.95	981017.86	1.32	783.32	634.84	Recharge Zone
6823302	10/27/2003	Comal	294248.87	980818.08	1.00	642.59	627.97	Recharge Zone
6823304	10/27/2003	Comal	294240.00	980818.00	0.36	626.17	641.91	Artesian Zone
6823309	10/30/2003	Comal	294307.20	980806.87	0.55	736.21	626.47	Artesian Zone
6823316	10/28/2003	Comal	294316.92	980852.46	1.06	806.52	632.05	Artesian Zone
6823319	10/30/2003	Comal	294315.63	980739.64	1.50	627.63	625.03	Artesian Zone
6823502	10/30/2003	Comal	294056.25	981036.24	1.60	679.52	648.62	Recharge Zone
6823504	10/30/2003	Comal	294016.88	981147.10	3.40	706.18	651.28	Recharge Zone
6823602	10/30/2003	Comal	294206.76	980904.03	1.35	703.01	641.69	Recharge Zone
6823621	10/27/2003	Comal	294140.03	980933.02	0.87	670.81	644.82	Artesian Zone
6823701	10/27/2003	Comal	293856.00	981259.18	0.72	684.73	658.13	Recharge Zone
6823709	10/28/2003	Comal	293825.55	981359.22	1.10	705.51	666.52	Recharge Zone
6823710	10/28/2003	Comal	293948.35	981409.73	0.85	815.67	656.80	Recharge Zone
6823807	10/28/2003	Comal	293958.91	981016.77	1.70	655.88	648.48	Artesian Zone
6824102	10/27/2003	Comal	294441.00	980626.56	2.95	640.88	620.67	Recharge Zone
6830208	10/28/2003	Comal	293636.78	981910.49	2.11	798.09	671.10	Artesian Zone
6830226	10/28/2003	Comal	293654.49	981901.74	1.58	827.31	671.02	Artesian Zone
6830312	10/28/2003	Comal	293646.10	981702.10	0.90	773.18	666.99	Artesian Zone
6830315	10/28/2003	Comal	293632.40	981723.74	2.35	782.22	667.74	Artesian Zone
6823616A	10/30/2003	Comal	294215.64	980759.07	2.40	635.42	640.03	Saline Zone
6823619B	10/30/2003	Comal	294226.60	980810.51	2.30	634.41	639.02	Saline Zone
68241AA	10/27/2003	Comal	294452.19	980659.64	1.60	683.75	618.56	Transition Zone
68302AA	10/3/2003	Comal	293706.05	981935.69	1.25	804.79	675.09	Artesian Zone
6830314	10/28/2003	Guadalupe	293609.47	981526.05	2.17	871.01	668.05	Artesian Zone
6831403*	10/28/2003	Guadalupe	293423.01	981346.11	2.09	709.08	675.17	Saline Zone
6831511*	10/28/2003	Guadalupe	293245.49	981209.56	2.06	674.00	680.54	Saline Zone
6831808*	10/28/2003	Guadalupe	293057.55	981104.95	2.89	648.92	653.56	Saline Zone
5842819	10/27/2003	Hays	301539.62	974903.26	NA	672.94	453.34	Recharge Zone
5850221	10/27/2003	Hays	301331.61	974822.28	1.70	675.60	462.22	Recharge Zone
5850301	10/27/2003	Hays	301237.25	974653.70	1.35	652.21	492.03	Recharge Zone
5850417	10/27/2004	Hays	301142.54	975046.01	1.70	806.00	546.29	Recharge Zone
5850801	10/28/2003	Hays	300834.12	974838.72	1.50	662.08	531.02	Recharge Zone
5857903	10/29/2003	Hays	300218.59	975310.20	0.50	826.30	615.65	Transition Zone
5858101	10/29/2003	Hays	300500.89	975033.50	0.90	706.94	589.26	Transition Zone
5858123	10/27/2003	Hays	300633.95	975030.23	2.80	700.89	567.07	Recharge Zone
5858406	10/29/2003	Hays	300343.33	975121.67	NA	748.34	604.61	Transition Zone
5858407	10/29/2003	Hays	300312.40	975719.92	NA	758.83	602.60	Transition Zone
5858413*	10/29/2003	Hays	300413.85	975007.77	0.30	709.03	552.78	Transition Zone
5858505*	10/29/2003	Hays	300405.05	974908.82	NA	753.20	734.00	Artesian Zone
5858510*	10/29/2003	Hays	300445.77	974939.29	NA	752.00	588.84	Artesian Zone

Table A-14. Water levels collected during the October 24 through October 31, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
5858705*	10/29/2003	Hays	301222.64	975018.99	2.42	724.31	585.66	Transition Zone
6701303	10/27/2003	Hays	295923.14	975231.71	1.10	719.24	557.37	Transition Zone
6701311	10/28/2003	Hays	295853.15	975329.05	2.48	770.52	565.51	Transition Zone
6701701	10/27/2003	Hays	295342.03	975752.04	0.00	734.50	575.57	Transition Zone
6701809	10/27/2003	Hays	295442.91	975543.59	1.20	601.27	575.20	Recharge Zone
6702104*	10/28/2003	Hays	295858.05	975217.51	2.61	674.32	567.28	Saline Zone
6702105*	10/28/2003	Hays	295729.88	975031.64	2.19	646.70	579.68	Saline Zone
6702106*	10/28/2003	Hays	295829.06	975125.61	2.17	678.28	573.23	Saline Zone
6709105	10/28/2003	Hays	295041.24	975903.06	2.50	692.23	580.26	Transition Zone
6709106	10/28/2003	Hays	295108.76	975913.76	1.32	699.66	580.25	Transition Zone
6709113	10/28/2003	Hays	295019.46	975926.65	1.69	704.73	580.64	Transition Zone
6709401	10/28/2003	Hays	294945.30	975744.51	2.37	642.51	591.69	Transition Zone
6808902	10/28/2003	Hays	295347.28	980010.42	2.83	783.77	586.38	Recharge Zone
6816603	10/30/2003	Hays	294945.22	980058.37	2.76	736.91	581.93	Recharge Zone
58501W2*	10/27/2003	Hays	301335.06	975029.27	NA	738.94	586.66	Recharge Zone
58573GC	10/27/2003	Hays	300551.31	975312.66	NA	824.50	603.46	Recharge Zone
58584CT	10/29/2003	Hays	300336.71	975206.49	1.40	733.40	608.97	Recharge Zone
58584DD	10/29/2003	Hays	300437.82	975140.77	0.40	709.03	615.50	Recharge Zone
58589PC	10/29/2003	Hays	301334.91	975244.84	NA	800.36	609.82	Artesian Zone
67014AA	10/27/2003	Hays	295517.74	975755.59	0.90	724.88	582.20	Recharge Zone
6701813A	10/28/2003	Hays	295328.06	975545.76	3.10	581.12	576.15	Saline Zone
67018BB	10/29/2003	Hays	295339.97	975546.02	1.25	585.03	575.32	Transition Zone
67018CC	10/29/2003	Hays	295337.00	975555.37	2.12	632.70	575.51	Transition Zone
67018DD	10/29/2003	Hays	295313.83	975658.65	1.00	750.96	576.01	Transition Zone
67018EE	10/28/2003	Hays	295429.40	975509.52	2.05	609.92	576.31	Transition Zone
67018FF	10/27/2003	Hays	295409.70	975518.22	2.45	589.37	576.53	Recharge Zone
67091AA	10/27/2003	Hays	295131.73	975934.12	0.41	748.41	579.78	Transition Zone
67091BB	10/27/2003	Hays	295203.48	975807.78	0.55	646.44	578.55	Recharge Zone
67091CC	10/30/2003	Hays	295011.55	975938.17	4.75	732.90	580.47	Transition Zone
7038902*	10/31/2003	Kinney	292448.97	1001540.40	2.10	1378.94	1193.13	Recharge Zone
6825711	10/24/2003	Medina	293025.64	985853.43	2.05	1174.30	914.23	Recharge Zone
6826802	10/30/2003	Medina	293040.74	984829.98	1.20	1006.17	833.20	Artesian Zone
6832802	10/24/2003	Medina	293036.04	990437.64	1.85	1125.36	927.87	Recharge Zone
6833102	10/29/2003	Medina	292820.24	985746.88	1.00	968.23	853.52	Recharge Zone
6833213	10/24/2003	Medina	292929.24	985617.77	2.24	1013.42	883.84	Recharge Zone
6833604	10/29/2003	Medina	292519.87	985319.51	0.90	847.95	725.65	Artesian Zone
6834506	10/27/2003	Medina	292552.74	984846.64	0.85	1043.46	713.20	Artesian Zone
6841301	10/27/2003	Medina	292118.16	985248.37	1.64	759.76	717.12	Artesian Zone
6842106	10/28/2003	Medina	292116.90	985114.72	1.00	774.98	716.86	Artesian Zone
6842112	10/27/2003	Medina	292044.76	985056.68	2.90	762.60	710.90	Artesian Zone
6842502	10/27/2003	Medina	291838.01	984921.79	1.25	728.85	709.85	Artesian Zone
6842504	10/28/2003	Medina	291834.62	984854.86	0.35	724.33	709.01	Artesian Zone
6849813	10/27/2003	Medina	290956.80	985621.88	2.50	663.20	714.21	Artesian Zone
6931708	10/24/2003	Medina	293125.08	991357.04	1.70	1140.92	943.96	Artesian Zone
6932703	10/24/2003	Medina	293202.97	990635.76	1.20	1233.00	1053.42	Recharge Zone
6938601	10/27/2003	Medina	292618.74	991700.46	1.34	1007.82	909.22	Recharge Zone
6938902	10/28/2003	Medina	292244.68	991636.63	0.78	942.32	790.16	Recharge Zone
6939504	10/27/2003	Medina	292703.58	991141.60	1.65	1021.14	900.70	Artesian Zone
6939801	10/30/2003	Medina	292318.83	991110.10	0.70	955.76	782.99	Recharge Zone
6939901	10/30/2003	Medina	292304.27	990914.08	1.13	932.48	774.65	Artesian Zone
6940101	10/28/2003	Medina	292935.75	990729.40	0.61	1023.22	902.19	Artesian Zone
6940102	10/28/2003	Medina	292740.12	990701.62	2.50	966.60	866.72	Recharge Zone
6940202	10/29/2003	Medina	292801.71	990426.21	1.05	997.69	858.89	Recharge Zone
6940209	10/24/2003	Medina	292843.63	990402.17	1.75	1036.16	870.02	Recharge Zone
6940404	10/30/2003	Medina	292602.19	990718.34	1.15	935.18	816.23	Recharge Zone
6940509	10/24/2003	Medina	293317.47	991405.07	1.90	1166.33	1047.04	Artesian Zone
6940510	10/24/2003	Medina	292535.69	990410.02	2.62	915.40	775.35	Recharge Zone
6940901	10/29/2003	Medina	292433.94	990002.76	0.71	878.23	737.18	Recharge Zone
6946601	10/29/2003	Medina	291956.09	991644.17	0.89	884.40	780.73	Artesian Zone
6946602	10/30/2003	Medina	291900.58	991538.20	0.50	908.32	782.01	Artesian Zone
6947306	10/27/2003	Medina	292046.75	990820.20	0.80	886.68	739.72	Artesian Zone
6947503	10/30/2003	Medina	291931.35	991227.60	0.86	884.78	749.39	Artesian Zone
6947602	10/31/2003	Medina	291918.00	990918.45	1.15	862.24	744.06	Artesian Zone
6947603	10/31/2003	Medina	291826.86	990858.49	1.50	844.01	743.60	Artesian Zone

Table A-14. Water levels collected during the October 24 through October 31, 2003 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6948102	10/28/2003	Medina	292104.10	990512.20	0.65	867.03	737.82	Artesian Zone
6948402	10/31/2003	Medina	291929.58	990626.55	0.70	852.93	741.25	Artesian Zone
6956507	10/31/2003	Medina	291018.32	990317.78	1.30	712.77	754.29	Artesian Zone
6956508	10/31/2003	Medina	291022.39	990326.61	1.75	699.92	750.67	Artesian Zone
6963103	10/27/2003	Medina	290639.91	991312.10	4.83	661.18	770.98	Artesian Zone
68339AA	10/28/2003	Medina	292216.49	985351.81	0.85	773.89	722.24	Artesian Zone
68415AA	10/28/2003	Medina	291839.74	985539.90	5.00	951.35	720.82	Artesian Zone
68422AA	10/27/2003	Medina	292213.28	984842.01	0.80	777.53	721.12	Artesian Zone
69396AA	10/28/2003	Medina	292606.12	990858.76	1.00	999.31	841.93	Recharge Zone
6946702-B	10/29/2003	Medina	291546.50	992122.73	2.00	949.73	785.03	Artesian Zone
6935401*	10/28/2003	Uvalde	292630.68	994456.96	1.00	1289.97	1186.99	Artesian Zone
6935602*	10/30/2003	Uvalde	292645.21	993955.12	0.50	1149.72	1094.58	Recharge Zone
6935804*	10/30/2003	Uvalde	292340.20	994207.76	0.00	1153.44	1030.43	Recharge Zone
6936402	10/30/2003	Uvalde	292508.17	993634.36	2.60	1096.34	818.85	Artesian Zone
6936601	10/28/2003	Uvalde	292532.31	993058.54	0.07	1072.36	830.78	Artesian Zone
6937402	10/28/2003	Uvalde	292711.88	992823.47	2.00	1153.22	857.73	Artesian Zone
6942709	10/28/2003	Uvalde	291625.04	995146.26	1.80	1005.63	903.87	Artesian Zone
6943409	10/30/2003	Uvalde	291926.07	994249.71	1.70	1056.46	885.07	Artesian Zone
6943607	10/30/2003	Uvalde	291935.42	993819.05	2.00	1009.65	811.57	Artesian Zone
6943903	10/29/2003	Uvalde	291559.24	993856.72	1.25	954.83	876.95	Artesian Zone
6944108	10/30/2003	Uvalde	292204.37	993621.36	2.50	1040.63	810.18	Artesian Zone
6944301	10/28/2003	Uvalde	292110.57	993048.07	1.15	1001.93	798.45	Artesian Zone
6944402	10/29/2003	Uvalde	291948.42	993536.78	1.00	997.37	815.21	Artesian Zone
6944703	10/29/2003	Uvalde	291526.72	993510.46	1.10	934.41	800.74	Artesian Zone
6944804	10/29/2003	Uvalde	291726.32	993421.98	1.50	952.67	811.02	Artesian Zone
6944902	10/27/2003	Uvalde	291611.24	993018.97	1.97	899.91	792.49	Artesian Zone
6945401	10/29/2003	Uvalde	291909.99	992811.63	0.70	953.79	794.46	Artesian Zone
6950302	10/31/2003	Uvalde	291231.48	994703.73	2.40	904.90	879.80	Artesian Zone
6951401	10/27/2003	Uvalde	291027.83	994403.39	1.36	891.30	850.76	Saline Zone
6951602	10/27/2003	Uvalde	291032.62	993937.83	0.90	863.36	842.61	Saline Zone
6951606	10/27/2003	Uvalde	291135.05	993756.38	2.17	877.55	797.16	Saline Zone
6952202	10/27/2003	Uvalde	291442.62	993258.49	2.70	874.02	793.07	Artesian Zone
6952403	10/27/2003	Uvalde	291156.01	993700.85	0.00	875.11	796.01	Saline Zone
6952404	10/27/2003	Uvalde	291132.99	993637.63	2.52	867.02	797.63	Saline Zone
6953701	10/29/2003	Uvalde	290849.98	992841.32	1.80	748.03	793.02	Artesian Zone
7040901*	10/28/2003	Uvalde	292340.41	1000008.35	0.84	1124.27	1081.24	Recharge Zone
69369AA	10/28/2003	Uvalde	292249.34	992939.57	0.82	1028.59	803.63	Artesian Zone
69439AA	10/29/2003	Uvalde	291558.33	993811.03	0.56	947.76	871.84	Artesian Zone
69443AA	10/28/2003	Uvalde	292024.08	993110.66	1.42	988.44	798.22	Artesian Zone
69493AA	10/28/2003	Uvalde	291438.97	995235.57	0.30	968.16	902.41	Artesian Zone
69501AA	10/28/2003	Uvalde	291421.29	995016.99	0.67	949.79	891.02	Artesian Zone
69502AA	10/28/2003	Uvalde	291237.94	994907.37	0.83	913.08	882.10	Artesian Zone
69502BB	10/28/2003	Uvalde	291429.99	994901.47	0.39	931.63	887.81	Artesian Zone
69502CC	10/28/2003	Uvalde	291234.50	994834.37	2.65	910.31	880.91	Artesian Zone
69502DD	10/28/2003	Uvalde	291412.88	994938.83	0.00	941.30	887.74	Artesian Zone
69503BB	10/28/2003	Uvalde	291448.95	994524.53	0.70	964.16	883.26	Artesian Zone
69503CC	10/27/2003	Uvalde	291300.13	994519.22	0.80	930.35	881.71	Artesian Zone
69505AA	10/28/2003	Uvalde	291127.50	994955.14	6.25	910.75	875.50	Artesian Zone
69505BB	10/27/2003	Uvalde	291137.84	994735.74	1.00	901.20	877.20	Artesian Zone
69506AA	10/27/2003	Uvalde	291135.50	994634.34	0.37	897.12	872.54	Artesian Zone
69511AA	10/29/2003	Uvalde	291429.78	994432.83	1.00	965.57	879.20	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-15. Water levels collected during the July 19 through July 30, 2004 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	7/19/2004	Atascosa	291348.94	984755.96	1.00	711.86	691.69	Artesian Zone
6821806	7/20/2004	Bexar	293745.73	982654.56	2.38	950.66	755.68	Recharge Zone
6827307	7/19/2004	Bexar	293507.78	983750.92	1.10	990.74	817.02	Recharge Zone
6827401	7/20/2004	Bexar	293310.23	984440.12	2.45	1031.45	891.07	Recharge Zone
6827609	7/19/2004	Bexar	293404.55	983941.82	-0.33	960.54	791.11	Recharge Zone
6827610	7/19/2004	Bexar	293251.78	983808.31	2.11	902.05	757.38	Recharge Zone
6827611	7/19/2004	Bexar	293429.12	983738.55	-0.23	964.16	783.18	Recharge Zone
6827612	7/19/2004	Bexar	293403.40	983820.23	2.83	957.84	778.53	Recharge Zone
6828211	7/20/2004	Bexar	293516.12	983254.88	2.65	974.30	774.95	Recharge Zone
6828313	7/15/2004	Bexar	293635.42	983021.73	2.50	948.81	792.65	Recharge Zone
6828314	7/20/2004	Bexar	293534.92	983040.73	1.40	900.53	744.08	Recharge Zone
6828406	7/19/2004	Bexar	293349.54	983558.21	0.80	978.72	750.60	Recharge Zone
6828407	7/14/2004	Bexar	293424.74	983508.18	-0.22	1000.03	757.61	Recharge Zone
6828512	7/23/2004	Bexar	293425.39	983430.47	1.41	951.16	773.51	Recharge Zone
6828515	7/15/2004	Bexar	293347.72	983340.89	1.71	975.69	728.03	Recharge Zone
6828516	7/20/2004	Bexar	293339.23	983447.08	1.46	947.65	744.61	Recharge Zone
6828517	7/14/2004	Bexar	293435.68	983430.17	2.54	963.84	786.62	Recharge Zone
6828518	7/14/2004	Bexar	293438.48	983241.66	2.45	926.61	749.60	Recharge Zone
6828608	7/20/2004	Bexar	293456.85	983048.92	1.90	858.08	756.88	Recharge Zone
6828909	7/22/2004	Bexar	293026.00	983132.00	1.90	783.03	692.79	Artesian Zone
6828920	7/23/2004	Bexar	293230.20	983038.66	0.75	924.96	703.21	Artesian Zone
6828921	7/22/2004	Bexar	293015.00	983222.00	1.10	823.44	694.08	Artesian Zone
6829103	7/20/2004	Bexar	293522.52	982916.82	0.61	952.51	720.00	Recharge Zone
6829112	7/20/2004	Bexar	293558.82	982848.38	2.38	889.00	749.74	Recharge Zone
6829113	7/20/2004	Bexar	293534.14	982828.20	1.52	885.91	743.41	Recharge Zone
6829114	7/20/2004	Bexar	293528.38	982743.41	-0.30	852.60	728.65	Recharge Zone
6829213	7/20/2004	Bexar	293504.46	982708.79	1.30	851.86	707.27	Recharge Zone
6829214	7/20/2004	Bexar	293519.61	982541.04	-0.40	809.91	707.72	Recharge Zone
6829215	7/20/2004	Bexar	293537.05	982623.96	2.10	827.00	714.88	Recharge Zone
6829216	7/21/2004	Bexar	293642.71	982639.92	-0.40	923.70	745.70	Recharge Zone
6829217	7/21/2004	Bexar	293614.86	982623.39	-0.40	919.90	744.82	Recharge Zone
6829418	7/20/2004	Bexar	293455.95	982802.28	2.26	828.15	720.80	Recharge Zone
6829506	7/21/2004	Bexar	293428.56	982620.57	1.35	788.00	692.29	Recharge Zone
6829605	7/21/2004	Bexar	293300.14	982313.51	-2.20	808.08	686.73	Artesian Zone
6829611	7/22/2004	Bexar	293358.00	982307.00	2.80	829.80	681.10	Artesian Zone
6836103	7/21/2004	Bexar	292918.00	983603.00	6.58	907.26	684.24	Artesian Zone
6836107	7/21/2004	Bexar	292918.90	983639.94	3.80	878.20	692.20	Artesian Zone
6836206	7/21/2004	Bexar	292821.00	983253.00	4.20	756.23	693.69	Artesian Zone
6836512	7/21/2004	Bexar	292618.00	983353.00	3.97	685.46	688.31	Artesian Zone
6836901	7/19/2004	Bexar	292449.30	983056.77	3.21	637.24	691.23	Artesian Zone
6837103	7/22/2004	Bexar	292950.00	982913.00	1.00	729.53	689.23	Artesian Zone
6837203	7/20/2004	Bexar	292844.86	982557.39	0.30	730.81	687.46	Artesian Zone
6837304	7/23/2004	Bexar	292808.33	982301.84	2.30	702.68	680.62	Artesian Zone
6837521	7/21/2004	Bexar	292505.56	982539.63	3.85	620.00	685.07	Saline Zone
6837522	7/21/2004	Bexar	292506.39	982540.27	3.97	620.00	689.81	Saline Zone
6837523	7/21/2004	Bexar	292505.99	982539.96	3.74	620.00	684.96	Saline Zone
6837524	7/21/2004	Bexar	292544.35	982640.13	4.24	626.00	690.30	Artesian Zone
6837525	7/21/2004	Bexar	292545.31	982600.94	5.32	624.00	685.92	Artesian Zone
6837526	7/21/2004	Bexar	292555.73	982607.33	4.97	646.17	692.72	Artesian Zone
6837527	7/21/2004	Bexar	292556.75	982607.36	4.34	644.08	688.85	Artesian Zone
6837606	7/21/2004	Bexar	292646.43	982440.21	0.90	677.68	678.79	Artesian Zone
6837722	7/21/2004	Bexar	292323.10	982944.69	3.00	602.71	686.56	Saline Zone
6837723	7/21/2004	Bexar	292306.89	982925.32	2.60	592.88	687.88	Saline Zone
6837724	7/21/2004	Bexar	292244.43	982925.32	1.90	593.03	687.33	Saline Zone
6843402	7/19/2004	Bexar	291848.97	984251.53	1.42	698.44	699.58	Artesian Zone
68293AA	7/24/2004	Bexar	293606.23	982303.67	1.70	967.68	688.68	Recharge Zone
68299BB	7/21/2004	Bexar	293107.56	982444.35	0.50	724.78	683.62	Artesian Zone
68299CC	7/21/2004	Bexar	293100.42	982444.35	0.20	724.12	676.72	Artesian Zone
68302AA	7/23/2004	Bexar	293554.88	981912.77	1.09	780.74	672.41	Artesian Zone
68302BB	7/23/2004	Bexar	293555.87	981906.51	1.25	763.50	675.76	Artesian Zone
68307AA	7/23/2004	Bexar	293104.54	982228.99	1.05	819.10	682.23	Artesian Zone
68377AA*	7/21/2004	Bexar	292439.52	982949.32	-2.70	610.00	704.92	Artesian Zone
68431AA	7/19/2004	Bexar	292157.44	984413.94	1.00	717.01	712.32	Artesian Zone

Table A-15. Water levels collected during the July 19 through July 30, 2004 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6815809	7/20/2004	Comal	294615.40	981035.31	0.35	908.39	669.84	Recharge Zone
6815907	7/21/2004	Comal	294516.81	980822.39	1.45	706.48	638.35	Recharge Zone
6815912	7/21/2004	Comal	294516.23	980827.60	1.53	693.79	639.09	Recharge Zone
6816602*	7/19/2004	Comal	294738.93	980127.10	0.20	608.05	601.45	Artesian Zone
6816701	7/19/2004	Comal	294526.19	980617.24	2.00	711.57	621.67	Transition Zone
6816703	7/19/2004	Comal	294513.18	980535.23	0.70	700.54	619.36	Transition Zone
6816801*	7/19/2004	Comal	294712.36	980310.32	0.50	752.83	624.85	Transition Zone
6816803	7/19/2004	Comal	294611.70	980426.77	1.50	725.39	618.07	Transition Zone
6822603	7/20/2004	Comal	294208.09	981505.67	1.28	945.66	673.17	Recharge Zone
6822807	7/19/2004	Comal	293919.79	981818.17	1.85	895.49	687.12	Transition Zone
6822810	7/19/2004	Comal	293936.98	981825.52	1.30	889.43	687.89	Transition Zone
6822912	7/19/2004	Comal	293726.75	981731.64	2.11	780.00	664.23	Recharge Zone
6823105	7/22/2004	Comal	294253.78	981323.66	1.57	984.88	670.35	Recharge Zone
6823202	7/21/2004	Comal	294241.66	981203.33	1.70	935.75	628.95	Recharge Zone
6823208	7/20/2004	Comal	294405.65	981140.01	0.25	887.63	658.62	Recharge Zone
6823209	7/20/2004	Comal	294314.84	981044.39	0.83	862.03	646.15	Recharge Zone
6823210	7/19/2004	Comal	294252.26	981228.97	0.32	920.23	657.00	Artesian Zone
6823211	7/20/2004	Comal	294439.95	981017.86	1.32	783.32	646.49	Recharge Zone
6823302	7/21/2004	Comal	294248.87	980818.08	1.00	642.59	628.79	Recharge Zone
6823304	7/21/2004	Comal	294240.00	980818.00	0.36	626.17	643.97	Artesian Zone
6823309	7/20/2004	Comal	294307.20	980806.87	0.55	736.21	627.68	Artesian Zone
6823316	7/20/2004	Comal	294316.92	980852.46	1.06	806.52	634.07	Artesian Zone
6823319	7/20/2004	Comal	294315.63	980739.64	1.50	627.63	626.06	Artesian Zone
6823504	7/20/2004	Comal	294016.88	981147.10	3.40	706.18	654.94	Recharge Zone
6823617	7/21/2004	Comal	294220.12	980806.21	2.72	633.22	657.42	Recharge Zone
6823621	7/19/2004	Comal	294140.03	980933.02	0.87	670.81	647.44	Artesian Zone
6823701	7/19/2004	Comal	293856.00	981259.18	0.72	684.73	662.18	Recharge Zone
6823709	7/19/2004	Comal	293825.55	981359.22	1.10	705.51	673.38	Recharge Zone
6823710	7/19/2004	Comal	293948.35	981409.73	0.85	815.67	650.69	Recharge Zone
6823807	7/19/2004	Comal	293958.91	981016.77	1.70	655.88	651.42	Artesian Zone
6824102	7/19/2004	Comal	294441.00	980626.56	2.95	640.88	623.49	Recharge Zone
6830208	7/21/2004	Comal	293636.78	981910.49	2.11	798.09	676.10	Artesian Zone
6830226	7/20/2004	Comal	293654.49	981901.74	1.58	827.31	676.49	Artesian Zone
6830312	7/19/2004	Comal	293646.10	981702.10	0.90	773.18	672.61	Artesian Zone
6830315	7/20/2004	Comal	293632.40	981723.74	2.35	782.22	672.52	Artesian Zone
6823616A	7/21/2004	Comal	294215.64	980759.07	2.40	635.42	644.62	Saline Zone
6823619B	7/21/2004	Comal	294226.60	980810.51	2.30	634.41	648.21	Saline Zone
68302AA	7/20/2004	Comal	293706.05	981935.69	1.25	804.79	673.66	Artesian Zone
6830314*	7/20/2004	Guadalupe	293609.47	981526.05	2.17	871.01	672.64	Artesian Zone
6831403*	7/20/2004	Guadalupe	293423.01	981346.11	2.09	709.08	680.64	Saline Zone
6831511*	7/20/2004	Guadalupe	293245.49	981209.56	2.06	674.00	676.03	Saline Zone
6831808*	7/20/2004	Guadalupe	293057.55	981104.95	2.89	648.92	655.42	Saline Zone
5842819	7/26/2004	Hays	301539.62	974903.26	0.00	672.94	470.34	Recharge Zone
5850221	7/26/2004	Hays	301331.61	974822.28	1.70	675.60	482.92	Recharge Zone
5850301	7/27/2004	Hays	301237.25	974653.70	1.35	652.21	495.66	Recharge Zone
5850417	7/26/2004	Hays	301142.54	975046.01	1.70	806.00	546.25	Recharge Zone
5850801	7/27/2004	Hays	300834.12	974838.72	1.50	662.08	575.92	Recharge Zone
5858101	7/28/2004	Hays	300500.89	975033.50	0.90	706.94	609.89	Recharge Zone
5858123	7/28/2004	Hays	300633.95	975030.23	2.80	700.89	606.04	Recharge Zone
5858407	7/30/2004	Hays	300312.40	975719.92	0.00	758.83	628.17	Recharge Zone
5858413	7/29/2004	Hays	300413.85	975007.77	0.30	709.03	576.92	Recharge Zone
5858510	7/29/2004	Hays	300445.77	974939.29	0.00	752.00	605.91	Recharge Zone
5858705	7/29/2004	Hays	301222.64	975018.99	2.42	724.31	591.34	Recharge Zone
6701303	7/19/2004	Hays	295923.14	975231.71	1.10	719.24	571.33	Transition Zone
6701311	7/20/2004	Hays	295853.15	975329.05	2.48	770.52	568.31	Transition Zone
6701701	7/20/2004	Hays	295342.03	975752.04	0.00	734.50	576.31	Transition Zone
6701809	7/19/2004	Hays	295442.91	975543.59	1.20	601.27	579.88	Recharge Zone
6701812	7/20/2004	Hays	295325.71	975542.13	2.89	580.89	578.69	Saline Zone
6702104	7/20/2004	Hays	295858.05	975217.51	2.61	674.32	573.69	Saline Zone
6702105	7/20/2004	Hays	295729.88	975031.64	2.19	646.70	577.14	Saline Zone
6702106	7/20/2004	Hays	295829.06	975125.61	2.17	678.28	576.39	Saline Zone
6709105	7/20/2004	Hays	295041.24	975903.06	2.50	692.23	584.91	Transition Zone
6709106	7/20/2004	Hays	295108.76	975913.76	1.32	699.66	584.81	Transition Zone
6709113	7/20/2004	Hays	295019.46	975926.65	1.69	704.73	585.24	Transition Zone

Table A-15. Water levels collected during the July 19 through July 30, 2004 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6709401	7/20/2004	Hays	294945.30	975744.51	2.37	642.51	592.00	Transition Zone
6808902	7/20/2004	Hays	295347.28	980010.42	2.83	783.77	594.56	Recharge Zone
6816603	7/21/2004	Hays	294945.22	980058.37	2.76	736.91	586.79	Recharge Zone
58501W2	7/26/2004	Hays	301335.06	975029.27	1.45	738.94	590.36	Recharge Zone
58573GC	7/28/2004	Hays	300551.31	975312.66	0.00	824.50	630.39	Recharge Zone
58584CT	7/28/2004	Hays	300336.71	975206.49	0.00	733.40	632.85	Recharge Zone
58589PC	7/29/2004	Hays	301334.91	975244.84	0.00	800.36	612.67	Artesian Zone
67014AA	7/19/2004	Hays	295517.74	975755.59	0.90	724.88	594.45	Recharge Zone
67017BB	7/20/2004	Hays	295430.94	975817.54	0.77	767.83	588.63	Artesian Zone
6701813A	7/20/2004	Hays	295328.06	975545.76	3.10	581.12	577.96	Saline Zone
6701813B	7/20/2004	Hays	295328.06	975545.76	3.08	581.12	579.05	Saline Zone
6701814B	7/20/2004	Hays	295330.58	975551.08	6.40	575.54	570.38	Saline Zone
67018BB	7/21/2004	Hays	295339.97	975546.02	1.25	585.03	577.44	Transition Zone
67018CC	7/21/2004	Hays	295337.00	975555.37	2.12	632.70	577.50	Transition Zone
67018DD	7/21/2004	Hays	295313.83	975658.65	1.00	750.96	579.08	Transition Zone
67018EE	7/19/2004	Hays	295429.40	975509.52	2.05	609.92	579.79	Transition Zone
67018FF	7/19/2004	Hays	295409.70	975518.22	2.45	589.37	579.89	Recharge Zone
67091AA	7/19/2004	Hays	295131.73	975934.12	0.41	748.41	584.27	Transition Zone
67091BB	7/19/2004	Hays	295203.48	975807.78	0.55	646.44	580.61	Recharge Zone
67091CC	7/21/2004	Hays	295011.55	975938.17	4.75	732.90	585.18	Transition Zone
7038902*	7/22/2004	Kinney	292448.97	1001540.40	2.10	1378.94	1201.19	Recharge Zone
6825711	7/26/2004	Medina	293025.64	985853.43	2.05	1174.30	915.94	Recharge Zone
6826802	7/20/2004	Medina	293040.74	984829.98	1.20	1006.17	808.08	Artesian Zone
6832802	7/26/2004	Medina	293036.04	990437.64	1.85	1125.36	945.04	Recharge Zone
6833102	7/20/2004	Medina	292820.24	985746.88	1.00	968.23	864.44	Recharge Zone
6833213	7/26/2004	Medina	292929.24	985617.77	2.24	1013.42	892.63	Recharge Zone
6833604	7/21/2004	Medina	292519.87	985319.51	0.90	847.95	736.05	Artesian Zone
6834506	7/20/2004	Medina	292552.74	984846.64	0.85	1043.46	723.69	Artesian Zone
6841301	7/19/2004	Medina	292118.16	985248.37	1.64	759.76	727.39	Artesian Zone
6842106	7/21/2004	Medina	292116.90	985114.72	1.00	774.98	727.20	Artesian Zone
6842112	7/19/2004	Medina	292044.76	985056.68	2.90	762.60	712.75	Artesian Zone
6842502	7/19/2004	Medina	291838.01	984921.79	1.25	728.85	713.80	Artesian Zone
6842504	7/19/2004	Medina	291834.62	984854.86	0.35	724.33	718.78	Artesian Zone
6849813	7/19/2004	Medina	290956.80	985621.88	2.50	663.20	718.83	Artesian Zone
6931708	7/26/2004	Medina	293125.08	991357.04	1.70	1140.92	1022.31	Artesian Zone
6932703	7/26/2004	Medina	293202.97	990635.76	1.20	1233.00	1054.47	Recharge Zone
6938601	7/19/2004	Medina	292618.74	991700.46	1.34	1007.82	930.42	Recharge Zone
6938902	7/22/2004	Medina	292244.68	991636.63	0.78	942.32	813.38	Recharge Zone
6938906	7/22/2004	Medina	292319.18	991552.29	1.47	950.41	830.78	Artesian Zone
6939504	7/19/2004	Medina	292703.58	991141.60	1.65	1021.14	928.29	Artesian Zone
6939801	7/19/2004	Medina	292318.83	991110.10	0.70	955.76	806.74	Recharge Zone
6939901	7/19/2004	Medina	292304.27	990914.08	1.13	932.48	796.29	Artesian Zone
6940101	7/19/2004	Medina	292935.75	990729.40	0.61	1023.22	913.55	Artesian Zone
6940102	7/19/2004	Medina	292740.12	990701.62	2.50	966.60	875.05	Recharge Zone
6940209	7/26/2004	Medina	292843.63	990402.17	1.75	1036.16	877.80	Recharge Zone
6940404	7/19/2004	Medina	292602.19	990718.34	1.15	935.18	837.40	Recharge Zone
6940509	7/26/2004	Medina	293317.47	991405.07	1.90	1166.33	1048.94	Artesian Zone
6940510	7/26/2004	Medina	292535.69	990410.02	2.62	915.40	792.41	Recharge Zone
6940901	7/21/2004	Medina	292433.94	990002.76	0.71	878.23	745.48	Recharge Zone
6946601	7/22/2004	Medina	291956.09	991644.17	0.89	884.40	806.82	Artesian Zone
6946602	7/20/2004	Medina	291900.58	991538.20	0.50	908.32	804.01	Artesian Zone
6947301	7/22/2004	Medina	292136.57	990937.05	0.92	915.82	752.82	Artesian Zone
6947306	7/22/2004	Medina	292046.75	990820.20	0.80	886.68	742.67	Artesian Zone
6947503	7/19/2004	Medina	291931.35	991227.60	0.86	884.78	766.08	Artesian Zone
6947602	7/19/2004	Medina	291918.00	990918.45	1.15	862.24	759.98	Artesian Zone
6948102	7/19/2004	Medina	292104.10	990512.20	0.65	867.03	751.59	Artesian Zone
6948402	7/20/2004	Medina	291929.58	990626.55	0.70	852.93	757.62	Artesian Zone
6956501	7/20/2004	Medina	291027.05	990303.59	2.13	714.70	762.97	Artesian Zone
6956507	7/20/2004	Medina	291018.32	990317.78	1.30	712.77	765.83	Artesian Zone
6956508	7/20/2004	Medina	291022.39	990326.61	1.75	699.92	764.51	Artesian Zone
6963103	7/20/2004	Medina	290639.91	991312.10	4.83	661.18	785.98	Artesian Zone
68339AA	7/21/2004	Medina	292216.49	985351.81	0.85	773.89	731.87	Artesian Zone
69396AA	7/19/2004	Medina	292606.12	990858.76	1.00	999.31	859.06	Recharge Zone
6946702-B	7/22/2004	Medina	291546.50	992122.73	2.00	949.73	807.63	Artesian Zone

Table A-15. Water levels collected during the July 19 through July 30, 2004 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6935401*	7/20/2004	Uvalde	292630.68	994456.96	1.00	1289.97	1213.64	Artesian Zone
6935602*	7/20/2004	Uvalde	292645.21	993955.12	0.50	1149.72	1110.25	Recharge Zone
6935804*	7/20/2004	Uvalde	292340.20	994207.76	0.00	1153.44	1037.86	Recharge Zone
6936402	7/20/2004	Uvalde	292508.17	993634.36	2.60	1096.34	844.65	Artesian Zone
6936601	7/19/2004	Uvalde	292532.31	993058.54	0.07	1072.36	862.08	Artesian Zone
6937402	7/19/2004	Uvalde	292711.88	992823.47	2.00	1153.22	879.59	Artesian Zone
6942709	7/22/2004	Uvalde	291625.04	995146.26	1.80	1005.63	904.43	Artesian Zone
6943409	7/20/2004	Uvalde	291926.07	994249.71	1.70	1056.46	894.18	Artesian Zone
6943607	7/20/2004	Uvalde	291935.42	993819.05	2.00	1009.65	848.45	Artesian Zone
6943903	7/20/2004	Uvalde	291559.24	993856.72	1.25	954.83	889.16	Artesian Zone
6944108	7/20/2004	Uvalde	292204.37	993621.36	2.50	1040.63	839.02	Artesian Zone
6944301	7/19/2004	Uvalde	292110.57	993048.07	1.15	1001.93	825.79	Artesian Zone
6944402	7/20/2004	Uvalde	291948.42	993536.78	1.00	997.37	844.49	Artesian Zone
6944703*	7/20/2004	Uvalde	291526.72	993510.46	1.10	934.41	800.64	Artesian Zone
6944902	7/19/2004	Uvalde	291611.24	993018.97	1.97	899.91	818.73	Artesian Zone
6945401	7/20/2004	Uvalde	291909.99	992811.63	0.70	953.79	819.99	Artesian Zone
6950302	7/20/2004	Uvalde	291231.48	994703.73	2.40	904.90	881.60	Artesian Zone
6951401	7/22/2004	Uvalde	291027.83	994403.39	1.36	891.30	846.00	Saline Zone
6951602	7/19/2004	Uvalde	291032.62	993937.83	0.90	863.36	839.94	Saline Zone
6951606	7/19/2004	Uvalde	291135.05	993756.38	2.17	877.55	777.44	Saline Zone
6952202	7/19/2004	Uvalde	291442.62	993258.49	2.70	874.02	817.50	Artesian Zone
6952403	7/19/2004	Uvalde	291156.01	993700.85	0.00	875.11	775.83	Saline Zone
6952404	7/19/2004	Uvalde	291132.99	993637.63	2.52	867.02	784.21	Saline Zone
6953701	7/20/2004	Uvalde	290849.98	992841.32	1.80	748.03	803.40	Artesian Zone
7040901*	7/22/2004	Uvalde	292340.41	1000008.35	0.84	1124.27	1081.23	Recharge Zone
69369AA	7/19/2004	Uvalde	292249.34	992939.57	0.82	1028.59	832.71	Artesian Zone
69439AA	7/20/2004	Uvalde	291558.33	993811.03	0.56	947.76	849.13	Artesian Zone
69443AA	7/19/2004	Uvalde	292024.08	993110.66	1.42	988.44	825.54	Artesian Zone
69501AA	7/21/2004	Uvalde	291421.29	995016.99	0.67	949.79	891.21	Artesian Zone
69502AA	7/21/2004	Uvalde	291237.94	994907.37	0.83	913.08	883.67	Artesian Zone
69502BB	7/22/2004	Uvalde	291429.99	994901.47	0.39	931.63	889.83	Artesian Zone
69502DD	7/21/2004	Uvalde	291412.88	994938.83	0.00	941.30	891.61	Artesian Zone
69503AA	7/22/2004	Uvalde	291444.86	994726.72	0.55	956.79	887.59	Artesian Zone
69503CC	7/19/2004	Uvalde	291300.13	994519.22	0.80	930.35	884.81	Artesian Zone
69505AA	7/21/2004	Uvalde	291127.50	994955.14	6.25	910.75	876.00	Artesian Zone
69505BB	7/19/2004	Uvalde	291137.84	994735.74	1.00	901.20	878.18	Artesian Zone
69506AA	7/19/2004	Uvalde	291135.50	994634.34	0.37	897.12	873.05	Artesian Zone
69511AA	7/21/2004	Uvalde	291429.78	994432.83	1.00	965.57	886.06	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Table A-16. Water levels collected during the December 6 through December 14, 2004 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6850201	12/6/2004	Atascosa	291348.94	984755.96	1.00	711.86	706	Artesian Zone
6821806	12/6/2004	Bexar	293745.73	982654.56	2.38	950.66	745	Recharge Zone
6827307	12/8/2004	Bexar	293507.78	983750.92	1.10	990.74	869	Recharge Zone
6827517	12/6/2004	Bexar	293358.60	984054.19	2.05	997.39	833	Recharge Zone
6827609	12/8/2004	Bexar	293404.55	983941.82	-0.33	960.54	821	Recharge Zone
6827610	12/8/2004	Bexar	293251.78	983808.31	2.11	902.05	783	Recharge Zone
6827611	12/8/2004	Bexar	293429.12	983738.55	-0.23	964.16	808	Recharge Zone
6827612	12/8/2004	Bexar	293403.40	983820.23	2.83	957.84	807	Recharge Zone
6828113	12/6/2004	Bexar	293516.48	983627.53	-0.45	1022.33	828	Recharge Zone
6828211	12/6/2004	Bexar	293516.12	983254.88	2.65	974.30	801	Recharge Zone
6828314	12/7/2004	Bexar	293534.92	983040.73	1.40	900.53	783	Recharge Zone
6828315	12/6/2004	Bexar	293611.27	983118.89	-0.17	946.75	838	Recharge Zone
6828406	12/7/2004	Bexar	293349.54	983558.21	0.80	978.72	772	Recharge Zone
6828407	12/6/2004	Bexar	293424.74	983508.18	-0.22	1000.03	775	Recharge Zone
6828516	12/7/2004	Bexar	293339.23	983447.08	1.46	947.65	751	Recharge Zone
6828518	12/6/2004	Bexar	293438.48	983241.66	2.45	926.61	776	Recharge Zone
6828519	12/6/2004	Bexar	293408.41	983312.86	-0.30	926.84	746	Recharge Zone
6828608	12/7/2004	Bexar	293456.85	983048.92	1.90	858.08	816	Recharge Zone
6828609	12/6/2004	Bexar	293458.65	983213.64	-0.30	926.25	766	Artesian Zone
6828805*	12/7/2005	Bexar	293019.03	983413.50	1.14	1020.37	881	Artesian Zone
6828920	12/7/2004	Bexar	293230.20	983038.66	0.75	924.96	730	Artesian Zone
6829103	12/7/2004	Bexar	293522.52	982916.82	0.61	952.51	736	Recharge Zone
6829112	12/7/2004	Bexar	293558.82	982848.38	2.38	889.00	778	Recharge Zone
6829113	12/7/2004	Bexar	293534.14	982828.20	1.52	885.91	760	Recharge Zone
6829114	12/8/2004	Bexar	293528.38	982743.41	-0.30	852.60	751	Recharge Zone
6829213	12/8/2004	Bexar	293504.46	982708.79	1.30	851.86	731	Recharge Zone
6829214	12/8/2004	Bexar	293519.61	982541.04	-0.40	809.91	733	Recharge Zone
6829215	12/8/2004	Bexar	293537.05	982623.96	2.10	827.00	740	Recharge Zone
6829217	12/8/2004	Bexar	293614.86	982623.39	-0.40	919.90	785	Recharge Zone
6829418	12/7/2004	Bexar	293455.95	982802.28	2.26	828.15	739	Recharge Zone
6829506	12/8/2004	Bexar	293428.56	982620.57	1.35	788.00	714	Recharge Zone
6829605	12/8/2004	Bexar	293300.14	982313.51	-2.20	808.08	699	Artesian Zone
6830802*	12/10/2004	Bexar	293103.37	981851.98	N/A	711.65	639	Artesian Zone
6837120*	12/10/2005	Bexar	292904.81	982756.59	0.00	804.78	678	Artesian Zone
6837203	12/8/2004	Bexar	292844.86	982557.39	0.30	730.81	701	Artesian Zone
6815809	12/8/2004	Comal	294615.40	981035.31	0.35	908.39	701	Recharge Zone
6815907	12/8/2004	Comal	294516.81	980822.39	1.45	706.48	652	Recharge Zone
6815912	12/8/2004	Comal	294516.23	980827.60	1.53	693.79	653	Recharge Zone
6816602	12/7/2004	Comal	294738.93	980127.10	0.20	608.05	603	Artesian Zone
6816701	12/8/2004	Comal	294526.19	980617.24	2.00	711.57	627	Transition Zone
6816703	12/7/2004	Comal	294513.18	980535.23	0.70	700.54	626	Transition Zone
6816801*	12/7/2004	Comal	294712.36	980310.32	0.50	752.83	634	Transition Zone
6816803	12/7/2004	Comal	294611.70	980426.77	1.50	725.39	625	Transition Zone
6822603	12/9/2004	Comal	294208.09	981505.67	1.28	945.66	701	Recharge Zone
6822807	12/7/2004	Comal	293919.79	981818.17	1.85	895.49	705	Transition Zone
6822810	12/7/2004	Comal	293936.98	981825.52	1.30	889.43	710	Transition Zone
6822912	12/8/2004	Comal	293726.75	981731.64	2.11	780.00	680	Recharge Zone
6823105	12/9/2004	Comal	294253.78	981323.66	1.57	984.88	684	Recharge Zone
6823208	12/8/2004	Comal	294405.65	981140.01	0.25	887.63	672	Recharge Zone
6823210	12/6/2004	Comal	294252.26	981228.97	0.32	920.23	658	Artesian Zone
6823211	12/8/2004	Comal	294439.95	981017.86	1.32	783.32	662	Recharge Zone
6823302	12/6/2004	Comal	294248.87	980818.08	1.00	642.59	632	Recharge Zone
6823304	12/6/2004	Comal	294240.00	980818.00	0.36	626.17	652	Artesian Zone
6823309	12/6/2004	Comal	294307.20	980806.87	0.55	736.21	632	Artesian Zone
6823316	12/6/2004	Comal	294316.92	980852.46	1.06	806.52	638	Artesian Zone
6823504	12/8/2004	Comal	294016.88	981147.10	3.40	706.18	665	Recharge Zone
6823602*	12/8/2004	Comal	294206.76	980904.03	1.35	703.01	678	Recharge Zone
6823621	12/7/2004	Comal	294140.03	980933.02	0.87	670.81	656	Artesian Zone
6823701	12/8/2004	Comal	293856.00	981259.18	0.72	684.73	674	Recharge Zone
6823709	12/8/2004	Comal	293825.55	981359.22	1.10	705.51	689	Recharge Zone
6823710	12/8/2004	Comal	293948.35	981409.73	0.85	815.67	676	Recharge Zone

Table A-16. Water levels collected during the December 6 through December 14, 2004 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6830208	12/6/2004	Comal	293636.78	981910.49	2.11	798.09	694	Artesian Zone
6830226	12/7/2004	Comal	293654.49	981901.74	1.58	827.31	693	Artesian Zone
6830312	12/6/2004	Comal	293646.10	981702.10	0.90	773.18	685	Artesian Zone
6823616A	12/8/2004	Comal	294215.64	980759.07	2.40	635.42	653	Saline Zone
6823619B	12/8/2004	Comal	294226.60	980810.51	2.30	634.41	657	Saline Zone
68241AA	12/8/2004	Comal	294452.19	980659.64	1.60	683.75	628	Recharge Zone
68302AA	12/9/2004	Comal	293706.05	981935.69	1.25	804.79	705	Tranzition Zone
5850221*	12/12/2004	Hays	301331.61	974822.28	1.70	675.60	491	Recharge Zone
5850301*	12/12/2004	Hays	301237.25	974653.70	1.35	652.21	507	Recharge Zone
5850417*	12/12/2004	Hays	301142.54	975046.01	1.70	806.00	560	Recharge Zone
5850801	12/13/2004	Hays	300834.12	974838.72	1.50	662.08	616	Recharge Zone
5857502*	12/12/2004	Hays	300358.85	975640.10	0.00	890.00	738	Recharge Zone
5857509	12/8/2004	Hays	300420.65	975513.13	N/A	796.53	719	Recharge Zone
5857903	12/13/2004	Hays	300218.59	975310.20	0.50	826.30	654	Artesian Zone
5858101	12/12/2004	Hays	300500.89	975033.50	0.90	706.94	649	Recharge Zone
5858123	12/12/2004	Hays	300633.95	975030.23	2.80	700.89	624	Recharge Zone
5858510*	12/14/2004	Hays	300445.77	974939.29	0.00	752.00	624	Recharge Zone
6701303*	12/6/2004	Hays	295923.14	975231.71	1.10	719.24	571	Transition Zone
6701701	12/7/2004	Hays	295342.03	975752.04	0.00	734.50	586	Transition Zone
6701809	12/6/2004	Hays	295442.91	975543.59	1.20	601.27	585	Recharge Zone
6701812	12/8/2004	Hays	295325.71	975542.13	2.89	580.89	582	Saline Zone
6709105	12/7/2004	Hays	295041.24	975903.06	2.50	692.23	593	Transition Zone
6709106	12/7/2004	Hays	295108.76	975913.76	1.32	699.66	592	Transition Zone
6709110*	12/6/2004	Hays	295036.89	975856.09	2.00	678.88	583	Artesian Zone
6808902	12/7/2004	Hays	295347.28	980010.42	2.83	783.77	611	Recharge Zone
6816603	12/9/2004	Hays	294945.22	980058.37	2.76	736.91	595	Recharge Zone
58499BQ	12/12/2004	Hays	300733.00	975413.00	2.00	784.00	724	Recharge Zone
58501W2	12/12/2004	Hays	301335.06	975029.27	1.45	738.94	594	Recharge Zone
58573GC	12/12/2004	Hays	300551.31	975312.66	0.00	824.50	639	Recharge Zone
58584CT	12/12/2004	Hays	300336.71	975206.49	0.00	733.40	652	Recharge Zone
67014AA	12/6/2004	Hays	295517.74	975755.59	0.90	724.88	611	Recharge Zone
67017BB	12/7/2004	Hays	295430.94	975817.54	0.77	767.83	594	Artesian Zone
6701813A	12/8/2004	Hays	295328.06	975545.76	3.10	581.12	581	Saline Zone
6701813B	12/8/2004	Hays	295328.06	975545.76	3.08	581.12	582	Saline Zone
67018BB	12/8/2004	Hays	295339.97	975546.02	1.25	585.03	581	Transition Zone
67018CC	12/8/2004	Hays	295337.00	975555.37	2.12	632.70	580	Transition Zone
67018DD	12/8/2004	Hays	295313.83	975658.65	1.00	750.96	584	Transition Zone
67018EE	12/6/2004	Hays	295429.40	975509.52	2.05	609.92	585	Transition Zone
67018FF	12/6/2004	Hays	295409.70	975518.22	2.45	589.37	584	Recharge Zone
67091AA	12/6/2004	Hays	295131.73	975934.12	0.41	748.41	592	Transition Zone
67091BB	12/6/2004	Hays	295203.48	975807.78	0.55	646.44	599	Recharge Zone
67091CC	12/9/2004	Hays	295011.55	975938.17	4.75	732.90	595	Transition Zone
7038902*	12/9/2004	Kinney	292448.97	1001540.40	2.10	1378.94	1202	Recharge Zone
6826802	12/9/2004	Medina	293040.74	984829.98	1.20	1006.17	839	Artesian Zone
6833102	12/8/2004	Medina	292820.24	985746.88	1.00	968.23	872	Recharge Zone
6833604	12/9/2004	Medina	292519.87	985319.51	0.90	847.95	757	Artesian Zone
6834506	12/6/2004	Medina	292552.74	984846.64	0.85	1043.46	744	Artesian Zone
6841301	12/6/2004	Medina	292118.16	985248.37	1.64	759.76	744	Artesian Zone
6842106	12/9/2004	Medina	292116.90	985114.72	1.00	774.98	748	Artesian Zone
6842112*	12/6/2004	Medina	292044.76	985056.68	2.90	762.60	719	Artesian Zone
6938601	12/8/2004	Medina	292618.74	991700.46	1.34	1007.82	935	Recharge Zone
6938902	12/8/2004	Medina	292244.68	991636.63	0.78	942.32	828	Recharge Zone
6938906	12/8/2004	Medina	292319.18	991552.29	1.47	950.41	838	Artesian Zone
6939504	12/8/2004	Medina	292703.58	991141.60	1.65	1021.14	996	Artesian Zone
6939801	12/8/2004	Medina	292318.83	991110.10	0.70	955.76	820	Recharge Zone
6939901	12/8/2004	Medina	292304.27	990914.08	1.13	932.48	810	Artesian Zone
6940101	12/8/2004	Medina	292935.75	990729.40	0.61	1023.22	919	Artesian Zone
6940102	12/8/2004	Medina	292740.12	990701.62	2.50	966.60	881	Recharge Zone
6940404	12/8/2004	Medina	292602.19	990718.34	1.15	935.18	843	Recharge Zone
6940901	12/8/2004	Medina	292433.94	990002.76	0.71	878.23	768	Recharge Zone
6946601	12/8/2004	Medina	291956.09	991644.17	0.89	884.40	822	Artesian Zone
6946602	12/8/2004	Medina	291900.58	991538.20	0.50	908.32	818	Artesian Zone

Table A-16. Water levels collected during the December 6 through December 14, 2004 SWLP event.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone
6947301	12/10/2004	Medina	292136.57	990937.05	0.92	915.82	772	Artesian Zone
6947306	12/8/2004	Medina	292046.75	990820.20	0.80	886.68	773	Artesian Zone
6947503	12/6/2004	Medina	291931.35	991227.60	0.86	884.78	782	Artesian Zone
6947602	12/6/2004	Medina	291918.00	990918.45	1.15	862.24	778	Artesian Zone
6947603	12/6/2004	Medina	291826.86	990858.49	1.50	844.01	778	Artesian Zone
6948102	12/6/2004	Medina	292104.10	990512.20	0.65	867.03	770	Artesian Zone
6948402	12/6/2004	Medina	291929.58	990626.55	0.70	852.93	767	Artesian Zone
6956507	12/9/2004	Medina	291018.32	990317.78	1.30	712.77	782	Artesian Zone
6956508	12/9/2004	Medina	291022.39	990326.61	1.75	699.92	783	Artesian Zone
6963103	12/9/2004	Medina	290639.91	991312.10	4.83	661.18	786	Artesian Zone
68339AA	12/8/2004	Medina	292216.49	985351.81	0.85	773.89	752	Artesian Zone
68422AA	12/7/2004	Medina	292213.28	984842.01	0.80	777.53	738	Artesian Zone
69396AA	12/8/2004	Medina	292606.12	990858.76	1.00	999.31	867	Recharge Zone
6946702-B	12/8/2004	Medina	291546.50	992122.73	2.00	949.73	823	Artesian Zone
69472AA	12/8/2004	Medina	292053.25	991158.62	2.63	909.27	786	Artesian Zone
6935401	12/6/2004	Uvalde	292630.68	994456.96	1.00	1289.97	1208	Artesian Zone
6935602	12/8/2004	Uvalde	292645.21	993955.12	0.50	1149.72	1106	Recharge Zone
6935804	12/8/2004	Uvalde	292340.20	994207.76	0.00	1153.44	1043	Recharge Zone
6936402	12/8/2004	Uvalde	292508.17	993634.36	2.60	1096.34	860	Artesian Zone
6936601	12/7/2004	Uvalde	292532.31	993058.54	0.07	1072.36	890	Artesian Zone
6937402	12/8/2004	Uvalde	292711.88	992823.47	2.00	1153.22	896	Artesian Zone
6942709	12/13/2004	Uvalde	291625.04	995146.26	1.80	1005.63	908	Artesian Zone
6943409	12/8/2004	Uvalde	291926.07	994249.71	1.70	1056.46	899	Artesian Zone
6943607	12/9/2004	Uvalde	291935.42	993819.05	2.00	1009.65	860	Artesian Zone
6943903	12/9/2004	Uvalde	291559.24	993856.72	1.25	954.83	899	Artesian Zone
6944108	12/7/2004	Uvalde	292204.37	993621.36	2.50	1040.63	853	Artesian Zone
6944301	12/7/2004	Uvalde	292110.57	993048.07	1.15	1001.93	839	Artesian Zone
6944402	12/9/2004	Uvalde	291948.42	993536.78	1.00	997.37	852	Artesian Zone
6944703*	12/9/2004	Uvalde	291526.72	993510.46	1.10	934.41	835	Artesian Zone
6944804	12/9/2004	Uvalde	291726.32	993421.98	1.50	952.67	849	Artesian Zone
6944902	12/6/2004	Uvalde	291611.24	993018.97	1.97	899.91	832	Artesian Zone
6945401	12/6/2004	Uvalde	291909.99	992811.63	0.70	953.79	833	Artesian Zone
6950302	12/6/2004	Uvalde	291231.48	994703.73	2.40	904.90	884	Artesian Zone
6951401	12/6/2004	Uvalde	291027.83	994403.39	1.36	891.30	852	Saline Zone
6951602	12/6/2004	Uvalde	291032.62	993937.83	0.90	863.36	840	Saline Zone
6951606	12/6/2004	Uvalde	291135.05	993756.38	2.17	877.55	829	Saline Zone
6952202	12/6/2004	Uvalde	291442.62	993258.49	2.70	874.02	831	Artesian Zone
6952403	12/6/2004	Uvalde	291156.01	993700.85	0.00	875.11	827	Saline Zone
6952404	12/6/2004	Uvalde	291132.99	993637.63	2.52	867.02	829	Saline Zone
6953701	12/7/2004	Uvalde	290849.98	992841.32	1.80	748.03	824	Artesian Zone
7040901	12/13/2004	Uvalde	292340.41	1000008.35	0.84	1124.27	1081	Recharge Zone
69369AA	12/6/2004	Uvalde	292249.34	992939.57	0.82	1028.59	846	Artesian Zone
69438AA	12/9/2004	Uvalde	291716.98	994158.31	0.91	976.58	891	Artesian Zone
69439AA	12/9/2004	Uvalde	291558.33	993811.03	0.56	947.76	890	Artesian Zone
69443AA	12/7/2004	Uvalde	292024.08	993110.66	1.42	988.44	839	Artesian Zone
69493AA	12/8/2004	Uvalde	291438.97	995235.57	0.30	968.16	907	Artesian Zone
69501AA	12/8/2004	Uvalde	291421.29	995016.99	0.67	949.79	896	Artesian Zone
69502AA	12/13/2004	Uvalde	291237.94	994907.37	0.83	913.08	887	Artesian Zone
69502BB	12/13/2004	Uvalde	291429.99	994901.47	0.39	931.63	894	Artesian Zone
69502DD	12/13/2004	Uvalde	291412.88	994938.83	0.00	941.30	895	Artesian Zone
69503AA	12/13/2004	Uvalde	291444.86	994726.72	0.55	956.79	890	Artesian Zone
69503BB	12/6/2004	Uvalde	291448.95	994524.53	0.70	964.16	887	Artesian Zone
69503CC	12/6/2004	Uvalde	291300.13	994519.22	0.80	930.35	889	Artesian Zone
69505AA	12/8/2004	Uvalde	291127.50	994955.14	6.25	910.75	878	Artesian Zone
69505BB	12/8/2004	Uvalde	291137.84	994735.74	1.00	901.20	881	Artesian Zone
69506AA	12/6/2004	Uvalde	291135.50	994634.34	0.37	897.12	875	Artesian Zone
69511AA	12/7/2004	Uvalde	291429.78	994432.83	1.00	965.57	890	Artesian Zone

Note "*" Well visited and water level measured, but not used in potentiometric map.

Appendix B

Synoptic Water Level Program Data for Wells Not Used in Preparation of the Potentiometric Surface Maps

Table B-1 Water levels collected during the July 19 through July 23, 1999 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone	Comments
6827401	7/20/1999	Bexar	293310.23	984440.12	2.45	1,031.45	928.71	Recharge Zone	Water level anomalously high
6837521	7/19/1999	Bexar	292505.56	982539.63	3.70	620.00	673.20	Saline Zone	Well in the saline zone
6837522	7/19/1999	Bexar	292506.39	982540.27	3.70	620.00	675.20	Saline Zone	Well in the saline zone
6837523	7/19/1999	Bexar	292505.99	982539.96	3.60	620.00	672.60	Saline Zone	Well in the saline zone
6815803	7/22/1999	Comal	294609.50	981144.15	1.20	954.97	692.15	Recharge Zone	Water level anomalously high
6816602	7/19/1999	Comal	294738.93	980127.10	0.20	608.05	602.29	Saline Zone	Well in the saline zone
6816803	7/19/1999	Comal	294611.70	980426.77	1.50	725.39	613.03	Transition Zone	Water level anomalously high
6823104	7/22/1999	Comal	294440.35	981327.28	0.95	996.38	714.98	Recharge Zone	Water level anomalously high
6701303	7/20/1999	Hays	295923.14	975231.71	1.10	719.24	548.00	Transition Zone	Water level anomalously low
6702104	7/21/1999	Hays	295858.05	975217.51	2.61	674.32	567.91	Saline Zone	Well in the saline zone
6702105	7/21/1999	Hays	295729.88	975031.64	2.19	646.70	580.03	Saline Zone	Well in the saline zone
6702106	7/21/1999	Hays	295829.06	975125.61	2.17	678.28	581.76	Saline Zone	Well in the saline zone
7038902	7/22/1999	Kinney	292448.97	1001540.40	2.10	1,378.94	1,196.44	Recharge Zone	Only well in the area
6935401	7/20/1999	Uvalde	292630.68	994456.96	1.00	1,289.97	1,162.88	Recharge Zone	Only well in the area
6935804	7/23/1999	Uvalde	292340.20	994207.76	0.00	1,153.44	1,038.64	Recharge Zone	Only well in the area
6943202	7/19/1999	Uvalde	292130.14	994143.52	1.46	1,068.30	944.63	Recharge Zone	Only well in the area
6943606	7/20/1999	Uvalde	291840.29	993828.91	0.90	1,000.09	784.24	Artesian Zone	Water level anomalously low
7040901	7/22/1999	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.44	Artesian Zone	Only well in the area

Table B-2 Water levels collected during the October 25 through October 29, 1999 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft MSL)	Water level (ft MSL)	Aquifer Zone	Comments
68285AA	10/28/1999	Bexar	293315.17	983348.73	1.50	886.78	641.72	Artesian Zone	Water level anomalously low
6831403	10/25/1999	Guadalupe	293423.01	981346.11	2.09	709.08	656.16	Saline Zone	Well in the saline zone
6702104	10/25/1999	Hays	295858.05	975217.51	2.61	674.32	558.15	Saline Zone	Well in the saline zone
6702105	10/25/1999	Hays	295729.88	975031.64	2.19	646.70	580.83	Saline Zone	Well in the saline zone
6702106	10/25/1999	Hays	295829.06	975125.61	2.17	678.28	574.87	Saline Zone	Well in the saline zone
7038902	10/25/1999	Kinney	292448.97	1001540.40	2.10	1,378.94	1,192.47	Recharge Zone	Only well in the area
6935401	10/27/1999	Uvalde	292630.68	994456.96	1.00	1,289.97	1,170.47	Recharge Zone	Only well in the area
6935602	10/27/1999	Uvalde	292645.21	993955.12	0.50	1,149.72	1,083.97	Recharge Zone	Only well in the area
6935804	10/27/1999	Uvalde	292340.20	994207.76	0.00	1,153.44	1,034.49	Recharge Zone	Only well in the area
6943606	10/29/1999	Uvalde	291840.29	993828.91	0.90	1,000.09	770.24	Artesian Zone	Water level anomalously low
7040901	10/25/1999	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.28	Artesian Zone	Only well in the area

Table B-3 Water levels collected during the January 23 through February 3, 2000 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6830807	1/25/2000	Bexar	293129.52	981745.95	1.00	752.90	660.92	Artesian Zone	Water level anomalously high
6843607	1/27/2000	Bexar	291845.83	983348.73	2.59	606.96	659.41	Saline Zone	Well in the saline zone
68285AA	1/28/2000	Bexar	293315.17	983348.73	1.50	886.78	642.06	Recharge Zone	Water level anomalously low
6830314	1/25/2000	Guadalupe	293609.47	981526.05	2.17	871.01	650.02	Artesian Zone	Well in the saline zone
6831403	1/25/2000	Guadalupe	293423.01	981346.11	2.09	709.08	656.16	Saline Zone	Well in the saline zone
6831511	1/25/2000	Guadalupe	293245.49	981209.56	2.06	674.00	653.27	Saline Zone	Well in the saline zone
5857602	1/25/2000	Hays	300427.18	975456.89	N/A	801.94	546.80	Recharge Zone	Water level anomalously low
6702104	1/25/2000	Hays	295858.05	975217.51	2.61	674.32	560.36	Saline Zone	Well in the saline zone
6702105	1/25/2000	Hays	295729.88	975031.64	2.19	646.70	576.41	Saline Zone	Well in the saline zone
6702106	1/25/2000	Hays	295829.06	975125.61	2.17	678.28	574.13	Saline Zone	Well in the saline zone
7038902	1/24/2000	Kinney	292448.97	1001540.40	2.10	1,378.94	1,192.47	Recharge Zone	Only well in the area
6935401	1/23/2000	Uvalde	292630.68	994456.96	1.00	1,289.97	1,169.58	Recharge Zone	Only well in the area
6935602	1/23/2000	Uvalde	292645.21	993955.12	0.50	1,149.72	1,083.57	Recharge Zone	Only well in the area
6935804	1/23/2000	Uvalde	292340.20	994207.76	0.00	1,153.44	1,024.09	Recharge Zone	Only well in the area
7040901	1/24/2000	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.18	Recharge Zone	Only well in the area

Table B-4 Water levels collected during the July 17 through July 25, 2000 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6830807	7/17/2000	Bexar	293129.525	981745.953	1.000	752.901	642.581	Artesian Zone	Water level anomalously high
6837521	7/24/2000	Bexar	292505.560	982539.630	3.700	620.000	641.060	Saline Zone	Well in the saline zone
6837522	7/24/2000	Bexar	292506.390	982540.270	3.700	620.000	642.750	Saline Zone	Well in the saline zone
6837523	7/24/2000	Bexar	292505.990	982539.960	3.600	620.000	640.890	Saline Zone	Well in the saline zone
6843607	7/20/2000	Bexar	291845.829	983348.730	2.590	606.962	634.582	Saline Zone	Well in the saline zone
68289AA	7/19/2000	Bexar	293021.898	983011.834	1.250	819.572	664.072	Artesian Zone	Water level anomalously high
68302BB	7/18/2000	Bexar	293555.872	981906.509	1.250	763.497	618.344	Artesian Zone	Water level anomalously low
68307AA	7/20/2000	Bexar	293104.537	982228.986	1.050	819.100	659.940	Artesian Zone	Water level anomalously high
6823316	7/21/2000	Comal	294316.919	980852.460	1.060	806.524	612.597	Recharge Zone	Water level anomalously low
6830314	7/17/2000	Guadalupe	293609.470	981526.050	2.170	871.010	643.410	Artesian Zone	Well in the saline zone
6831403	7/17/2000	Guadalupe	293423.010	981346.110	2.090	709.080	643.890	Saline Zone	Well in the saline zone
6831511	7/17/2000	Guadalupe	293245.490	981209.560	2.060	674.000	642.863	Saline Zone	Well in the saline zone
6831808	7/17/2000	Guadalupe	293057.550	981104.950	2.890	648.920	639.690	Saline Zone	Well in the saline zone
5857602	7/20/2000	Hays	300427.179	975456.885	N/A	801.942	670.940	Recharge Zone	Water level anomalously low
6702105	7/17/2000	Hays	295729.880	975031.640	2.190	646.700	574.625	Saline Zone	Well in the saline zone
6702106	7/17/2000	Hays	295829.060	975125.610	2.170	678.280	570.980	Saline Zone	Well in the saline zone
7038902	7/17/2000	Kinney	292448.968	1001540.396	2.100	1,378.942	1,188.509	Recharge Zone	Only well in the area
6842112	7/19/2000	Medina	292044.755	985056.679	2.900	762.601	680.324	Artesian Zone	Water level anomalously high
6935401	7/20/2000	Uvalde	292630.677	994456.955	1.000	1,289.970	1,167.050	Recharge Zone	Only well in the area
6935602	7/20/2000	Uvalde	292645.214	993955.118	0.500	1,149.724	1,082.764	Recharge Zone	Only well in the area
6935804	7/19/2000	Uvalde	292340.204	994207.763	0.000	1,153.439	1,011.514	Recharge Zone	Only well in the area
6944703	7/20/2000	Uvalde	291526.716	993510.463	1.380	934.413	688.788	Artesian Zone	Water level anomalously low
7040901	7/18/2000	Uvalde	292340.405	1000008.349	0.840	1,124.265	1,081.108	Recharge Zone	Only well in the area

**Table B-5 Water levels collected during the October 30 through November 3, 2000 SWLP event,
but not used in preparation of the potentiometric map.**

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6829506	11/2/2000	Bexar	293428.56	982620.57	1.35	788.00	646.14	Recharge Zone	Water level anomalously low
6829605	11/6/2000	Bexar	293300.14	982313.51	-2.20	808.08	676.72	Artesian Zone	Water level anomalously high
6843606	10/27/2000	Bexar	291910.97	983912.00	1.83	619.96	680.13	Artesian Zone	Water level anomalously high
68285AA	11/7/2000	Bexar	293315.17	983348.73	1.50	886.78	600.28	Recharge Zone	Water level anomalously low
68377AA	10/31/2000	Bexar	292439.52	982949.32	-2.70	610.00	629.25	Artesian Zone	Water level anomalously low
6815803	10/31/2000	Comal	294609.50	981144.15	1.20	954.97	691.15	Recharge Zone	Water level anomalously high
6815807	10/31/2000	Comal	294517.86	981225.45	0.95	983.77	697.47	Recharge Zone	Water level anomalously high
6823105	10/31/2000	Comal	294253.78	981323.66	1.57	984.88	620.28	Recharge Zone	Water level anomalously low
6823709	10/31/2000	Comal	293825.55	981359.22	0.45	714.11	676.26	Artesian Zone	Water level anomalously high
6831403	10/27/2000	Guadalupe	293423.01	981346.11	2.09	709.08	648.77	Saline Zone	Well in the saline zone
6831511	10/27/2000	Guadalupe	293245.49	981209.56	2.06	674.00	641.65	Saline Zone	Well in the saline zone
6831808	10/27/2000	Guadalupe	293057.55	981104.95	2.89	648.92	634.74	Saline Zone	Well in the saline zone
6701813A	11/2/2000	Hays	295328.06	975545.76	3.10	581.12	574.54	Saline Zone	Well in the saline zone
6701813B	11/2/2000	Hays	295328.06	975545.76	3.08	581.12	577.77	Saline Zone	Well in the saline zone
6701814A	11/2/2000	Hays	295330.58	975551.08	6.40	575.54	574.25	Saline Zone	Well in the saline zone
6701814B	11/2/2000	Hays	295330.58	975551.08	6.40	575.54	573.96	Saline Zone	Well in the saline zone
7038902	10/30/2000	Kinney	292448.97	1001540.40	2.10	1,378.94	1,193.44	Recharge Zone	Only well in the area
6935401	11/1/2000	Uvalde	292630.68	994456.96	1.00	1,289.97	1,185.62	Recharge Zone	Only well in the area
6935602	11/2/2000	Uvalde	292645.21	993955.12	0.50	1,149.72	1,097.48	Recharge Zone	Only well in the area
6935804	11/2/2000	Uvalde	292340.20	994207.76	0.00	1,153.44	1,004.94	Recharge Zone	Only well in the area
6943606	11/2/2000	Uvalde	291840.29	993828.91	0.90	1,000.09	737.68	Artesian Zone	Water level anomalously low
6944703	10/31/2000	Uvalde	291526.72	993510.46	1.38	934.41	736.35	Artesian Zone	Water level anomalously low
6951606	10/31/2000	Uvalde	291135.05	993756.38	2.08	877.55	700.90	Saline Zone	Well in the saline zone
7040901	10/31/2000	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.68	Recharge Zone	Only well in the area

Table B-6 Water levels collected during the February 9 through February 16, 2001 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6829605	2/12/2001	Bexar	293300.14	982313.51	-2.20	808.08	681.50	Artesian Zone	Water level anomalously high
6836103	2/16/2001	Bexar	292918.00	983603.00	2.16	907.26	675.99	Artesian Zone	Water level anomalously low
6843606	2/14/2001	Bexar	291910.97	983912.00	1.83	619.96	698.61	Artesian Zone	Water level anomalously high
68285AA	2/12/2001	Bexar	293315.17	983348.73	1.50	886.78	599.12	Recharge Zone	Water level anomalously low
68377AA	2/13/2001	Bexar	292439.52	982949.32	-2.70	610.00	656.03	Artesian Zone	Water level anomalously low
6823706	2/16/2001	Comal	293753.49	981346.08	1.00	795.00	731.34	Transition Zone	Water level anomalously high
6830314	2/9/2001	Guadalupe	293609.47	981526.05	2.17	871.01	663.61	Artesian Zone	Well in the saline zone
6831403	2/9/2001	Guadalupe	293423.01	981346.11	2.09	709.08	671.92	Saline Zone	Well in the saline zone
6831511	2/9/2001	Guadalupe	293245.49	981209.56	2.06	674.00	663.39	Saline Zone	Well in the saline zone
6831808	2/9/2001	Guadalupe	293057.55	981104.95	2.89	648.92	648.55	Saline Zone	Well in the saline zone
6701812	2/12/2001	Hays	295325.71	975542.13	2.89	580.89	578.39	Saline Zone	Well in the saline zone
6702104	2/9/2001	Hays	295858.05	975217.51	2.61	674.32	569.29	Saline Zone	Well in the saline zone
6702105	2/9/2001	Hays	295729.88	975031.64	2.19	646.70	575.46	Saline Zone	Well in the saline zone
6702106	2/9/2001	Hays	295829.06	975125.61	2.17	678.28	577.08	Saline Zone	Well in the saline zone
58501W2	2/12/2001	Hays	301335.06	975029.27	N/A	738.94	591.55	Artesian Zone	Water level anomalously high
7038902	2/13/2001	Kinney	292448.97	1001540.40	2.10	1,378.94	1,196.90	Recharge Zone	Only well in the area
6842112	2/12/2001	Medina	292044.76	985056.68	2.90	762.60	684.49	Artesian Zone	Water level anomalously low
6935401	2/14/2001	Uvalde	292630.68	994456.96	1.00	1,289.97	1,173.34	Recharge Zone	Only well in the area
6935602	2/14/2001	Uvalde	292645.21	993955.12	0.50	1,149.72	1,093.36	Recharge Zone	Only well in the area
6935804	2/14/2001	Uvalde	292340.20	994207.76	0.00	1,153.44	1,023.53	Recharge Zone	Only well in the area
6943606	2/15/2001	Uvalde	291840.29	993828.91	0.90	1,000.09	736.99	Artesian Zone	Water level anomalously low
7040901	2/12/2001	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.27	Recharge Zone	Only well in the area

Table B-7 Water levels collected during the July 23 through July 27, 2001 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6829605	7/23/2001	Bexar	293300.14	982313.51	-2.20	808.08	669.90	Artesian Zone	Water level anomalously high
6836104	7/26/2001	Bexar	292925.00	983601.00	N/A	885.30	643.08	Artesian Zone	Water level anomalously low
68285AA	7/24/2001	Bexar	293315.17	983348.73	1.50	886.78	608.76	Recharge Zone	Water level anomalously low
6823709	7/26/2001	Comal	293825.55	981359.22	0.45	714.11	667.86	Artesian Zone	Water level anomalously high
6831403	7/23/2001	Guadalupe	293423.01	981346.11	2.09	709.08	659.76	Saline Zone	Well in the saline zone
6831511	7/23/2001	Guadalupe	293245.49	981209.56	2.06	674.00	655.16	Saline Zone	Well in the saline zone
6831808	7/23/2001	Guadalupe	293057.55	981104.95	2.89	648.92	648.49	Saline Zone	Well in the saline zone
58501W2	7/23/2001	Hays	301335.06	975029.27	N/A	738.94	587.64	Artesian Zone	Water level anomalously high
7038902	7/23/2001	Kinney	292448.97	1001540.40	2.10	1,378.94	1,196.64	Recharge Zone	Only well in the area
69489AA	7/24/2001	Medina	291554.58	990220.56	1.10	794.98	723.29	Artesian Zone	Water level anomalously high
6935401	7/24/2001	Uvalde	292630.68	994456.96	1.00	1,289.97	1,167.56	Recharge Zone	Only well in the area
6935602	7/24/2001	Uvalde	292645.21	993955.12	0.50	1,149.72	1,089.09	Recharge Zone	Only well in the area
6935804	7/24/2001	Uvalde	292340.20	994207.76	0.00	1,153.44	1,023.75	Recharge Zone	Only well in the area
6944703	7/25/2001	Uvalde	291526.72	993510.46	1.10	934.41	729.64	Artesian Zone	Water level anomalously low
6944902	7/23/2001	Uvalde	291611.24	993018.97	2.48	899.91	785.22	Artesian Zone	Water level anomalously high
7040901	7/24/2001	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,091.87	Recharge Zone	Only well in the area

Table B-8 Water levels collected during the October 29 through November 2, 2001 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6827401	10/29/2001	Bexar	293310.23	984440.12	2.45	1,031.45	798.17	Recharge Zone	Only well in the area
6829506	10/29/2001	Bexar	293428.56	982620.57	1.35	788.00	679.38	Recharge Zone	Water level anomalously low
6835106	10/29/2001	Bexar	292855.00	984250.00	1.20	959.51	637.82	Artesian Zone	Water level anomalously low
6836103	10/29/2001	Bexar	292918.00	983603.00	2.16	907.26	655.33	Artesian Zone	Water level anomalously low
6836130	10/29/2001	Bexar	292920.00	983606.00	N/A	903.10	655.92	Artesian Zone	Water level anomalously low
6837521	11/1/2001	Bexar	292505.56	982539.63	3.70	620.00	674.55	Saline Zone	Well in the saline zone
6837522	11/1/2001	Bexar	292506.39	982540.27	3.70	620.00	675.67	Saline Zone	Well in the saline zone
6837523	11/1/2001	Bexar	292505.99	982539.96	3.60	620.00	674.38	Saline Zone	Well in the saline zone
68285AA	11/1/2001	Bexar	293315.17	983348.73	1.50	886.78	611.57	Recharge Zone	Water level anomalously low
68299CC	10/31/2001	Bexar	293100.42	982444.35	0.20	724.12	662.18	Artesian Zone	Water level anomalously low
68377AA	11/1/2001	Bexar	292439.52	982949.32	-2.70	610.00	649.48	Artesian Zone	Water level anomalously low
6823209	11/1/2001	Comal	294314.84	981044.39	0.83	862.03	605.60	Recharge Zone	Water level anomalously low
6823316	11/1/2001	Comal	294316.92	980852.46	1.06	806.52	612.30	Recharge Zone	Water level anomalously low
6823709	11/1/2001	Comal	293825.55	981359.22	0.45	714.11	671.59	Artesian Zone	Water level anomalously high
6830314	10/30/2001	Guadalupe	293609.47	981526.05	2.17	871.01	660.86	Artesian Zone	Well in the saline zone
6831403	10/30/2001	Guadalupe	293423.01	981346.11	2.09	709.08	668.64	Saline Zone	Well in the saline zone
6831511	10/30/2001	Guadalupe	293245.49	981209.56	2.06	674.00	661.39	Saline Zone	Well in the saline zone
6831808	10/30/2001	Guadalupe	293057.55	981104.95	2.89	648.92	648.54	Saline Zone	Well in the saline zone
6702104	10/30/2001	Hays	295858.05	975217.51	2.61	674.32	561.06	Saline Zone	Well in the saline zone
6702105	10/30/2001	Hays	295729.88	975031.64	2.19	646.70	578.01	Saline Zone	Well in the saline zone
6702106	10/30/2001	Hays	295829.06	975125.61	2.17	678.28	577.25	Saline Zone	Well in the saline zone
6709401	10/30/2001	Hays	294945.30	975744.51	2.37	642.51	590.65	Saline Zone	Well in the saline zone
58501W2	10/27/2001	Hays	301335.06	975029.27	N/A	738.94	586.98	Artesian Zone	Water level anomalously high
7038902	10/29/2001	Kinney	292448.97	1001540.40	2.10	1,378.94	1,191.64	Recharge Zone	Only well in the area
6842112	10/29/2001	Medina	292044.76	985056.68	2.90	762.60	691.07	Artesian Zone	Water level anomalously low
6935401	11/1/2001	Uvalde	292630.68	994456.96	1.00	1,289.97	1,170.82	Recharge Zone	Only well in the area
6935602	11/1/2001	Uvalde	292645.21	993955.12	0.50	1,149.72	1,090.18	Recharge Zone	Only well in the area
6935804	11/1/2001	Uvalde	292340.20	994207.76	0.00	1,153.44	1,025.66	Recharge Zone	Only well in the area
7040901	10/29/2001	Uvalde	292340.41	100008.35	0.84	1,124.27	1,081.11	Recharge Zone	Only well in the area
6948303	11/2/2001	Medina	292125.12	990051.43	2.55	1,007.08	699.95	Artesian Zone	Water level anomalously low

Table B-9 Water levels collected during the January 28 through February 4, 2002 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6835106	2/4/2002	Bexar	292855.00	984250.00	1.20	959.51	638.59	Artesian Zone	Water level anomalously low
6836103	2/4/2002	Bexar	292918.00	983603.00	2.16	907.26	652.69	Artesian Zone	Water level anomalously low
6843607	1/28/2002	Bexar	291845.83	983348.73	2.59	606.96	677.89	Saline Zone	Well in the saline zone
68299CC	1/30/2002	Bexar	293100.42	982444.35	0.20	724.12	707.17	Artesian Zone	Water level anomalously high
68377AA	2/1/2002	Bexar	292439.52	982949.32	-2.70	610.00	661.32	Artesian Zone	Water level anomalously low
68437AA	1/28/2002	Bexar	291711.08	984331.52	3.10	639.33	673.66	Artesian Zone	Water level anomalously low
6822603	1/29/2002	Comal	294208.09	981505.67	1.28	945.66	670.98	Transition Zone	Water level anomalously high
6830314	1/29/2002	Guadalupe	293609.47	981526.05	2.17	871.01	668.33	Artesian Zone	Well in the saline zone
6831403	1/29/2002	Guadalupe	293423.01	981346.11	2.09	709.08	675.48	Saline Zone	Well in the saline zone
6831511	1/29/2002	Guadalupe	293245.49	981209.56	2.06	674.00	668.16	Saline Zone	Well in the saline zone
6702104	1/29/2002	Hays	295858.05	975217.51	2.61	674.32	568.33	Saline Zone	Well in the saline zone
6702105	1/29/2002	Hays	295729.88	975031.64	2.19	646.70	579.60	Saline Zone	Well in the saline zone
6702106	1/29/2002	Hays	295829.06	975125.61	2.17	678.28	582.33	Saline Zone	Well in the saline zone
6709401	1/29/2002	Hays	294945.30	975744.51	2.37	642.51	592.89	Saline Zone	Well in the saline zone
58501W2	1/31/2002	Hays	301335.06	975029.27	N/A	738.94	589.79	Artesian Zone	Water level anomalously high
7038902	1/30/2002	Kinney	292448.97	1001540.40	2.10	1,378.94	1,194.44	Recharge Zone	Only well in the area
6842112	1/28/2002	Medina	292044.76	985056.68	2.90	762.60	697.36	Artesian Zone	Water level anomalously low
69489AA*	1/30/2002	Medina	291554.58	990220.56	1.10	794.98	746.98	Artesian Zone	Water level anomalously high
6935401	1/30/2002	Uvalde	292630.68	994456.96	1.00	1,289.97	1,172.11	Recharge Zone	Only well in the area
6935602	1/30/2002	Uvalde	292645.21	993955.12	0.50	1,149.72	1,090.83	Recharge Zone	Only well in the area
6935804	1/30/2002	Uvalde	292340.20	994207.76	0.00	1,153.44	1,032.54	Recharge Zone	Only well in the area
6944703	1/31/2002	Uvalde	291526.72	993510.46	1.10	934.41	771.94	Artesian Zone	Water level anomalously low
7040901	1/29/2002	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.19	Recharge Zone	Only well in the area

Table B-10 Water levels collected during the July 23 through August 2, 2002 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6827401	7/25/2002	Bexar	293310.23	984440.12	2.45	1,031.45	954.31	Recharge Zone	Water level anomalously high
6837521	7/31/2002	Bexar	292505.56	982539.63	3.70	620.00	687.38	Saline Zone	Well in the saline zone
6837522	7/31/2002	Bexar	292506.39	982540.27	3.70	620.00	687.15	Saline Zone	Well in the saline zone
6837523	7/31/2002	Bexar	292505.99	982539.96	3.60	620.00	687.27	Saline Zone	Well in the saline zone
68285AA	7/31/2002	Bexar	293315.17	983348.73	1.50	886.78	699.24	Recharge Zone	Water level anomalously low
68377AA	7/29/2002	Bexar	292439.52	982949.32	-2.70	610.00	665.65	Artesian Zone	Water level anomalously low
68268AA	8/1/2002	Bexar	293127.95	984731.38	3.2	1,040.00	711.15	Artesian Zone	Water level anomalously low
6831403	8/2/2002	Guadalupe	293423.01	981346.11	2.09	709.08	678.24	Saline Zone	Well in the saline zone
6831511	8/2/2002	Guadalupe	293245.49	981209.56	2.06	674.00	668.51	Saline Zone	Well in the saline zone
6831808	8/2/2002	Guadalupe	293057.55	981104.95	2.89	648.92	648.80	Saline Zone	Well in the saline zone
6701303	1/30/2002	Hays	295923.14	975231.71	1.10	719.24	545.70	Transition Zone	Water level anomalously low
6702105	8/2/2002	Hays	295729.88	975031.64	2.19	646.70	579.68	Saline Zone	Well in the saline zone
6702106	8/2/2002	Hays	295829.06	975125.61	2.17	678.28	581.93	Saline Zone	Well in the saline zone
6709401	8/2/2002	Hays	294945.30	975744.51	2.37	642.51	592.71	Saline Zone	Well in the saline zone
58501W2	7/25/2002	Hays	301335.06	975029.27	N/A	738.94	592.34	Artesian Zone	Water level anomalously high
7038902	7/31/2002	Kinney	292448.97	1001540.40	2.10	1,378.94	1,197.54	Recharge Zone	Only well in the area
6842112	7/29/2002	Medina	292044.76	985056.68	2.90	762.60	695.95	Artesian Zone	Water level anomalously low
6935401	7/29/2002	Uvalde	292630.68	994456.96	1.00	1,289.97	1,209.54	Recharge Zone	Only well in the area
6935602	7/31/2002	Uvalde	292645.21	993955.12	0.50	1,149.72	1,111.62	Recharge Zone	Only well in the area
6935804	7/31/2002	Uvalde	292340.20	994207.76	0.00	1,153.44	1,033.91	Recharge Zone	Only well in the area
6944703	7/30/2002	Uvalde	291526.72	993510.46	1.10	934.41	764.81	Artesian Zone	Water level anomalously low
6951606	7/29/2002	Uvalde	291135.05	993756.38	2.08	877.55	732.87	Saline Zone	Water level anomalously low
6952404	7/29/2002	Uvalde	291132.99	993637.63	2.77	867.02	741.09	Saline Zone	Water level anomalously low
7040901	7/31/2002	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.21	Recharge Zone	Only well in the area

Table B-11 Water levels collected during the November 12 through November 19, 2002 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6836103	11/18/2002	Bexar	292918.00	983603.00	2.16	907.26	641.14	Artesian Zone	Water level anomalously low
6843607	11/12/2002	Bexar	291845.83	983348.73	2.59	606.96	682.51	Saline Zone	Well in the saline zone
6816801	11/12/2002	Comal	294712.36	980310.32	0.50	752.83	631.10	Saline Zone	Well in the saline zone
6831403	11/14/2002	Guadalupe	293423.01	981346.11	2.09	709.08	687.75	Saline Zone	Well in the saline zone
6831511	11/14/2002	Guadalupe	293245.49	981209.56	2.06	674.00	675.82	Saline Zone	Well in the saline zone
6831808	11/14/2002	Guadalupe	293057.55	981104.95	2.89	648.92	653.67	Saline Zone	Well in the saline zone
6702104	11/14/2002	Hays	295858.05	975217.51	2.61	674.32	586.55	Saline Zone	Well in the saline zone
6702105	11/14/2002	Hays	295729.88	975031.64	2.19	646.70	580.80	Saline Zone	Well in the saline zone
6702106	11/14/2002	Hays	295829.06	975125.61	2.17	678.28	586.22	Saline Zone	Well in the saline zone
58501W2	11/18/2002	Hays	301335.06	975029.27	N/A	738.94	589.55	Artesian Zone	Water level anomalously high
7038902	11/14/2002	Kinney	292448.97	1001540.40	2.10	1,378.94	1,194.44	Recharge Zone	Only well in the area
6826802	11/13/2002	Medina	293040.74	984829.98	1.20	1,006.17	829.29	Artesian Zone	Water level anomalously high
6842112	11/12/2002	Medina	292044.76	985056.68	2.90	762.60	706.57	Artesian Zone	Water level anomalously low
6947306	11/14/2002	Medina	292046.75	990820.20	0.80	886.68	758.93	Artesian Zone	Water level anomalously low
68419AA	11/13/2002	Medina	291639.82	985244.39	1.00	855.56	687.50	Artesian Zone	Water level anomalously low
6935401	11/12/2002	Uvalde	292630.68	994456.96	1.00	1,289.97	1,209.97	Recharge Zone	Only well in the area
6935602	11/13/2002	Uvalde	292645.21	993955.12	0.50	1,149.72	1,102.72	Recharge Zone	Only well in the area
6935804	11/13/002	Uvalde	292340.20	994207.76	0.00	1,153.44	1,038.52	Recharge Zone	Only well in the area
7040901	11/12/2002	Uvalde	292340.41	1000008.35	0.84	1,124.27	1,081.24	Recharge Zone	Only well in the area

Table B-12. Water levels collected during the February 3 through February 7, 2003 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6836103	2/5/2003	Bexar	292918.00	983603.00	6.58	907.26	683.07	Artesian Zone	Water level anomalously low
6837521	2/4/2003	Bexar	292505.56	982539.63	3.85	620.00	681.60	Saline Zone	Well in the saline zone
6837522	2/4/2003	Bexar	292506.39	982540.27	3.97	620.00	684.03	Saline Zone	Well in the saline zone
6837523	2/4/2003	Bexar	292505.99	982539.96	3.74	620.00	681.49	Saline Zone	Well in the saline zone
6837524	2/4/2003	Bexar	292544.35	982640.13	4.24	626.00	685.68	Saline Zone	Well in the saline zone
68285AA	2/7/2003	Bexar	293315.17	983348.73	1.50	886.78	704.05	Recharge Zone	Water level anomalously low
68377AA	2/3/2003	Bexar	292439.52	982949.32	-2.70	610.00	723.40	Artesian Zone	Water level anomalously high
6831403	2/6/2003	Guadalupe	293423.01	981346.11	2.09	709.08	685.87	Artesian Zone	Well in the saline zone
6831511	2/6/2003	Guadalupe	293245.49	981209.56	2.06	674.00	676.77	Saline Zone	Well in the saline zone
6831808	2/6/2003	Guadalupe	293057.55	981104.95	2.89	648.92	656.66	Saline Zone	Well in the saline zone
6816603	2/4/2003	Hays	294945.22	980058.37	2.76	736.91	583.29	Recharge Zone	Water level anomalously low
58501W2	2/4/2003	Hays	301335.06	975029.27	N/A	738.94	588.90	Recharge Zone	Water level anomalously high
7038902	2/3/2003	Kinney	292448.97	1001540.40	2.10	1378.94	1194.50	Transition Zone	Only well in the area
6842112	2/3/2003	Medina	292044.76	985056.68	2.90	762.60	714.60	Artesian Zone	Water level anomalously low
6948303	2/5/2003	Medina	292125.12	990051.43	2.55	1007.08	726.43	Artesian Zone	Water level anomalously low
6935401	2/4/2003	Uvalde	292630.68	994456.96	1.00	1289.97	1172.51	Artesian Zone	Only well in the area
6935602	2/6/2003	Uvalde	292645.21	993955.12	0.50	1149.72	1089.09	Recharge Zone	Only well in the area
6935804	2/6/2003	Uvalde	292340.20	994207.76	0.00	1153.44	1038.96	Recharge Zone	Only well in the area

Table B-13. Water levels collected during the July 21 through July 25, 2003 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6836103	7/21/2003	Bexar	292918.00	983603.00	6.58	907.26	651.42	Artesian Zone	Water level anomalously low
6837521	7/23/2003	Bexar	292505.56	982539.63	3.85	620.00	681.60	Saline Zone	Well in the saline zone
6837522	7/23/2003	Bexar	292506.39	982540.27	3.97	620.00	682.88	Saline Zone	Well in the saline zone
6837523	7/23/2003	Bexar	292505.99	982539.96	3.74	620.00	680.34	Saline Zone	Well in the saline zone
68377AA	7/25/2003	Bexar	292439.52	982949.32	-2.70	610.00	700.30	Artesian Zone	Water level anomalously high
6831403	7/22/2003	Guadalupe	293423.01	981346.11	2.09	709.08	676.13	Saline Zone	Well in the saline zone
6831511	7/22/2003	Guadalupe	293245.49	981209.56	2.06	674.00	680.46	Saline Zone	Well in the saline zone
6831808	7/22/2003	Guadalupe	293057.55	981104.95	2.89	648.92	652.47	Saline Zone	Well in the saline zone
5857903	7/23/2003	Hays	300218.59	975310.20	N/A	824.02	696.12	Artesian Zone	Water level anomalously high
6702104	7/22/2003	Hays	295858.05	975217.51	2.61	674.32	566.11	Saline Zone	Well in the saline zone
6702105	7/22/2003	Hays	295729.88	975031.64	2.19	646.70	581.66	Saline Zone	Well in the saline zone
6702106	7/22/2003	Hays	295829.06	975125.61	2.17	678.28	582.60	Saline Zone	Well in the saline zone
58501W2	7/23/2003	Hays	301335.06	975029.27	N/A	738.94	587.29	Artesian Zone	Water level anomalously high
7038902	7/21/2003	Kinney	292448.97	1001540.40	2.10	1378.94	1188.66	Recharge Zone	Only well in the area
6826802	7/23/2003	Medina	293040.74	984829.98	1.20	1006.17	887.81	Artesian Zone	Water level anomalously high
6935401	7/22/2003	Uvalde	292630.68	994456.96	1.00	1289.97	1172.97	Recharge Zone	Only well in the area
6935602	7/23/2003	Uvalde	292645.21	993955.12	0.50	1149.72	1098.89	Recharge Zone	Only well in the area
6935804	7/23/2003	Uvalde	292340.20	994207.76	0.00	1153.44	1027.24	Recharge Zone	Only well in the area
6944703	7/23/2003	Uvalde	291526.72	993510.46	1.10	934.41	791.95	Artesian Zone	Water level anomalously low
7040901	7/21/2003	Uvalde	292340.41	1000008.35	0.84	1124.27	1081.11	Recharge Zone	Only well in the area

Table B-14. Water levels collected during the October 24 through October 31, 2003 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6835106	10/29/2003	Bexar	292855.00	984250.00	5.00	959.51	672.37	Artesian Zone	Water level anomalously low
68285AA	10/31/2003	Bexar	293315.17	983348.73	1.50	886.78	659.44	Recharge Zone	Water level anomalously low
68377AA	10/29/2003	Bexar	292439.52	982949.32	-2.70	610.00	695.68	Artesian Zone	Water level anomalously high
6831403	10/28/2003	Guadalupe	293423.01	981346.11	2.09	709.08	675.17	Saline Zone	Well in the saline zone
6831511	10/28/2003	Guadalupe	293245.49	981209.56	2.06	674.00	680.54	Saline Zone	Well in the saline zone
6831808	10/28/2003	Guadalupe	293057.55	981104.95	2.89	648.92	653.56	Saline Zone	Well in the saline zone
5858413	10/29/2003	Hays	300413.85	975007.77	0.30	709.03	552.78	Transition Zone	Water level anomalously high
5858505	10/29/2003	Hays	300405.05	974908.82	NA	753.20	734.00	Artesian Zone	Water level anomalously high
5858510	10/29/2003	Hays	300445.77	974939.29	NA	752.00	588.84	Artesian Zone	Water level anomalously high
5858705	10/29/2003	Hays	301222.64	975018.99	2.42	724.31	585.66	Transition Zone	Water level anomalously high
6702104	10/28/2003	Hays	295858.05	975217.51	2.61	674.32	567.28	Saline Zone	Well in the saline zone
6702105	10/28/2003	Hays	295729.88	975031.64	2.19	646.70	579.68	Saline Zone	Well in the saline zone
6702106	10/28/2003	Hays	295829.06	975125.61	2.17	678.28	573.23	Saline Zone	Well in the saline zone
58501W2	10/27/2003	Hays	301335.06	975029.27	NA	738.94	586.66	Recharge Zone	Water level anomalously high
7038902	10/31/2003	Kinney	292448.97	1001540.40	2.10	1378.94	1193.13	Recharge Zone	Only well in the area
6935401	10/28/2003	Uvalde	292630.68	994456.96	1.00	1289.97	1186.99	Artesian Zone	Only well in the area
6935602	10/30/2003	Uvalde	292645.21	993955.12	0.50	1149.72	1094.58	Recharge Zone	Only well in the area
6935804	10/30/2003	Uvalde	292340.20	994207.76	0.00	1153.44	1030.43	Recharge Zone	Only well in the area
7040901	10/28/2003	Uvalde	292340.41	1000008.35	0.84	1124.27	1081.24	Recharge Zone	Only well in the area

Table B-15. Water levels collected during the July 19 through July 30, 2004 SWLP event, but not used in preparation of the potentiometric map.

Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
68377AA	7/21/2004	Bexar	292439.52	982949.32	-2.70	610.00	704.92	Artesian Zone	Water level anomalously high
6816602	7/19/2004	Comal	294738.93	980127.10	0.20	608.05	601.45	Artesian Zone	Water level anomalously low
6816801	7/19/2004	Comal	294712.36	980310.32	0.50	752.83	624.85	Transition Zone	Water level anomalously low
6830314	7/20/2004	Guadalupe	293609.47	981526.05	2.17	871.01	672.64	Artesian Zone	Well in the saline zone
6831403	7/20/2004	Guadalupe	293423.01	981346.11	2.09	709.08	680.64	Saline Zone	Well in the saline zone
6831511	7/20/2004	Guadalupe	293245.49	981209.56	2.06	674.00	676.03	Saline Zone	Well in the saline zone
6831808	7/20/2004	Guadalupe	293057.55	981104.95	2.89	648.92	655.42	Saline Zone	Well in the saline zone
7038902	7/22/2004	Kinney	292448.97	1001540.40	2.10	1378.94	1201.19	Recharge Zone	Only well in the area
6935401	7/20/2004	Uvalde	292630.68	994456.96	1.00	1289.97	1213.64	Artesian Zone	Only well in the area
6935602	7/20/2004	Uvalde	292645.21	993955.12	0.50	1149.72	1110.25	Recharge Zone	Only well in the area
6935804	7/20/2004	Uvalde	292340.20	994207.76	0.00	1153.44	1037.86	Recharge Zone	Only well in the area
6944703	7/20/2004	Uvalde	291526.72	993510.46	1.10	934.41	800.64	Artesian Zone	Water level anomalously low
7040901	7/22/2004	Uvalde	292340.41	1000008.35	0.84	1124.27	1081.23	Recharge Zone	Only well in the area

Table B-16. Water levels collected during the December 6 through December 14, 2004 SWLP event, but not used in preparation of the potentiometric map.

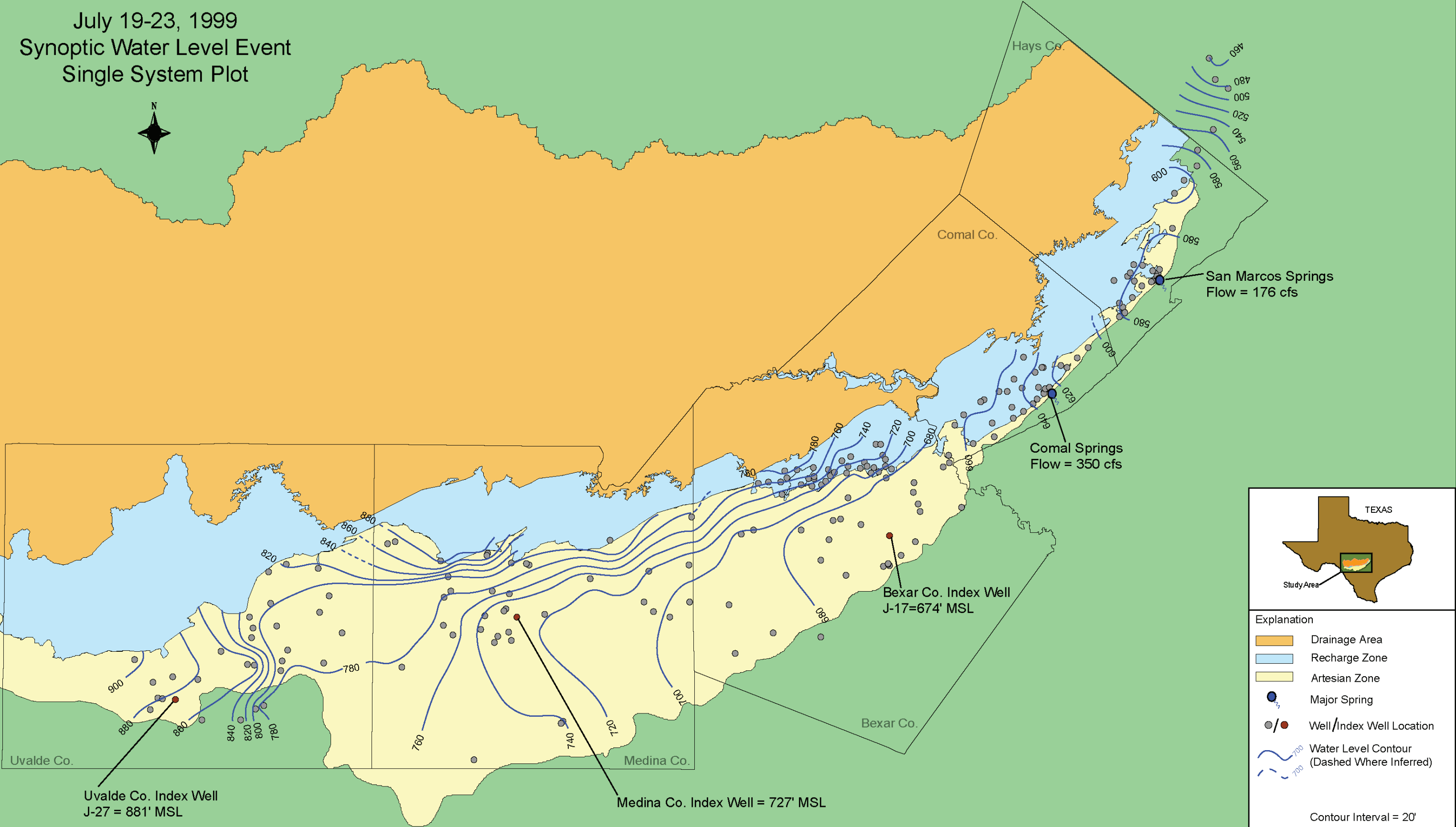
Well ID #	Date	County	Latitude	Longitude	Measuring Point (ft)	LSD (ft)	Water level (ft)	Aquifer Zone	Comments
6837120	12/10/2005	Bexar	292904.81	982756.59	0.00	804.78	677.89	Artesian Zone	Water level anomalously low
6828805	12/7/2005	Bexar	293019.03	983413.50	1.14	1020.37	881.37	Artesian Zone	Water level anomalously high
6830802	12/10/2004	Bexar	293103.37	981851.98	N/A	711.65	638.65	Artesian Zone	Water level anomalously low
6816801	12/7/2004	Comal	294712.36	980310.32	0.50	752.83	634.25	Transition Zone	Water level anomalously high
6823602	12/8/2004	Comal	294206.76	980904.03	1.35	703.01	677.71	Recharge Zone	Water level anomalously high
5850221	12/12/2004	Hays	301331.61	974822.28	1.70	675.60	491.49	Recharge Zone	Water level anomalously low
5850301	12/12/2004	Hays	301237.25	974653.70	1.35	652.21	506.92	Recharge Zone	Well in the saline zone
5850417	12/12/2004	Hays	301142.54	975046.01	1.70	806.00	559.56	Recharge Zone	Water level anomalously high
5857502	12/12/2004	Hays	300358.85	975640.10	0.00	890.00	737.98	Recharge Zone	Water level anomalously high
5858510	12/14/2004	Hays	300445.77	974939.29	0.00	752.00	623.80	Recharge Zone	Water level anomalously high
6701303	12/6/2004	Hays	295923.14	975231.71	1.10	719.24	570.54	Transition Zone	Water level anomalously high
6709110	12/6/2004	Hays	295036.89	975856.09	2.00	678.88	583.26	Artesian Zone	Water level anomalously high
7038902	12/9/2004	Kinney	292448.97	1001540.40	2.10	1378.94	1202.34	Recharge Zone	Only well in the area
6842112	12/6/2004	Medina	292044.76	985056.68	2.90	762.60	719.05	Artesian Zone	Water level anomalously low
6944703	12/9/2004	Uvalde	291526.72	993510.46	1.10	934.41	834.86	Artesian Zone	Only well in the area

Appendix C

Synoptic Water Level Program Potentiometric Surface Maps

Potentiometric Surface Map

July 19-23, 1999
Synoptic Water Level Event
Single System Plot



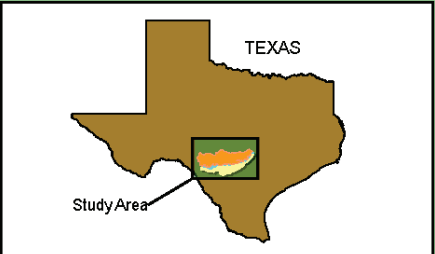
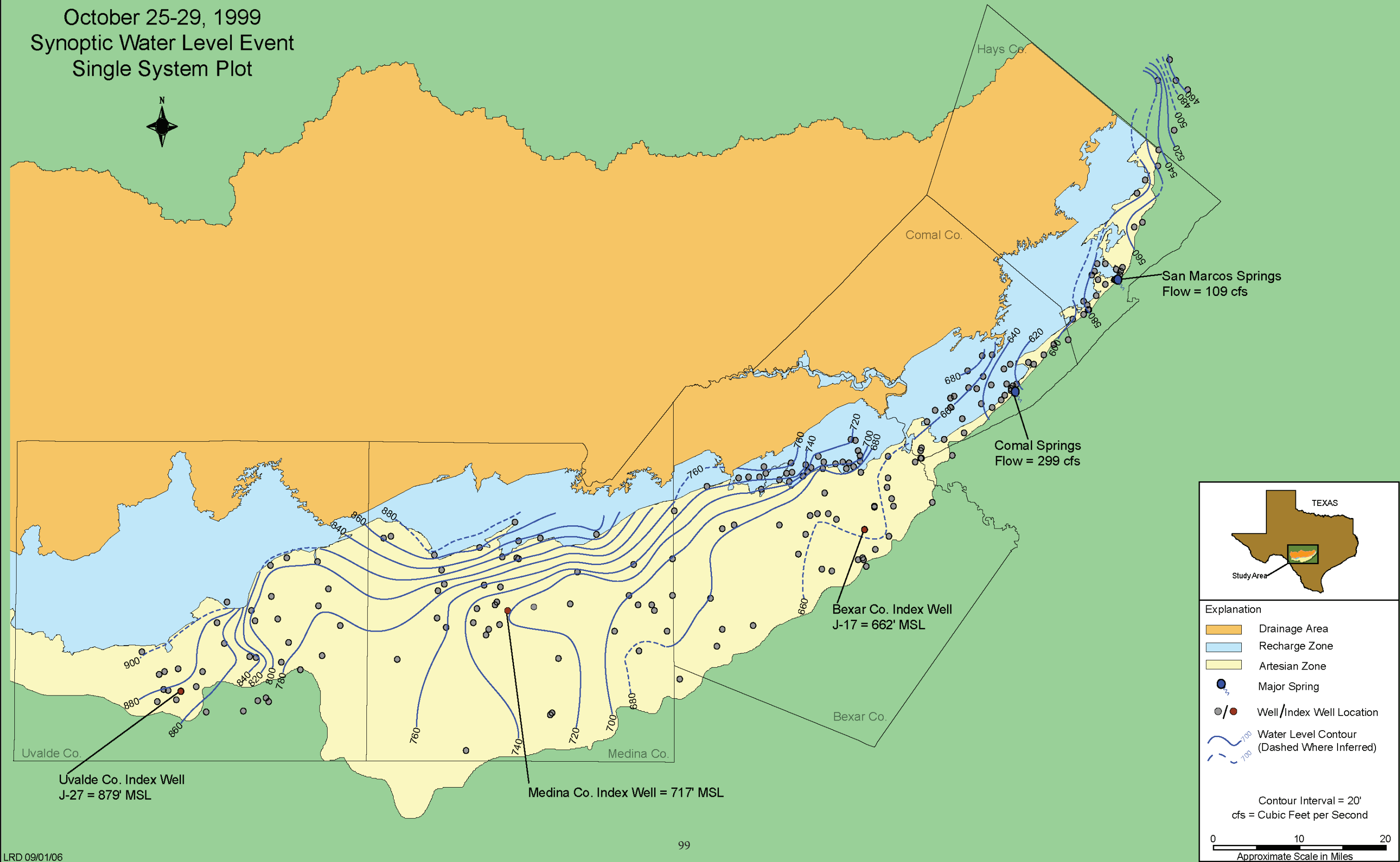
- Explanation
- Drainage Area
 - Recharge Zone
 - Artesian Zone
 - Major Spring
 - Well/Index Well Location
 - Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Potentiometric Surface Map

October 25-29, 1999
Synoptic Water Level Event
Single System Plot



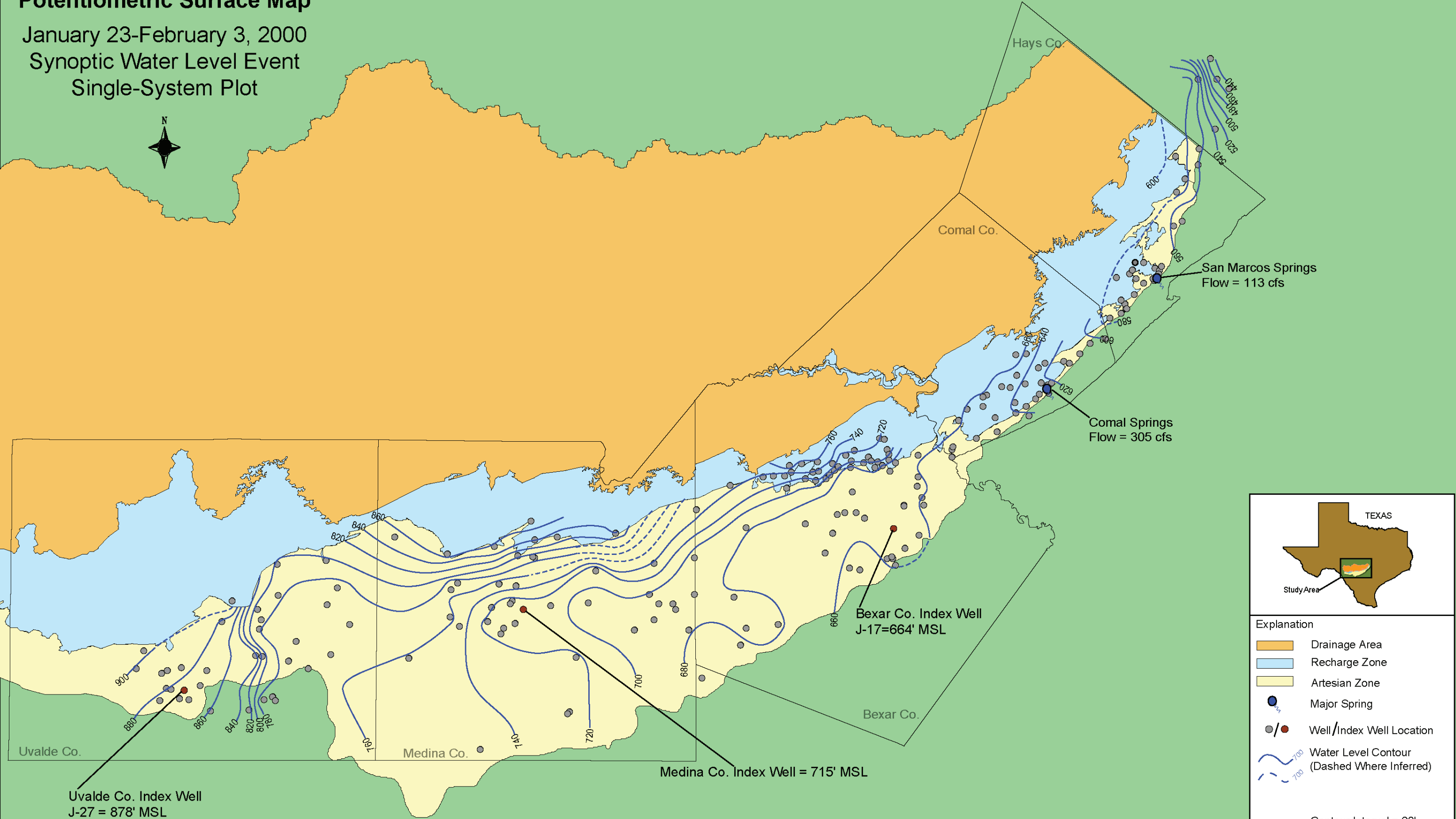
Explanation

- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Potentiometric Surface Map
January 23-February 3, 2000
Synoptic Water Level Event
Single-System Plot



TEXAS

Study Area

Explanation

- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'

cfs = Cubic Feet per Second

0 10 20

Approximate Scale in Miles

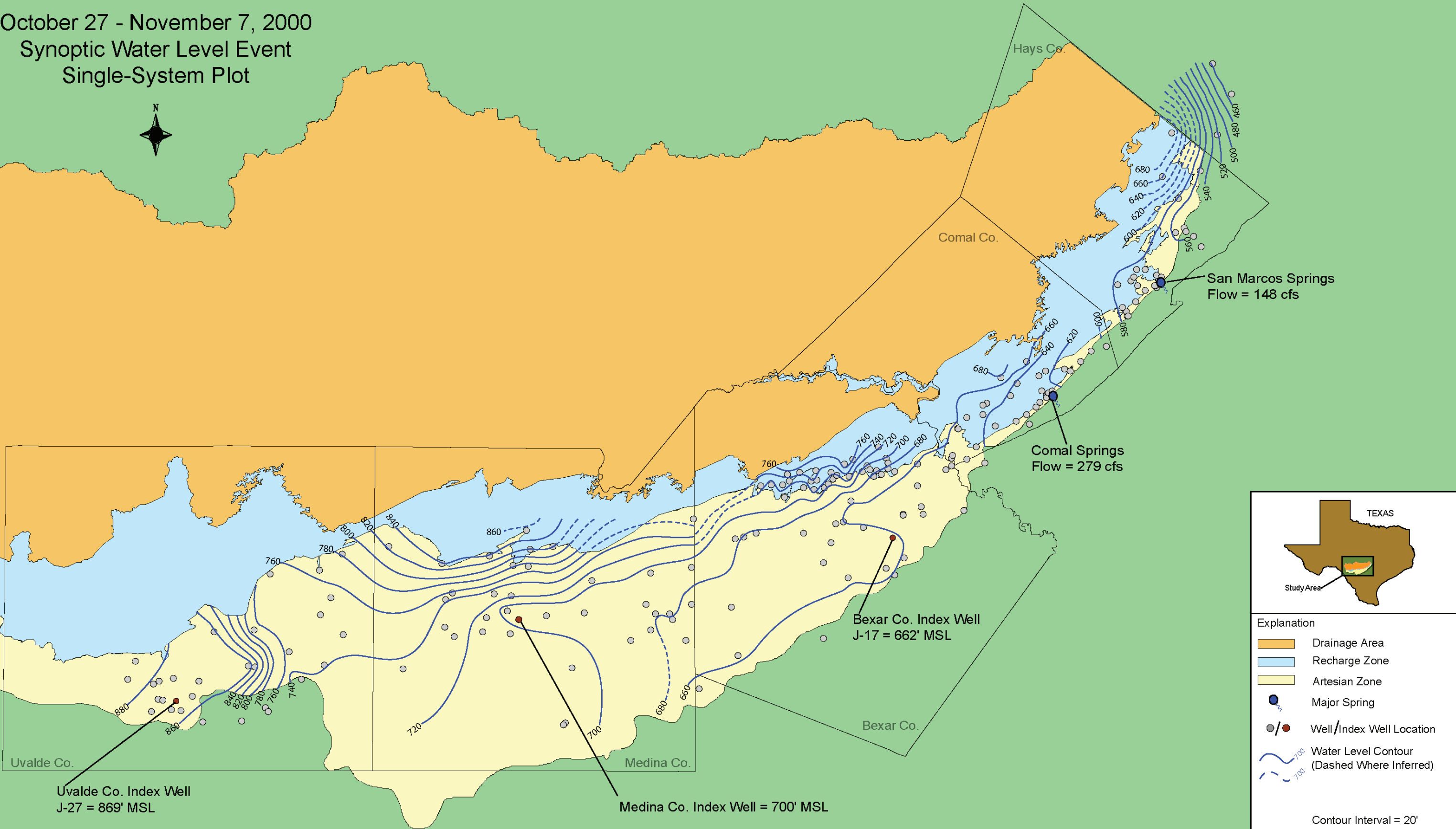
Potentiometric Surface Map

July 17-26, 2000
Synoptic Water Level Event
Two-System Plot



Potentiometric Surface Map

October 27 - November 7, 2000
Synoptic Water Level Event
Single-System Plot



TEXAS

Study Area

Explanation

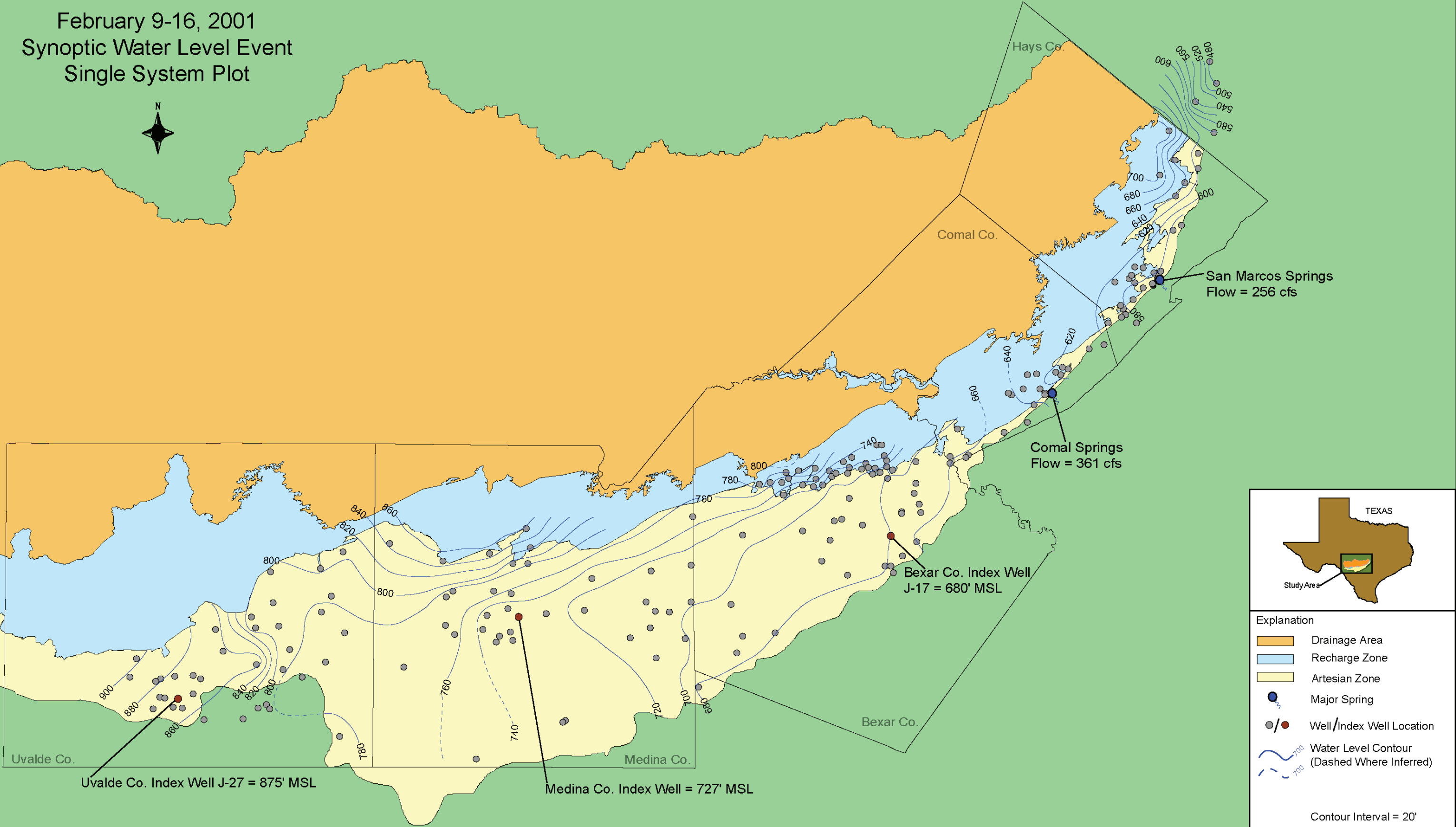
- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Potentiometric Surface Map

February 9-16, 2001
Synoptic Water Level Event
Single System Plot



Explanation

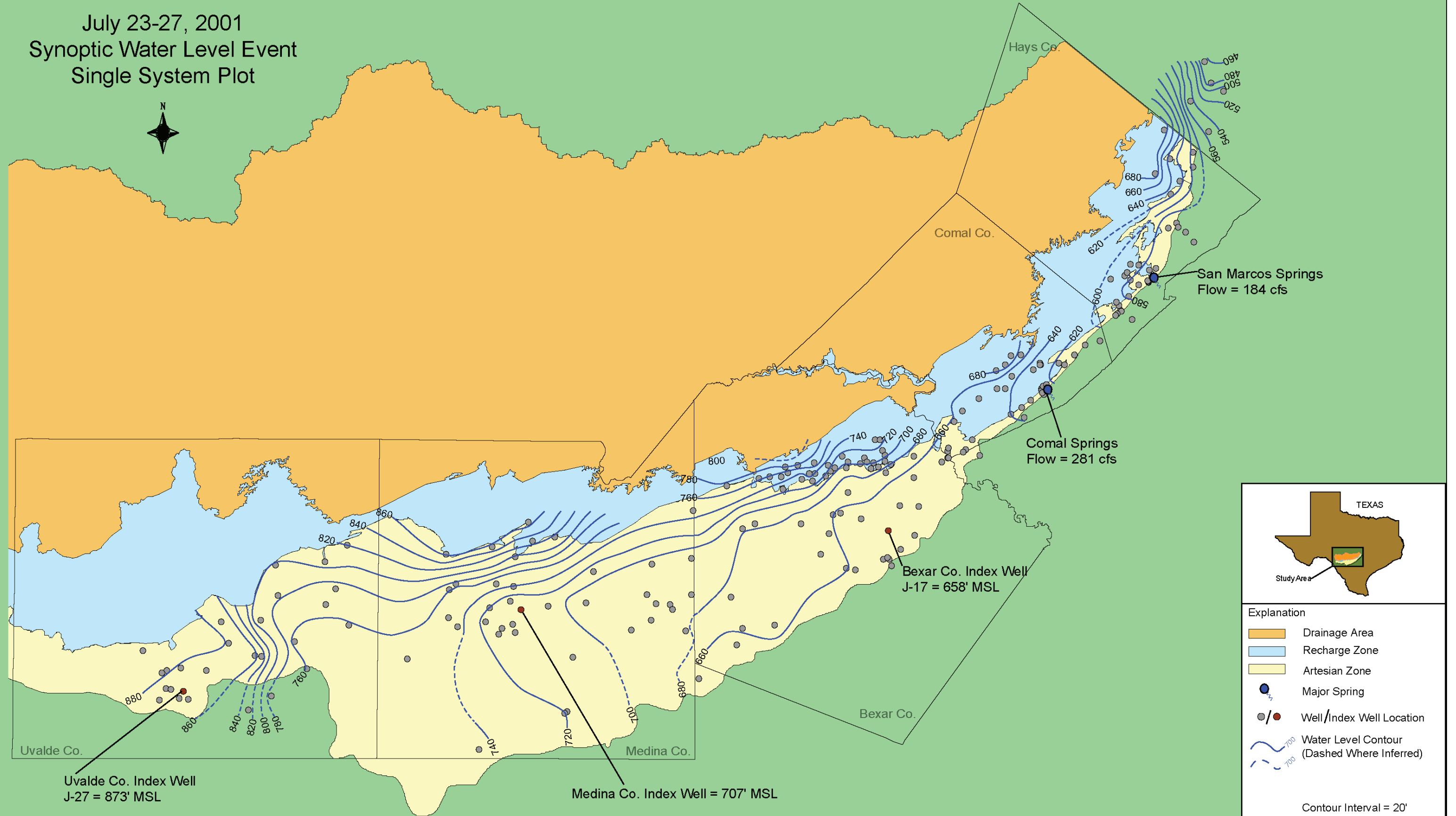
- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Potentiometric Surface Map

July 23-27, 2001
Synoptic Water Level Event
Single System Plot



Explanation

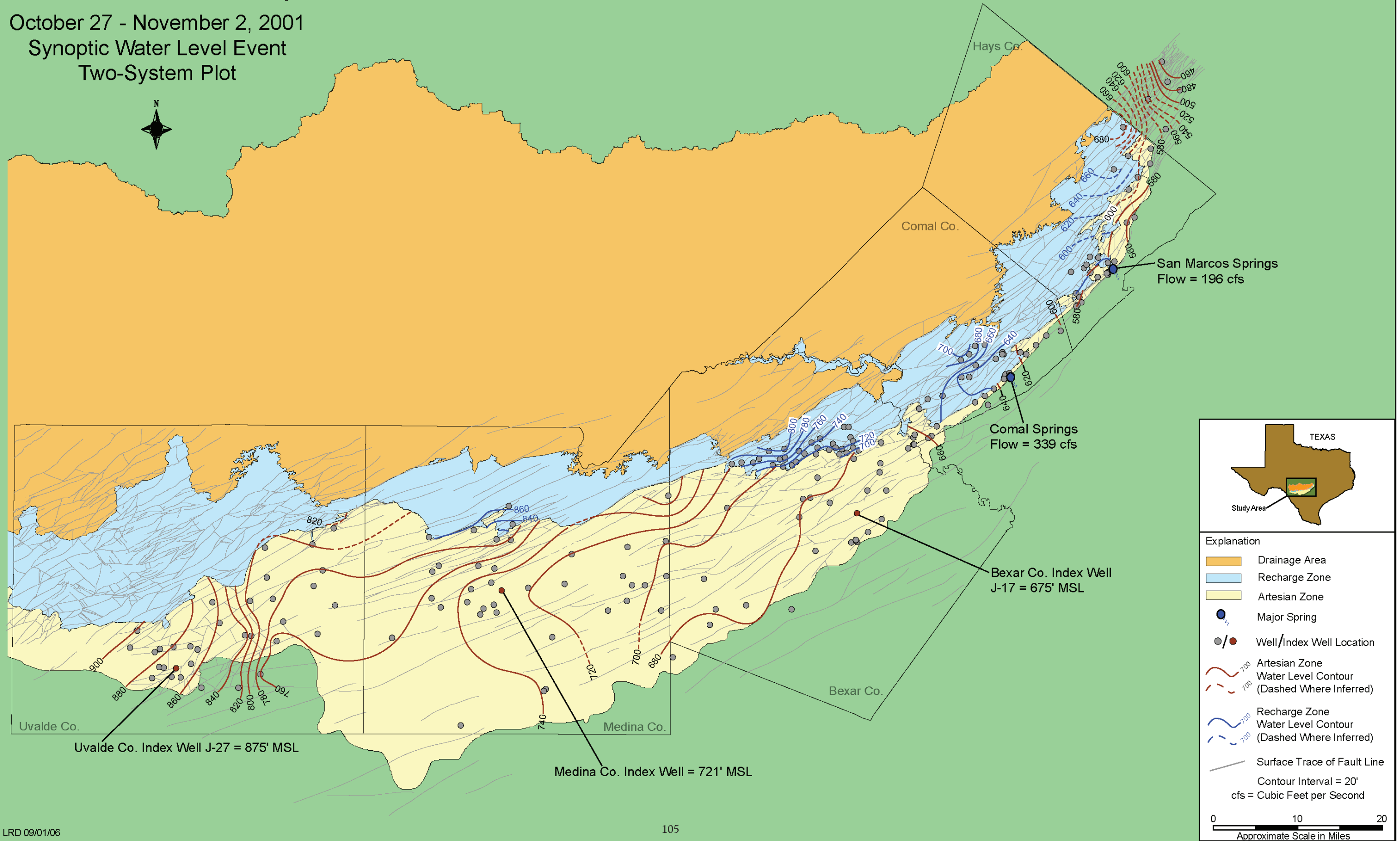
- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Potentiometric Surface Map

October 27 - November 2, 2001
Synoptic Water Level Event
Two-System Plot

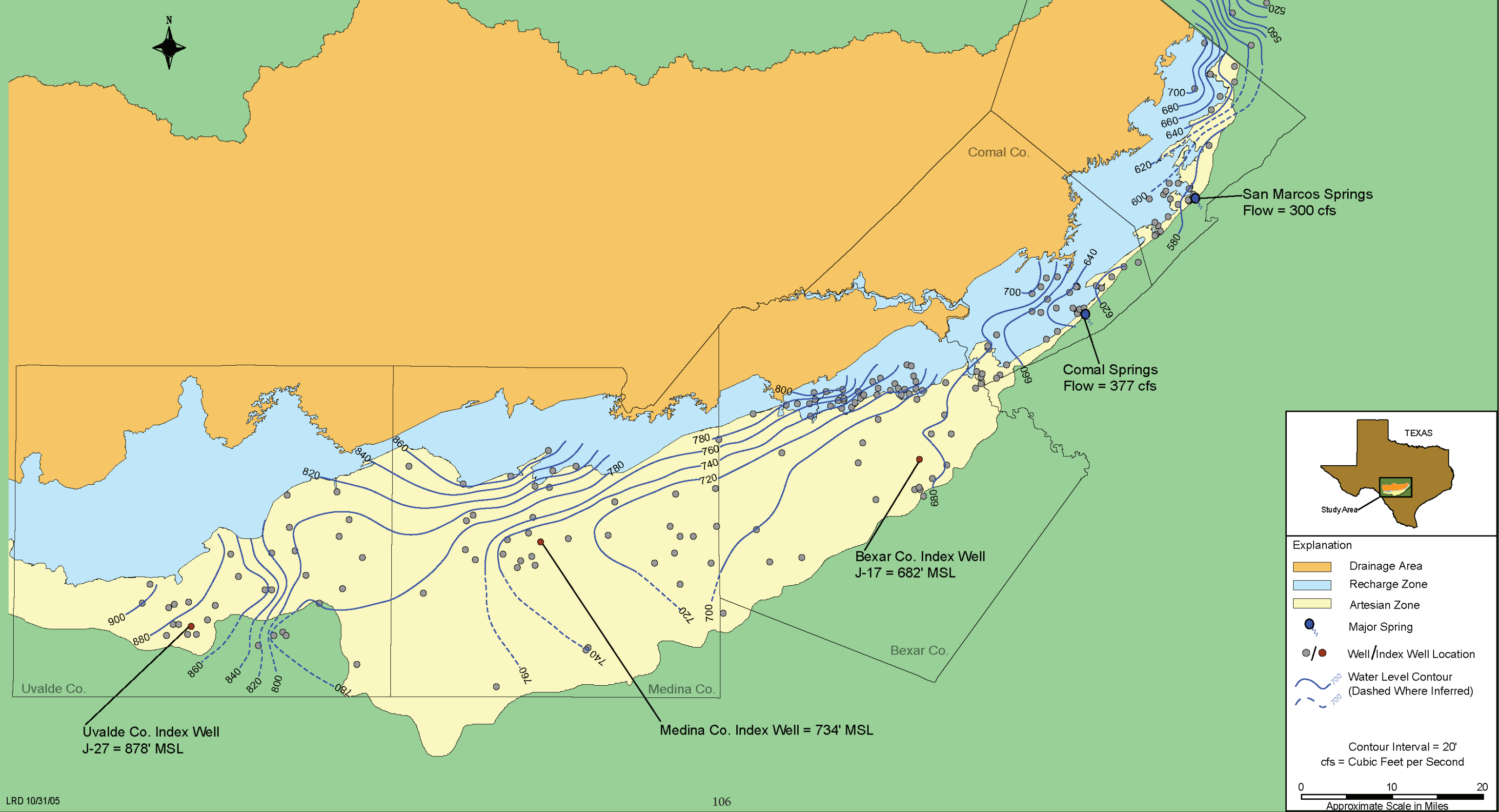


Potentiometric Surface Map

January 24 - February 4, 2002

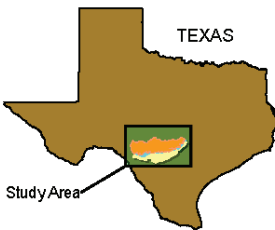
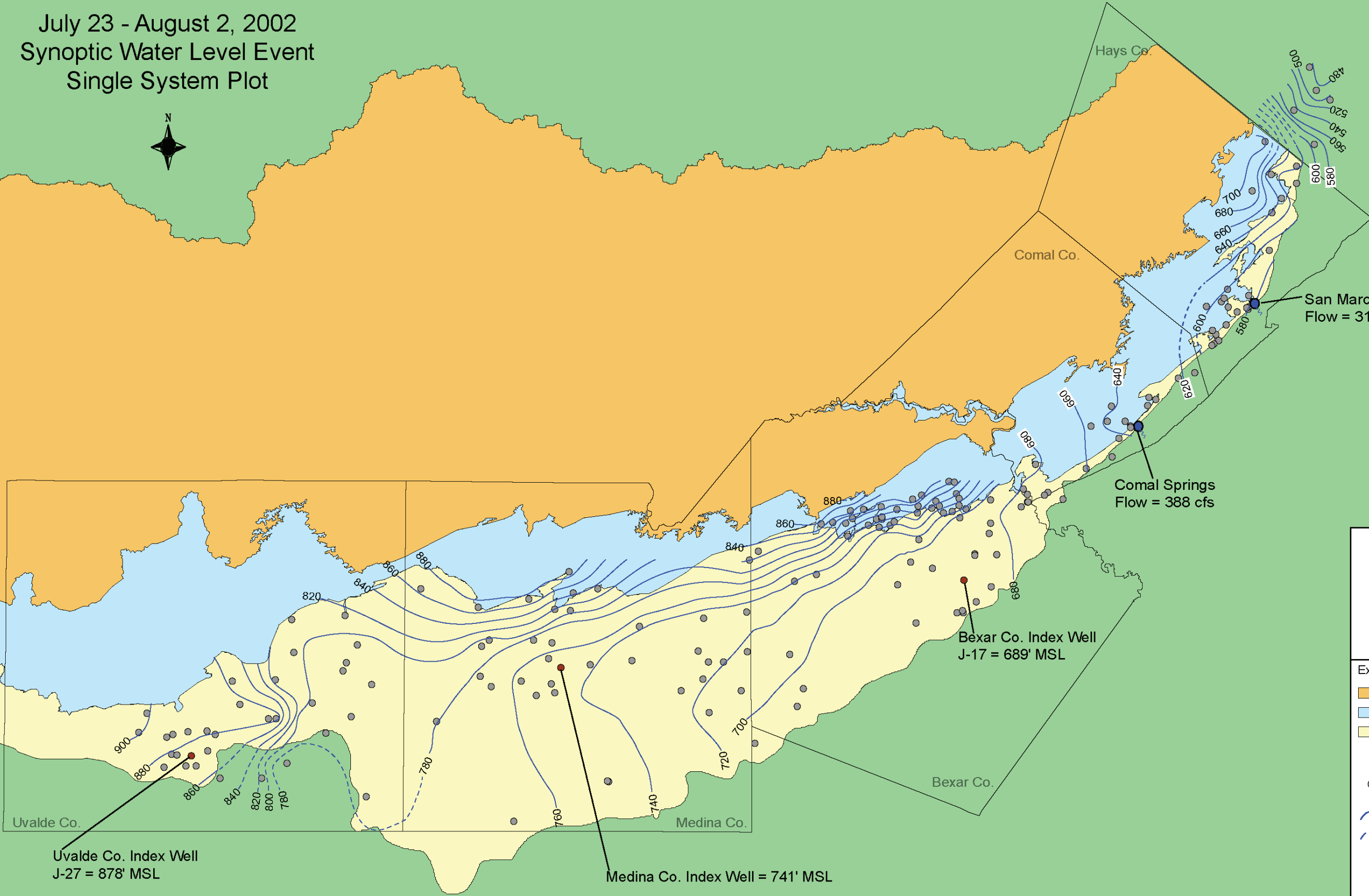
Synoptic Water Level Event

Single-System Plot



Potentiometric Surface Map

July 23 - August 2, 2002
Synoptic Water Level Event
Single System Plot



- Explanation
- Drainage Area
 - Recharge Zone
 - Artesian Zone
 - Major Spring
 - Well/Index Well Location
 - Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Potentiometric Surface Map

November 2 - 20, 2002
Synoptic Water Level Event
Two-System Plot



Drainage Area

Recharge Zone

Artesian Zone

San Marcos Springs
Flow = 313 cfs

Comal Springs
Flow = 439 cfs

Bexar Co. Index Well
J-17 = 697' MSL

Uvalde Co. Index Well
J-27 = 882' MSL

Medina Co. Index Well = 759' MSL

TEXAS

Study Area

Explanation

- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Artesian Zone Water Level Contour (Dashed Where Inferred)
- Recharge Zone Water Level Contour (Dashed Where Inferred)
- Surface Trace of Fault Line

Contour Interval = 20'
cfs = Cubic Feet per Second

0

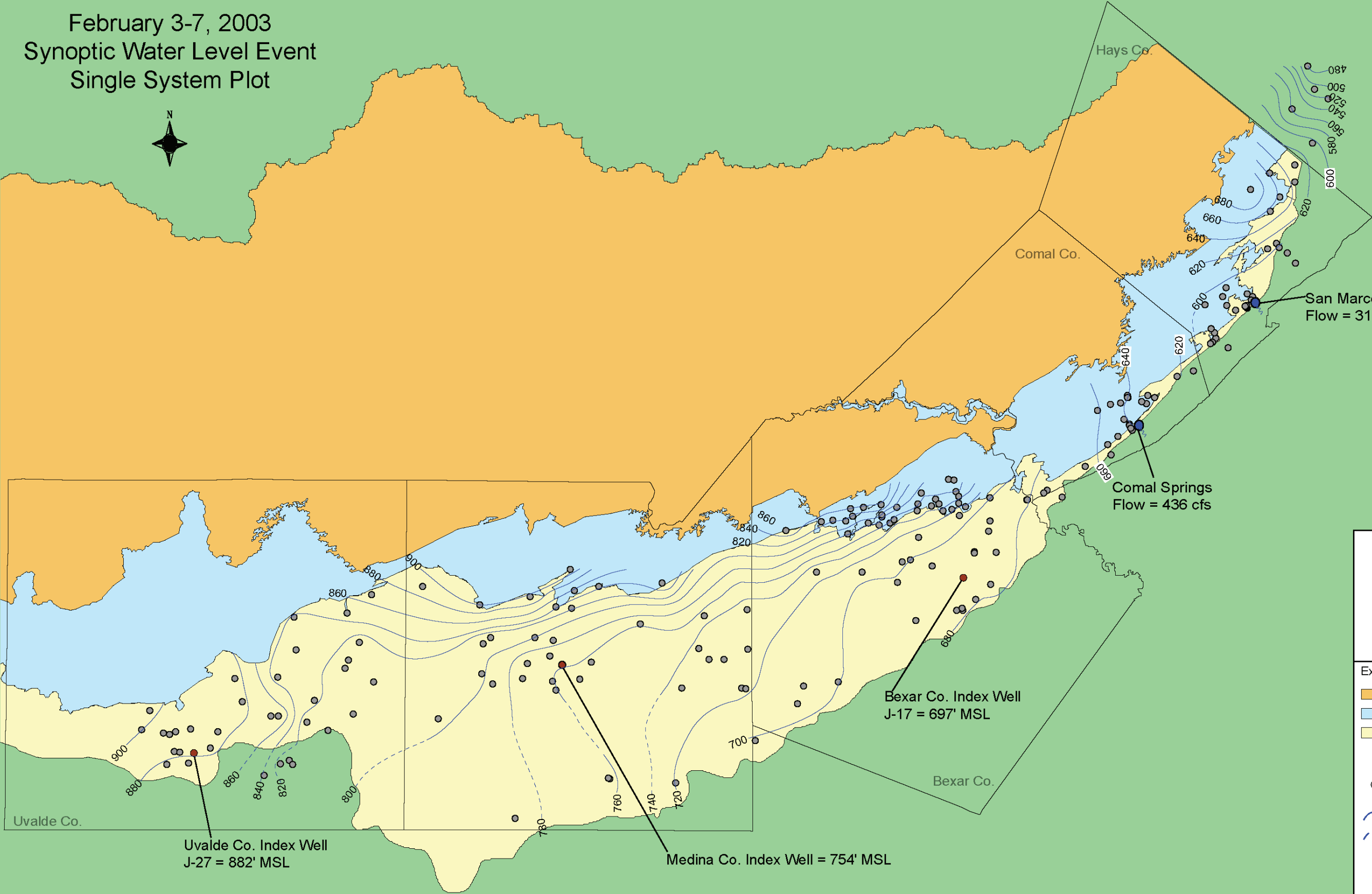
10

20

Approximate Scale in Miles

Potentiometric Surface Map

February 3-7, 2003
Synoptic Water Level Event
Single System Plot



TEXAS

Study Area

Explanation

- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Water Level Contour
- (Dashed Where Inferred)

Contour Interval = 20'

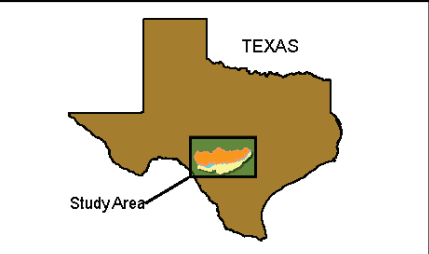
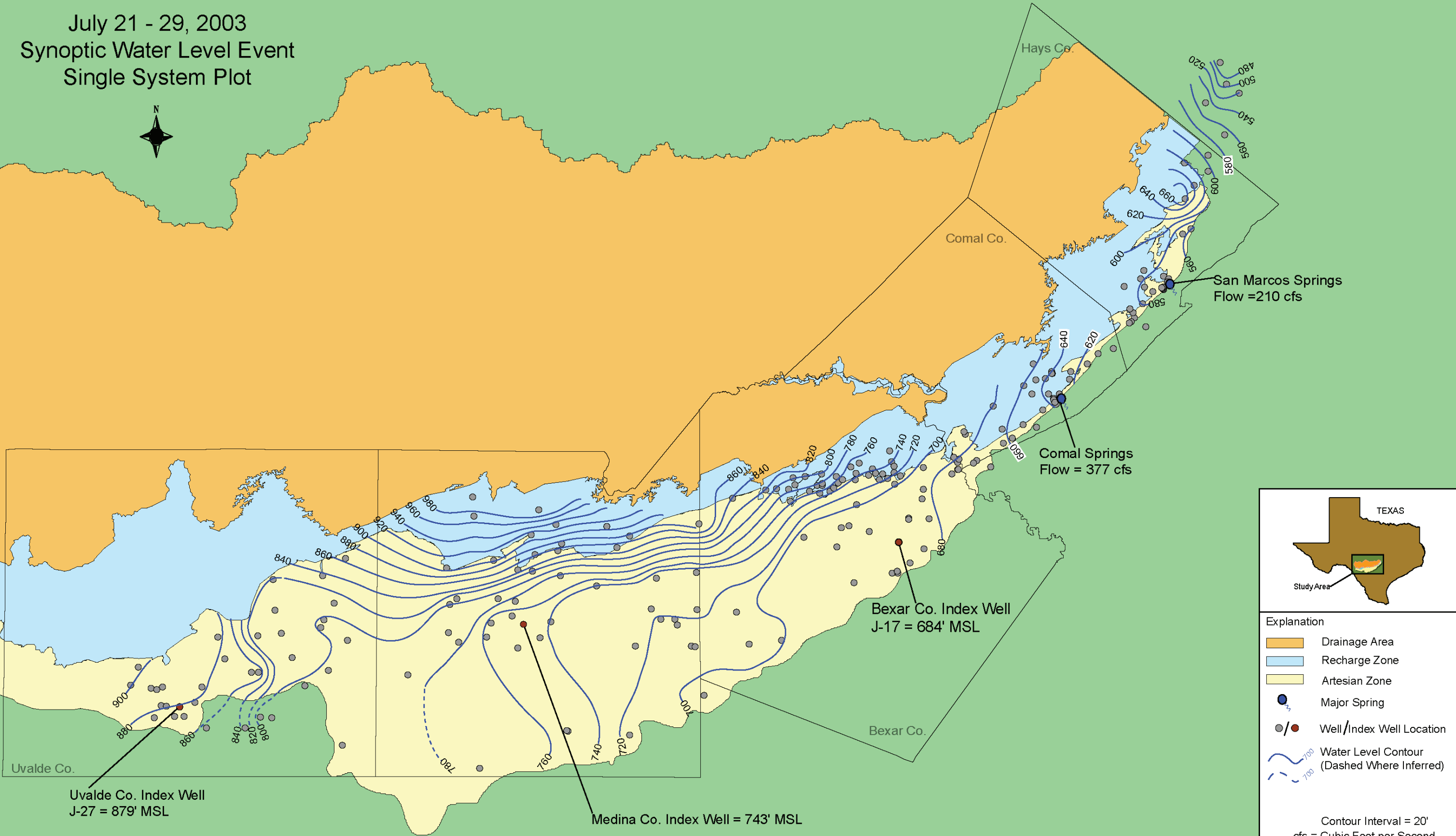
cfs = Cubic Feet per Second

0 10 20

Approximate Scale in Miles

Potentiometric Surface Map

July 21 - 29, 2003
Synoptic Water Level Event
Single System Plot



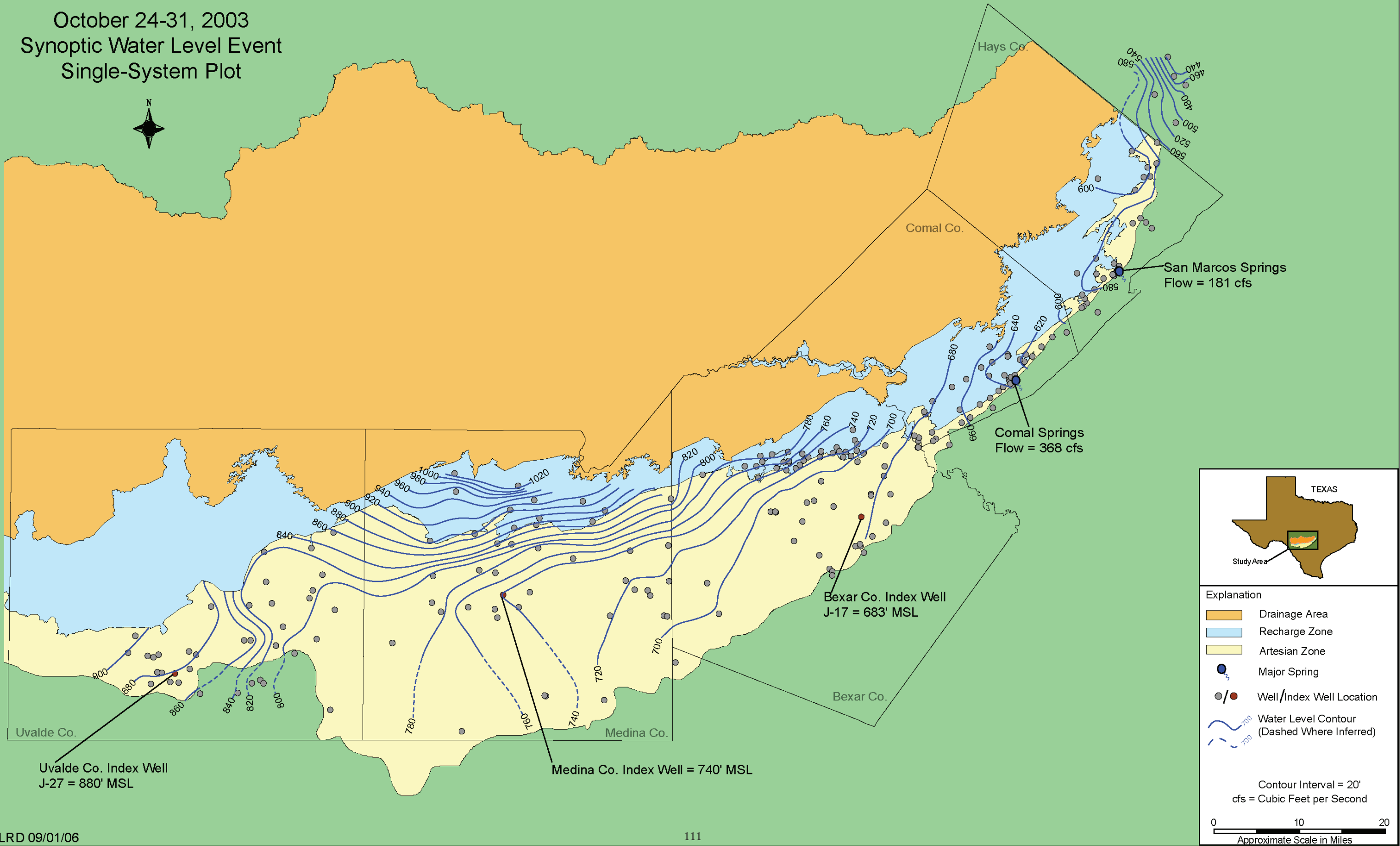
- Explanation
- Drainage Area
 - Recharge Zone
 - Artesian Zone
 - Major Spring
 - Well/Index Well Location
 - Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Potentiometric Surface Map

October 24-31, 2003
Synoptic Water Level Event
Single-System Plot



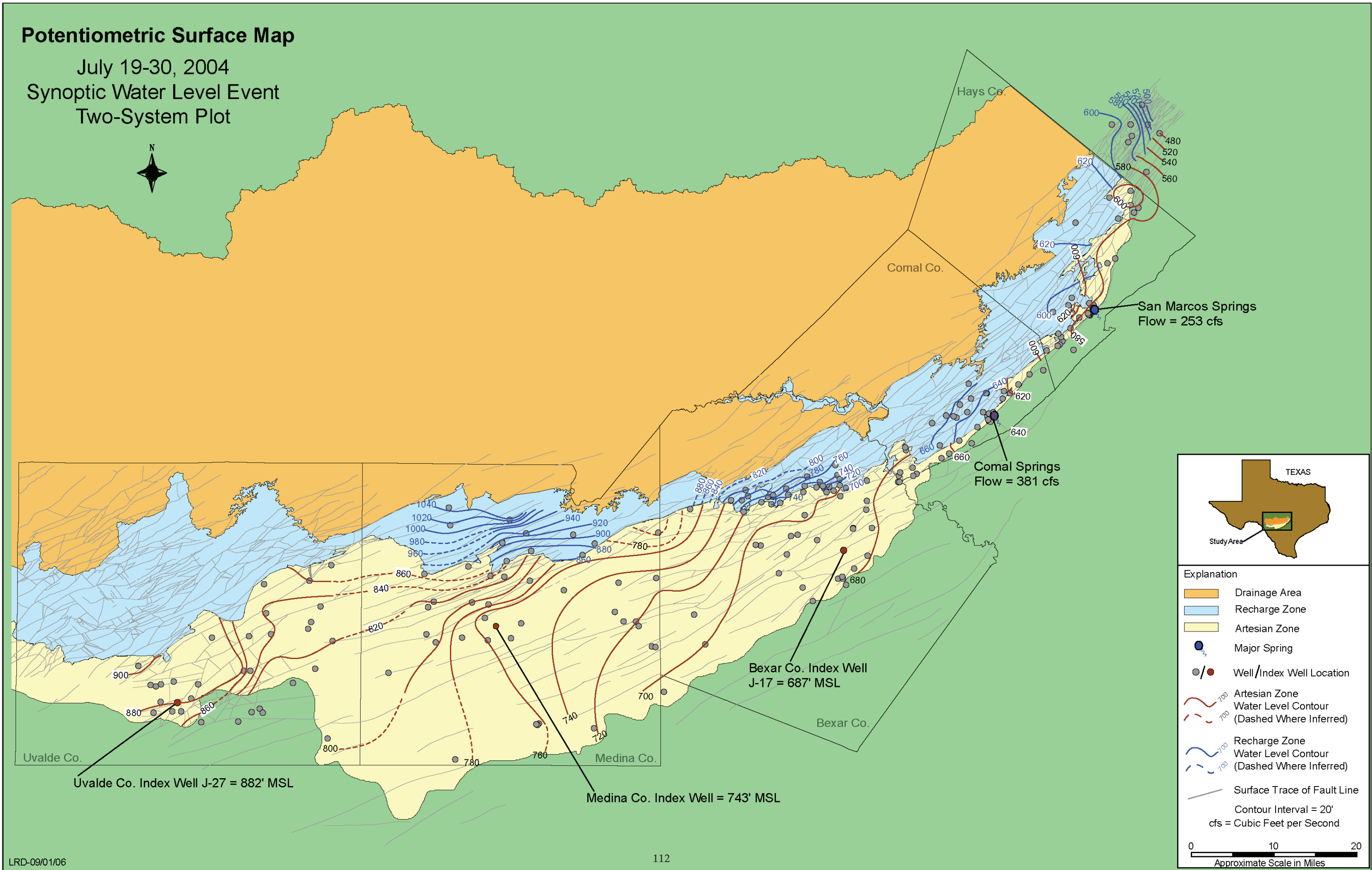
- Explanation
- Drainage Area
 - Recharge Zone
 - Artesian Zone
 - Major Spring
 - Well/Index Well Location
 - Water Level Contour (Dashed Where Inferred)

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

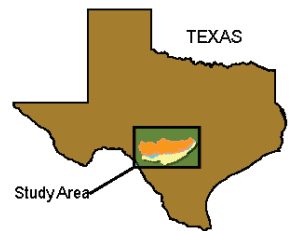
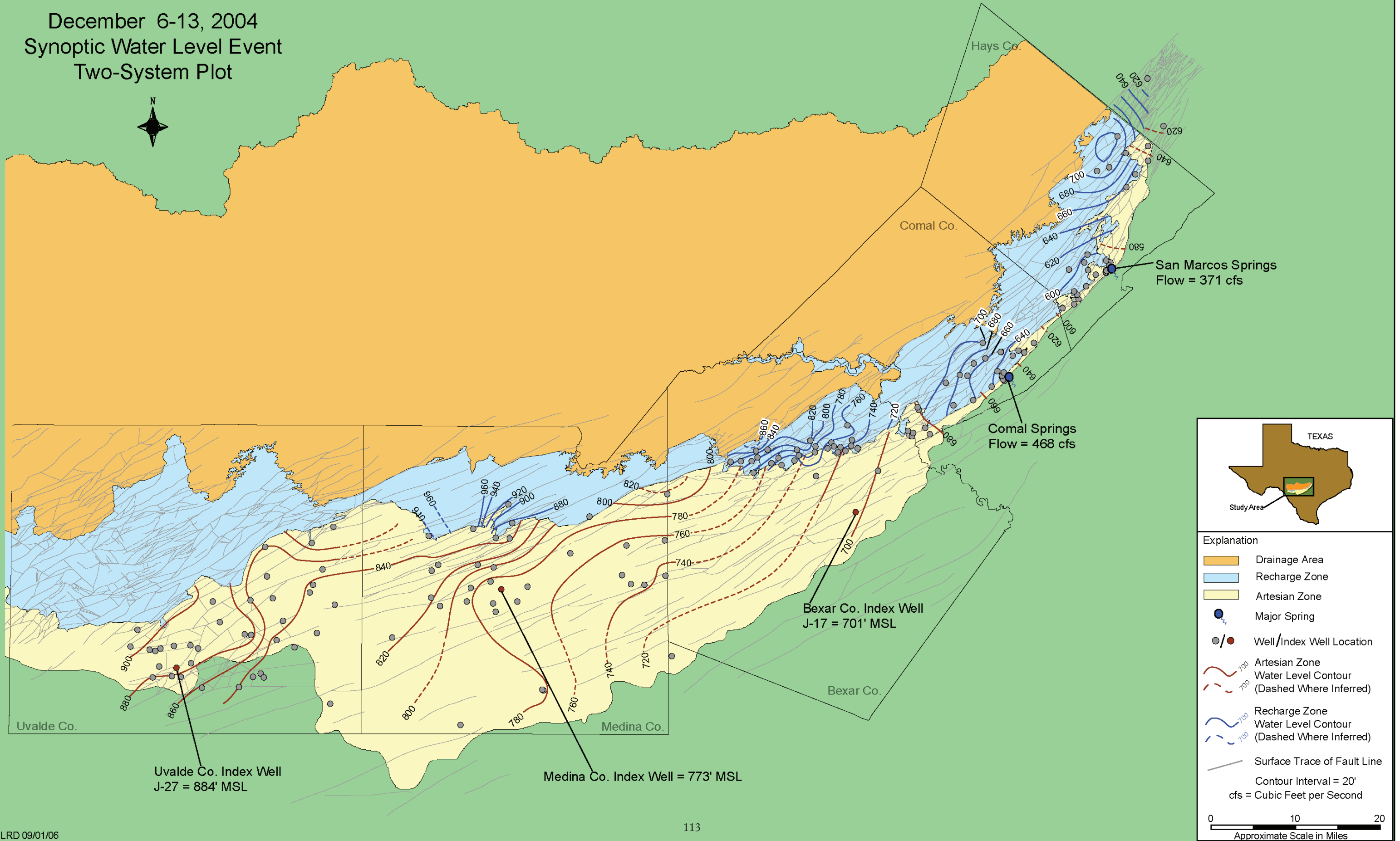
Potentiometric Surface Map

July 19-30, 2004
Synoptic Water Level Event
Two-System Plot



Potentiometric Surface Map

December 6-13, 2004
Synoptic Water Level Event
Two-System Plot



Explanation

- Drainage Area
- Recharge Zone
- Artesian Zone
- Major Spring
- Well/Index Well Location
- Artesian Zone Water Level Contour (Dashed Where Inferred)
- Recharge Zone Water Level Contour (Dashed Where Inferred)
- Surface Trace of Fault Line

Contour Interval = 20'
cfs = Cubic Feet per Second

0 10 20
Approximate Scale in Miles

Appendix D

Texas Water Development Board Well Numbering System

Wells used in this project are identified mainly by the Texas Water Development Board (TWDB) well-numbering system, which was developed by TWDB in a comprehensive *Ground-Water Data Dictionary* for use throughout Texas (Figure D.1) (Nordstrom and Quincy, 1999). The well-numbering system was established to facilitate well locations and avoid duplication of well numbers. Under this system, the state of Texas is divided into a grid of 1° quadrangles formed by degrees of latitude and longitude, and each quadrangle was given a two-digit number from 01 through 89. These are the first two digits of the well number.

Each 1° quadrangle is divided into 7½-minute quadrangles (similar to those on the 1:24,000 topographic quadrangle sheets), and each 7½-minute quadrangle is assigned another two-digit number from 01 through 64. These are the third and fourth digits of the well-identification number. Each 7½-minute quadrangle is divided into 2½-minute quadrangles numbered 1 through 9 for the fifth digit of the well number. As each well within

the 2½-minute quadrangle is inventoried, a number from 01 to 99 is appended to the one-digit 2½-minute quadrangle for the last three digits of the well number (Groschen and Buszka, 1997). Each well record stored in the TWDB Ground Water Data System is identified by this unique, seven-digit number. The system allows for the numbering of as many as 99 wells in each 2½-minute quadrangle. An eighth space is provided for future expansion of the numbering system and will allow numbering of as many as 999 wells in each 2½-minute quadrangle (Nordstrom and Quincy, 1999).

In addition, a pseudo-identification number was applied to wells not registered or identified by the TWDB system. The previously mentioned process was applied to nonregistered wells. The only exception was that a two-letter code, from AA through ZZ, was appended to the one-digit 2½-minute quadrangle number to complete the last three digits of the well number.