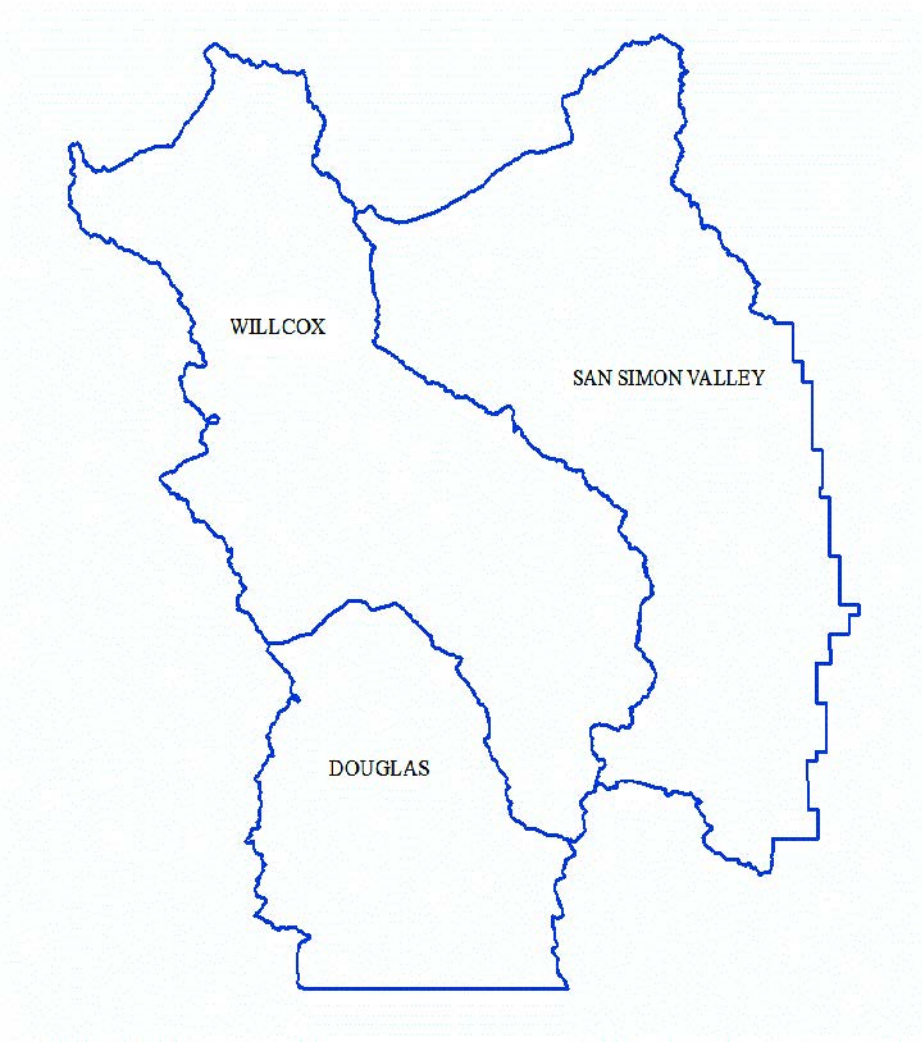
Arizona Department of Water Resources



Douglas and Willcox Basins and San Simon Valley Sub-basin, South Eastern Arizona - Hydrologic Monitoring Report No.9

May 2016

ACKNOWLEDGEMENTS

Arizona's hydrologic data collection activities are fundamental components of the state's Strategic Vision for Water Supply Sustainability. This report is dedicated to the well owners who have allowed their wells to be measured over the years, and to the individuals and organizations that have collected hydrologic data in Arizona; data that are essential to reliable resource evaluation that support informed decision making.

Arizona Department of Water Resources contributors to this report are Teri Davis, James Dieckhoff, Scott Stuk, Brian Conway, Paul Ivanich, and Frank Corkhill.

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INTRODUCTION

SCOPE AND PURPOSE

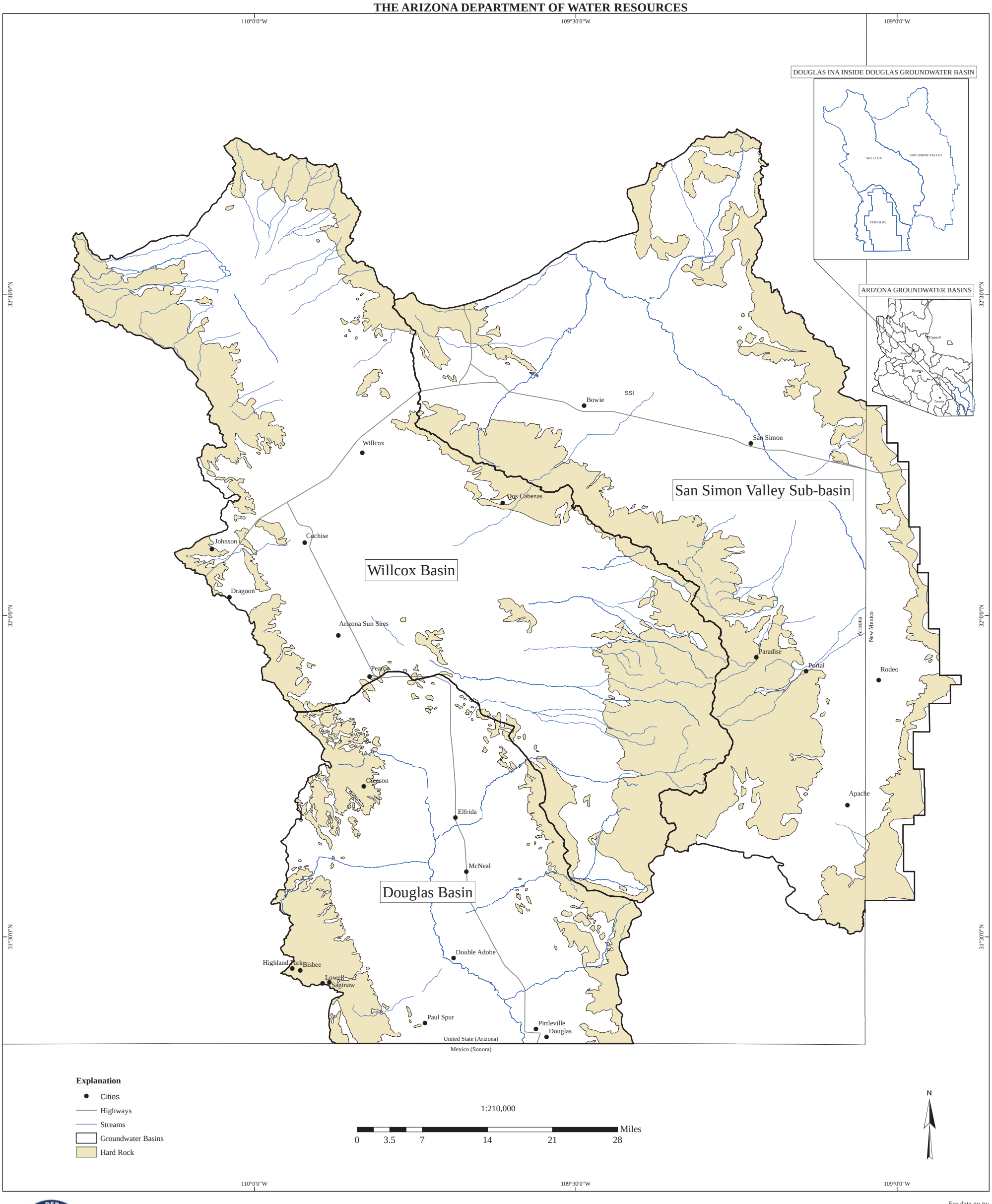
The Arizona Department of Water Resources (ADWR) has prepared this Hydrologic Monitoring Report (HMR) to summarize recent water level monitoring of the depth-to-groundwater ("groundwater levels") within wells located throughout southeast Arizona and parts of New Mexico as of February 2015. The following groundwater basins and sub-basins are included in this report: the Douglas and Willcox Basins and the San Simon Valley Sub-basin. The Douglas Irrigation Non-Expansion Area (INA) is contained within the Douglas Basin and is evaluated as a part of the Douglas Basin; no distinction is made within this report. This report includes annual groundwater-level data collected at 115 index well sites, five automated sites, and ground water levels collected at hundreds of well sites during an extensive data collection effort within the basins for two time periods. Groundwater levels in the Douglas Basin were collected extensively in January 2015 and in November and December 2004. Groundwater levels in the San Simon Valley Sub-basin were collected extensively in February 2015 and in February 2007. Groundwater levels in the Willcox Basin were collected extensively in November and December 2014 and in November and December 2005.

Precipitation and surface water data were also compiled for this report for the time period October 2014 through July 2015. This report also includes compilations of current water use data from US Geological Survey (USGS) annual water use reports, depth-to-bedrock data, aquifer thickness estimates, and land subsidence/earth fissure monitoring data.

Information provided in this report includes:

- measured groundwater level data
- water level elevation contours
- depth-to-water statistics
- well depth statistics
- calculated groundwater level change maps and statistics
- saturated thickness maps
- depth-to-bedrock maps
- precipitation data (Western Regional Climate Center)
- surface water data (USGS stream gaging data)
- water use data from USGS crop surveys
- land subsidence and earth fissure data

Figure 1 shows the boundaries of the Willcox and Douglas Groundwater Basins and San Simon Valley Sub-basin of the Safford Basin.



Hydrology Division

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Created By: Scott Stuk and James Dieckhoff
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Figure 1 - Southeastern Arizona Monitoring Report Study Area

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
ADWR Information Services
3550 North Central Avenue
Phoenix, AZ 85012
(602) 771-8627
www.azwater.gov

METHODS

Groundwater Level Data

Groundwater level data, and depth-to-water (DTW) measurements, were collected by ADWR Field Services – Basic Data personnel during the winter of 2014 - 2015 in hundreds of wells located throughout the three southeastern Arizona basins to determine changes in water levels since the last extensive data collection efforts (basin sweeps) that were conducted by ADWR during the 2004 to 2007 time period. Wells measured during the sweep included:

- Groundwater Site Inventory (GWSI) Index wells. These are wells that typically have a long period of record with numerous water level measurements. Index wells are anually measured by ADWR field staff using electrical sounders and steel tapes providing "discrete" depth-to-water measurements. Index wells are normally measured on an annual basis at approximately the same time during the field data collection season (October – April of two consecutive years).

- GWSI "sweep" wells. The majority of wells that are typically measured during groundwater basin sweeps. Wells that are usually only measured during periodic basin sweeps that may occur on a 5 to 10-year schedule.

- GWSI "automated" wells. Wells with automated groundwater monitoring equipment that provide "continuous" records of groundwater level, and that are also manually measured a few times a year during data downloads and maintenance.

All water level data were input into ADWR's GWSI database and verified by established quality assurance and control methods. Water level data were then queried from GWSI for individual water years depending upon the last extensive basin sweep: November - December 2004 for Douglas (DOU), November - December 2005 for Willcox (WIL), February 2007 for San Simon Valley (SSI), and November-December 2014 and January-February 2015 DOU, WIL, SSI. Note that the term Water Year (WY) that is used in this report is generally associated with United States Geological Survey (USGS) surface water data. The term water year is defined as the 12-month period beginning October 1, for any given year through September 30, of the following year. The water year is designated by the calendar year in which it ends. Thus, the year ending September 30, 2006 is called the water year "2006" (WY06). Data from previous basin sweeps are compared in the report for groundwater level change: WY05-WY15 (DOU), WY06-WY15 (WIL), and WY07-WY15 (SSI).

Initial datasets queried from GWSI contain all water level measurements for a well for a water year of interest. Data were then reduced to measurements within comparable timeframes between water years such as for the same month or season. Timeframes believed to represent "seasonally-static" groundwater conditions were selected for analysis. Measurements from wells with cascading conditions were used for analysis if both the starting and ending measurements noted cascading conditions. Non-comparable water level measurements were removed from initial data sets for statistical summaries of depth-to-water and water level change.

Water level measurements with remarks noted, such as Pumping, Recently Pumped, Nearby Pumping, Nearby Recently Pumped, Injecting, Nearby Injecting, Undetermined, and Other were normally removed from the initial datasets, unless additional information was provided that indicated that the measurements were representative of "seasonally-static" groundwater conditions. Water level measurements with remarks such as, Oil, Cascading, Flowing, and occasionally "Other" were normally used if no other disqualifying comments were included.

When multiple water level measurements were made during the timeframe of review, such as at automated monitoring sites or index wells with monthly or quarterly measurements, additional factors were considered to choose comparable or representative water level records. Water level records were reviewed and reduced to include non-remarked measurements from comparable timeframes (e.g. same month for each measurement). Preference was given to measurements without remarks. Preference was also given to measurements occurring from October to February to minimize effects of seasonal spring and summer pumpage. A review of the water level changes was made to identify any major anomalies and potential measurement errors. Also, based upon a hydrograph review, water level records may have been chosen to more accurately reflect general groundwater level trends. Additional factors such as source and measurement method were also considered in selecting measurements for analysis.

Once the initial dataset was reduced by removing multiple and unrepresentative measurements, and comparable water levels were selected, the groundwater level change per time period for each well was calculated. Water level elevations were contoured using the same data set used to calculate water level statistics.

Initial data sets used in this analysis are available for download through the ADWR GWSI website: https://gisweb.azwater.gov/waterresourcedata/GWSI.aspx.

Aquifer Saturated Thickness

The saturated thickness of the regional aquifer system was calculated to provide well owners with an estimate of the thickness of water-bearing sediments within the aquifer. The saturated thickness was calculated by subtracting the elevation of the aquifer's impermeable bedrock bottom from the current elevation of the water table.

Knowledge of the approximate saturated thickness of the aquifer is useful to well owners who may wish to estimate the potential future productivity of their wells based on well depths, pump settings and ongoing water level decline rates. Using saturated thickness information well owners may evaluate the potential efficacy of various well modification options such as well and/or pump deepening, or well replacement to address the impacts of rapidly declining water tables. However, in developing and using such analyses, it is important to recognize that there are fundamental levels of uncertainty associated with the data and estimates, and it is also important to realize not all groundwater in storage may be practically recoverable due to hydrogeologic, technical, economic or other reasons.

Land Subsidence and Earth Fissures

Land subsidence in the alluvial basins of Arizona generally occurs in response to aquifer system compaction caused by groundwater overdraft of regional and local aquifer systems. As groundwater levels decline, pores in the alluvium that were once held open by water pressure are no longer supported and collapse. Collapse and subsequent lowering of the land surface is defined as land subsidence. In southern Arizona, land subsidence has generally occurred in groundwater basins with fine to medium grained, compressible sediments (clays and silts) where at least 50 to 200 feet of groundwater level decline has occurred (Hanson, 1989). Aquifer compaction and land subsidence is generally inelastic and the reduction in aquifer storage volume is permanent and not recoverable.

If land subsidence occurs over areas with differing depths-to-bedrock, differential aquifer compaction and land subsidence can occur. Differential land subsidence occurs where adjacent areas subside by different amounts. Typically, differential subsidence occurs in aquifers where the depth-to-bedrock changes significantly over a short lateral distance. Differential subsidence often occurs near basin margins where vertical movement along basin bounding faults has created large differences in bedrock depths and compressible sediment thicknesses. In areas of differential subsidence, tension can build in the basin-fill sediments that can initially form small hairline cracks in the sub-surface. Some cracks may reach the surface and others may lie hidden just below the surface. If precipitation occurs, the cracks can capture runoff and begin to erode and eventually become earth fissures. Continued erosion of earth fissures can create large fissure gullies that can be more than 10 feet wide and have depths of 30 feet, or more.

Interferometric Synthetic Aperture Radar (InSAR) Data

Synthetic Aperture Radar (SAR) is a side-looking, active (produces its own illumination) radar-imaging system that transmits a pulsed microwave signal towards the earth and records both the amplitude and phase of the back-scattered signal that returns to the antenna. InSAR is a technique that utilizes interferometric processing that compares the amplitude and phase signals received during successive passes of the SAR platform over a specific geographic area at different times. InSAR techniques, using satellite-based and aircraft-based SAR platform data, can be used to produce land-surface deformation products with cm-scale vertical resolution. Changes in land elevation are detected through the change in phase of the radar signal. InSAR is used to detect surface motion not only in alluvial basins, but also along active faults, on volcanoes, landslides, sinkholes, and other geologic hazards (Galloway and Hoffmann, 2007).

Since 2002, ADWR has collected more than 50,000 mi^2 of InSAR data throughout Arizona, identifying more than twenty-five individual land subsidence features that cover an area greater than 2,800 mi^2 (Conway, 2014). ADWR has compiled an extensive historical InSAR dataset for the active land subsidence areas in Arizona. Most data sets cover time periods between 1992 to 2000, 2004 to 2010, 2006 to 2011, and 2010 to present, which reflect the time-series for each satellite sensor. ADWR has used the InSAR data to produce more than 310 land subsidence maps: http://www.azwater.gov/AzDWR/Hydrology/Geophysics/LandSubsidenceInArizona.htm

The land subsidence maps cover various periods of time for each land subsidence feature and are updated each year. ADWR has also developed an interactive land subsidence map that can be used to view the extent of each land subsidence feature:

https://www.google.com/maps/d/viewer?mid=z8oGQPACT6uA.kr3-6Mj5_A9Q

ADWR has used InSAR not only for monitoring land subsidence but also for monitoring seasonal deformation (uplift and subsidence), natural and artificial recharge events, as a tool for geological mapping and investigations, locating earth fissures, identifying areas where conditions may exist for future earth fissure formation, and for dam mitigation and land subsidence modeling. ADWR's InSAR program has produced valuable results and end products that are used not only by ADWR but also other state, county, and local agencies, universities, and private companies for their own research, monitoring, modeling, mitigation, planning and design projects.

ADWR is currently collecting InSAR data throughout the year over the Willcox and Douglas Basins, and the San Simon Valley Sub-basin using the Radarsat-2, ALOS-2, and Sentinel-1A satellites as well as NASA/JPL aircraft-based UAVSAR.

DOUGLAS BASIN

GROUNDWATER LEVEL DATA

Douglas Basin groundwater level data that were collected in November and December 2004 and October 2014 through June 2015 are summarized in Tables 1 and 2. The tables summarize all water level data per water year compiled from ADWR's GWSI database. The summaries include: the total number of water level measurements, the range of depth-to-water, the number of unmeasurable wells (Unable to Measure -UTM), and a description (Remark Code) of the type of conditions encountered at the well site while the water level measurement was made. Appendices 1 and 2 list all water level measurements for each well site per water year.

Table 1. Summary of Water Level Measurements for WY05 - DOU.

Time Period	Number of Measurements	*Range of DTW [feet]	**Number of Unmeasurable Wells (UTM)	Number of Remarked Measurements
(11/29/2004 – 12/17/2004)	403	0 to 361.4	19	32

*Negative depths to water indicate "artesian pressure conditions" that are generally measured with a pressure gage.
** UTM includes all attempts to obtain a WL; issues such as property access, impassable roads, hazards, well measuring point access, obstructions, etc. prevent obtaining a WL

Remark Code	D	F	K	O	P	R	S	V	W	X	*Z
Remark Description	Dry	Flowing	Cascading	Obstructed	Pumping	Recently Pumped	Nearby Pumping	Foreign Material (Oil)	Well Destroyed	Surface Water Effects	Other
Remark Frequency	0	1	2	14	1	8	0	0	4	0	2

*Z – note some Other Remarks may be included in UTM count.

Table 2. Summary of Water Level Measurements for WY15 - DOU.

Time Period	Number of Measurements	*Range of DTW [feet]	**Number of Unmeasurable Wells (UTM)	Number of Remarked Measurements
(10/08/2014 – 06/24/2015)	450	10.3 to 386.1	117	125

*Negative depths to water indicate "artesian pressure conditions" that are generally measured with a pressure gage.
** UTM includes all attempts to obtain a WL; issues such as property access, impassable roads, hazards, well measuring point access, obstructions, etc. prevent obtaining a WL

Remark Code	D	F	K	O	P	R	S	V	W	X	*Z
Remark Description	Dry	Flowing	Cascading	Obstructed	Pumping	Recently Pumped	Nearby Pumping	Foreign Material (Oil)	Well Destroyed	Surface Water Effects	Other
Remark Frequency	11	0	4	18	4	2	1	1	3	0	81

*Z – note some Other Remarks may be included in UTM count.

Annual Index Well Data

The Douglas Basin currently has 29 annual Index wells that ADWR attempts to measure during the same general time period each year. Figure 2 shows the locations of Douglas Basin Index wells.

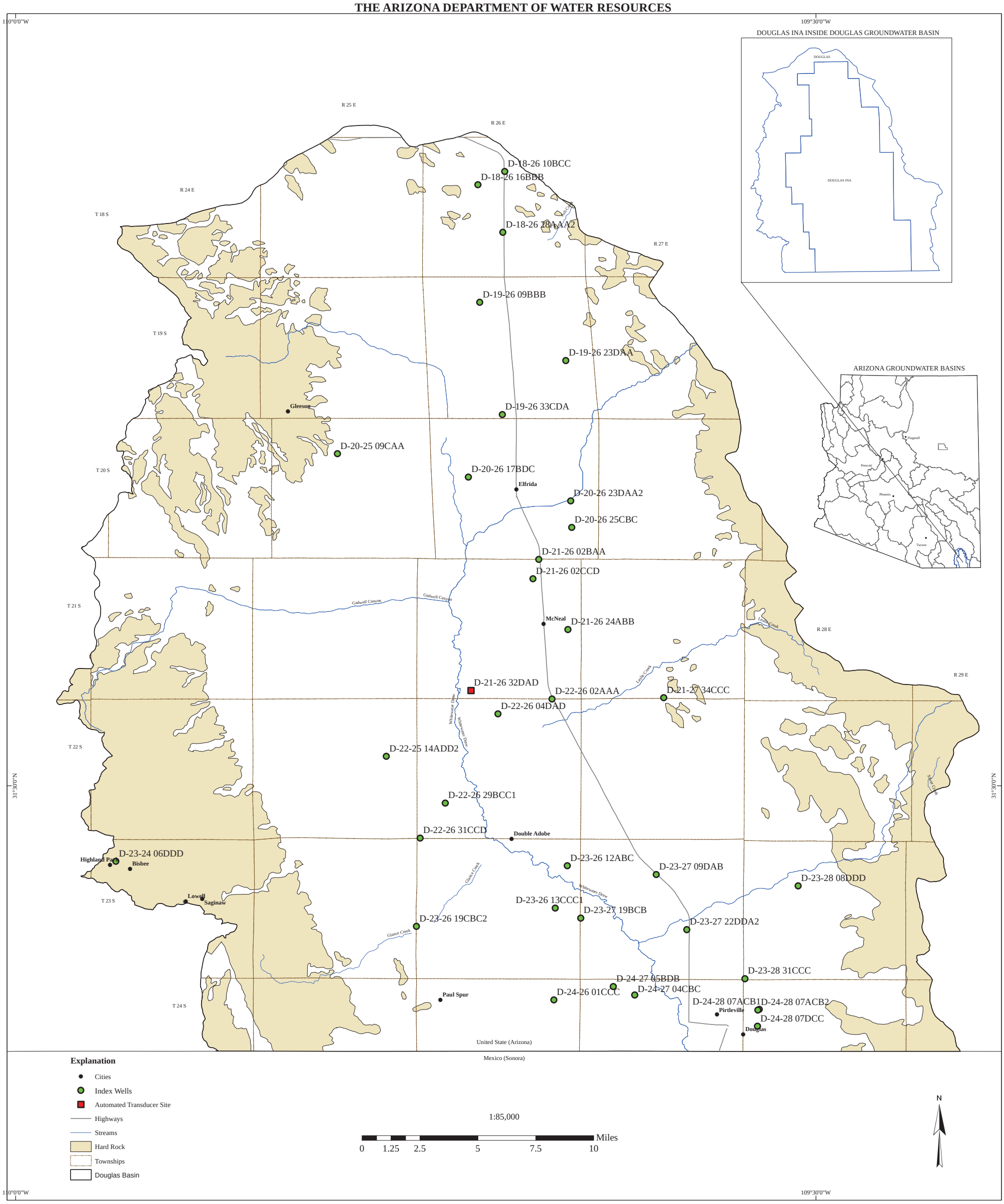

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Figure 2 - Location of GWSI Index Wells and Automated Water Level Monitoring Wells in the Douglas Basin

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
ADWR Information Services
3550 North Central Avenue
Phoenix, AZ 85012
(602) 771-8627
www.azwater.gov

Automated Index Well Data

The Douglas Basin currently has one automated Index well. Automated Index wells are equipped with instruments that measure water levels every 6 hours on a continuous basis. The instruments generally used are a pressure transducer or a shaft encoder to measure water levels and a data logger to record those levels. Some sites are 'telemetry' sites and have radio transmitters that transmit data once per day for near real-time data. All automated sites are visited 3 times per year for data downloads, maintenance and calibration. Data from telemetry sites are considered 'provisional' until the data are downloaded and confirmed.

The automated Index well in the Douglas Basin is identified by ID: D-21-26 32DAD. Automated equipment was installed on 09/26/2013 and the site is equipped with telemetry. Data for the site can be accessed at: https://gisweb.azwater.gov/gwsi/Detail.aspx?SiteID=313332109430001. Figure 2 shows the location of the automated index well site within the Douglas Basin. A second well in the Douglas Basin was equipped as an automated Index well from 10/04/2006 until 10/10/2012. That site ID is D-18-26 10BCC and data can be accessed at: https://gisweb.azwater.gov/gwsi/Detail.aspx?SiteID=315303109413701.

Non-Index "Basin Sweep" Well Data

Water levels were collected from numerous wells not typically measured except during "basin sweeps" when extensive efforts are made to collect water level data from a high-density network of wells that cover a groundwater basin, and if possible, monitor multiple hydrogeologic units or aquifers.

Annual index well measurements along with basin sweep water levels and discrete water level measurements from automated Index well sites were compiled for each time period. A total of 384 water levels were collected during the WY05 basin sweep and 333 water levels were collected in WY15. See Appendices 1 and 2 for a compilation of all water level data for each water year.

DEPTH-TO-WATER

Douglas Basin water level statistics including the number of wells measured, minimum depth-to-water, maximum depth-to-water, median and mean (average) depth-to-water and the standard deviation are provided for WY05 and WY15 in Table 3. The minimum depth-to-water measured increased from 0 feet (flowing well) in WY05 to 10.3 feet in WY15 while the maximum depth-to-water increased from 347.4 feet in WY05 to 386.1 feet in WY15. However, the median depth-to-water in WY05 was greater (158.9 feet), compared to 141.1 feet in WY15. The mean depth-to-water in WY05 was 160 feet while in WY15 the mean depth-to-water had increased to 164 feet below land surface.

Table 3. Summary of Water Level Data for WY05 and WY15 in the Douglas Basin.

Year	Count	Minimum DTW[ft]	Maximum DTW[ft]	Median DTW[ft]	Mean DTW[ft]	Standard Deviation [ft]
2005	375	0	347.4	158.9	160.1	81.9
2015	330	10.3	386.1	141.1	164.6	96.3

Figure 3 shows the number of wells within each depth interval per water year. For example, in WY05, 72 of 375 measurements were in the depth-to-water range of 200-240 feet and in WY15, 35 of 330 wells measured were in the same depth range.

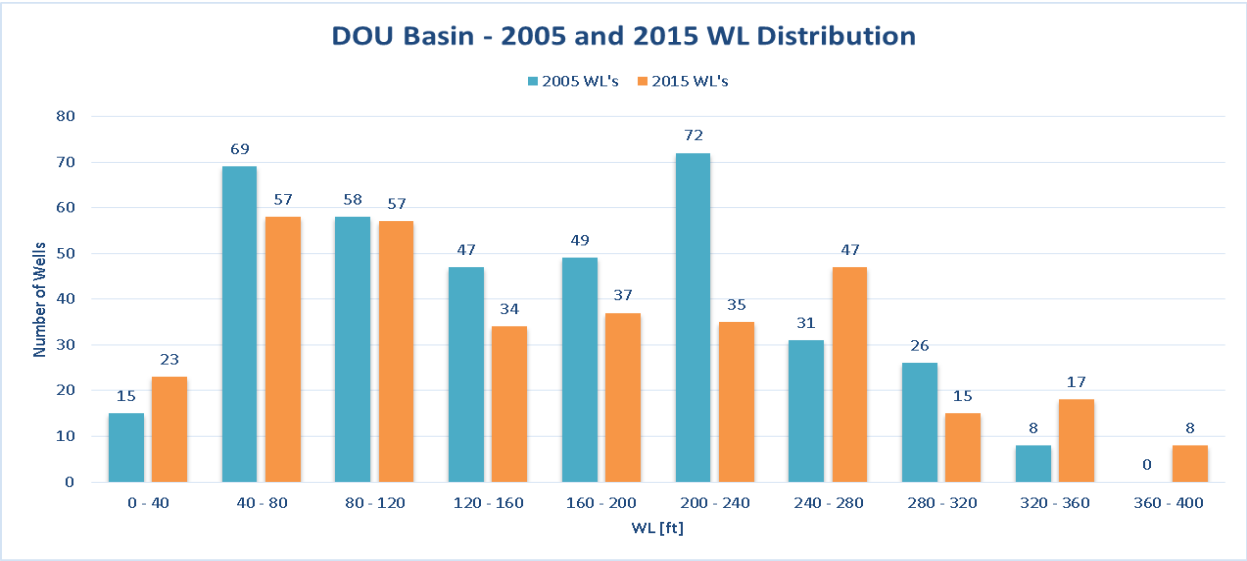

Figure 3. Distribution of Depth-to-Water Measurements (WY05 and WY15) for the Douglas Basin.

Depth-to-Water WY15

Water level measurements collected in WY15 ranged from 386.1 to 10.3 feet below land surface (bls). Table 4 summarizes the number of wells measured, and the minimum, maximum, median and mean (average) depth-to-water as well as the standard deviation of measurements tabulated by township and range. In WY15, the deepest depth-to-water in the Douglas Basin was measured just northeast of Elfrida at about 386 feet bls (Table 4). Also, wells located in an area east and north of the City of Douglas showed depths-to-water that exceeded 300 feet. In some areas near the basin margins, shallow perched groundwater zones (depth-to-water < 100 feet) were observed that may be isolated from the regional, basin-fill aquifer system. Shallow groundwater levels, less than 100 feet in depth, were also found extending south from Elfrida towards the International border generally following the central axis of basin along Whitewater Draw (Plate 1). Plate 2 shows depth-to-water statistics for the Douglas Basin in WY15 listed by township and range.

Table 4. WY15 Depth-to-Water (DTW) Measurements in the Douglas Basin.

Township	Range	Count	Min DTW [ft]	Max DTW [ft]	Median DTW [ft]	Mean DTW [ft]	Standard Deviation (SD) [ft]
18	26	17	195.3	272.6	264.6	257.6	23.9
19	24	1	29.0	29.0	29.0	29.0	N/A
19	25	14	13.7	300.5	53.9	98.8	106.1
19	26	43	41.4	386.1	295.2	289.5	65.3
19	27	2	359.0	360.9	360.0	360.0	1.3
20	24	7	20.5	268.4	124.8	135.5	97.4
20	25	10	18.2	243.1	157.9	128.9	89.1
20	26	27	87.1	327.2	123.7	150.0	65.3
20	27	7	138.1	190.5	164.5	160.0	20.9
21	26	45	56.1	242.1	127.6	128.9	48.5
21	27	15	74.6	286.1	217.5	200.7	64.8
21	28	1	54.0	54.0	54.0	54.0	N/A
22	25	8	94.3	107.1	103.2	102.4	4.7
22	26	22	38.1	222.3	106.0	112.9	58.0
22	27	6	214.6	320.0	234.9	234.8	52.9
22	28	11	13.6	139.7	43.3	56.7	40.7
22	29	2	15.4	273.9	144.7	144.7	182.8
23	25	12	75.6	345.9	174.6	185.6	90.9
23	26	14	44.8	168.8	91.8	87.0	31.2
23	27	20	64.9	314.4	203.7	176.8	80.3
23	28	9	48.4	337.1	138.7	150.4	100.8
24	25	5	25.1	152.6	68.3	73.4	49.0
24	26	5	132.4	189.1	176.5	169.9	23.7
24	27	23	10.3	275.0	80.7	120.1	92.4
24	28	4	29.8	361.2	339.5	267.5	158.8
Basin Statistics		330	10.3	386.1	141.1	164.6	96.3

WELL DEPTH DATA

Statistics on well depths in the Douglas Basin listed in the GWSI database are compiled by township and range in Table 5. The greatest well depth in the Douglas Basin is 4,400 feet deep while the shallowest well is 24 feet deep. The mean well depth in the Douglas Basin is 367 feet. Plate 3 shows well depth statistics for each township in the basin. Information shown on Plates 2 and 3 may be useful to well owners in assessing depths to water and well depths in the vicinity of their wells.

Table 5. GWSI Well Depth Statistics for the Douglas Basin.

Township	Range	Count	Min Well Depth [ft]	Max Well Depth [ft]	Median Well Depth [ft]	Mean Well Depth [ft]	SD [ft]
17	25	1	146	146	146	146	N/A
18	24	2	55	100	78	78	32
18	25	6	173	400	320	291	92
18	26	63	80	900	360	354	159
18	27	3	263	370	300	311	54
19	24	5	40	350	52	127	133
19	25	8	212	1,200	551	584	319
19	26	131	80	1,226	500	474	188
19	27	9	48	865	600	516	339
20	24	14	42	697	276	288	160
20	25	29	40	700	590	480	208
20	26	155	50	1,065	320	362	202
20	27	44	80	803	491	489	165
21	24	2	180	409	295	295	162
21	25	20	123	730	636	497	230
21	26	132	70	1,232	396	411	227
21	27	33	76	930	521	487	254
21	28	4	80	215	86	117	66
22	25	30	45	1,005	200	227	215
22	26	117	70	1,504	220	338	267
22	27	20	160	4,400	391	589	915
22	28	6	53	340	240	206	119
22	29	1	90	90	90	90	N/A
23	25	19	165	484	253	269	85
23	26	60	75	1,150	173	217	154
23	27	61	39	925	260	292	187
23	28	18	38	500	168	206	137
24	24	3	150	230	150	177	46
24	25	6	45	310	183	178	84
24	26	22	110	410	330	314	91
24	27	50	24	1,100	201	249	189
24	28	13	190	516	440	393	116
24	29	1	200	200	200	200	N/A
Basin Statistics		1,088	24	4,400	320	367	252

DEPTH-TO-BEDROCK

The depth-to-bedrock map for the Douglas Basin was developed primarily from gravity, well log and well depth data compiled by the Arizona Geological Survey (Richard, et. al., 2007). The

depth-to-bedrock varies throughout the basin; from exposed outcrops and shallow depths near the groundwater basin boundaries; to about 3,700 feet bls in the deepest part of the basin near the southeast corner of T22S R25E (Plate 4).

SATURATED THICKNESS

The saturated thickness of basin-fill deposits varies throughout the Douglas Basin (Plate 5). The saturated thickness varies from zero thickness near exposed and shallow bedrock near the basin boundaries, to greater than 3,600 feet near the southeast corner of T22S R25E and the southwest corner of T22S R26E. Although the saturated thickness of basin-fill deposits may indicate substantial groundwater storage, it is important to note that not all groundwater in storage may be practically recoverable due to hydrogeologic, technical, economic or other reasons.

WATER LEVEL ELEVATIONS

Water level elevations were contoured for the WY05 and WY15 basin sweeps (Plates 6 and 7). ADWR's Hydrologic Map Series (HMS)-26 report provided basic information regarding the hydrogeologic system in the Douglas Basin and was referenced in constructing current water level elevation contours (ADWR, 1993). The alluvial basin-fill sediments consisting of semi-consolidated to poorly consolidated sand, silt, clay, gravel and conglomerate comprise the principal water-bearing strata or aquifer. The alluvial fill is divided into upper and lower deposits with the upper alluvium consisting of Holocene to Miocene age gravels, sands, and silt and the lower deposits consisting of Pliocene to Miocene age gravels, sands, and conglomerate (ADWR, 1993).

The upper basin-fill hydrogeologic unit is predominately unconfined to semi-confined and is generally interconnected with the lower basin-fill hydrogeologic unit to form a single regional aquifer system. Significant vertical gradients are not typically observed in the Douglas Basin, except near the town of Douglas where basaltic material forms a shallow localized perched system and in a couple wells located near the town of Elfrida. Additionally, artesian (confined) conditions were noted in T22S R27E in a 4,400 foot deep, "flowing" well during the 2005 basin sweep. It is possible that the "flowing" well is currently unaffected by basin-wide pumping and may still flow today; however, access to the well site during the FY15 Douglas Basin water level sweep was not gained.

In general, groundwater elevations decrease from recharge locations along the basin margins. Regional groundwater flow paths are directed towards basin pumping centers and also towards the south where groundwater gradients indicate underflow into Mexico. Groundwater elevations within the Douglas Basin ranged from about 5,100 feet in the Dragoon Mountains to about 3,700 feet near Douglas in WY05 and WY15.

A cone of depression was observed about 5 miles north of Elfrida in both WY05 and WY15. Continued groundwater pumping in the area since 2005 has caused an additional 40 foot decline in groundwater levels (Plates 6 and 7). The Elfrida cone has a very irregular shape and is likely influenced from multiple pumping wells in the area.

One well located within the groundwater depression near Elfrida is completely within a shallow perched zone and has a groundwater level elevation that is about 80 feet greater than a nearby well that is located less than 400 feet to the south. Another area with shallow groundwater conditions is located in T19S R26E, about 4 miles east of the previously mentioned area. Some wells in that area have groundwater levels that are as much as 200 feet greater than nearby wells.

Other shallow groundwater level anomalies were evident in a couple of wells located in and near Douglas where recharge from nearby surface drainages may cause perching conditions. A well located at T24S R27E had cascading conditions observed in WY15, but not in WY05. Also, the groundwater level measured in a 180 foot deep well located near the confluence of Leslie Canyon and Whitewater Draw had a water level elevation that was about 70 feet less than groundwater levels measured in other nearby wells.

WATER LEVEL CHANGE (WY05 – WY15)

Groundwater level change data are provided for each well site in the Douglas Basin that had comparable WY05 and WY15 water level measurements (see Appendix 3). The summary consists of 243 records that include all reduced data and all comparable remarked measurements (see previous Methods section). For the purposes of the following analyses, a "rise" in water level indicates a decrease in the depth to groundwater, while a "decline" in water level indicates an increase in the depth to groundwater.

Plate 8 shows water level changes for WY05 to WY15 in the Douglas Basin. Rises in groundwater level are shown in blue, declines in red, and no change (less than one foot) are shown in green. The size of the well symbols is proportional to the magnitude of groundwater level change (Plate 8). Water level measurements with remarks are plotted when either one, or both water level measurements had an associated remark such as pumping, cascading, etc. Water level measurements with remarks are indicated with an asterisk posted within the well symbol; specific remarked data can be reviewed in Appendix 3.

Comparison of water level data between November and December 2004 to October 2014 through February (primarily January) 2015 show static water levels have generally declined throughout the Douglas Basin. Water level change for WY05 and WY15 ranged between 89.8 feet of rise to -52.6 feet of decline including all remarked data and between 64.1 feet of rise to -52.6 feet of decline for those measurements that were unremarked in both years.

Water level measurement data for the Douglas Basin that are listed in Appendix 3 were further reduced for statistical analysis by removing anomalous "remarked" measurements as discussed in the methods section (Table 6). Of the 235 wells with comparable water level measurements that were used for statistical analysis, 192 wells had declining water levels, 35 wells showed rising water levels, and 8 wells showed no change. The median water level change was -9.7 feet, and the mean water level was -13.4 feet with a standard deviation of 18.9 feet. The median rate of change per year was -1.0 feet/yr and the mean rate of change per year was -1.3 feet/yr. Water level changes per township and range are listed in Table 7 and shown in Plate 9.

Table 6. Water Level Change Summary for the Douglas Basin (WY05 - WY15).

Count	Wells W/ Rising WLS	Wells W/ Declining WLS	Wells W/ No Change in WLS	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD [ft]	Median WL Change Rate [ft/yr]	Mean WL Change Rate [ft/yr]
235	35	192	8	-52.6 to 75.3	-9.7	-13.4	18.9	-1.0	-1.3

Table 7. Water Level Change (Per T & R) for the Douglas Basin (WY05 – WY15).

Township	Range	Count	Wells w/ Rising WLs	Wells w/ Declining WLs	Wells w/ No Change in WLs	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD of WL Change [ft]	Median Rate of WL Change [ft/yr]	Mean Rate of WL Change [ft/yr]
18	26	11	0	11	0	-45 to -3.8	-39.7	-33.6	14.8	-4.0	-3.4
19	24	1	0	1	0	-2.5 to -2.5	-2.5	-2.5	N/A	-.025	-.025
19	25	3	1	2	0	-39.6 to 18.1	-39.0	-20.2	33.1	-3.9	-2.0
19	26	37	1	36	0	-49.6 to 20.5	-39.6	-36.5	12.1	-4.0	-3.7
19	27	2	0	2	0	-38.7 to -38.4	-38.6	-38.6	0.2	-3.9	-3.9
20	24	4	1	3	0	-26.2 to 1.2	-9.4	-11.0	12.3	-0.9	-1.1
20	25	10	4	5	1	-41.7 to 64.1	-0.4	-5.4	32.0	0.0	-0.5
20	26	23	1	22	0	-52.6 to 2.2	-16.9	-20.8	13.8	-1.7	-2.1
20	27	7	0	7	0	-25.8 to -10.4	-17.5	-16.2	5.5	-1.8	-1.6
21	26	40	0	38	2	-13.4 to -0.9	-8.8	-8.5	3.0	-0.9	-0.8
21	27	14	1	13	0	-12.1 to 75.3	-4.8	0.7	21.6	-0.5	0.1
21	28	1	0	0	1	-0.2 to -0.2	-0.2	-0.2	N/A	0.0	0.0
22	26	18	1	16	1	-17.7 to 2	-5.5	-4.7	3.2	-1.0	-0.5
22	27	4	0	3	1	-13.3 to 0.3	-4.6	-5.5	5.7	-0.5	-0.6
22	28	10	9	1	0	-4.7 to 27.9	5.6	7.8	9.5	0.6	0.8
22	29	1	1	0	0	14.1 to 14.1	14.1	14.1	N/A	1.4	1.4
23	26	10	3	6	1	-29.3 to 5.5	-1.1	-3.4	9.8	-0.1	-0.3
23	27	17	1	15	1	-21.9 to 4.9	-13.3	-11.2	8.4	-1.3	-1.1
23	28	7	3	4	0	-31.6 to 16.5	-1.9	-1.8	15.1	-0.2	-0.2
24	25	2	2	0	0	6.3- to 8.4	7.4	7.4	1.5	0.7	0.7
24	26	1	1	0	0	16.1 to 16.1	16.1	16.1	N/A	1.6	1.6
24	27	10	4	6	0	-27.7 to 55.1	-1.7	-3.3	23.7	-0.2	-0.3
24	28	2	1	1	0	-29.5 to 2.6	-13.5	-13.5	22.7	-1.3	-1.3
BASIN STATISTICS		235	35	192	8	-52.6 to 75.3	-9.7	-13.4	18.9	-1.0	-1.3

The greatest groundwater level declines (ranging from about -40 feet to -53 feet) occurred in the northern portion of the Douglas Basin, from just north of Elfrida to the basin boundary south of Sunizona (Plate 8). South of Elfrida water levels declined from about -10 feet to -40 feet. Groundwater level declines generally decreased in magnitude toward the southern part of the Basin, except near McNeal and the City of Douglas. South of McNeal, groundwater level declines vary between -10 and -20 feet. In the City of Douglas, groundwater level declines vary between about -15 and -30 feet. North of the City of Douglas moderate (between -10 to -20 feet) to small (less than -10 feet) declines were observed. A cluster of moderate to small declines were observed in deeper wells located within the Dragoon Mountains.

Shallow wells showing groundwater level rises were generally located in or near mountainous areas along basin margins; and near major drainages as well as west of the City of Douglas. Areas with no groundwater level change were dispersed throughout the basin but generally located near basin margins or near major drainages.

Selected Hydrographs

Hydrographs show the history of water level measurements for each well and indicate groundwater level trends that often reflect the impacts of historic pumpage and recharge in the basin. Hydrographs provide valuable insight into past groundwater conditions and can be useful in estimated future hydrologic conditions. Hydrographs for selected Douglas Basin Index wells are compiled in Appendix 4. The locations are shown on Plate 7.

GROUNDWATER USE, CROP SURVEYS AND AGRICULTURE ACREAGE

Water use data for the Douglas Basin have been compiled by the United States Geological Survey (USGS). Although there are several streams in the basin, there is relatively minimal use of surface water.

Prior to 1990, annual groundwater consumption estimates for Arizona's groundwater basins and sub-basins were provided as annual totals in USGS annual groundwater summaries (USGS, 1994). Annual groundwater consumption data for the period from 1915 to 1990 are listed in Appendix 13. Since 1990, the USGS in cooperation with ADWR has compiled annual groundwater and surface water withdrawal data for areas outside Active Management Areas (AMAs) for irrigation, municipal, mining, thermoelectric-power and drainage uses (USGS, 2004). Estimated groundwater consumption in the Douglas Basin from 1990 to 2014 is summarized in Appendix 14. Estimated groundwater consumption in the Douglas Basin in 1991 was 36,500 Acre-Feet (AF), with 31,000 AF for agricultural use and 5,500 AF for municipal use, respectively. In 2014 the estimated agricultural groundwater use was 45,500 AF and municipal groundwater use was 4,800 AF.

Estimated agricultural acreage for the Douglas Basin from 1990 to 2014 is listed in Appendix 15. The estimated agricultural acreage for the Douglas Basin in 2014 was 23,300 acres compared to 9,300 acres in 1991. Since 2006, cropped acreage, crop types, irrigation methods and agricultural water use has been estimated by the USGS using field crop surveys, and other data. Cropped acreage estimates for 2014 were field verified by the USGS and are shown in Figure 4.

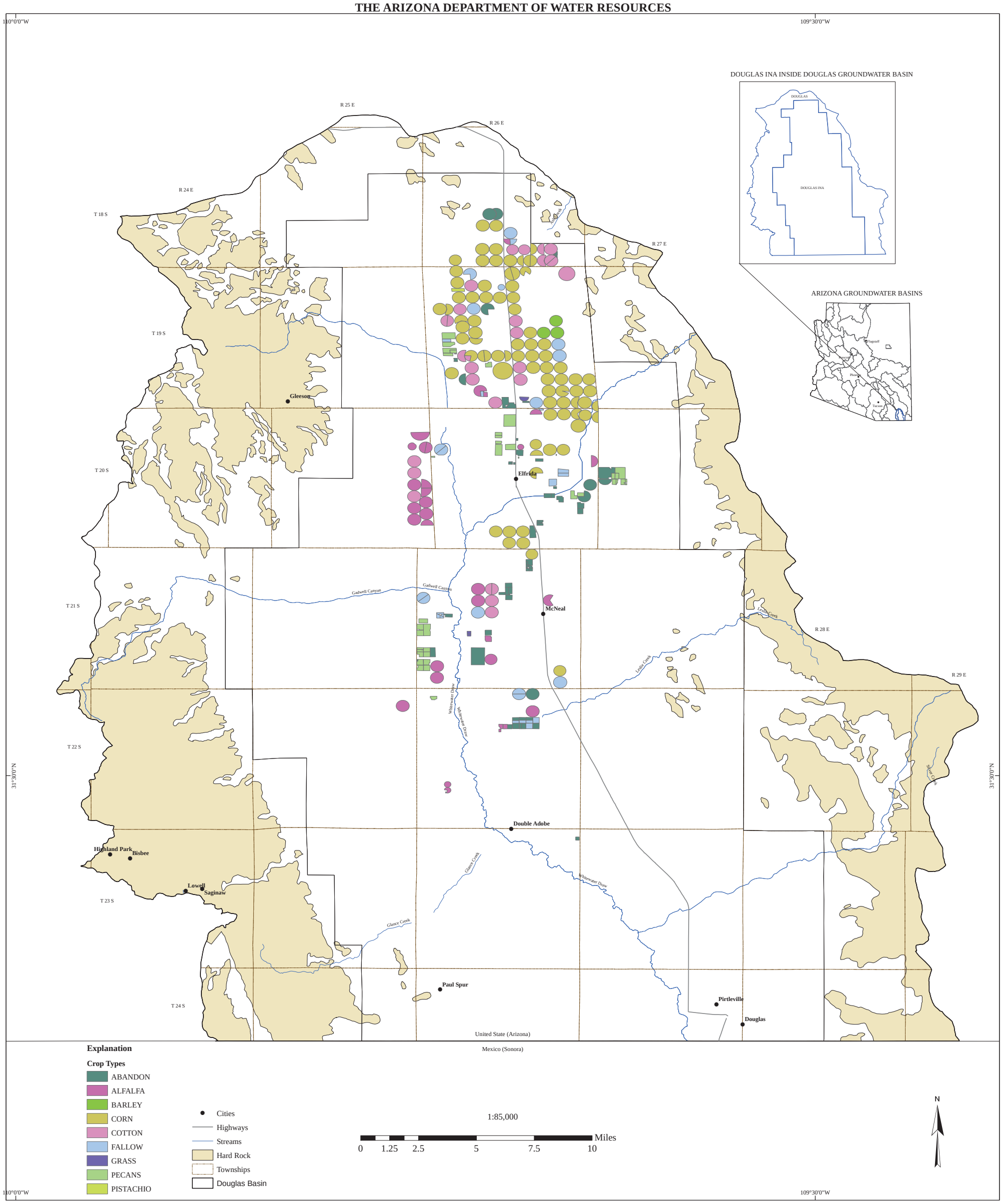

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Figure 4 - USGS Estimated Cropped Acreage in the Douglas Basin 2014

For data go to:
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PRECIPITATION

Monthly total precipitation for WY15 and long term precipitation averages were compiled for three sites in the Douglas Basin. Precipitation data were downloaded from the Western Regional Climate Center on 10/01/2015. Station data includes: Douglas, Arizona (022659), Douglas FAA AP, Arizona (022664), and McNeal, Arizona (025418). The data are summarized in Table 8 and the locations of the precipitation stations are shown in Figure 5.

Table 8. Precipitation Data for Selected Weather Stations in the Douglas Basin, Data downloaded October 01, 2015.

Douglas, Arizona (022659) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az2659													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	0.34 j	0.57 c	0.88 b	2.07 c	0.31 a	1.62	0.50 b	0.00 e	1.15 b	3.57 c	2.63	1.75 e	15.02 a
Long-Term Average 1948-2015	0.92	0.56	0.98	0.75	0.64	0.48	0.24	0.28	0.46	3.63	3.02	1.48	13.44
Douglas FAA AP, Arizona (022664) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az2664													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	---	---	---	---	---	---	---	---	---	---	---	---	---
Long-Term Average 1948-2013	0.84	0.55	0.85	0.73	0.56	0.46	0.19	0.21	0.51	3.30	2.95	1.38	12.52
McNeal, Arizona (025418) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az5418													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	1.47 e	0.00 s	0.31 l	1.49	0.38	0.79 m	0.33 a	0.10 a	1.28	1.72 d	0.75 m	1.85 e	8.62 d
Long-Term Average 1916-2015	0.85	0.58	0.89	0.68	0.53	0.41	0.15	0.19	0.32	2.65	2.79	1.16	11.19

Explanation: a = 1 day missing, b = 2 days missing, c = 3 days,. etc..; z = 26 or more days missing, A = Accumulations present; Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value. Maximum allowable number of missing days: 5; Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

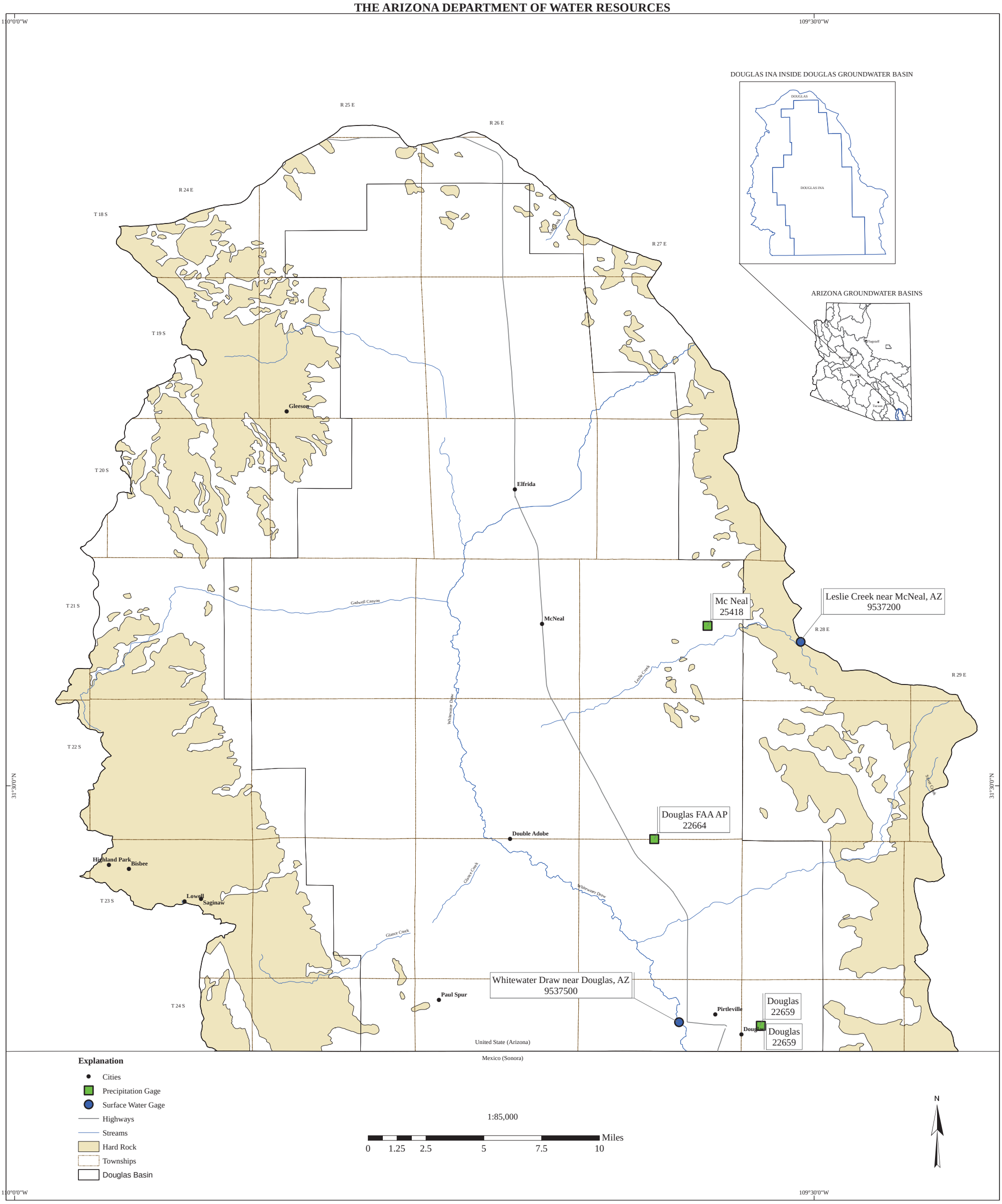

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Figure 5 - Selected Weather Stations and USGS Stream Gages in the Douglas Basin

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

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SURFACE WATER

Surface water data were obtained from two United States Geological Survey (USGS) stream gages in the Douglas Basin (Table 9). The two sites are Whitewater Draw near Douglas, Arizona and Leslie Creek near McNeal, Arizona. The locations of the surface water stations are shown in Figure 5. Data were accessed 10/08/2015.

Table 9. Surface Water Data for USGS Stream Gages in the Douglas Basin.

Gage Description	Gage Number	Period of Record	Average Daily Discharge (cfs) WY2015	Median Daily Discharge (cfs) WY2015	Minimum Daily Discharge (cfs) WY2015	Maximum Daily Discharge (cfs) WY2015	Annual Discharge (AF) WY2015
Whitewater Draw near Douglas, AZ	09537500	1912-2015	0.9	0.0	0.0	146.0	682.9
Leslie Creek near McNeal, AZ	09537200	1969-2015	1.0	0.8	0.2	2.1	691.5

LAND SUBSIDENCE

InSAR data has identified one land subsidence feature in the Douglas Basin called the Elfrida land subsidence feature (Figure 6). The Elfrida land subsidence feature is approximately 103 mi² and is centered along US Highway 191 in the Elfrida area. The Douglas Basin experienced an increase in land subsidence rates when comparing InSAR data from 1996 (Plate 10) to 2015 (Plate 11). InSAR data (ERS-1 and ERS-2 satellites) from 1996 measure land subsidence rates as high as 3 cm/year (1.2 in/year) and InSAR data from 2014 to 2015 (Radarsat-2) measure land subsidence rates as high as 7 cm/year (2.8 in/year). Combining InSAR data from 2006 to 2011 and 2011to 2015 (Plate 12), total land subsidence is measured as high as 51 centimeters (20.1 inches). The land subsidence has resulted in a small number of earth fissures. The Arizona Geological Survey (AZGS) has since mapped 1.3 miles of earth fissures (Figure 6). Earth fissure activity is on-going in the Douglas Basin due to large land subsidence rates of more than 7 cm/year (2.8 in/year).

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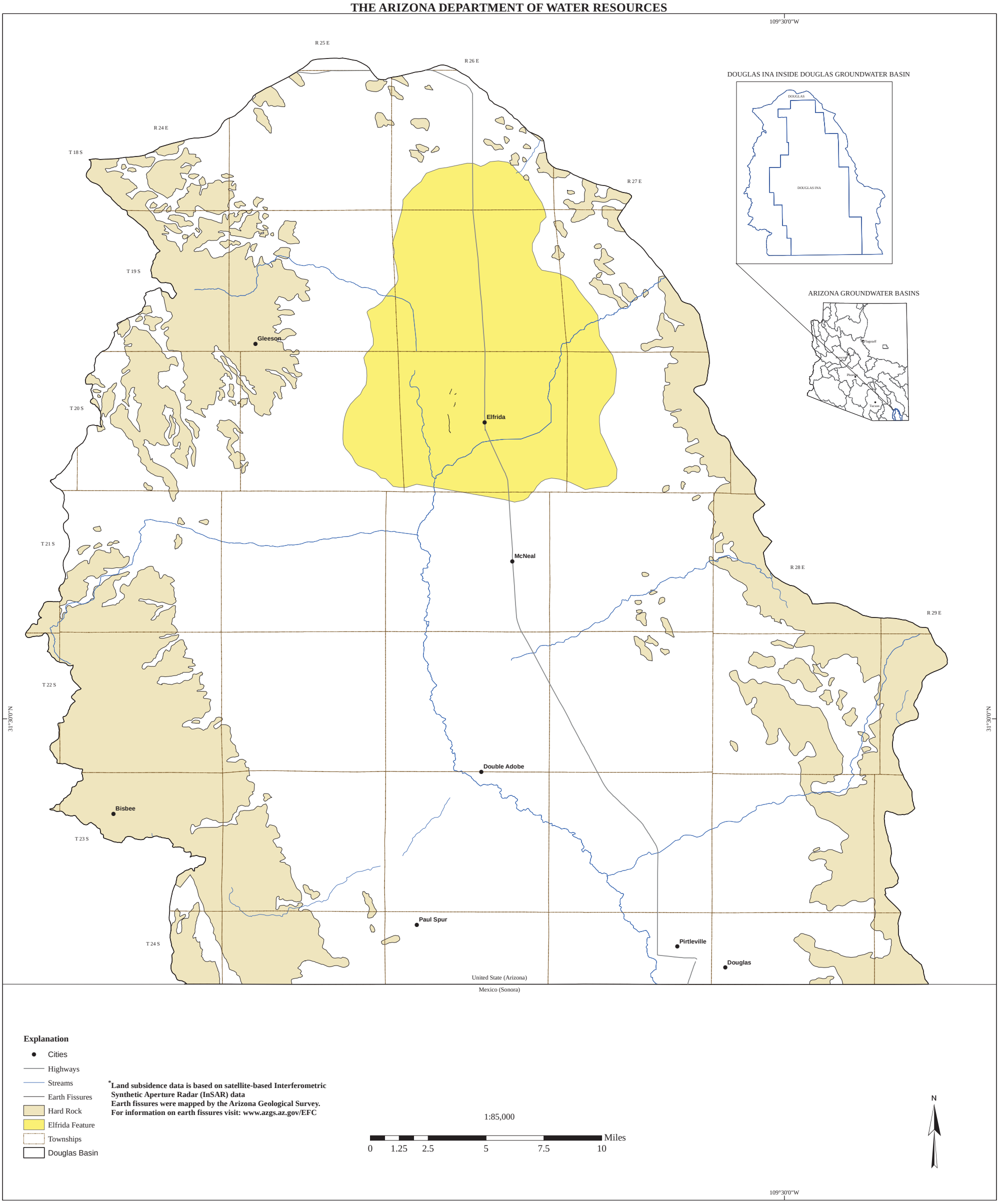

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Figure 6 - Land Subsidence and Earth Fissures Areas in the Douglas Basin

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SAN SIMON VALLEY SUB-BASIN

GROUNDWATER LEVEL DATA

San Simon Valley Sub-basin groundwater data that were collected mainly in February 2007 and February 2015 are summarized in Tables 10 and 11. The tables summarize all water level data per water year compiled from ADWR's GWSI database. The summaries include: the total number of water level measurements, the range of depth-to-water, the number of unmeasurable wells (Unable to Measure -UTM), and a description (Remark Code) of the type of conditions encountered at the well site while the water level measurement was made. Appendices 6 and 7 list all water level measurements for each well site per water year.

Table 10. Summary of Water Level Measurements for WY07 - SSI.

Time Period	Number of Measurements	*Range of DTW [feet]	**Number of Unmeasurable Wells (UTM)	Number of Remarked Measurements
(12/13/2006 – 05/17/2007)	532	0 to 671.6	81	108

*Negative depths to water indicate "artesian pressure conditions" that are generally measured with a pressure gage.
** UTM includes all attempts to obtain a WL; issues such as property access, impassable roads, hazards, well measuring point access, obstructions, etc. prevent obtaining a WL

Remark Code	D	F	K	O	P	R	S	V	W	X	*Z
Remark Description	Dry	Flowing	Cascading	Obstructed	Pumping	Recently Pumped	Nearby Pumping	Foreign Material (Oil)	Well Destroyed	Surface Water Effects	Other
Remark Frequency	12	1	12	36	6	7	2	1	4	0	36

*Z – note some Other Remarks may be included in UTM count.

Table 11. Summary of Water Level Measurements for WY15 - SSI.

Time Period	Number of Measurements	*Range of DTW [feet]	**Number of Unmeasurable Wells (UTM)	Number of Remarked Measurements
(10/30/2014 – 6/25/2015)	495	2.19 to 745.5	98	132

*Negative depths to water indicate "artesian pressure conditions" that are generally measured with a pressure gage.
** UTM includes all attempts to obtain a WL; issues such as property access, impassable roads, hazards, well measuring point access, obstructions, etc. prevent obtaining a WL

Remark Code	D	F	K	O	P	R	S	V	W	X	*Z
Remark Description	Dry	Flowing	Cascading	Obstructed	Pumping	Recently Pumped	Nearby Pumping	Foreign Material (Oil)	Well Destroyed	Surface Water Effects	Other
Remark Frequency	6	0	17	23	9	4	7	6	0	1	59

*Z – note some Other Remarks may be included in UTM count.

Annual Index Well Data

The San Simon Valley Sub-basin currently has 32 annual Index wells; wells that typically have long periods of record that ADWR attempts to measure during the same general time period of each year. Figure 7 shows the locations San Simon Valley Sub-basin Index wells.

Automated Index Well Data

ADWR currently operates one automated Index well in the San Simon Valley Sub-basin. Automated Index wells are equipped with instruments that measure water levels every 6 hours on a continuous basis. All automated sites are visited 3 times per year for data downloads, maintenance and calibration. Data from telemetry sites are considered 'provisional' until the data are downloaded and confirmed.

The automated Index well in the San Simon Valley Sub-basin is identified by ID: D-13-28 13BCD. Automated equipment was installed on 08/25/2005 and the site is not equipped with telemetry. Data for the site can be accessed at: https://gisweb.azwater.gov/gwsi/Detail.aspx?SiteID=321812109264401. Figure 7 shows the location of the automated Index well site within the San Simon Valley Sub-basin.

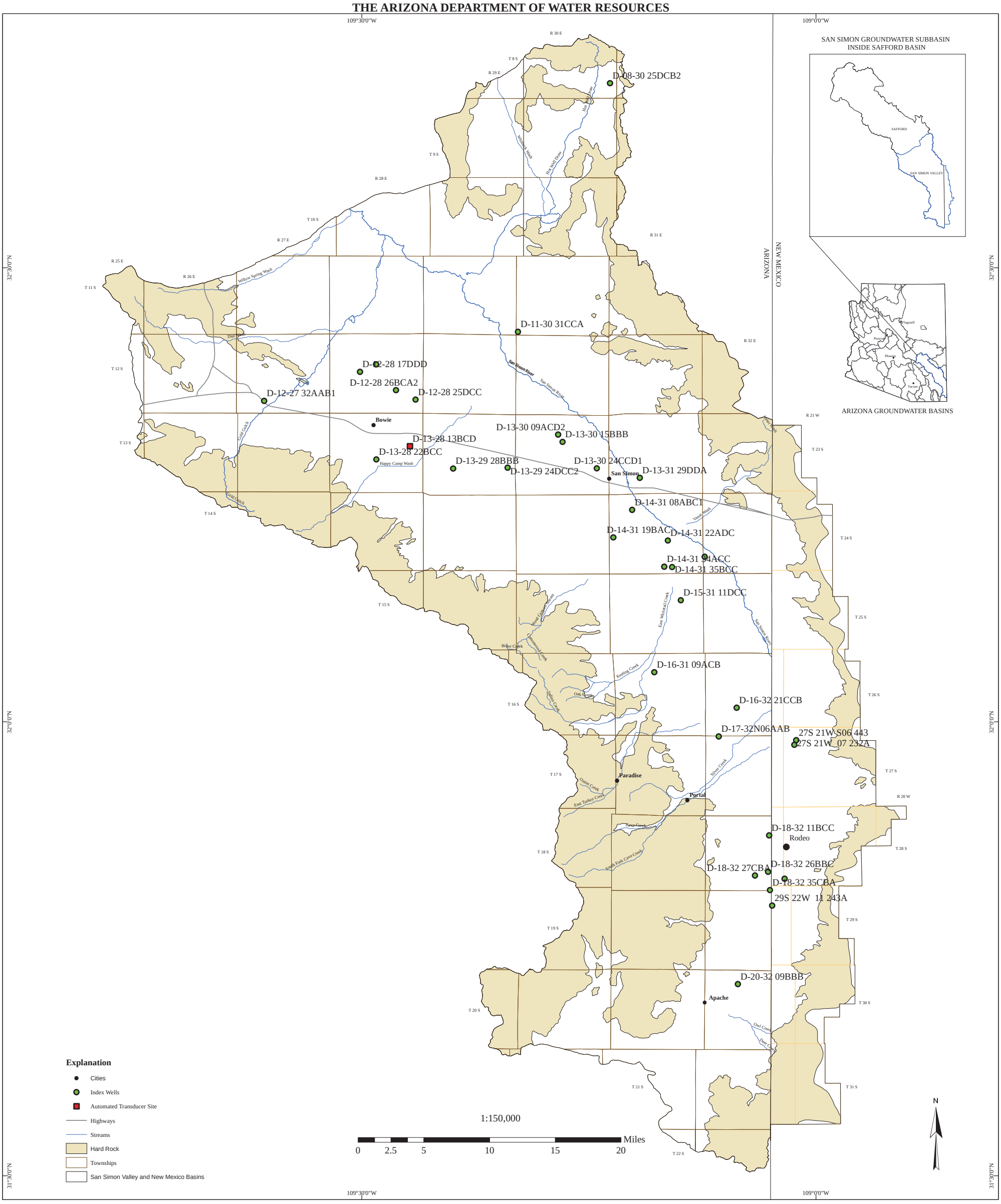
Non-Index "Basin Sweep" Well Data

Water levels were collected from numerous wells not typically measured by ADWR except during "basin sweeps" when extensive efforts are made to collect water level data from a high-density network of wells that cover the groundwater basin, and if possible, monitor multiple hydrogeologic units or aquifers.

Annual Index well measurements along with basin sweep water levels and discrete water level measurements from automated Index well sites were compiled for each time period. A total of 451 water levels were collected during the WY07 basin sweep and 397 water levels were collected in WY15. See Appendices 6 and 7 for a compilation of all water level data for each water year.

DEPTH-TO-WATER

San Simon Valley Sub-basin water level statistics are provided for WY07 and WY15 in Table 12. The minimum depth-to-water measured increased from 0 feet (flowing well) in WY07 to 2.2 feet in WY15 while the maximum depth-to-water increased from 671.6 feet in WY07 to 745.5 in WY15. The median depth-to-water increased from 129.4 feet in WY07 to 145.4 feet in WY15. The mean depth-to-water increased from 170 feet in WY07 to 191.2 feet in WY15.



Created on January 7th, 2016
Created By: Scott Stuk and James Dieckhoff
North American Datum 1983
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Print_Copy\Figures

Hydrology Division

Figure 7 - Location of GWSI Index Wells and Automated Water Level Monitoring Wells in the San Simon Valley Sub-basin

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
ADWR Information Services
3550 North Central Avenue
Phoenix, AZ 85012
(602) 771-8627
www.azwater.gov

Table 12. Summary of Water Level Data for WY07 and WY15 in the San Simon Valley Sub-basin.

Year	Count	Minimum DTW [ft]	Maximum DTW [ft]	Median DTW [ft]	Mean DTW [ft]	Standard Deviation [ft]
2007	438	0.0	671.8	129.4	170.7	122.0
2015	377	2.2	745.5	145.4	191.2	135.7

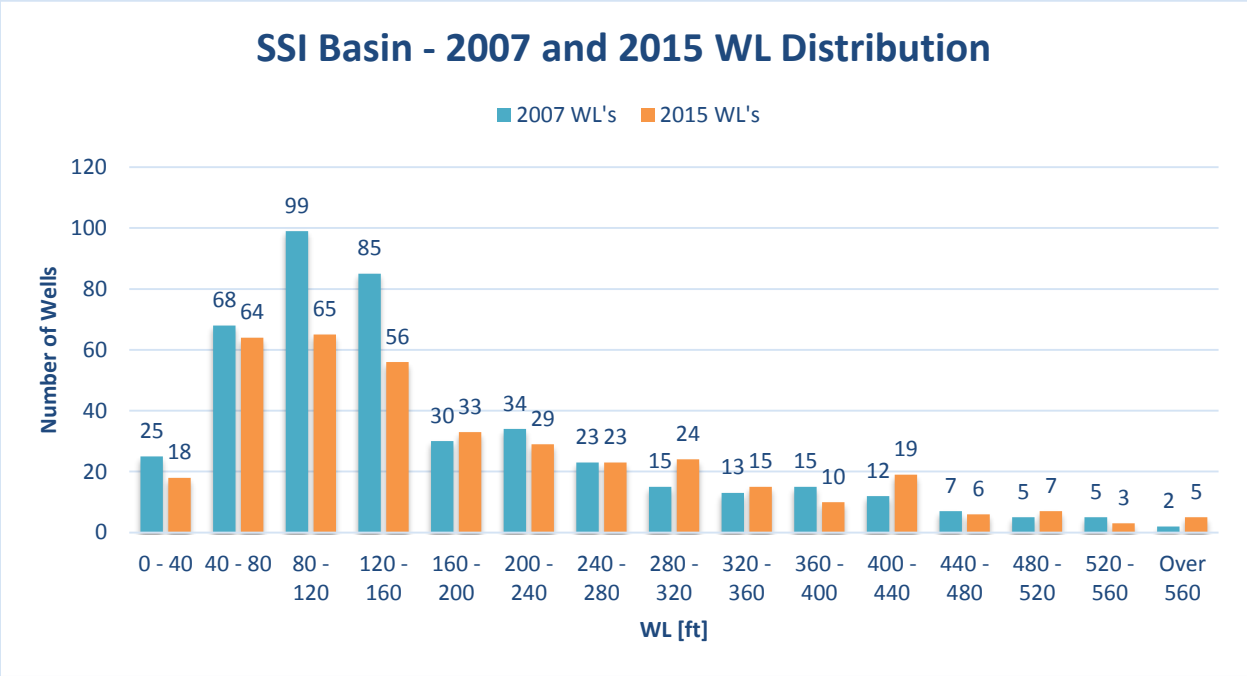

Figure 8. Distribution of Depth-to-Water Measurements (WY07 and WY15) for the San Simon Valley Sub-basin.

The distribution of depth-to-water measurements for WY07 and WY15 is shown in Figure 8. The number of wells falling within each depth interval are listed per water year. For example, in WY07, 85 of 438 wells were in the depth-to-water range of 120-160 feet and in WY15, 56 of 377 wells measured were in the same depth range.

Depth-to-Water WY15

Depth-to-water measurements collected in WY15 ranged from 2.2 feet to 745.5 feet bls. Table 13 summarizes WY15 depth-to-water statistics by township and range. In WY15, the greatest depth-to-water that was measured (745 feet bls) in the San Simon Valley Sub-basin was in T20S R30E, just north of the southern sub-basin boundary and along the east side of the Chiricahua Mountains. Also, an area south of Bowie showed depths to water in the range of 500 to 600 feet bls (Plate 13). A cluster of wells in T14S R29E showed depths-to-water that were greater than 450 feet.

Table 13. WY15 Depth-to-Water (DTW) Measurements in the San Simon Valley Sub-basin.

Township	Range	Count	Min DTW [ft]	Max DTW [ft]	Median DTW [ft]	Mean DTW [ft]	SD [ft]
9	29	1	247.7	247.7	247.7	247.7	N/A
9	30	1	190.8	190.8	190.8	190.8	N/A
10	29	1	216.9	216.9	216.9	216.9	N/A
11	26	2	438.2	457.7	448.0	448.0	13.8
11	28	2	127.2	133.0	130.1	130.1	4.1
11	30	2	39.4	165.3	102.4	102.4	89.0
11	31	1	267.6	267.6	267.6	267.6	N/A
12	26	3	81.3	381.5	132.6	198.5	160.6
12	27	5	130.6	424.9	132.1	238.2	147.5
12	28	39	67.2	489.5	333.4	271.3	141.8
12	29	3	51.2	128.7	114.4	98.1	41.2
12	30	1	199.7	199.7	199.7	199.7	N/A
12	31	5	15.7	235.4	56.5	87.7	90.6
13	26	1	84.7	84.7	84.7	84.7	N/A
13	27	1	7.4	7.4	7.4	7.4	N/A
13	28	30	112.3	562.7	403.7	347.0	160.2
13	29	62	89.4	365.5	141.1	174.7	83.7
13	30	40	50.3	157.1	68.8	79.3	25.5
13	31	31	37.8	301.5	98.9	136.9	86.2
14	28	2	9.5	419.8	214.7	214.7	290.1
14	29	5	200.3	518.7	439.4	412.0	122.9
14	30	1	83.4	83.4	83.4	83.4	N/A
14	31	47	39.4	323.2	189.2	169.7	89.0
14	32	7	171.7	302.1	261.0	248.6	47.1
15	29	4	13.5	75.9	43.3	44.0	30.8
15	30	3	36.5	92.2	59.1	62.6	28.0
15	31	5	231.7	307.2	284.6	279.8	28.5
15	32	2	282.0	285.5	283.8	283.8	2.5
16	30	1	85.9	85.9	85.9	85.9	N/A
16	31	6	31.9	591.1	148.3	188.8	204.0
16	32	13	129.6	262.8	195.5	191.4	35.9
17	31	8	10.8	439.8	52.3	108.1	144.7
17	32	3	178.7	332.1	190.6	233.8	85.3
18	32	6	94.8	217.7	116.0	128.9	44.9
19	32	6	168.3	296.6	212.4	220.6	44.0
20	30	2	179.1	745.5	462.3	462.3	400.5
20	31	3	2.2	336.3	60.3	132.9	178.5
20	32	2	253.1	282.1	267.6	267.6	20.5
21	31	2	49.3	553.3	301.3	301.3	356.4
21	32	1	9.7	9.7	9.7	9.7	9.7
24	21	3	85.0	656.8	636.7	459.5	324.5
25	21	1	313.4	313.4	313.4	313.4	N/A
26	21	2	56.5	97.7	77.1	77.1	29.1
26	22	2	35.0	40.7	37.9	37.9	4.0
27	20	1	153.4	153.4	153.4	153.4	N/A
27	21	5	87.9	318.2	133.4	161.6	90.0
27	22	2	148.2	150.3	149.3	149.3	1.5
28	21	1	107.1	107.1	107.1	107.1	N/A
Basin Statistics		377	2.2	745.5	145.4	191.2	135.7

In some areas near the sub-basin margins, shallow perched groundwater zones (depth-to-water < 100 feet) were found that may be isolated from the regional, basin-fill aquifer system. Shallow groundwater levels less than 100 feet in depth were also found east of T16S R32E along the San Simon River in New Mexico. South of the town of San Simon, in T14S R30E, depths-to-water were also found to be less than 100 feet bls. Shallow groundwater was also found in the northern portion of T13S R30E near the San Simon River and generally observed along the San Simon River to the northern sub-basin boundary. Water levels of less than 100 feet were also found near the western sub-basin boundary with the Willcox Basin. Plate 14 shows depth-to-water statistics compiled by township and range for the San Simon Valley Sub-basin for WY15.

WELL DEPTH DATA

Statistics on well depths in the San Simon Valley Sub-basin are compiled by township and range in Table 14. The greatest well depth in the San Simon Valley Sub-basin is 4,137 feet and the shallowest well depth is 8 feet. The mean well depth in the San Simon Valley Sub-basin is 524 feet. Plate 15 shows well depth statistics for each township and range in the sub-basin. Information shown on Plates 14 and 15 may be useful to well owners in assessing the depth-to-water and well depths in the vicinity of their wells.

Table 14. GWSI Well Depth Statistics for the San Simon Valley Sub-basin**.**

Township	Range	Count	Min Well Depth [ft]	Max Well Depth [ft]	Median Well Depth [ft]	Mean Well Depth [ft]	SD [ft]
8	30	2	480	509	495	495	21
9	29	1	375	375	375	375	N/A
9	30	2	320	700	510	510	269
10	28	3	200	1,925	1,555	1,227	908
10	29	2	520	525	523	523	4
11	26	3	50	550	500	367	275
11	28	4	169	1,818	420	707	777
11	29	11	400	815	680	677	120
11	30	2	437	800	619	619	257
11	31	3	15	696	169	293	357
12	26	12	25	700	300	326	212
12	27	8	168	540	313	327	132
12	28	41	110	2,000	758	889	445
12	29	2	65	300	183	183	166
12	30	2	38	55	47	47	12
12	31	5	35	700	320	311	267
12	32	1	430	430	430	430	N/A
13	26	4	27	562	353	324	225
13	27	2	195	400	298	298	145
13	28	57	140	4,110	640	688	544
13	29	75	110	4,110	195	519	562
13	30	74	73	2,000	150	353	427
13	31	87	64	4,137	630	564	511
13	32	1	200	200	200	200	N/A
14	28	2	150	550	350	350	283
14	29	5	400	1,325	765	852	364

Table 14. GWSI Well Depth Statistics for the San Simon Valley Sub-basin (Continued).

Township	Range	Count	Min Well Depth [ft]	Max Well Depth [ft]	Median Well Depth [ft]	Mean Well Depth [ft]	SD [ft]
14	30	9	75	1,040	800	578	384
14	31	131	75	2,000	718	631	344
14	32	21	250	1,046	720	637	234
15	28	1	102	102	102	102	N/A
15	29	3	30	60	40	43	15
15	30	1	120	120	120	120	N/A
15	31	14	169	1,003	725	658	282
15	32	10	17	1,145	200	404	437
16	30	1	150	150	150	150	N/A
16	31	4	169	410	275	282	121
16	32	26	52	840	495	458	198
17	31	14	60	665	220	247	161
17	32	11	140	1,000	500	501	279
18	31	1	200	200	200	200	N/A
18	32	19	90	1,000	350	391	256
19	31	2	96	150	123	123	38
19	32	23	200	604	365	384	119
20	29	1	125	125	125	125	N/A
20	30	6	150	1,372	401	546	486
20	31	5	20	800	450	444	339
20	32	12	170	600	424	405	122
21	31	3	750	900	750	800	87
21	32	4	100	1,000	555	553	384
22	32	2	979	1,000	990	990	15
26	21	5	15	225	95	107	77
26	22	10	8	350	158	157	109
27	21	14	141	500	268	291	112
27	22	3	164	505	505	391	197
28	21	5	270	600	471	437	129
28	22	4	210	350	300	290	58
29	21	1	665	665	665	665	N/A
29	22	11	300	925	393	475	189
Basin Statistics		791	8	4,137	500	524	424

DEPTH-TO-BEDROCK

The depth-to-bedrock map for the San Simon Sub-basin was obtained from the Arizona Geological Survey (Gootee, 2012). The depth-to-bedrock varies throughout the sub-basin (Plate 16) from exposed bedrock and shallow bedrock near the Basin boundary, to about 8,700 feet bls in the deepest part of the sub-basin near the southwest corner of T14S R31E. Bedrock depths generally become shallower towards the sub-basin margins.

SATURATED THICKNESS

The saturated thickness of basin-fill deposits varies throughout the San Simon Valley Sub-basin (Plate 17). The saturated thickness ranges from zero thickness near exposed and shallow bedrock located close to the sub-basin boundaries, to greater than 8,500 feet near the southwest corner of T14S R31E.

Although the saturated thickness of basin-fill deposits may indicate substantial groundwater storage, it is important to note that not all groundwater in storage may be practically recoverable due to hydrogeologic, technical, economic or other reasons.

WATER LEVEL ELEVATIONS

Water level elevations were contoured for the WY07 and WY15 basin sweeps (Plates 18 – 21). ADWR's HMS-19 report provides basic information regarding the hydrogeologic system in the San Simon Valley Sub-basin and was referenced in constructing current water level elevation contours (ADWR, 1991). The alluvial basin-fill deposits are sub-divided into younger and older alluvium. The younger basin-fill consists of unconsolidated silt, sand, and gravels of Holocene age that were deposited along stream channels. The younger stream alluvium does not contain significant groundwater and is not considered a viable water producing hydrogeologic unit due to its minimal thickness ranging up to 10 feet thick and limited spatial extent.

The older alluvial fill contains thick deposits of interlayered beds and lens of unconsolidated to consolidated clay, silt, sands, and gravels that can store and produce significant amounts of groundwater. The older alluvium is divided into upper, middle, and lower units ranging in age from Miocene to Pleistocene deposits. A recent geologic analysis of the San Simon Valley Sub-basin by the AZGS (2012) further defined the older alluvial deposits as Upper Basin Fill (UBF) and the Lower Basin Fill (LBF) units.

The late Miocene to Pliocene age LBF lies uncomformably above predominately volcanic rocks and other igneous and metamorphic bedrock deposited in proximal and distal alluvial fans and lacustrine environments. The LBF is characterized by thick evaporite deposits especially in the northern portion of the sub-basin and semi-consolidated silts, sands and gravels, consolidated siliciclastic (conglomerates) as well as freshwater limestones. The LBF contains most of the groundwater stored in the sub-basin with aquifer conditions ranging from unconfined to confined. The thickness of the LBF is estimated to exceed 8,000 feet (AzGS, 2012).

The UBF consists of unconsolidated to semi-consolidated alluvial to lacustrine deposits which contain clays that may exceed 600 feet in thickness. Thick blue and green clay is found in the central part of the sub-basin, from south of San Simon to the northern portion of the sub-basin where it pinches out near the basin margin. The clay overlies the LBF and acts as a confining layer between the UBF and LBF. Overlying the blue clay, sands, silts, gravels of the UBF comprise a shallow, unconfined aquifer where perching conditions often occur in irrigated areas. Prior to, and during the initial period of groundwater development in the area (the 1910s and 1920s), substantial artesian pressure existed in the confined LBF hydrogeologic unit and many "flowing artesian wells" were completed in the San Simon and Bowie areas by drilling through the clay into the underlying LBF deposits. However, the artesian pressure eventually diminished in the LBF due to long-term groundwater production and through unsealed well discharge (ADWR, 1991). Today the water pressure in the LBF hydrogeologic unit is generally lower than in the UBF hydrogeologic unit and downward groundwater flow from the UBF to LBF may occur through poorly constructed "conduit" wells and in areas where the thickness of confining clay layers may be small or non-existent.

Due to the vertical hydraulic gradient that still exists between the UBF and LBF hydrogeologic units in much of the irrigated portion of the San Simon Valley Sub-basin, two sets of water level contours were developed from the available data to illustrate relative differences in groundwater flow directions for shallow and deep wells that penetrate the hydrogeologic units in that area. Water level data were generally grouped for shallow UBF wells and deeper LBF wells. Water level data in the deeper LBF wells reflect groundwater conditions in the regional aquifer system, while the data for shallow UBF wells generally reflect local, non-regional groundwater conditions that may include perching zones. In some areas shallow and deep wells show little difference in groundwater level elevation.

In general, groundwater flows in the San Simon Valley Sub-basin from locations of recharge along the higher mountain fronts and ephemeral stream channels that drain the mountainous areas (mainly along the Chiricahuas and Dos Cabezas) towards the north, into the Gila Valley Sub-basin of the Safford Basin. Groundwater flow in the regional aquifer is also directed towards pumping centers in the Rodeo, San Simon and Bowie areas.

Water level elevation contours north of the town of Rodeo range from 3,950 feet to 3,850 feet where irrigated lands and pumpage influence the direction of flow from a northeast flow to a northwesterly direction. East of San Simon, a significant cone of depression has developed in T13S R31E where water level elevations range from 3,377 feet to 3,500 feet. Another cone of depression is found in and around Bowie with water level elevations ranging from about 3,200 feet to 3,350 feet in T12S R28E and T13S R28E in WY15. The same general flow patterns were observed in WY07 water level data (Plates 18 and 20).

Water level elevations within the shallow or non-regional aquifer range from about 3,400 feet north of Bowie to 3,650 feet south of San Simon. Localized groundwater mounding (perching conditions) are indicated in some shallow wells located in those areas (Plates 19 and 21).

WATER LEVEL CHANGE (WY07 – WY15)

Groundwater level change data are provided for each well site in the San Simon Valley Sub-basin that had comparable WY07 and WY15 water level measurements (see Appendix 7). The summary consists of 296 records that include all reduced data and all comparable remarked measurements (see Methods section). For the purposes of the following analyses, a “rise” in water level indicates a decrease in the depth to groundwater, while a “decline” in water level indicates an increase in the depth to groundwater.

Plate 22 shows water level changes between WY07 and WY15 in the San Simon Valley Sub-basin. Rises in groundwater level are shown in blue, declines in red, and no change (less than one foot) are shown in green. The size of the well symbol is proportional to the magnitude of groundwater level change (Plate 22). Water level measurements with remarks are plotted when either one, or both water level measurements had an associated remark such as pumping, cascading, etc. Water level measurements with remarks are indicated with an asterisk posted within the well symbol; specific remarked data can be reviewed in Appendix 7.

Water level measurement data for the San Simon Valley Sub-basin that are listed in Appendix 7 were further reduced for statistical analysis by removing anomalous "remarked" measurements (see method section). Of the 281 wells with comparable water level measurement that were used for statistical analysis, 220 wells had declining water levels, 34 wells showed rising water levels, and 27 wells showed no change (Table 15). The median water level change was -6.1 feet while the mean water level change was -9.2 feet with a standard deviation of 17.7 feet. The median rate of water level change per year was -0.8 feet/yr and the mean rate of water level change per year was -1.2 feet/yr. Water level changes per township and range are listed in Table 16 and shown in Plate 23.

Table 15. Water Level Change Summary for the San Simon Valley Sub-basin (WY07 and WY15).

Count	Wells W/ Rising WLS	Wells W/ Declining WLS	Wells W/ No Change in WLS	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD [ft]	Median WL Change Rate [ft/yr]	Mean WL Change Rate [ft/yr]
281	34	220	27	-95.9 to 90.8	-6.1	-9.2	17.7	-0.8	-1.2

Table 16. Water Level Change (Per T & R) in the San Simon Valley Sub-basin (WY07 and WY15).

Township	Range	Count	Wells w/ Rising WLs	Wells w/ Declining WLs	Wells w/ No Change in WLs	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD of WL Change [ft]	Median Rate of WL Change [ft/yr]	Mean Rate of WL Change [ft/yr]
9	29	1	0	1	0	-11.7 to -11.7	-11.7	-11.7	N/A	-1.5	-1.5
9	30	1	0	0	1	-0.1 to -0.1	-0.1	-0.1	N/A	0.0	0.0
10	29	1	0	1	0	-9.3 to -9.3	-9.3	-9.3	N/A	-1.2	-1.2
11	26	2	0	2	0	-7.3 to -1.4	-4.4	-4.4	4.2	-0.5	-0.5
11	28	2	1	0	1	0.3 to 3.7	2.0	2.0	2.4	0.3	0.3
11	30	2	0	2	0	-12.4 to -11.7	-12.1	-12.1	0.5	-1.5	-1.5
12	26	2	0	2	0	-6.7 to -1.3	-4.0	-4.0	3.8	-0.5	-0.5
12	27	3	1	2	0	-16.2 to 7.1	-1.8	-3.6	11.8	-0.2	-0.5
12	28	25	1	24	0	-70.4 to 3.1	-12.4	-16.4	15.1	-1.6	-2.1
12	29	3	0	2	1	-11.6 to 0.8	-9.5	-6.8	6.6	-1.2	-0.9
12	30	1	0	1	0	-14.8 to -14.8	-14.8	-14.8	N/A	-1.9	-1.9
13	26	1	0	0	1	0.1 to 0.1	0.1	0.1	N/A	0.0	0.0
13	27	1	1	0	0	90.8 to 90.8	90.8	90.8	N/A	11.4	11.4
13	28	26	2	22	2	-30.5 to 10.5	-21.7	-15.5	12.6	-2.7	-1.9
13	29	61	3	56	2	-95.9 to 2.9	-5.5	-9.8	13.4	-0.7	-1.2
13	30	33	8	15	10	-14.8 to 12.4	-0.3	-1.2	4.3	0.0	-0.2
13	31	17	0	17	0	-54.2 to -0.5	-7.9	-13.6	14.1	-1.0	-1.7
14	28	1	1	0	0	19.9 to 19.9	19.9	19.9	N/A	2.5	2.5

Table 16. Water Level Change Summary for the San Simon Valley Sub-basin (WY07 and WY15) (Continued).

Township	Range	Count	Wells w/ Rising WLs	Wells w/ Declining WLs	Wells w/ No Change in WLs	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD of WL Change [ft]	Median Rate of WL Change [ft/yr]	Mean Rate of WL Change [ft/yr]
14	29	5	1	4	0	-20 to 6.8	-18.9	-14.0	11.7	-2.4	-1.8
14	30	1	1	0	0	2.9 to 2.9	2.9	2.9	N/A	0.4	0.4
14	31	28	1	25	2	-62.6 to 48.9	-9.6	-13.3	18.3	-1.2	-1.7
14	32	5	0	5	0	-92.6 to -7	-39.8	-39.3	33.2	-5.0	-4.9
15	29	4	1	2	1	-29 to 8.1	-8.4	-9.4	16.6	-1.0	-1.2
15	30	2	2	0	0	3.5 to 38.8	21.2	21.2	25.0	2.6	2.6
15	31	3	0	3	0	-57.9 to -18	-34.6	-36.8	20.0	-4.3	-4.6
15	32	2	0	2	0	-62.3 to 52.3	-57.3	-57.3	7.1	-7.2	-7.2
16	30	1	1	0	0	37.5 to 37.5	37.5	37.5	N/A	4.7	4.7
16	31	4	2	2	0	-74.69 to 16.72	-5.2	-17.1	40.7	-0.6	-2.1
16	32	9	2	7	0	-10.4 to 1.9	-6.0	-4.9	4.2	-0.8	-0.6
17	32	3	0	1	2	-2.5 to -0.3	-0.7	-1.2	1.2	-0.1	-0.2
18	32	6	0	6	0	-8 to -1	-5.2	-5.2	2.6	-0.7	-0.7
19	32	5	0	4	1	-15.7 to 0	-5.8	-7.0	6.7	-0.7	-0.9
20	31	3	2	0	1	-0.29 to 47.3	8.1	18.4	25.4	1.0	2.3
20	32	2	0	2	0	-14.8 to -2.5	-8.7	-8.7	8.7	-1.1	-1.1
21	31	2	1	1	0	-1.2 to 3.6	1.2	1.2	3.4	0.2	0.2
21	32	1	1	0	0	47.4 to 47.4	47.4	47.4	N/A	5.9	5.9
24S*	21W	1	0	1	0	-7.4 to -7.4	-7.4	-7.4	N/A	-0.9	-0.9
25S*	21W	1	0	1	0	-3.9 to -3.9	-3.9	-3.9	N/A	-0.5	-0.5
26S*	21W	4	1	3	0	-6.4 to 33.4	-2.0	5.8	18.5	-0.2	0.7
27S*	21W	4	0	3	1	-5.9 to -0.6	-5.3	-4.3	2.5	-0.7	-0.5
27S*	22W	2	0	1	1	-2.2 to -0.1	-1.2	-1.2	1.5	-0.1	-0.1
BASIN STATISTICS		281	34	220	27	-95.9 to 90.8	-6.1	-9.2	17.7	-0.8	-1.2

S* = Shallow local aquifer

Large water level declines ranging from -70 to -96 feet also were observed in the LBF unit in the areas north and south of Bowie and west of Olga (T11S R28E and T13S R28E & R29E). Large declines ranging between -43 and -63 feet were also observed near irrigated areas located north, south and southeast of San Simon (T13S R31E and T14S R31E) (Plate 22).

Moderate water level declines ranging from -10 to -40 feet were also observed in many wells located in the Bowie and San Simon areas. Water level declines ranging from -10 to -15 feet were measured in undeveloped desert areas located north of the San Simon River in T11S R30E. Declines ranging from -17 to -29 feet were seen in the Olga area T13S R29S and T14S R29E and near Apache Pass on the northeastern side of the Dos Cabezas. Scattered declines between -15 and -20 feet were measured in T16S R31E and south of Apache in T19S R32E. One well located near the southern sub-basin boundary in T20S R30E showed an apparently anomalous -36 feet drop in water level.

Water level declines of less than -10 feet were observed throughout much of the southern portion of the San Simon Valley Sub-basin. In T19S R32E, near Apache, many wells showed less than -3 feet of decline. Water level changes were less than -10 feet near the town of Rodeo. Similar rates of decline were observed for most wells in New Mexico and along the San Simon River, including a well cluster in T17S R32E. Only a few wells had small declines in the San Simon area and only one well had a decline less than -10 feet in the Bowie area. North of the interstate between San Simon and Olga in T13S R30E, a couple of wells showed water level changes of less than -2 feet. In the northeastern portion of the sub-basin near T12S R26E a few wells showed water level changes of less than -10 feet.

One area that showed no clear trend was located near Whitetail Canyon north of the town of Paradise in T16S R31E, in the Chiricahua Mountains. In that area several wells showed large to moderate water level declines, while other wells showed moderate to small water level rises.

Water level rises were generally observed in shallow wells located within the mountains or near the margins of the sub-basin and in wells located near major drainages (regardless of well depth). Large water level rises approaching +47 feet were observed on both the east and west sides of the sub-basin in T20S R31E and in T21S R32E, near the southern sub-basin boundary. Moderate water level rises between +10 and +39 feet were generally seen near the sub-basin margins and near the San Simon River. A well owner reported flood activity in the last six months near a well that rose 33 feet located at 26S 22W 12 223 in New Mexico.

Small water level rises of less than 10 feet were seen in the Gold's Gulch area, in the northern portion of the sub-basin, and in a couple of wells located in the southern portion of T16S R32E. Rises of less than 10 feet were also observed in well clusters located west of San Simon and south of Olga in T13S R30E and T13S R29E, respectively.

A few wells with no water level change were dispersed throughout the sub-basin but were generally concentrated in an area east of San Simon and south of Olga. Wells with little or no water level change were measured along and near the San Simon River, particularly north of the town of San Simon and in New Mexico, and near the southern sub-basin boundary.

Selected Hydrographs

Selected hydrographs for the San Simon Valley Sub-basin are compiled in Appendix 8. Hydrographs show the history of water level measurements for each well and indicate groundwater level trends that often reflect the impacts of historic pumpage and recharge in the sub-basin. Hydrographs provide valuable insight into past groundwater conditions and can be useful in estimating future hydrologic conditions.

GROUNDWATER USE, CROP SURVEYS AND AGRICULTURE ACREAGE

Water use data for the San Simon Valley Sub-basin have been compiled by the United States Geological Survey (USGS). Although there are several streams and rivers in the area, there is relatively minimal use of surface water (except for stock in the sub-basin).

Prior to 1990, annual groundwater consumption estimates for Arizona's groundwater basins and sub-basins were provided as annual totals in USGS annual groundwater summaries (USGS, 1994). Annual groundwater consumption data for the period from 1915 to 1990 are listed in Appendix 13. Since 1990, the USGS in cooperation with ADWR has compiled annual groundwater and surface water withdrawal data for areas outside Active Management Areas (AMAs) for irrigation, municipal, mining, thermoelectric-power and drainage uses (USGS, 2004). Estimated groundwater consumption in the San Simon Valley Sub-basin from 1990 to 2014 is summarized in Appendix 14. Estimated ground water consumption in the San Simon Vally Sub-basin in 1991 was 46,250 AF, with 46,000 AF for agricultural use and 250 AF for municipal use, respectively. In 2014 the estimated agricultural groundwater use was 44,000 AF and municipal groundwater use was 250 AF.

Estimated agricultural acreage for the San Simon Valley Sub-basin from 1990 to 2014 is listed in Appendix 15. The estimated agricultural acreage for the San Simon Valley Sub-basin in 2014 was 19,700 acres compared to 12,400 acres in 1991. Since 2006, cropped acreage, crop types, irrigation methods and agricultural water use has been estimated by the USGS using field crop surveys, and other data. Cropped acreage estimates for 2014 were field verified by the USGS. The results of those surveys are shown in Figure 9.

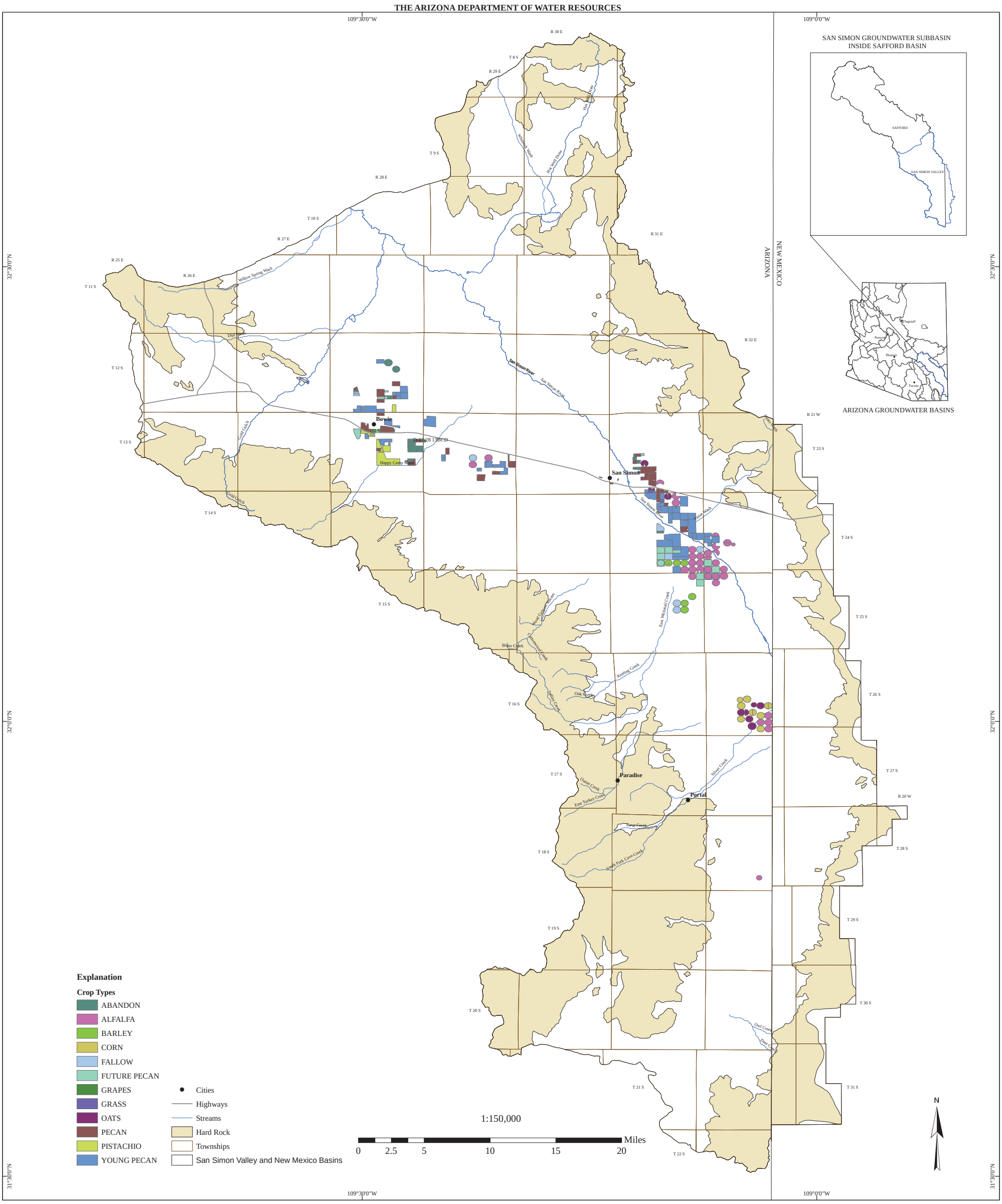

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Figure 9 - USGS Estimated Cropped Acreage in the San Simon Valley Sub-basin 2014

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

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PRECIPITATION

Monthly total precipitation for WY15 and long term precipitation averages were compiled for five sites in the San Simon Valley Sub-basin. Precipitation data were downloaded from the Western Regional Climate Center on 10/01/2015. Stations include: San Simon, Arizona (027560), Bowie, Arizona (020958), Paradise, Arizona (026242), Painted Canyon, Arizona (026186), and Portal 4 SW, Arizona (026716). The data are summarized in Table 17 and the locations of the precipitation stations are shown in Figure 10.

Table 17. Precipitation Data for Selected Weather Stations in the San Simon Valley Sub-basin Data downloaded October 01, 2015.

San Simone, Arizona (027560) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az7560													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	0.78 a	0.24 a	0.48 b	0.98 c	0.37 b	0.82 b	0.37 a	0.10 c	0.10 h	1.20 d	1.27 a	1.10 o	6.61 b
Long-Term Average 1898-2015	0.59	0.59	0.91	0.72	0.72	0.58	0.27	0.15	0.35	1.74	2.04	0.87	9.52
Bowie, Arizona (020958) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az0958													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	---	---	---	---	---	---	---	---	---	---	---	---	---
Long-Term Average 1899-2012	0.85	0.61	0.95	0.83	0.79	0.61	0.26	0.23	0.35	2.10	2.12	1.06	10.76
Paradise, Arizona (026242) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az6242													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	1.72	0.32	1.26	1.98	0.76 a	0.97 a	0.55	0.14	0.38	5.91	2.57	2.87	19.43
Long-Term Average 1906-2015	1.12	1.28	1.61	1.21	1.31	1.07	0.55	0.39	0.61	4.42	3.60	2.01	19.16
Painted Canyon, Arizona (026186) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az6186													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	1.42	0.46 a	0.84	3.59 a	0.21	1.53	0.36	1.24	0.73 c	9.37 a	4.34	2.70	26.79
Long-Term Average 1951-2015	1.27	0.82	1.34	1.49	0.68	1.27	0.47	0.22	0.75	4.78	4.76	1.65	19.50
Portal 4 SW, Arizona (026716) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az6716													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	---	---	---	---	---	---	---	---	---	---	---	---	---
Long-Term Average 1965-2013	1.54	1.26	1.97	1.39	1.21	0.92	0.50	0.46	0.96	4.31	3.76	2.30	20.57

Explanation: a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..; z = 26 or more days missing, A = Accumulations present; Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value. maximum allowable number of missing days : 5; Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

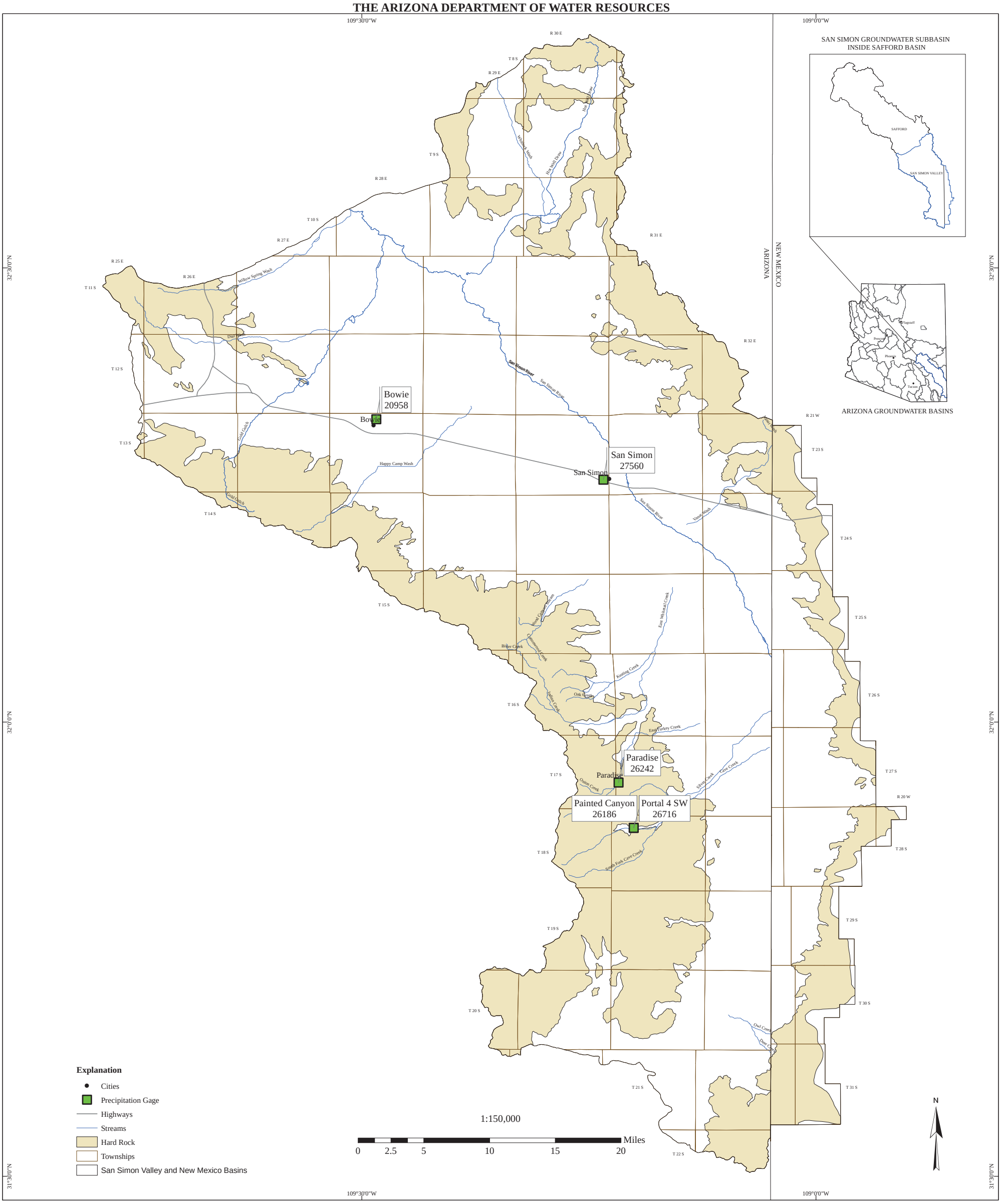

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Figure 10 - Selected Weather Stations in the San Simon Valley Sub-basin

For data go to:
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SURFACE WATER

There are currently no active stream gages in the San Simon Valley Sub-basin.

LAND SUBSIDENCE

Land subsidence was first documented in the 1950s in the San Simon Valley Sub-basin. Between 1952 and 1980 land subsidence of 5.8 feet was measured near the town of Bowie and 1.3 feet of land subsidence was measured near the town of San Simon (Strange, 1983). InSAR data has identified one land subsidence feature in the San Simon Valley Sub-basin called the Bowie/San Simon land subsidence feature (Figure 11). The Bowie/San Simon land subsidence feature is approximately 314 mi^2 and is located around the Towns of Bowie and San Simon. InSAR data shows that land subsidence rates have increased from 1996 (Plate 24) to 2015 (Plate 25). InSAR data from 1996 (ERS-1 and ERS-2) measure land subsidence rates as high as 4 cm/year (1.6 in/year) and InSAR data from 2014 to 2015 (Radarsat-2) measure land subsidence rates as high as 5 cm/year (2.0 in/year). Combining InSAR data from 2007 to 2010 and 2010 to 2015 (Plate 26), total land subsidence is measured as high as 39 centimeters (15.4 inches).

The land subsidence has resulted in a large number of earth fissures. The first earth fissures were observed in the San Simon Valley Sub-basin using aerial photography from 1978 and confirmed with subsequent field checks (Holzer, 1980). The AZGS has mapped 19.9 miles of earth fissures since it began mapping in 2009 throughout the San Simon Valley Sub-basin (Figure 11). Earth fissure activity is on-going due to large land subsidence rates of more than 5 cm/year (2.6 in/year). Several earth fissures have impacted roads, a major railway, and an interstate (I-10).

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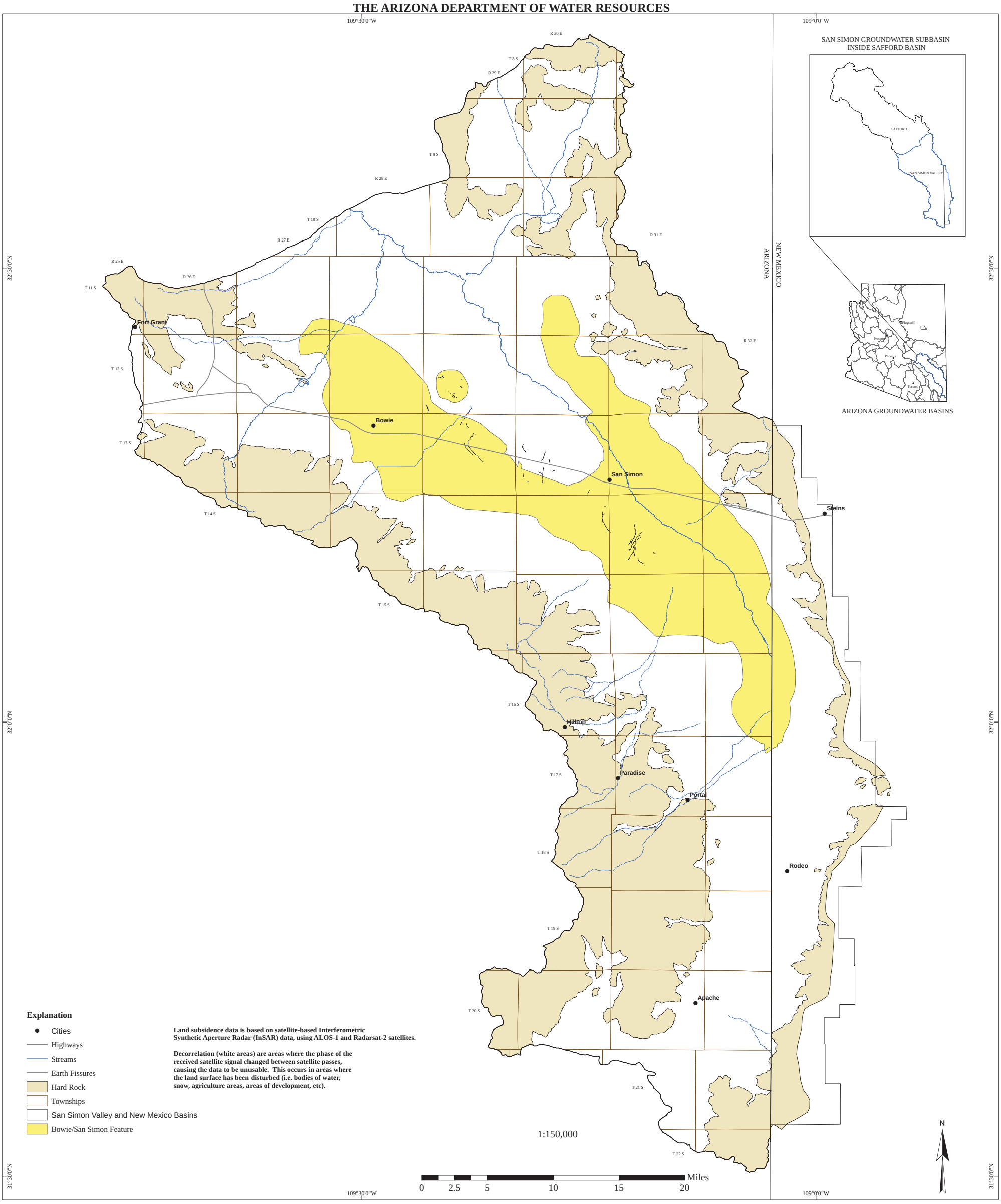

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Figure 11 - Land Subsidence and Earth Fissure Areas in the San Simon Valley Sub-basin

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WILLCOX BASIN

GROUNDWATER LEVEL DATA

Willcox Basin groundwater level data that were collected primarily in November and December 2005 and November and December 2014 are summarized in Tables 18 and 19. The tables summarize all water level data per water year compiled from ADWR's GWSI database. The summaries include: the total number of water level measurements, the range of depth-to-water, the number of unmeasurable wells (Unable to Measure - UTM), and a description (Remark Code) of the type of conditions encountered at the well site while the water level measurement was made. Appendices 9 and 10 list all water level measurements for each well site per water year.

Table 18. Summary of Water Level Measurements for WY06 - WIL.

Time Period	Number of Measurements	*Range of DTW [feet]	**Number of Unmeasurable Wells (UTM)	Number of Remarked Measurements
(11/13/2005 – 03/15/2006)	939	2.7 to 729.6	102	146

*Negative depths to water indicate "artesian pressure conditions" that are generally measured with a pressure gage.
** UTM includes all attempts to obtain a WL; issues such as property access, impassable roads, hazards, well measuring point access, obstructions, etc. prevent obtaining a WL.

Remark Code	D	F	K	O	P	R	S	V	W	X	Z
Remark Description	Dry	Flowing	Cascading	Obstructed	Pumping	Recently Pumped	Nearby Pumping	Foreign Material (Oil)	Well Destroyed	Surface Water Effects	Other
Remark Frequency	30	0	27	45	7	5	1	5	15	0	11

*Z – note some Other Remarks may be included in UTM count.

Table 19 Summary of Water Level Measurements for WY15 - WIL

Time Period	Number of Measurements	*Range of DTW [feet]	**Number of Unmeasurable Wells (UTM)	Number of Remarked Measurements
(10/08/2014 – 06/25/2015)	855	1.53 to 741.1	305	324

*Negative depths to water indicate "artesian pressure conditions" that are generally measured with a pressure gage.
** UTM includes all attempts to obtain a WL; issues such as property access, impassable roads, hazards, well measuring point access, obstructions, etc. prevent obtaining a WL.

Remark Code	D	F	K	O	P	R	S	V	W	M	Z
Remark Description	Dry	Flowing	Cascading	Obstructed	Pumping	Recently Pumped	Nearby Pumping	Foreign Material (Oil)	Well Destroyed	Well Plugged	Other
Remark Frequency	16	0	8	48	15	1	2	2	7	3	222

*Z – note some Other Remarks may be included in UTM count.

Annual Index Well Data

The Willcox Basin currently has 52 annual Index wells, wells that typically have long periods of record that ADWR attempts to measure during the same general time period of each year. Figure 12 shows the locations of Willcox Basin Index wells.

Automated Index Well Data

The Willcox Basin currently has 3 automated Index wells. Automated Index wells are equipped with instruments that measure water levels every 6 hours on a continuous basis. The instruments generally used are a pressure transducer or a shaft encoder to measure water levels and a data logger to record those levels. Some sites are 'telemetry' sites and have radio transmitters that transmit data once per day for near real-time data. All automated sites are visited 3 times per year for data downloads, maintenance and calibration. Data from telemetry sites are considered 'provisional' until the data are downloaded and confirmed.

The northern-most automated Index well in the Willcox Basin is identified by ID: D-16-25 01BBB. Automated equipment was installed on 01/31/2007 and the site is equipped with telemetry. Data for the site can be accessed at: https://gisweb.azwater.gov/gwsi/Detail.aspx?SiteID=320441109453901.

Another automated Index well located centrally in the Willcox Basin is ID: D-16-27 30BAC. The automated equipment was installed on 09/17/2009 and the site is equipped with telemetry. Data for the site can be accessed at: https://gisweb.azwater.gov/gwsi/Detail.aspx?SiteID=320105109382001.

The southern-most automated Index well in the Willcox Basin is D-21-28 21BCB. The automated equipment was installed on 04/15/2009 and the site is equipped with telemetry. Data for the site can be accessed at: https://gisweb.azwater.gov/gwsi/Detail.aspx?SiteID=313533109301801.

Figure 12 shows the location of the automated index wells site within the Willcox Basin.

Non-Index "Basin Sweep" Well Data

Water levels were collected from numerous wells not typically measured by ADWR except during "basin sweeps" when extensive efforts are made to collect water level data from a high-density network of wells that cover a groundwater basin, and if possible, monitor multiple hydrogeologic units or aquifers.

Annual index well measurements along with basin sweep water level measurements and discrete measurements from automated Index well sites were compiled into data sets for each time period. A total of 837 water levels were collected during the WY06 basin sweep and 550 water levels were collected in WY15. See Appendices 11 and 12 for a compilation of all water level data for each water year.

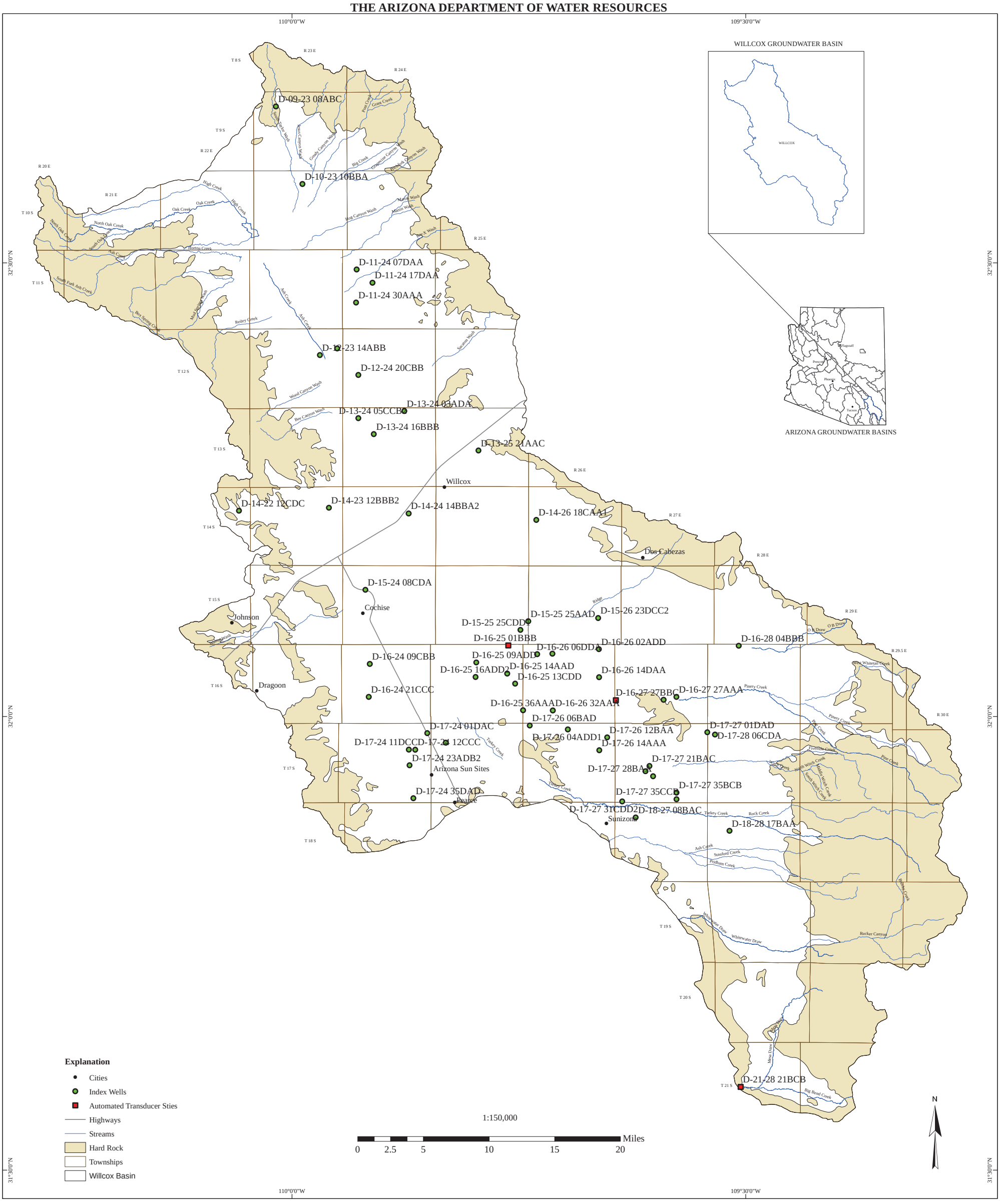

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Figure 12 - Locations of GWSI Index Wells and Automated Water Level Monitoring Wells in the Willcox Basin

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DEPTH-TO-WATER

Willcox Basin water level statistics are provided for WY06 and WY15 in Table 20. The minimum depth-to-water decreased from 2.7 feet in WY06 to 1.5 feet in WY15 while the maximum depth-to-water increased from 729.6 feet in WY06 to 741.1 in WY15. The median depth-to-water increased from 222.4 feet in WY06 to 262.8 feet in WY15. The mean depth-to-water increased from 207.4 feet in WY06 to 239.3 feet in WY15.

Table 20. Summary of Water Level Measurements in WY06 and WY15 in the Willcox Basin.

Year	Count	Minimum DTW [ft]	Maximum DTW [ft]	Median DTW [ft]	Mean DTW [ft]	Standard Deviation [ft]
2006	824	2.7	729.6	222.4	207.4	115.4
2015	541	1.5	741.1	262.8	239.3	132.0

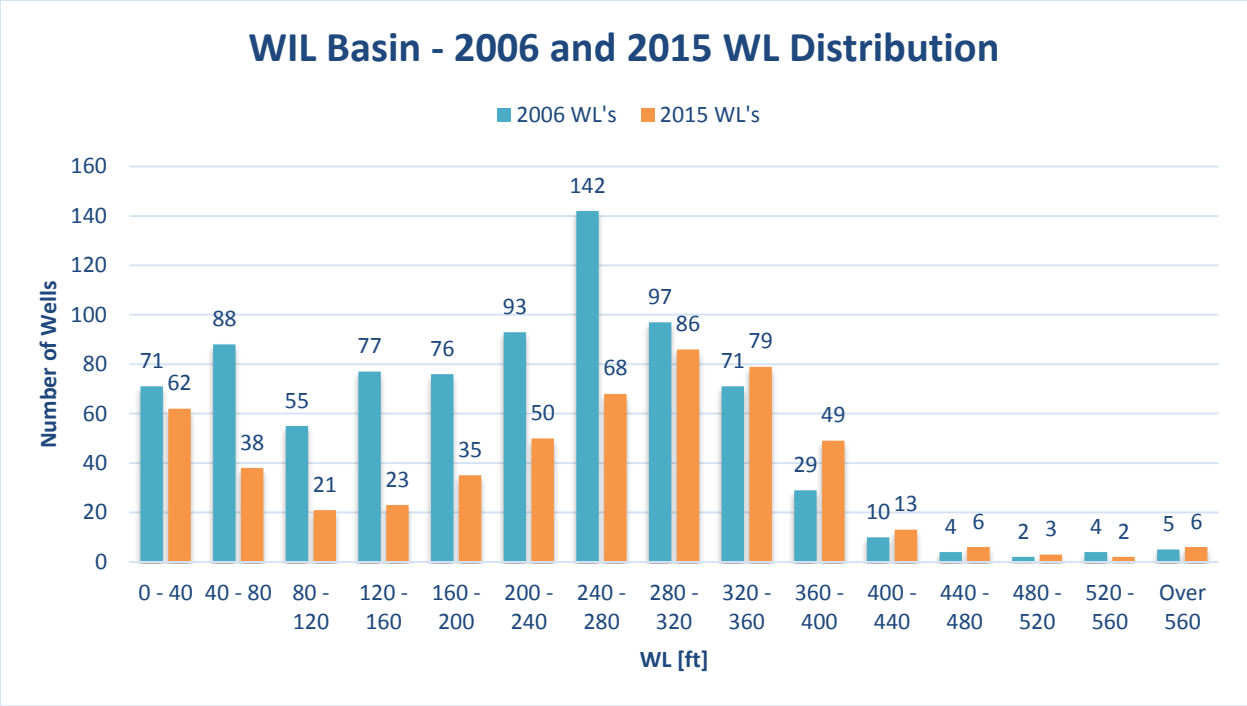

Figure 13. Distribution of Depth-to Water Measurements (WY06 and WY15) for the Willcox Basin.

The distribution of depth-to-water measurements for WY06 and WY15 are shown in Figure 13. The number of wells with water levels falling within each depth interval is listed per water year. For example, in WY06, 93 of 824 wells were in the depth-to-water range of 200-240 feet. In WY15, 50 of 541 wells measured were in the same depth range 200-240 feet.

Depth-to-Water WY15

Depths-to-water in WY15 for the Willcox Basin ranged from 741.1 to 1.5 feet below land surface. Table 21 summarizes depth-to-water statistics by township and range. The greatest depth-to-water (741.1 feet bls) that was measured in the Willcox Basin in WY15 was in T10S R21E, near the northeastern basin boundary between Aravaipa Creek and North Oak Creek. Depths-to-water along the eastern edge of the basin exceeded 570 feet and 650 feet in T13S R23E and T12S R23E, respectively. Between Turkey Creek and Pridham Creek in T18S R28E the depth-to-water approached 700 feet.

In some areas near the basin margins, shallow perched groundwater zones (depth-to-water < 100 feet) were found that may be isolated from the regional basin-fill aquifer system (Plate 27). North of the Willcox Playa in T14S R24E, T14S R25E, T13S R25E and T13S R24E shallow groundwater ranging in depth from about 20 feet to 80 feet was observed. Plate 28 shows the WY15 depth-to-water in the Willcox Basin per township and range.

Table 21. WY15 Depth-to-Water (DTW) Measurements in the Willcox Basin**.**

Township	Range	Count	Min DTW [ft]	Max DTW [ft]	Median DTW [ft]	Mean DTW [ft]	SD [ft]
10	21	5	30.2	741.1	645.5	491.9	309.9
10	22	8	299.1	347.5	317.4	320.7	15.0
10	23	11	230.6	438.1	340.5	344.7	58.7
10	24	3	40.3	252.8	174.8	156.0	107.5
11	21	3	56.4	68.3	58.1	60.9	6.4
11	22	1	314.4	314.4	314.4	314.4	N/A
11	23	48	149.5	381.5	309.7	303.6	38.8
11	24	16	256.4	450.4	348.8	347.2	51.1
11	25	1	339.5	339.5	339.5	339.5	N/A
12	23	28	162.6	647.2	236.4	250.2	87.4
12	24	27	170.9	316.4	198.6	207.9	33.4
12	25	4	176.4	294.6	256.1	245.8	58.4
13	23	1	571.6	571.6	571.6	571.6	N/A
13	24	20	45.6	200.8	144.8	137.5	36.5
13	25	4	54.3	160.5	80.2	93.8	50.2
14	22	4	101.1	543.4	282.0	302.1	233.7
14	23	11	89.5	442.0	260.2	257.6	93.8
14	24	13	24.1	58.3	42.5	40.2	9.5
14	25	11	20.3	235.2	31.1	66.2	73.8
14	26	3	242.7	271.0	245.1	252.9	15.7
15	23	2	285.3	320.6	303.0	303.0	25.0
15	24	6	74.9	288.6	99.6	130.7	80.5
15	25	29	40.8	358.7	86.3	159.6	113.5
15	26	10	329.8	388.4	373.0	366.0	21.7
15	28	3	122.7	492.3	433.4	349.5	198.6
15	29	1	121.3	121.3	121.3	121.3	N/A
16	22	1	331.2	331.2	331.2	331.2	N/A
16	23	4	343.0	444.0	356.4	374.9	47.5

Table 21. WY15 Depth-to-Water (DTW) Measurements in the Willcox Basin (Continued).

Township	Range	Count	Min DTW [ft]	Max DTW [ft]	Median DTW [ft]	Mean DTW [ft]	SD [ft]
16	24	13	62.0	337.6	175.9	193.1	104.6
16	25	25	52.3	357.6	281.0	239.2	107.4
16	26	43	301.7	427.5	379.2	372.8	30.9
16	27	4	277.8	369.0	247.7	355.6	42.8
16	28	5	218.2	341.3	324.5	306.5	50.5
16	29	14	4.0	205.8	18.0	31.0	50.9
17	24	16	198.3	440.2	321.0	329.4	67.5
17	25	18	111.1	365.1	215.4	241.1	82.7
17	26	35	39.9	306.8	249.0	248.1	47.8
17	27	9	236.6	317.3	293.9	287.3	26.3
17	28	4	17.5	337.1	116.3	146.8	144.9
17	29	4	13.1	33.4	21.5	22.4	8.6
17	30	1	17.8	17.8	17.8	17.8	N/A
18	26	9	220.3	308.1	276.3	274.6	24.8
18	27	17	232.9	305.5	274.9	273.0	19.4
18	28	17	5.3	698.9	360.5	305.1	211.8
18	29	7	4.7	14.2	11.5	9.5	4.1
19	28	5	29.8	454.8	57.2	196.9	212.3
19	29	2	7.3	10.0	8.6	8.6	2.0
20	28	8	5.8	206.1	9.5	36.6	69.0
20	29	1	30.4	30.4	30.4	30.4	N/A
21	28	6	1.5	29.4	14.4	13.7	10.8
BASIN STATISTICS		541	1.5	741.1	262.8	239.3	132.0

WELL DEPTH DATA

Statistics on well depths in the Willcox Basin were compiled from ADWR's GWSI database and are presented in Table 22. The greatest well depth in the Willcox Basin is 3,285 feet and the shallowest well is 6 feet deep. The mean well depth in the Willcox Basin is 465 feet deep. Information shown on Plates 28 and 29 may be useful to well owners in assessing the depth-to-water and typical well depths in the vicinity of their wells.

Table 22. GWSI Well Depth Statistics for the Willcox Basin.

Township	Range	Count	Min Well Depth [ft]	Max Well Depth [ft]	Median Well Depth [ft]	Mean Well Depth [ft]	SD [ft]
9	23	9	94.0	800.0	365.0	343.4	234.3
10	21	16	25.0	1020.0	488.0	444.4	329.3
10	22	13	90.0	675.0	453.0	430.6	159.6
10	23	30	45.0	1020.0	482.5	478.0	229.3
10	24	2	70.0	720.0	395.0	395.0	459.6
11	21	2	70.0	90.0	80.0	80.0	14.1
11	22	5	350.0	1824.0	453.0	815.4	619.0
11	23	66	123.0	1985.0	503.5	591.1	258.2

Table 22. GWSI Well Depth Statistics for the Willcox Basin (Continued).

Township	Range	Count	Min Well Depth [ft]	Max Well Depth [ft]	Median Well Depth [ft]	Mean Well Depth [ft]	SD [ft]
11	24	46	87.0	1300.0	700.0	683.2	256.6
11	25	7	90.0	508.0	300.0	310.4	183.6
12	23	65	118.0	1510.0	603.0	615.9	352.1
12	24	126	65.0	3110.0	320.0	484.0	447.0
12	25	5	84.0	352.0	300.0	250.6	104.9
13	23	3	150.0	700.0	262.0	370.7	290.7
13	24	143	36.0	1400.0	248.0	315.9	272.9
13	25	28	37.5	1990.0	176.0	319.4	392.6
14	22	4	250.0	630.0	440.0	440.0	170.0
14	23	21	50.0	605.0	350.0	354.7	150.9
14	24	28	6.0	714.0	85.0	126.0	138.5
14	25	14	24.0	650.0	264.0	507.4	699.4
14	26	20	160.0	800.0	466.5	442.9	179.4
14	27	11	30.0	330.0	60.0	100.1	98.2
15	22	2	862.0	945.0	903.5	903.5	58.7
15	23	9	155.0	1155.0	350.0	449.2	296.3
15	24	27	50.0	982.0	250.0	325.2	252.2
15	25	68	80.0	1300.0	463.5	447.6	331.4
15	26	74	150.0	3285.0	547.5	603.5	394.7
15	27	6	40.0	642.0	75.0	176.2	233.4
15	28	6	150.0	625.0	335.0	352.5	212.3
15	29	4	30.0	200.0	97.5	106.3	82.2
16	22	3	18.0	745.0	554.0	439.0	376.9
16	23	20	200.0	928.0	505.0	518.6	207.8
16	24	65	73.0	1510.0	500.0	491.3	297.0
16	25	88	19.2	900.0	400.0	379.2	211.5
16	26	138	308.0	1718.0	603.5	654.7	187.2
16	27	14	275.0	880.0	450.0	515.7	222.8
16	28	8	295.0	500.0	368.5	380.8	58.9
16	29	19	20.0	200.0	105.0	109.2	55.4
17	23	6	25.0	229.0	105.0	110.7	73.1
17	24	46	101.0	800.0	502.5	447.6	175.9
17	25	72	47.0	1172.0	450.0	434.5	231.7
17	26	79	85.0	2200.0	503.0	547.5	293.1
17	27	74	125.0	1167.0	637.5	673.2	237.1
17	28	18	91.0	1000.0	625.0	647.6	362.6
17	29	5	60.0	150.0	80.0	92.0	35.6
17	30	1	190.0	190.0	190.0	190.0	N/A
18	24	8	22.0	88.0	39.5	47.0	26.2

Table 22. Table 22. GWSI Well Depth Statistics for the Willcox Basin (Continued).

Township	Range	Count	Min Well Depth [ft]	Max Well Depth [ft]	Median Well Depth [ft]	Mean Well Depth [ft]	SD [ft]
18	25	2	268.0	511.0	389.5	389.5	171.8
18	26	33	80.0	1100.0	404.0	528.4	292.0
18	27	60	20.0	805.0	344.0	356.8	142.1
18	28	35	14.0	900.0	470.0	444.8	256.3
18	29	9	10.0	895.0	32.0	163.8	300.3
19	24	4	34.5	550.0	114.2	203.2	234.6
19	27	2	12.0	306.0	159.0	159.0	207.9
19	28	12	28.0	1100.0	422.5	430.3	334.7
19	29	3	80.0	164.0	110.0	118.0	42.6
19	30	1	153.0	153.0	153.0	153.0	N/A
20	28	16	20.0	1292.0	45.5	287.3	433.1
20	29	3	30.0	170.0	45.0	85.0	73.7
21	28	12	25.0	1000.0	75.0	266.5	312.8
BASIN STATISTICS		1716	6.0	3285.0	457.0	465.0	319.9

DEPTH-TO-BEDROCK

The depth-to-bedrock for the Willcox Basin has been mapped by the Arizona Geological Survey (Gootee, 2012). The depth-to-bedrock varies throughout the basin (Plate 30) from exposed and shallow bedrock near the basin boundary to about 5,700 feet bls near the center of T14S R24E and T12S R23S/R24S. There are two other areas of deep bedrock that are located in the northwest corner of T18S R28E (4,100 feet) and T16S R24E (3,700 feet). Bedrock depths generally become shallower towards the basin margins.

SATURATED THICKNESS

The saturated thickness of basin-fill deposits varies throughout the Willcox Basin (Plate 31). The saturated thickness ranges from zero thickness near exposed and shallow bedrock located close to the basin boundaries, to greater than 5,600 feet near the northeast corner of T14S R24E. Although the saturated thickness of basin-fill deposits may indicate substantial groundwater storage, it is important to note that not all groundwater in storage may be practically recoverable due to hydrogeologic, technical, economic or other reasons.

WATER LEVEL ELEVATIONS

Water level elevations were contoured for the WY06 and WY15 basin sweeps (Plates 32 and 33). ADWR's HMS-25 (Oram, 1993) report provided basic information regarding the hydrogeologic system in the Willcox Basin and was referenced in constructing current water

level elevation contours. In the Willcox Basin groundwater occurs in a regional aquifer system comprised of younger unconsolidated alluvium that consists predominantly of clay and silt with interfingering sand and gravel layers. Older consolidated alluvium underlies the younger alluvium which consists of poorly to moderately cemented silts, sands, and gravels, along with conglomerate, clay, sandstone and mudstone of considerable thickness.

Predevelopment groundwater flow in the Willcox Basin mostly mirrored surface topography and flowed from recharge areas along the outer basin margins to the basin center towards the Willcox Playa. Some groundwater also flowed from divides in the northern and southern portions of the basin into the Aravaipa Creek and Douglas Basin, respectively. However, with the development of agriculture and major groundwater pumping centers, there are several groundwater depressions or cones of depression that have developed that significantly influence direction of groundwater flow within the Willcox Basin. Four cones of depression previously described in ADWR HMS-25 continue to significantly influence the direction of groundwater within the Willcox Basin (Oram, 1993). Plates 32 and 33 show one large cone of depression in the Kansas Settlement area and another north of Willcox in the Fort Grant/Bonita area. Near Pearce, a third smaller cone of depression was observed in both WY 06 and WY15. Another cone was observed north of Sunizona. Shallow groundwater above the regional aquifer is observed near the town of Willcox and around the edges of the Willcox Playa.

WATER LEVEL CHANGE (WY06 – WY15)

Groundwater level change data are provided for each well site in the Willcox Basin that had comparable WY07 and WY15 water level measurements (see Appendix 11). The summary consists of 392 records that include all reduced data and all remarked comparable measurements (see Methods section). For the purposes of the following analysis, a "rise" in water level indicates a decrease in the depth-to-water, while a "decline" in water level indicates an increase in the depth-to-water.

Plate 34 shows water level changes for WY06 and WY15 in the Willcox Basin per well. Rises in groundwater level are shown in blue, declines in red, and no change (less than one foot) are shown in green. The size of the well symbols is proportional to the magnitude of groundwater level changes (Plate 34). Water level measurements with remarks are plotted when either one or both water level measurements had an associated remark such as pumping, cascading, etc. Water level measurements with remarks are indicated with an asterisk posted within the well symbol; specific remarked data can be reviewed in Appendix 11.

Water level measurement data for the Willcox Basin (Appendix 11) were further reduced for statistical analysis by removing anomalous "remarked" measurements (see Methods section). Of the 392 measurement pairs that were used for statistical analysis, 339 wells had declining water levels, 42 wells showed rising water levels and 12 wells showed no change (Table 23). The median water level change was -23.7 feet, while the mean change was -20.5 feet. The standard deviation of water level changes was 21.3 feet. The median rate of change per year was -2.6 feet and the mean rate of change per year was -2.3 feet. Water level changes per township are listed in Table 24 and shown in Plate 35.

Table 23. Water Level Change Summary for the Willcox Basin (WY06 and WY15).

Count	Wells W/ Rising WLS	Wells W/ Declining WLS	Wells W/ No Change in WLS	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD [ft]	Median WL Change Rate [ft/yr]	Mean WL Change Rate [ft/yr]
392	42	339	12	-105.2 to 89.3	-23.7	-20.5	21.3	-2.6	-2.3

Table 24. Water Level Change (Per T & R) in the Willcox Basin (WY06 and WY15).

Township	Range	Count	Wells w/ Rising WLs	Wells w/ Declining WLs	Wells w/ No Change in WLs	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD of WL Change [ft]	Median Rate of WL Change [ft/yr]	Mean Rate of WL Change [ft/yr]
10	21	2	0	2	0	-11.5 to -6.6	-9.1	-9.1	3.5	-1.0	-1.0
10	22	6	0	6	0	-22.4 to -17.3	-21.9	-21.1	1.9	-2.4	-2.3
10	23	10	1	9	0	-26.6 to 6.1	-25.5	-21.6	9.9	-2.8	-2.4
10	24	2	0	2	0	-13.2 to -8.2	-10.7	-10.7	3.5	-1.2	-1.2
11	21	3	1	2	0	-14.7 to 4	-7.3	-6.0	9.4	-0.8	-0.7
11	22	1	1	0	0	15.8 to 15.8	15.8	15.8	N/A	1.8	1.8
11	23	28	1	27	0	-42.9 to 89.3	-25.0	-22.9	22.6	-2.8	-2.6
11	24	12	0	12	0	-37.4 to -26.2	-33.7	-33.1	3.1	-3.7	-3.7
11	25	1	0	1	0	-54.4 to -54.4	-54.4	-54.4	N/A	-6.0	-6.0
12	23	15	0	15	0	-36.5 to -12.6	-25.3	-25.6	6.3	-2.8	-2.9
12	24	23	0	24	0	-44.4 to -3.2	-27.4	-27.1	8.3	-3.0	-3.0
12	25	3	1	0	2	-0.9 to 8.6	-0.3	2.5	5.3	0.0	0.3
13	23	1	0	1	0	-33.5 to -33.5	-33.5	-33.5	N/A	-3.7	-3.7
13	24	18	0	18	0	-31.8 to -5.3	-15.7	-15.6	6.6	-1.7	-1.7
13	25	3	0	3	0	-23.8 to -3.3	-3.5	-10.2	11.8	-0.4	-1.1
14	22	2	1	1	0	-8.7 to 14.4	2.9	2.9	16.3	0.3	0.3
14	23	9	1	8	0	-87.8 to 65	-24.0	-18.9	39.3	-2.7	-2.1
14	24	12	0	12	0	-3.7 to -1.9	-3.1	-3.0	0.5	-0.3	-0.3

Table 24. Water Level Change (Per T & R) in the Willcox Basin (WY06 and WY15) (Continued).

Township	Range	Count	Wells w/ Rising WLs	Wells w/ Declining WLs	Wells w/ No Change in WLs	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD of WL Change [ft]	Median Rate of WL Change [ft/yr]	Mean Rate of WL Change [ft/yr]
14	25	11	0	10	1	-28.8 to 0.6	-2.6	-4.9	7.9	-0.3	-0.6
14	26	2	0	2	0	-41.6 to -8	-24.8	-24.8	23.8	-2.8	-2.8
15	23	2	0	2	0	-14.9 to -13.5	-14.2	-14.2	1.0	-1.6	-1.6
15	24	5	0	5	0	-22.6 to -5.8	-8.0	-10.6	7.0	-0.9	-1.2
15	25	23	2	21	0	-105.2 to 81.9	-12.6	-19.2	33.4	-1.4	-2.1
15	26	10	0	10	0	-77.6 to -19.5	-52.7	-51.1	16.4	-5.9	-5.7
15	28	2	0	1	1	-1.8 to -0.14	-1.0	-1.0	1.2	-0.1	-0.1
16	22	1	0	1	0	-32.4 to -32.4	-32.4	-32.4	N/A	-3.6	-3.6
16	23	4	0	4	0	-38.2 to -28.7	-31.8	-32.5	-28.7	-3.5	-3.6
16	24	10	3	7	0	-44 to 22.67	-11.8	-13.1	19.8	-1.3	-1.5
16	25	20	2	16	2	-59.7 to 14.1	-25.1	-27.0	24.5	-2.8	-3.0
16	26	29	0	28	1	-61.9 to 0.9	-30.1	-32.4	13.2	-3.3	-3.6
16	27	1	0	1	0	-11.9 to -11.9	-11.9	-11.9	N/A	-1.3	-1.3
16	28	2	0	2	0	-11.3 to -3	-7.2	-7.2	5.9	-0.8	-0.8
16	29	13	12	1	0	-15.2 to 29.1	7.0	8.4	10.9	0.8	0.9
17	24	12	0	12	0	-65 to -16.7	-39.1	-38.1	11.6	-4.3	-4.2
17	25	10	1	9	0	-37.7 to 14.3	-30.6	-22.4	17.7	-3.4	-2.5
17	26	31	1	30	0	-53 to 6.6	-24.0	-27.1	12.7	-2.7	-3.0
17	27	7	0	7	0	-62.8 to -6.9	-50.1	-39.3	22.3	-5.6	-4.4
17	28	4	1	3	0	-20.06 to 30.39	-1.1	2.0	20.9	-0.1	0.2
17	29	3	2	0	1	-0.41 to 9	7.4	5.3	5.0	0.8	0.6
17	30	1	1	0	0	4.03 to 4.03	4.0	4.0	N/A	0.4	0.4
18	26	5	0	5	0	-77.8 to -26.8	-39.3	-50.1	22.2	-4.4	-5.6
18	27	8	0	8	0	-38.5 to -10.4	-35.5	-31.2	9.5	-3.9	-3.5
18	28	11	2	7	2	-6.39 to 44.78	-3.9	1.8	14.7	-0.4	0.2
18	29	4	3	1	0	-1.8 to 20.8	11.9	10.7	10.3	1.3	1.2
19	28	1	1	0	0	4 to 4	4.0	4.0	N/A	0.4	0.4

Table 24. Water Level Change (Per T & R) in the Willcox Basin (WY06 and WY15) (Continued).

Township	Range	Count	Wells w/ Rising WLs	Wells w/ Declining WLs	Wells w/ No Change in WLs	Range of WL Change [ft]	Median WL Change [ft]	Mean WL Change [ft]	SD of WL Change [ft]	Median Rate of WL Change [ft/yr]	Mean Rate of WL Change [ft/yr]
19	29	1	0	0	1	.95 to .95	1.0	1.0	N/A	0.1	0.1
20	28	4	1	2	1	-11.88 to 8.44	-0.3	-1.0	8.4	0.0	-0.1
20	29	1	0	1	0	-5.36 to -5.36	-5.4	-5.4	N/A	-0.6	-0.6
21	28	3	3	0	0	6.3 to 12.8	10.5	9.9	3.3	1.2	1.1
BASIN STATISTICS		392	42	339	12	-105.2 to 89.3	-23.7	-20.5	21.3	-2.6	-2.3

The greatest declines in water level in the Willcox Basin were measured in the Kansas Settlement area in a smaller area north of Sunizona. Water level declines ranging from -50 feet to -105 feet were observed in the Kansas Settlement area (Plate 34). Additional large declines ranging from -50 to -78 feet were observed in an area north of Sunizona.

Moderate to large water level declines ranging from -20 to -45 feet were observed in the Pearce and Sunsites area, and in a cluster of wells located in T14S R26E, northeast of the Willcox Playa. Water level declines ranging from -20 to -80 feet were also measured in wells located south of the Winchester Mountains and west of the town of Willcox in T14S R23E.

Wells showing water level declines ranging from about -10 to -40 feet were interspersed with wells showing large declines in much of the Kansas Settlement area and north of Sunizona. Moderate water level declines were also measured in several wells in the Ft. Grant/ Bonita area and north of Willcox.

Water level rises were observed in a few shallow wells located near the mountain fronts and within the mountains, and in a few wells located near major drainages or near the Willcox Playa. Water level rises were also observed in some wells located in the Town of Willcox. The majority of water level rises ranging from +10 to +30 feet were measured in wells located on the west side of the Chiricahuas, mostly along Pinery Creek, Turkey Creek, and Leslie Canyon. Small water level rises of less than 10 feet were observed in a cluster of wells located near Willcox in T13S R24E, T13S R25E, T14S R24E, and T14S R25E.

Wells showing no water level change were dispersed throughout the basin but were generally located closer to the basin margins or near major drainages.

Selected Hydrographs

Selected hydrographs for the Willcox Basin are compiled in Appendix 12. Hydrographs show the history of water level measurements for each well and indicate groundwater level trends that often reflect the impacts of historic pumpage and recharge in the basin. Hydrographs provide valuable insight into past groundwater conditions and can be useful in estimating future hydrologic conditions.

GROUNDWATER USE, CROP SURVEYS AND AGRICULTURE ACREAGE

Water use data for the Willcox Basin have been compiled by the United States Geological Survey (USGS). Although there are several streams in the basin area, there is relatively minimal use of surface water (except for some stock and domestic uses).

Prior to 1990, annual groundwater consumption estimates for Arizona's groundwater basins and sub-basins were provided as annual totals in USGS annual groundwater summaries (USGS, 1994). Annual groundwater consumption data for the period from 1915 to 1990 are listed in Appendix 13. Since 1990, the USGS in cooperation with ADWR has compiled annual groundwater and surface water withdrawal data for areas outside Active Management Areas (AMAs) for irrigation, municipal, mining, thermoelectric-power and drainage uses (USGS, 2004).

Estimated groundwater consumption in the Willcox Basin from 1990 to 2014 is summarized in Appendix 14. Estimated ground water consumption in the Willcox Basin in 1991 was 133,400 AF, with 124,000 AF for agricultural use, 6,600 AF for electrical power, 300 AF for mining, and 2,500 AF for municipal use, respectively. In 2014 the estimated agricultural groundwater use was 172,000 AF, electrical power use was 5,300 AF, mining use was 0 AF and municipal groundwater use was 2,500 AF.

Estimated agricultural acreage for the Willcox Basin from 1990 to 2014 is listed in Appendix15. The estimated agricultural acreage for the Willcox Basin in 2014 was 77,100 acres compared to 35,500 acres in 1991. Since 2006, cropped acreage, crop types, irrigation methods and agricultural water use has been estimated by the USGS using field crop surveys, and other data. Cropped acreage estimates for 2014 were field verified by the USGS. The results of those surveys are shown in Figure 14.

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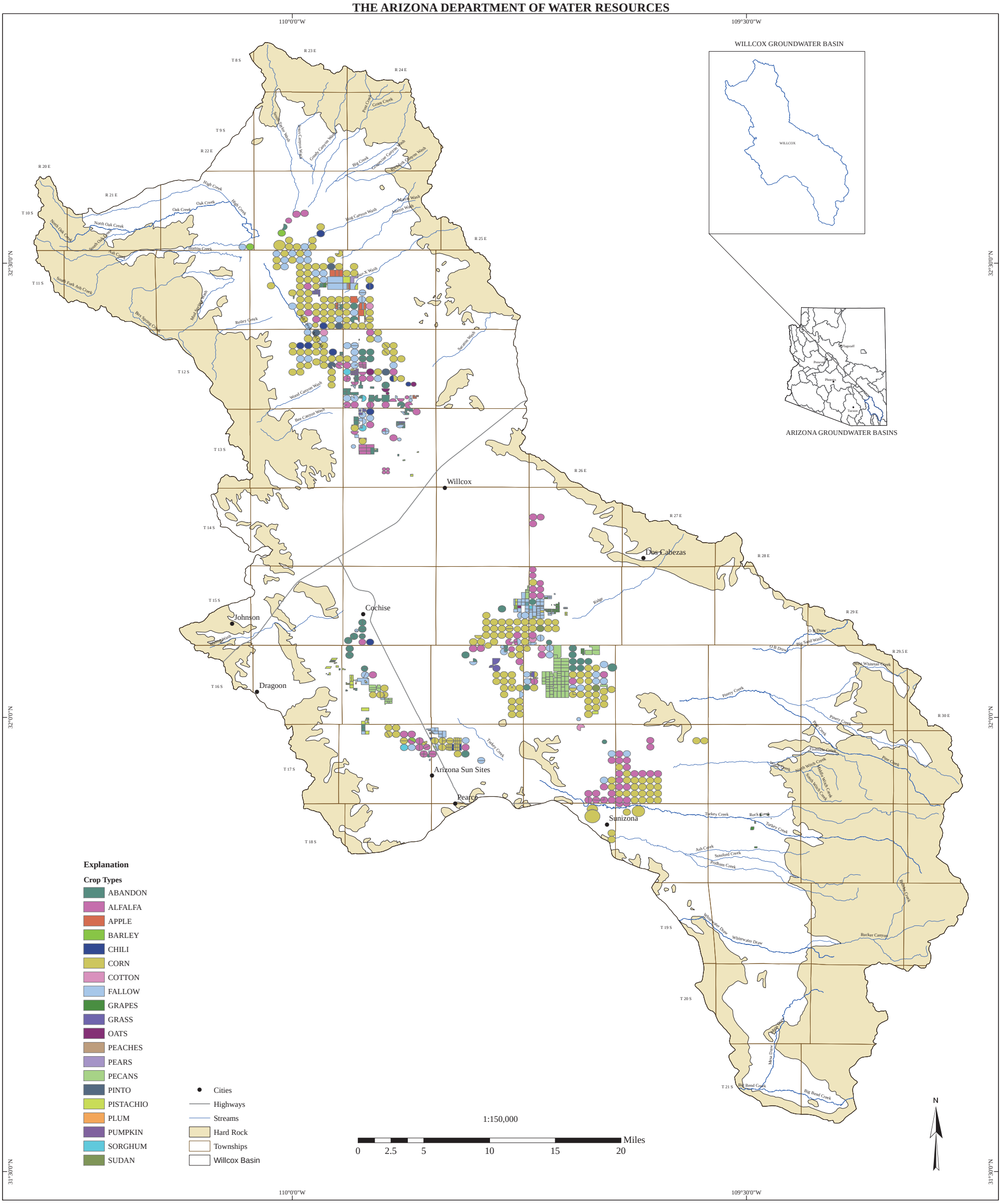

Hydrology Division

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Created By: Frank Corkhill, Scott Stuk, and James Dieckhoff
North American Datum 1983
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Figure 14 - USGS Cropped Acreage in the Willcox Basin 2014

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
ADWR Information Services
3550 North Central Avenue
Phoenix, AZ 85012
(602) 771-8627
www.azwater.gov

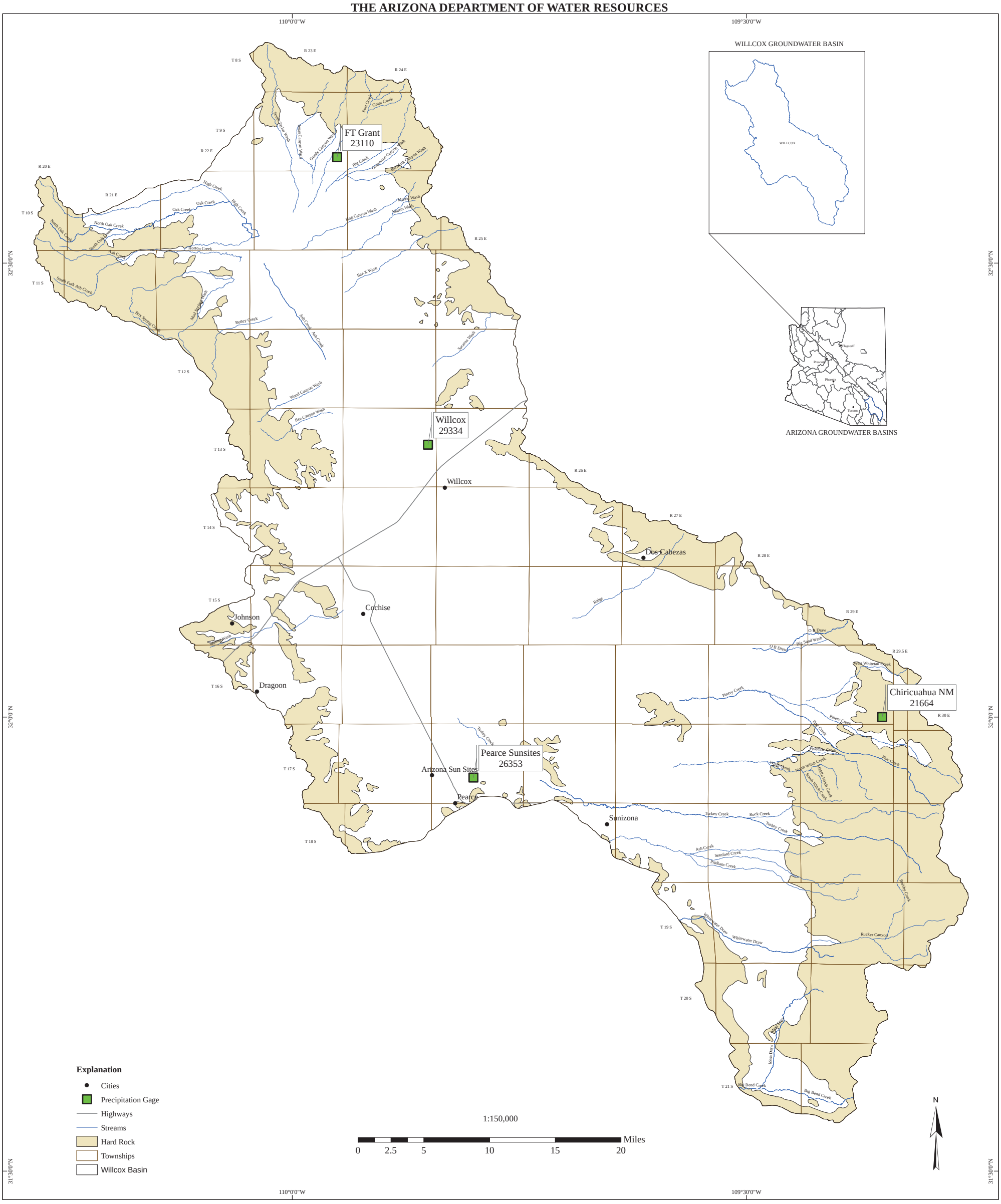
PRECIPITATION

Monthly total precipitation for WY15 and long term precipitation averages were compiled for four sites in the Willcox Basin. Precipitation data were downloaded from the Western Regional Climate Center on 10/01/2015. Data stations include: Willcox, Arizona (029334), Fort Grant, Arizona (023110), Pearce Sunsites, Arizona (026353), and Chiricahua NM, Arizona (021664). The data are summarized in Table 25 and the locations of the precipitation stations are shown in Figure 15.

Table 25. Precipitation Data for Selected Weather Stations in the Willcox Basin Data downloaded October 01, 2015.

Willcox, Arizona (029334) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az9334													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	1.30	0.11	1.50	2.29	0.40	0.93	0.46	0.12	0.44	1.70 c	1.59	1.36	12.20
Long-Term Average 1898-2015	0.82	0.69	1.08	0.93	0.86	0.65	0.26	0.26	0.39	2.52	2.60	1.15	12.18
FT Grant, Arizona (023110) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az3110													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	---	---	---	---	---	---	---	---	---	---	---	---	---
Long-Term Average 1900-2014	0.76	0.80	1.10	0.90	0.88	0.88	0.36	0.23	0.40	2.46	2.50	1.52	12.80
Pearce Sunsites, Arizona (026353) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az6353													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	1.13	0.34	0.89 a	1.74	0.22	1.50	0.28	0.07 a	0.13	4.57	2.27	1.15 b	14.30
Long-Term Average 1913-2015	0.80	0.52	0.84	0.85	0.69	0.49	0.21	0.22	0.47	2.93	3.01	1.25	12.28
Chiricahua NM, Arizona (021664) - http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?az1664													
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
WY 2015	1.97	0.51	1.62	1.81	0.49	1.90	0.31	0.31	0.94	6.04	5.08	2.12	23.10
Long-Term Average 1909-2015	1.17	1.03	1.61	1.45	1.20	1.17	0.47	0.34	0.84	4.00	4.05	1.70	19.02

Explanation: a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..; z = 26 or more days missing, A = Accumulations present; Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value. maximum allowable number of missing days : 5; Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.



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North American Datum 1983
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Figure 15 - Selected Weather Stations in the Willcox Basin

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
ADWR Information Services
3550 North Central Avenue
Phoenix, AZ 85012
(602) 771-8627
www.azwater.gov

SURFACE WATER

There are currently no stream gages in the Willcox Basin.

LAND SUBSIDENCE

Land subsidence in the Willcox Basin was first documented in the 1950s. Land subsidence of 5.3 feet was measured 8 miles northwest of the Town of Willcox between 1937 and 1974 (Holzer, 1980). InSAR data has identified two land subsidence features in the Willcox Basin: the Fort Grant Rd land subsidence feature and the Kansas Settlement land subsidence feature (Figure 16). The Fort Grant Rd land subsidence feature is approximately 109 mi^2 and is centered along Fort Grant Rd from the Town of Willcox north into Graham County. The Kansas Settlement land subsidence feature is approximately 156 mi^2 and is located between the Town of Willcox and the Sulphur Hills throughout the Kansas Settlement area. InSAR data from the European Space Agency's ERS-1, ERS-2, and Envisat satellites, Japanese Aerospace Exploration Agency's ALOS-1 satellite, and MacDonald, Dettwiler and Associates' Radarsat-2 satellite show that land subsidence rates have almost tripled from 1996 (Plate 36) to 2015 (Plate 37). InSAR data from 1996 (ERS-1 and ERS-2) measure land subsidence rates as high as 4 cm/year (1.6 in/year) and InSAR data from 2014 to 2015 (Radarsat-2) measure land subsidence rates as high as 11 cm/year (4.3 in/year). Combining InSAR data from 2006 to 2011 and 2011to 2015 (Plate 38), total land subsidence is measured as high as 83 centimeters (32.7 inches).

The land subsidence has resulted in a large number of earth fissures in the Willcox Basin. The first earth fissures were observed using aerial photography from 1978 and confirmed with subsequent field checks (Holzer, 1980). The Arizona Geological Survey (AZGS) began mapping earth fissures in the Willcox Basin in 2009 and has since mapped 38.2 miles of earth fissures (Figure 16). Earth fissure activity is on-going in the Willcox Basin due to large land subsidence rates of more than 10 cm/year (3.9 in/year). Several earth fissures have impacted roads (Figure 17), a power generating facility, and a gas pipeline.

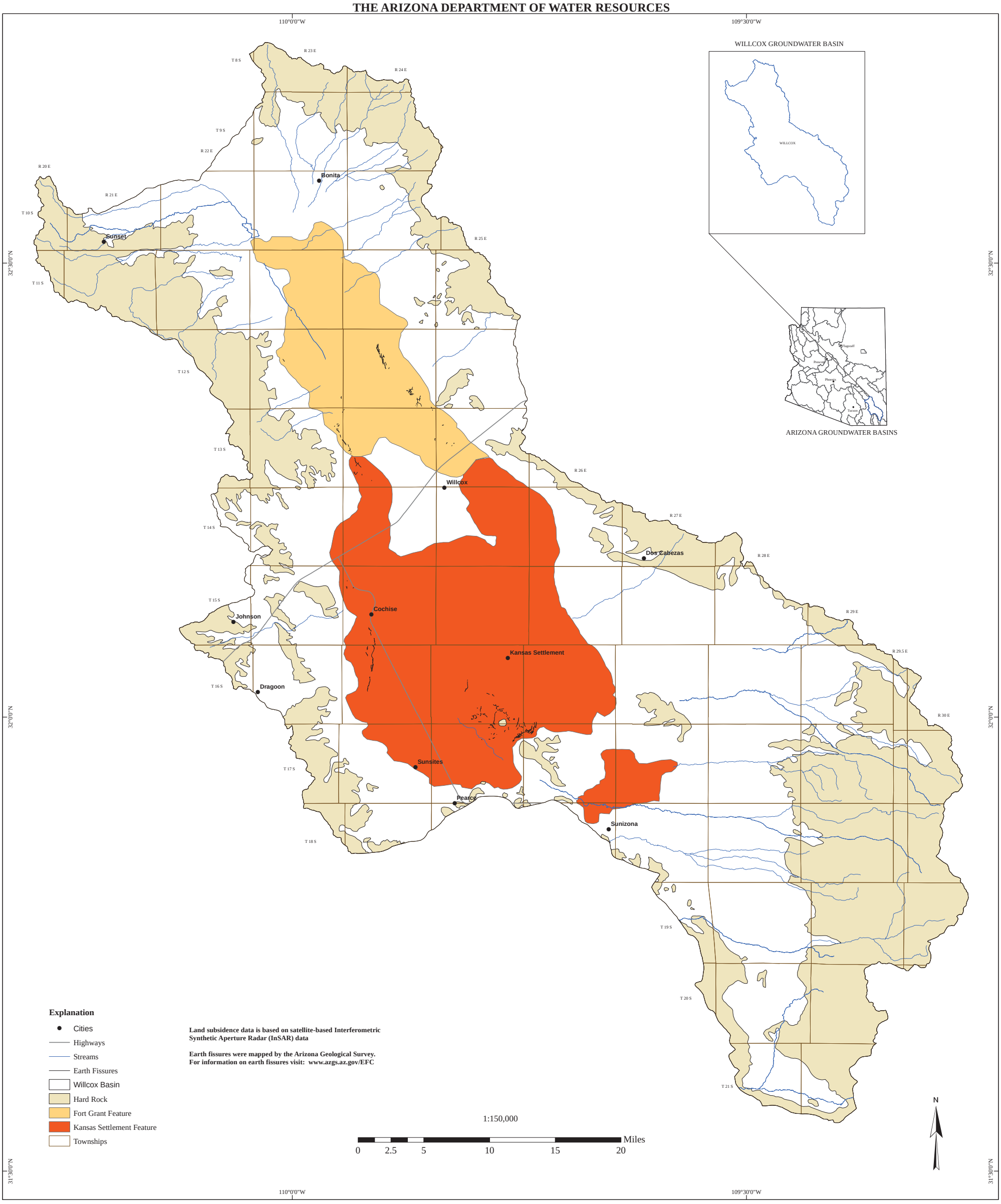

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Figure16 - Land Subsidence and Earth Fissure Areas in the Willcox Basin

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Earth fissure in the Willcox Basin that opened after a large rain event in July 2011 and a Cochise County earth fissure warning sign posted along the road where the earth fissure crosses and damaged the road (ADWR, 2011).

Figure 17. Earth Fissure Warning Sign in the Willcox Basin.

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PLATE FIGURES

The plates are visible within this report on 8.5 X 11 sheets however; for optimal viewing it is recommended the plates be printed on 11 x 17 sheets.

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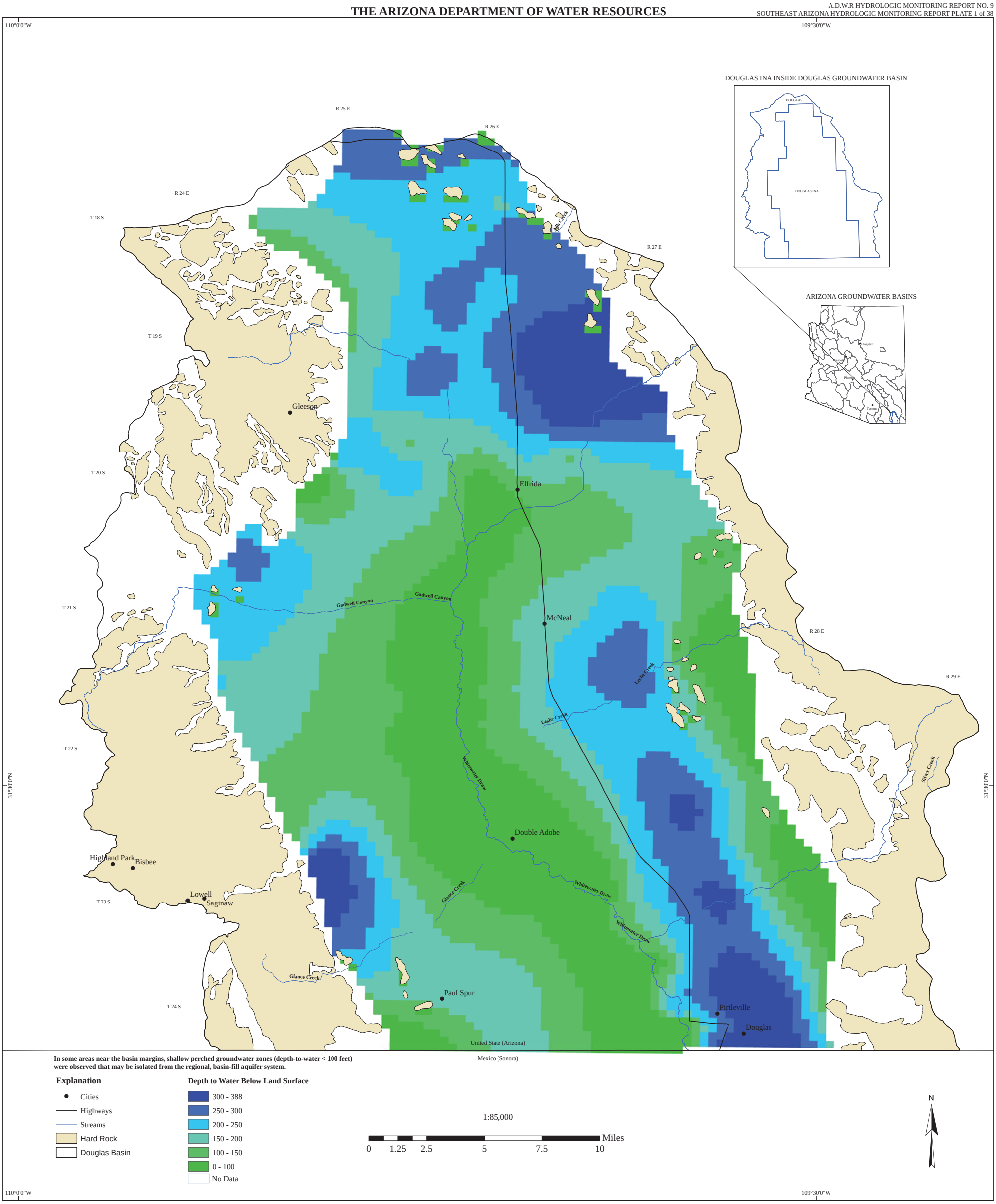

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DEPTH TO WATER IN DOUGLAS BASIN
WATER YEAR 2015

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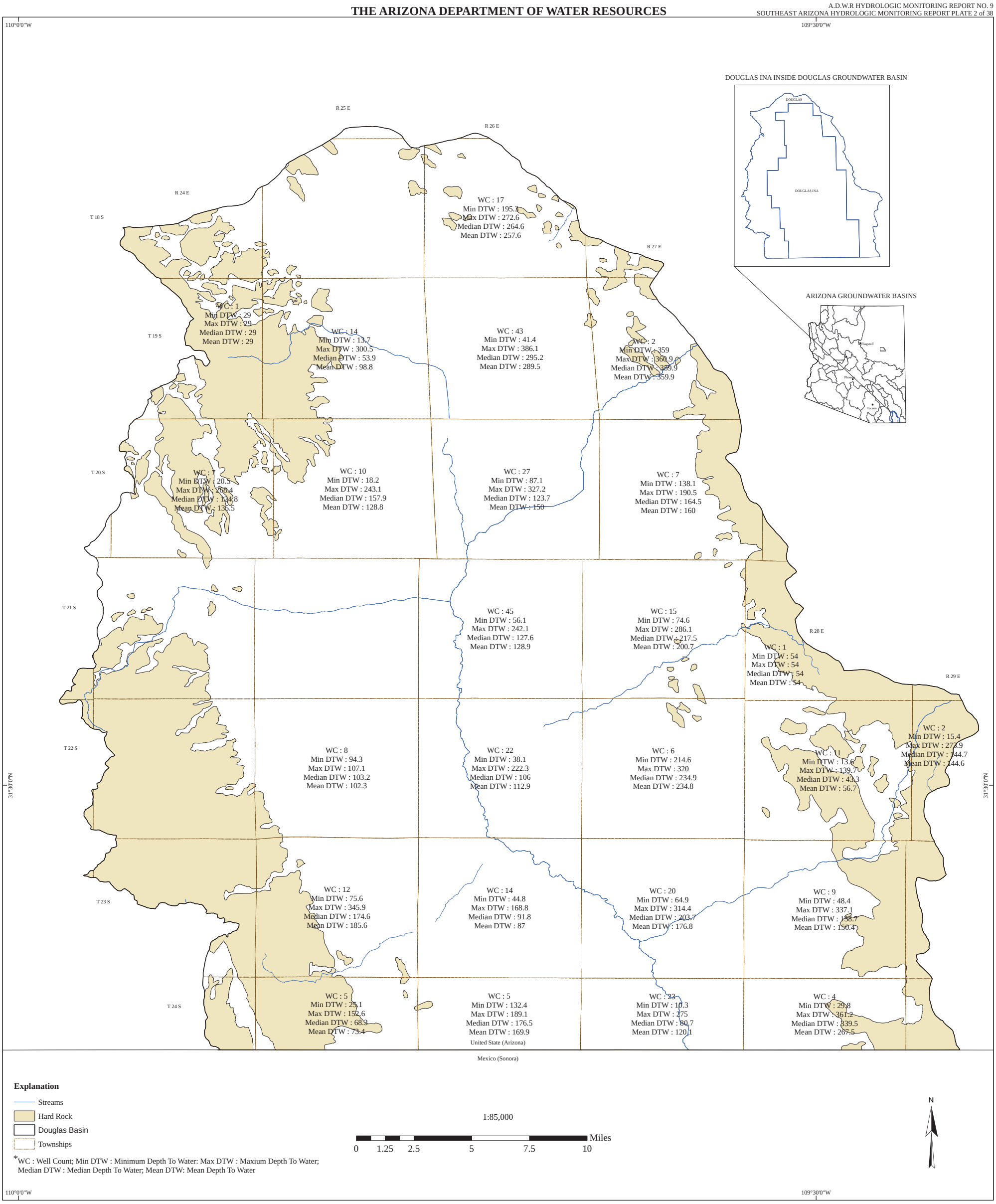

Explanation

- Streams
- Hard Rock
- Douglas Basin
- Townships

*WC : Well Count; Min DTW : Minimum Depth To Water: Max DTW : Maxium Depth To Water; Median DTW : Median Depth To Water; Mean DTW: Mean Depth To Water

1:85,000

0 1.25 2.5 5 7.5 10 Miles

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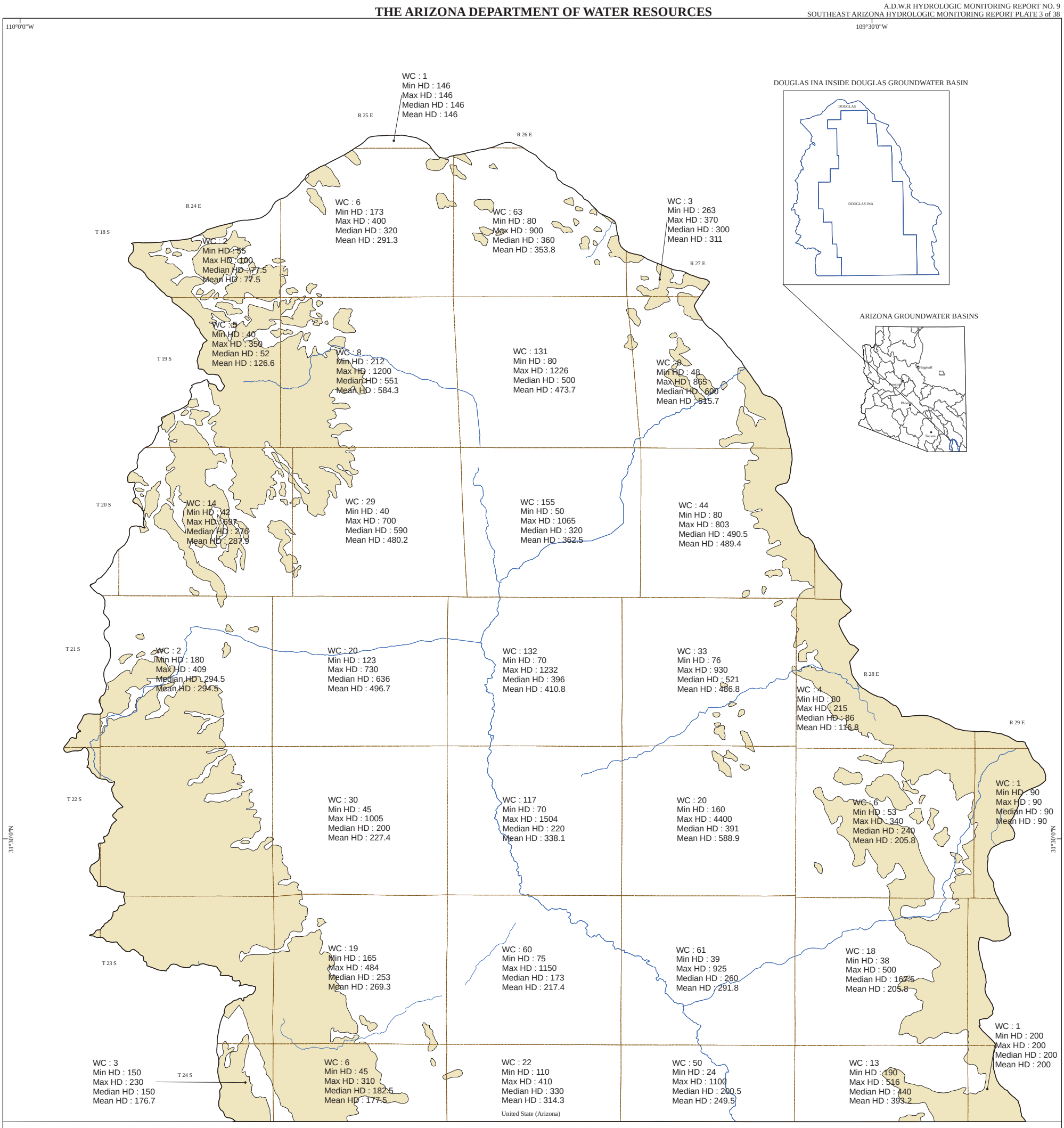

Explanation

- Streams
- Hard Rock
- Douglas Basin
- Townships

* WC : Well Count; Min HD : Minimum Hole Depth: Max HD : Maxium Hole Depth; Median HD : Median Hole Depth; Mean HD: Mean Hole Depth

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0 1.25 2.5 5 7.5 10 Miles

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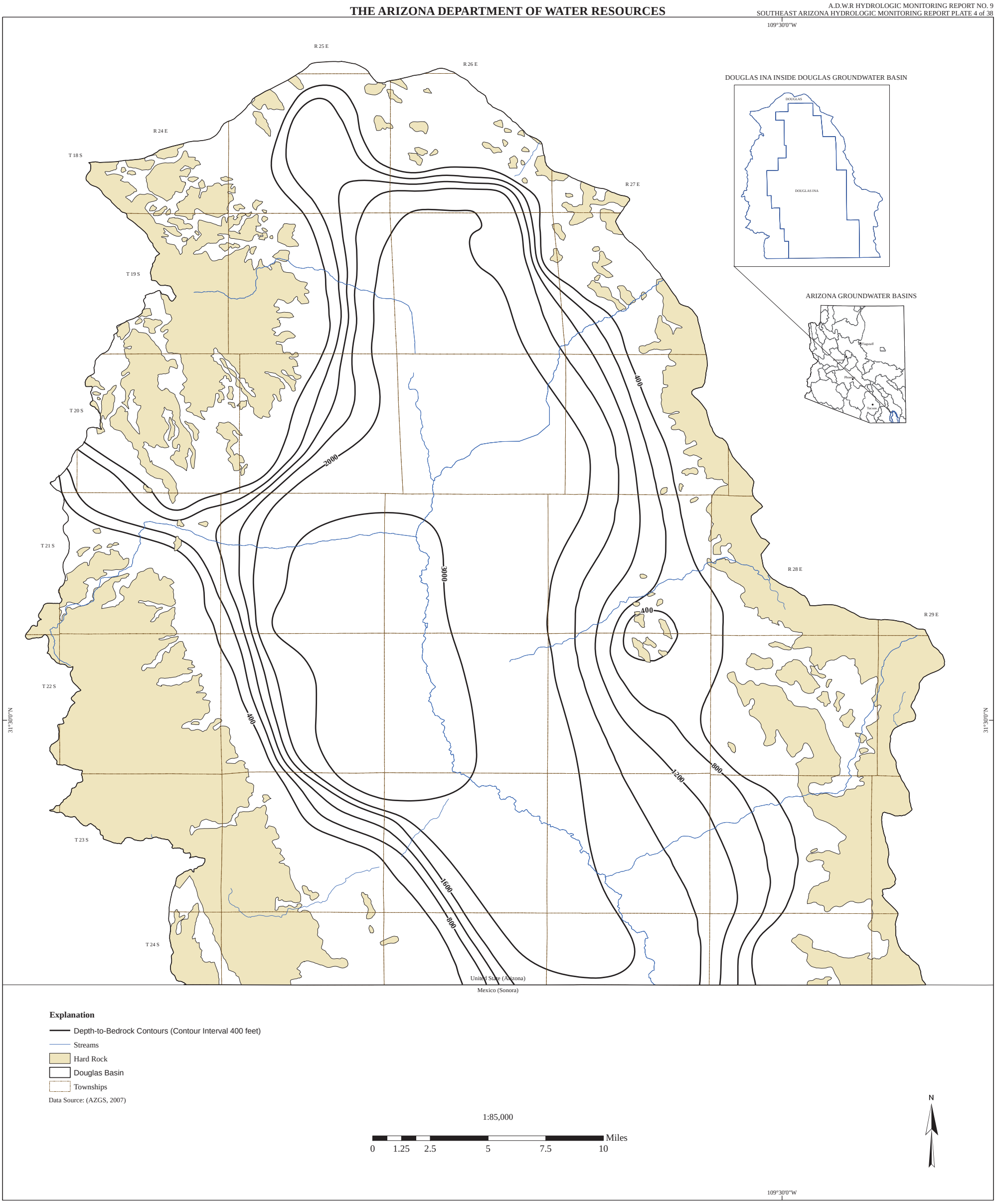

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DEPTH-TO-BEDROCK IN DOUGLAS BASIN

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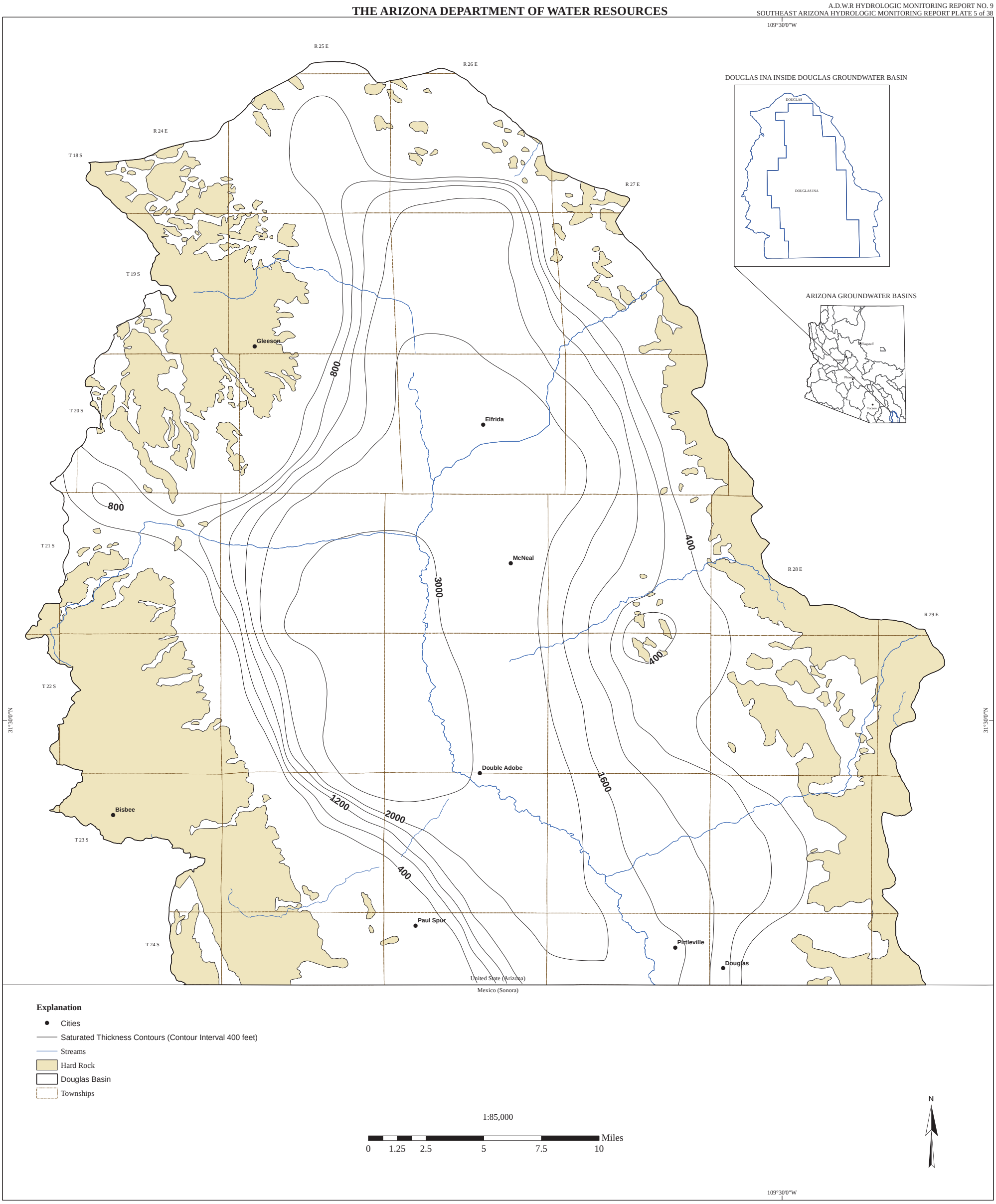

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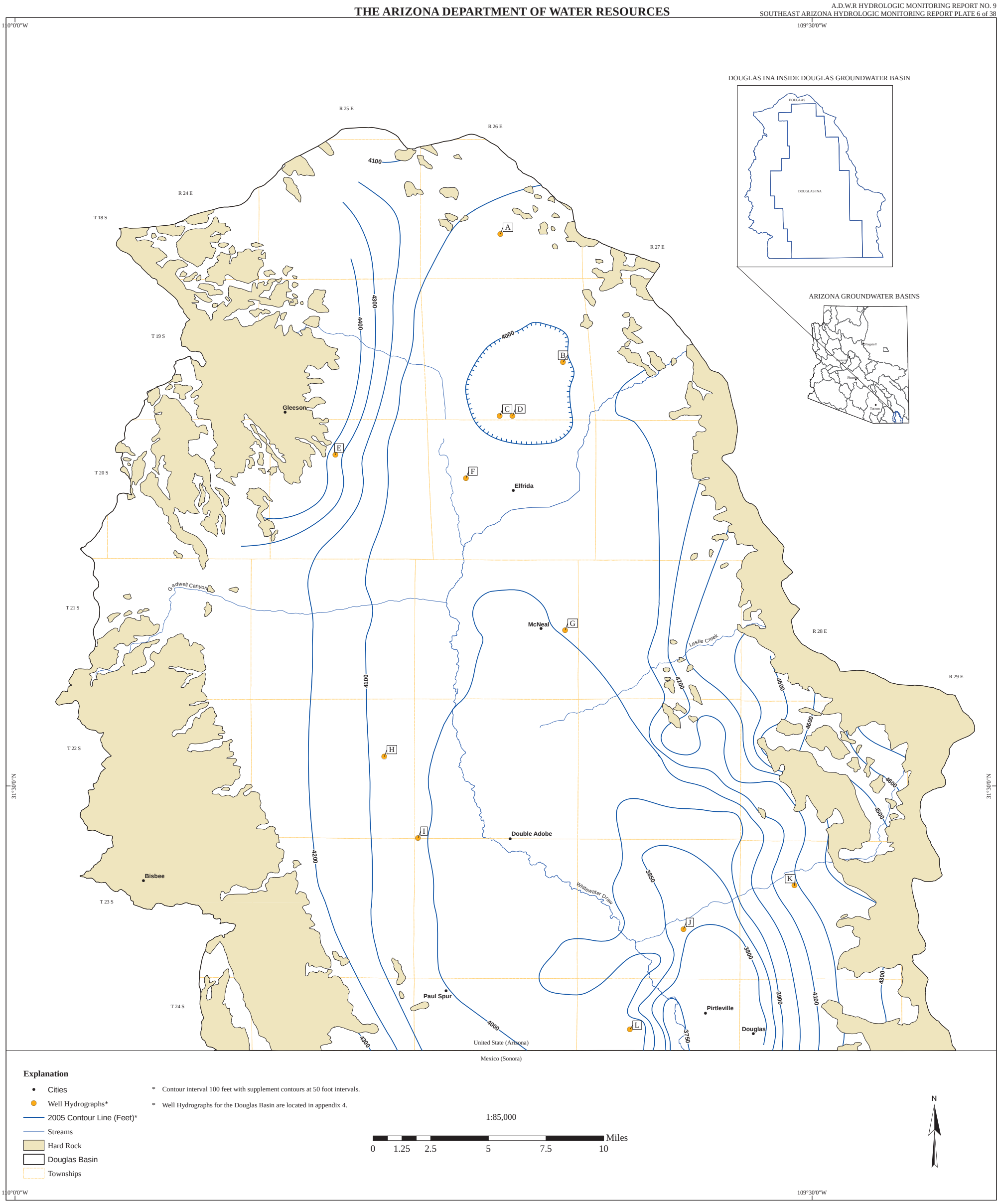

Explanation

- Cities
- Well Hydrographs*
- 2005 Contour Line (Feet)*
- Streams
- Hard Rock
- Douglas Basin
- Townships

* Contour interval 100 feet with supplement contours at 50 foot intervals.

* Well Hydrographs for the Douglas Basin are located in appendix 4.

1:85,000

0 1.25 2.5 5 7.5 10 Miles

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GROUNDWATER ELEVATION CONTOURS IN DOUGLAS BASIN - WATER YEAR 2005

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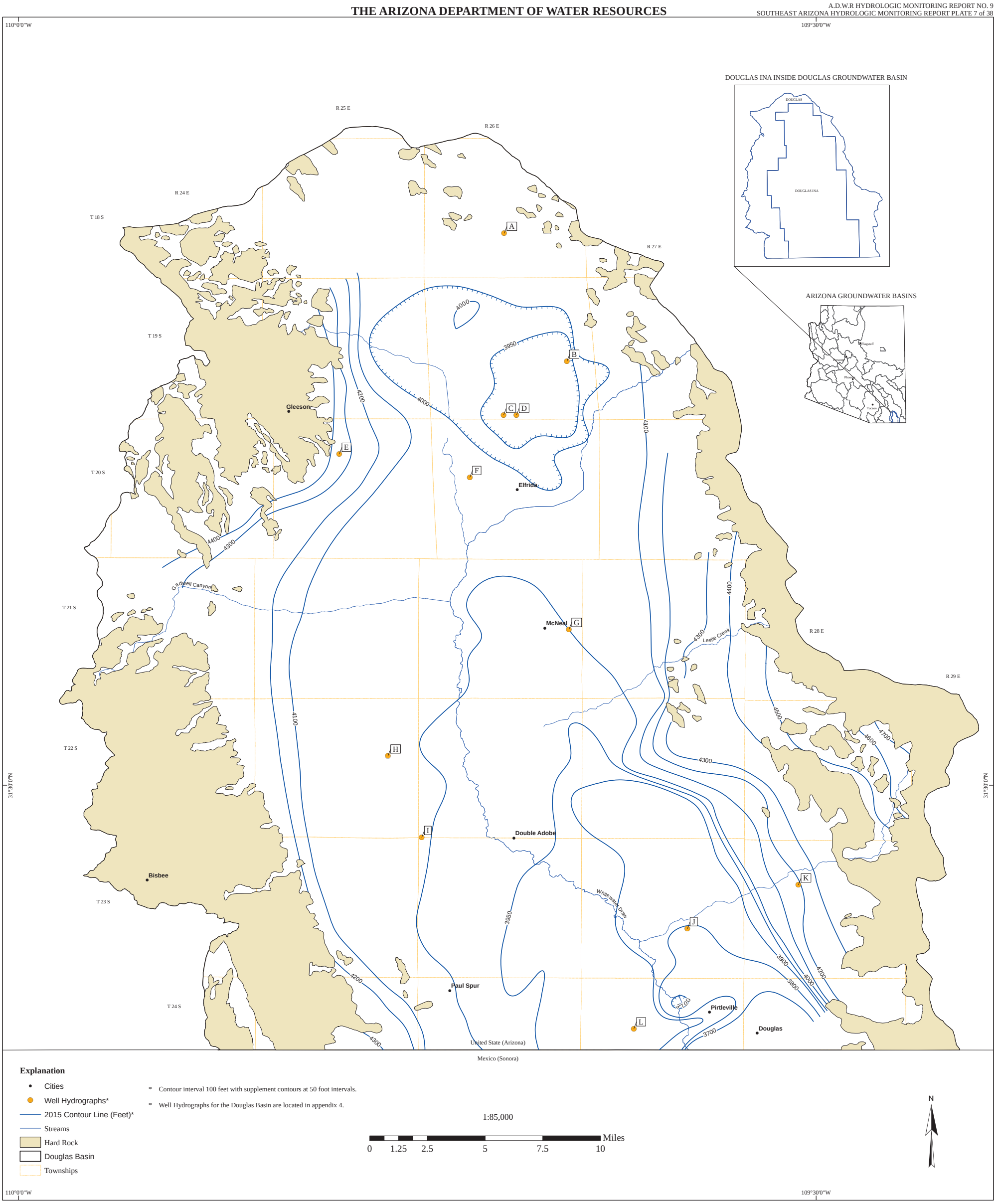

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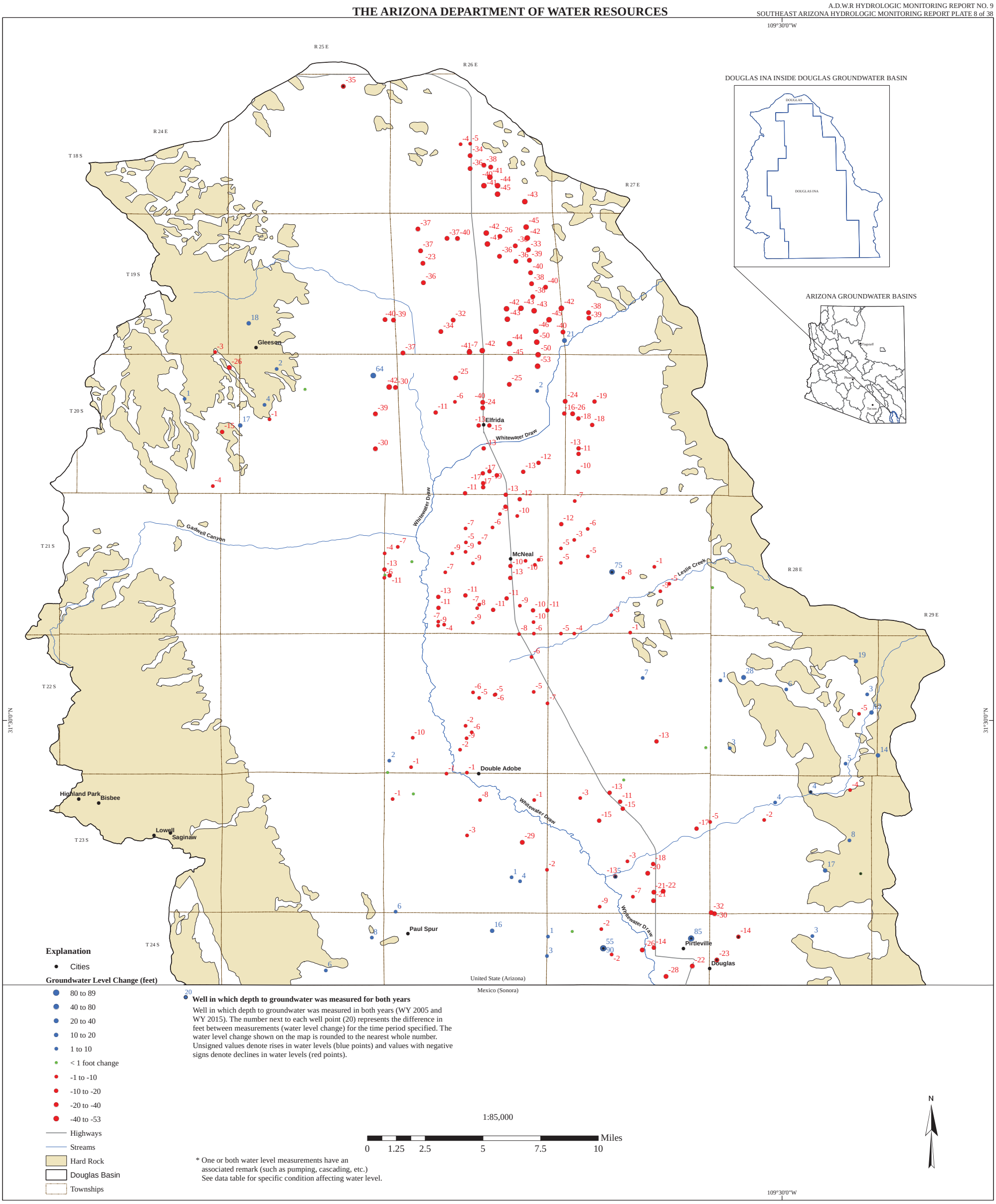

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WATER YEARS 2005 - 2015

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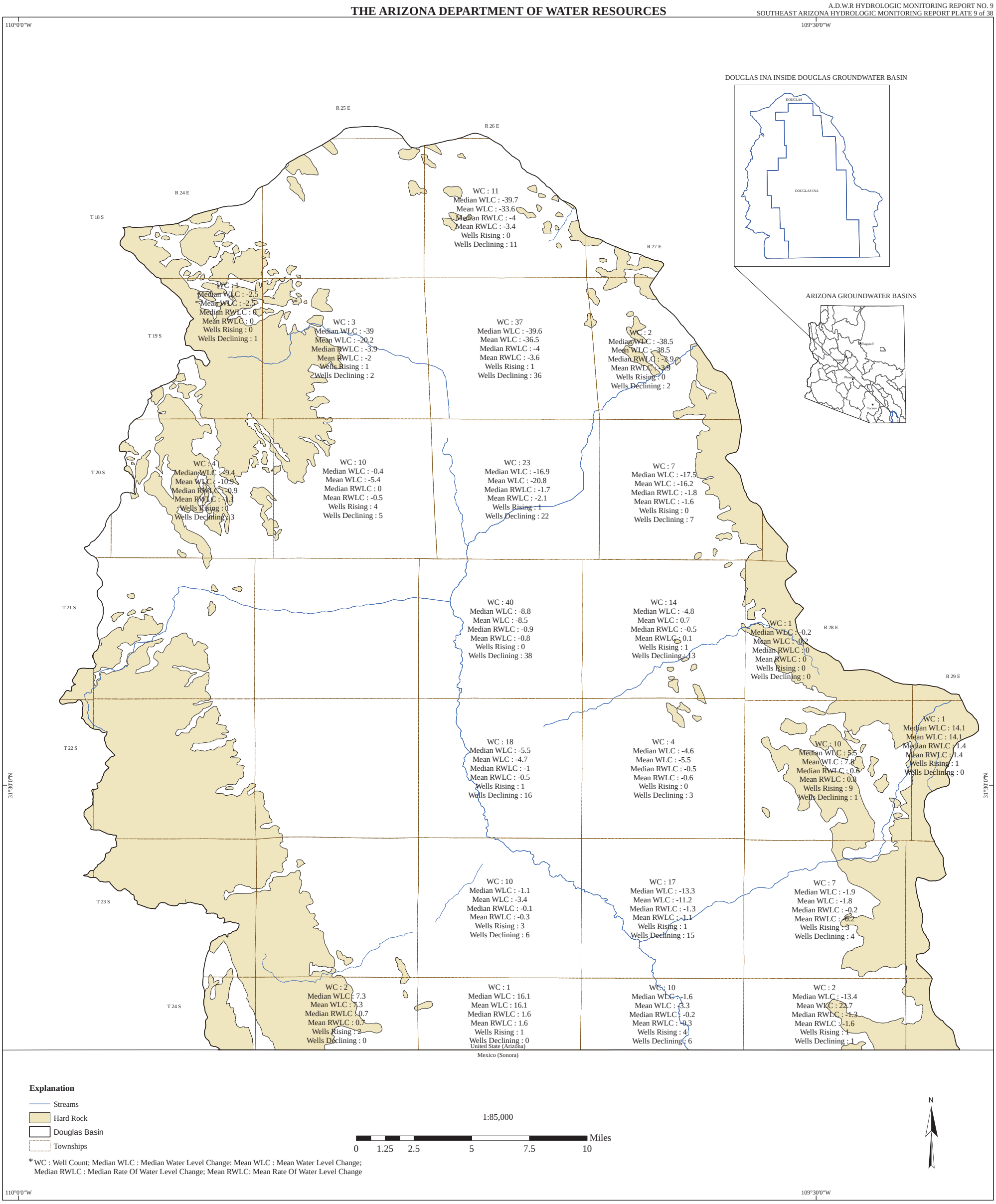

*WC : Well Count; Median WLC : Median Water Level Change: Mean WLC : Mean Water Level Change; Median RWLC : Median Rate Of Water Level Change; Mean RWLC: Mean Rate Of Water Level Change

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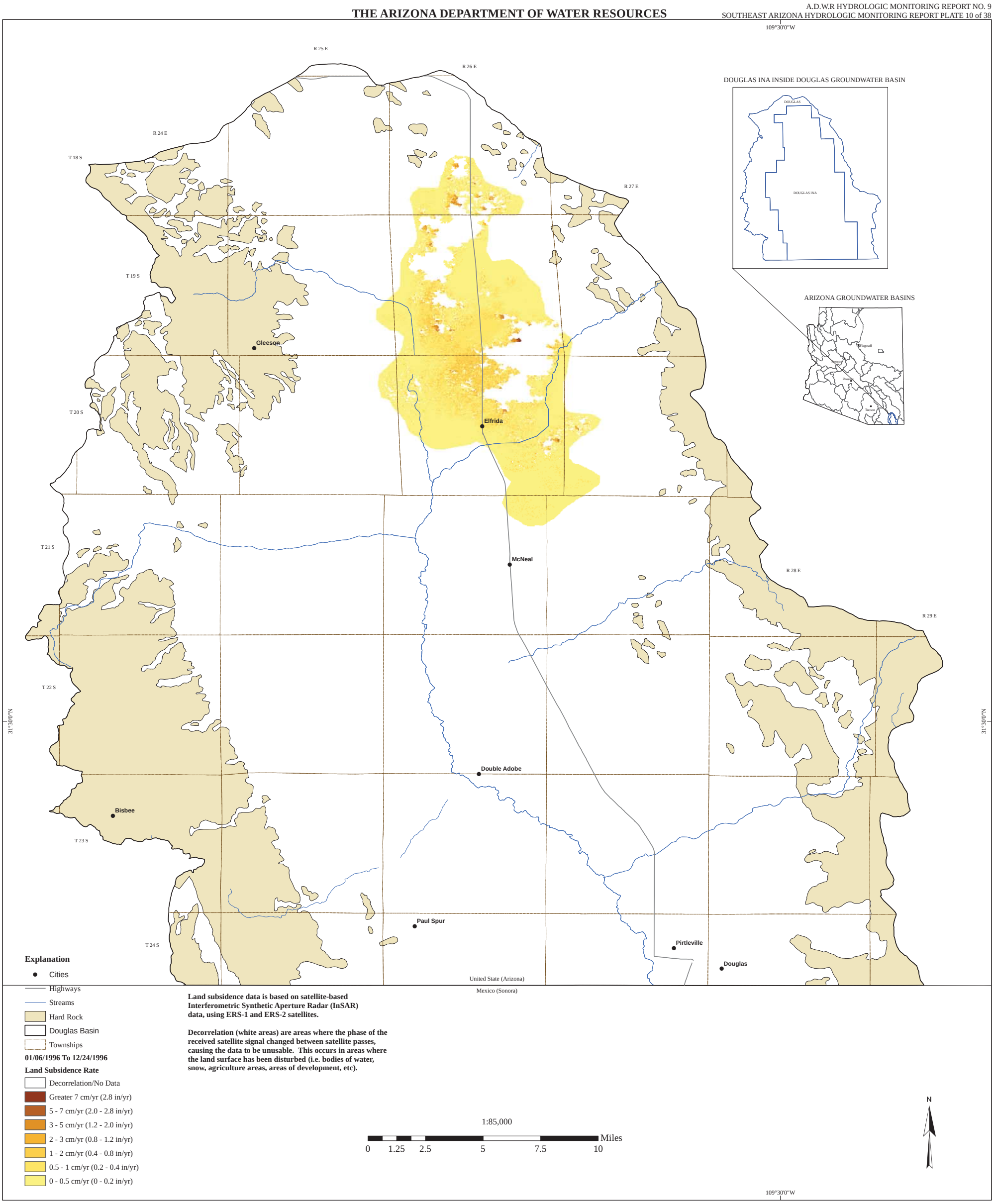

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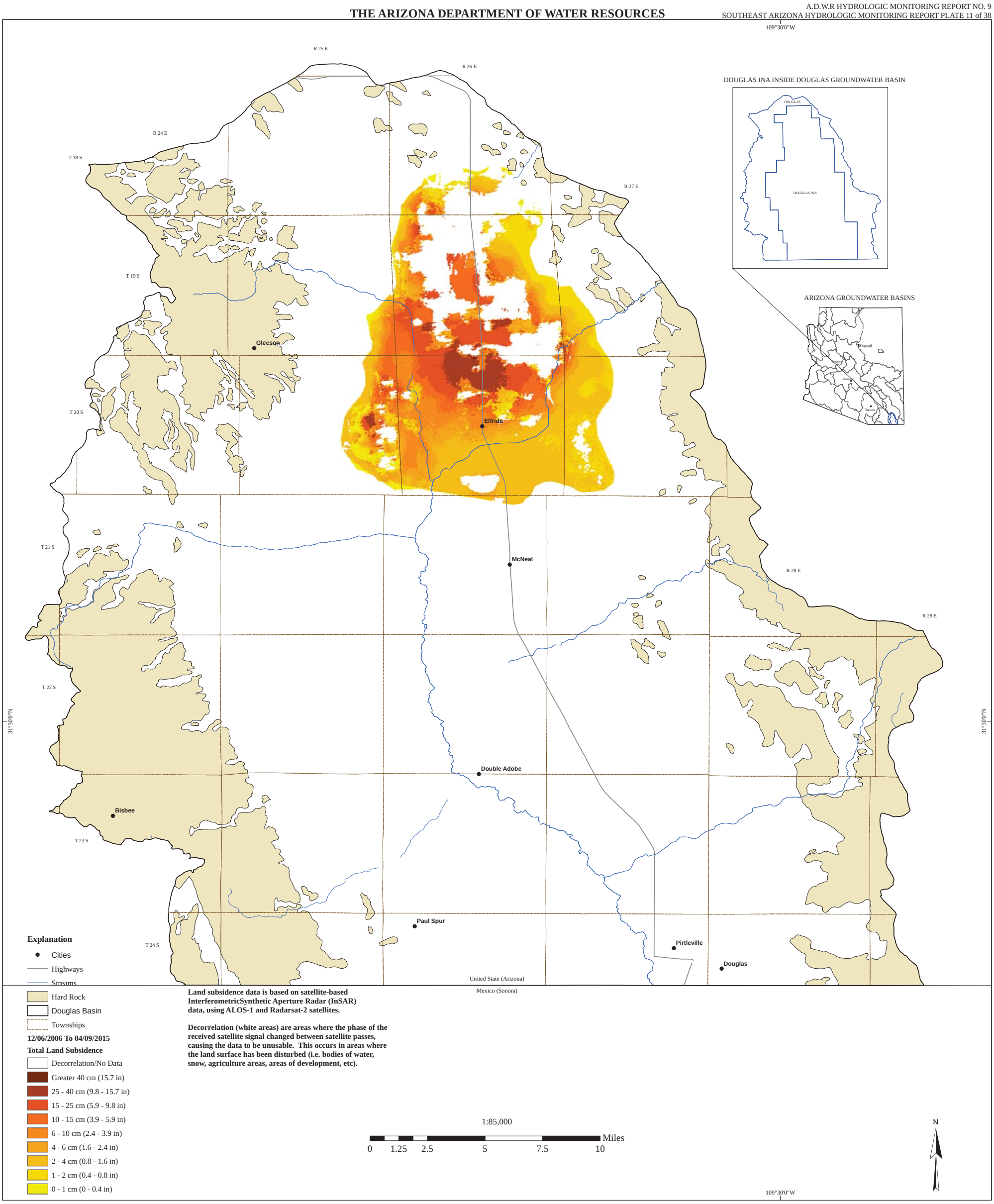

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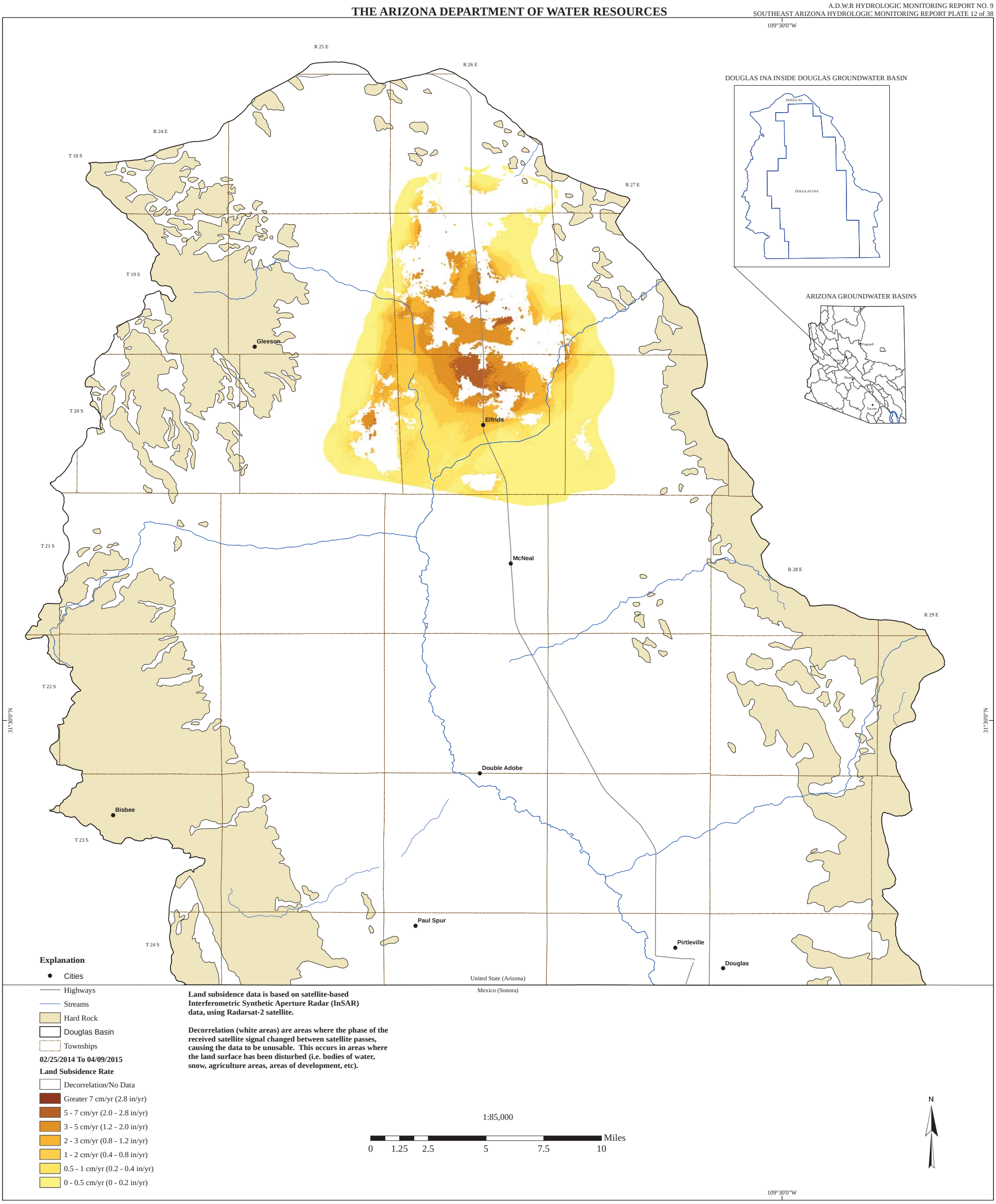

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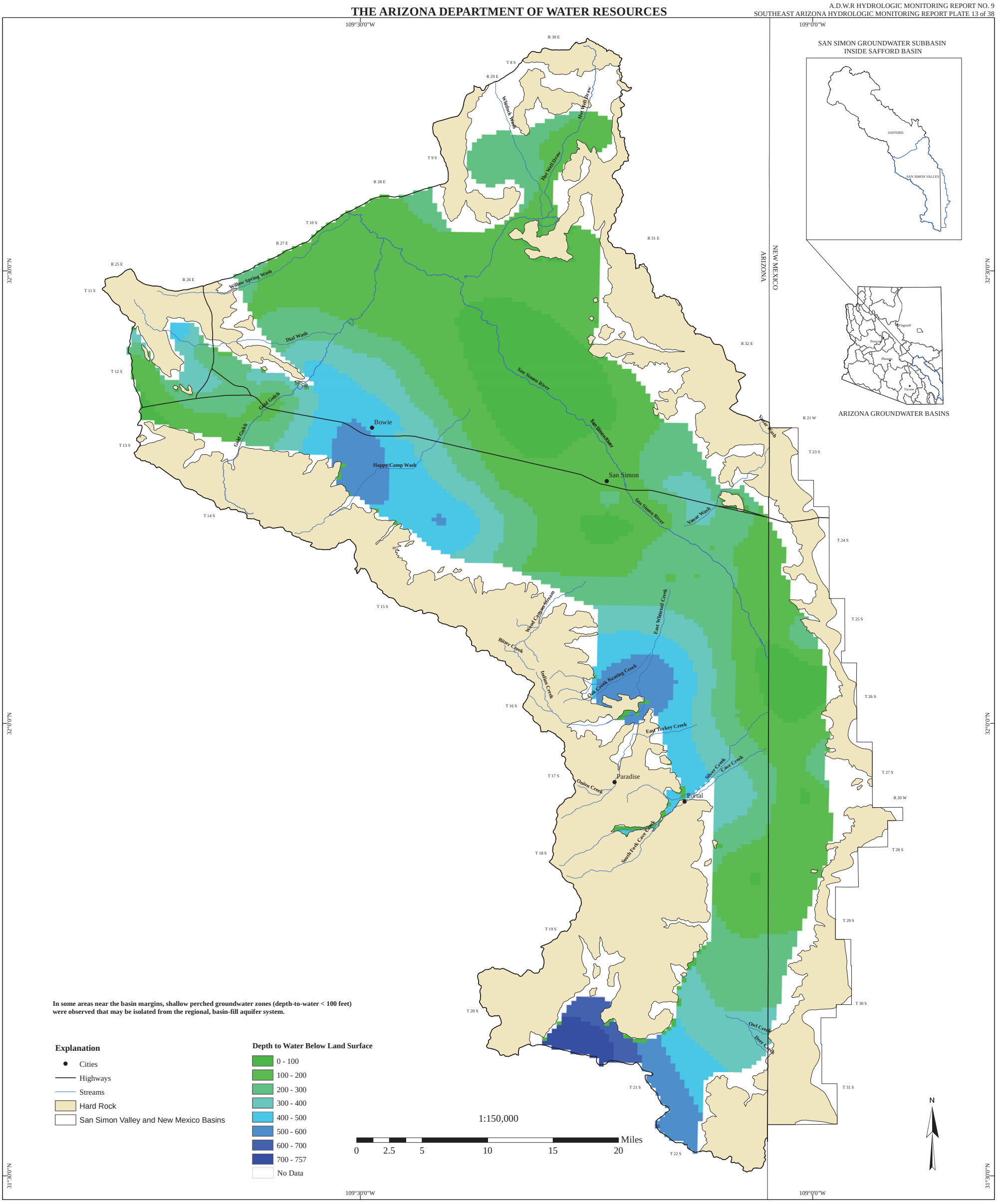

In some areas near the basin margins, shallow perched groundwater zones (depth-to-water < 100 feet) were observed that may be isolated from the regional, basin-fill aquifer system.

Explanation

- Cities
- Highways
- Streams
- Hard Rock
- San Simon Valley and New Mexico Basins

Depth to Water Below Land Surface

- 0 - 100
- 100 - 200
- 200 - 300
- 300 - 400
- 400 - 500
- 500 - 600
- 600 - 700
- 700 - 757
- No Data

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DEPTH TO WATER IN SAN SIMON VALLEY SUBBASIN
WATER YEAR 2015

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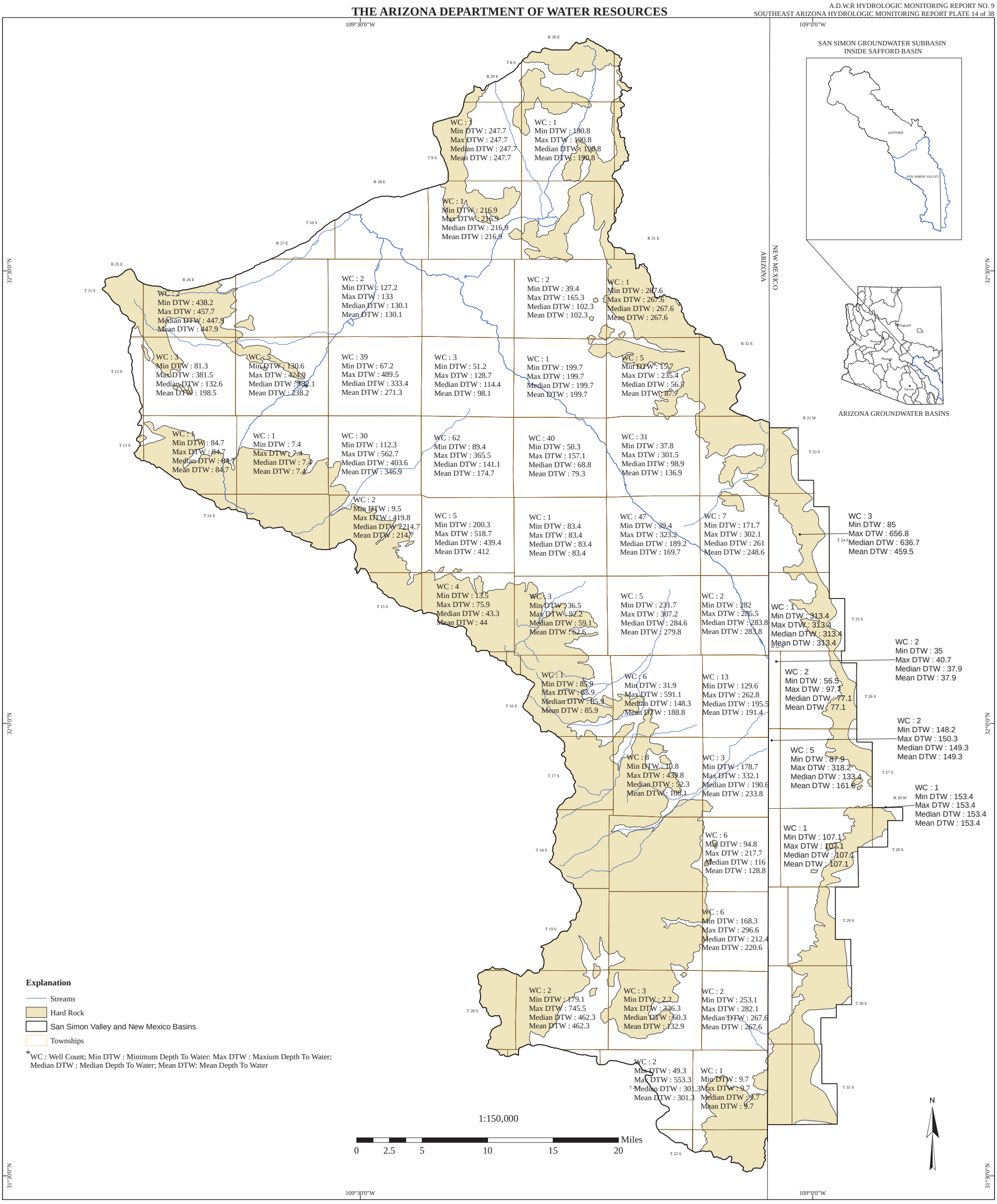

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WATER LEVEL STATISTICS IN SAN SIMON VALLEY SUBBASIN
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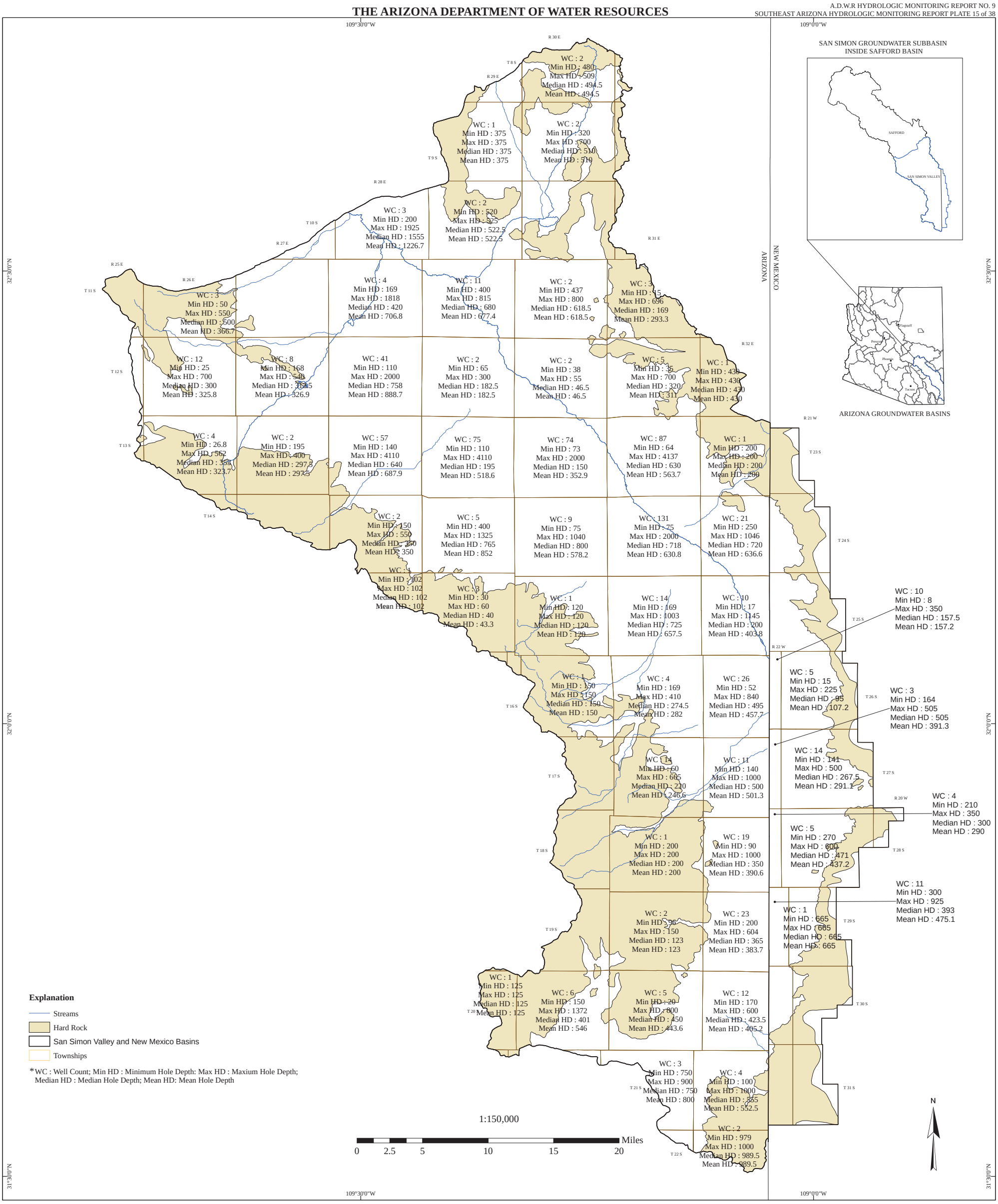

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WELL DEPTH STATISTICS IN SAN SIMON VALLEY SUBBASIN
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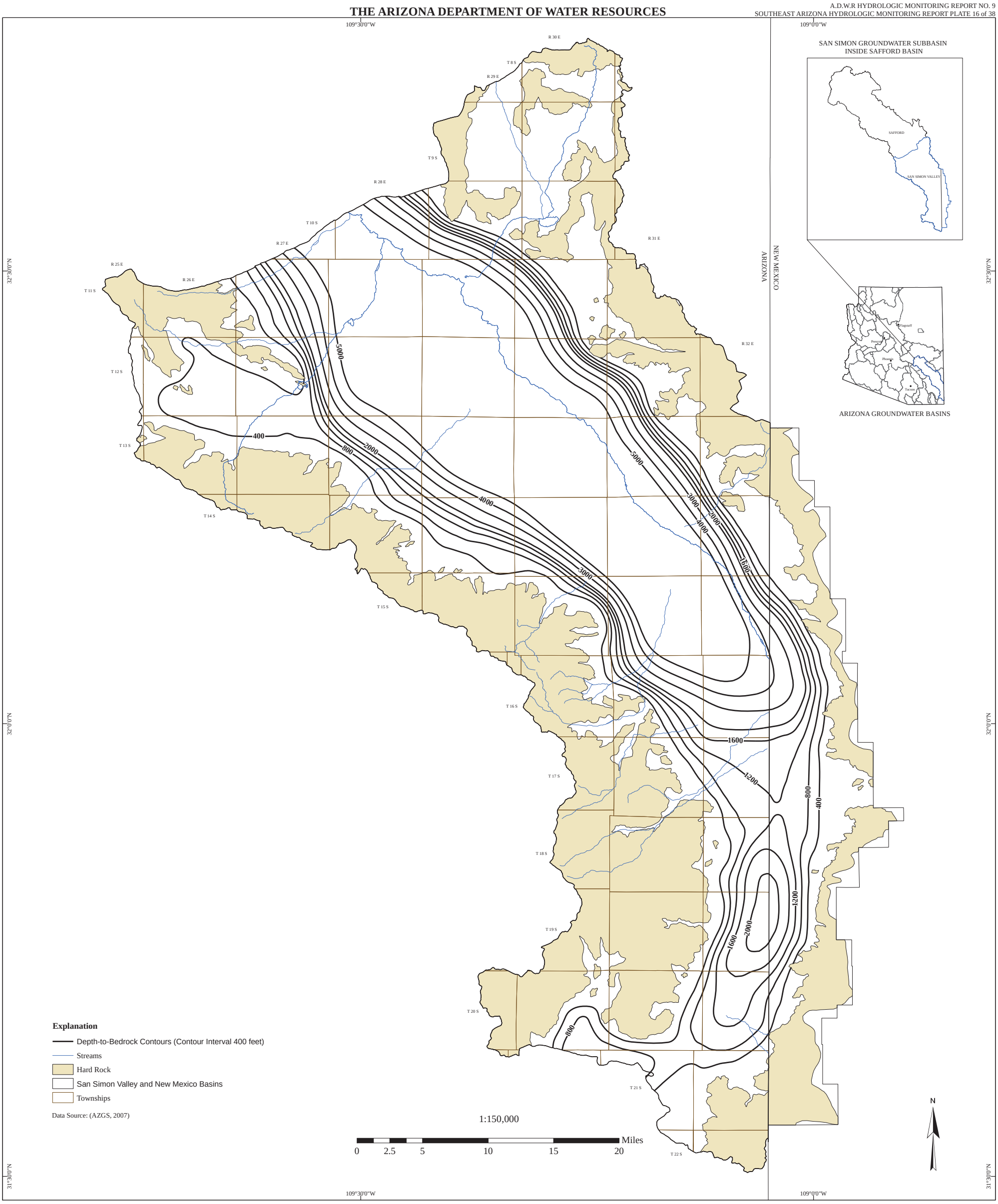

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DEPTH-TO-BEDROCK IN SAN SIMON VALLEY SUBBASIN

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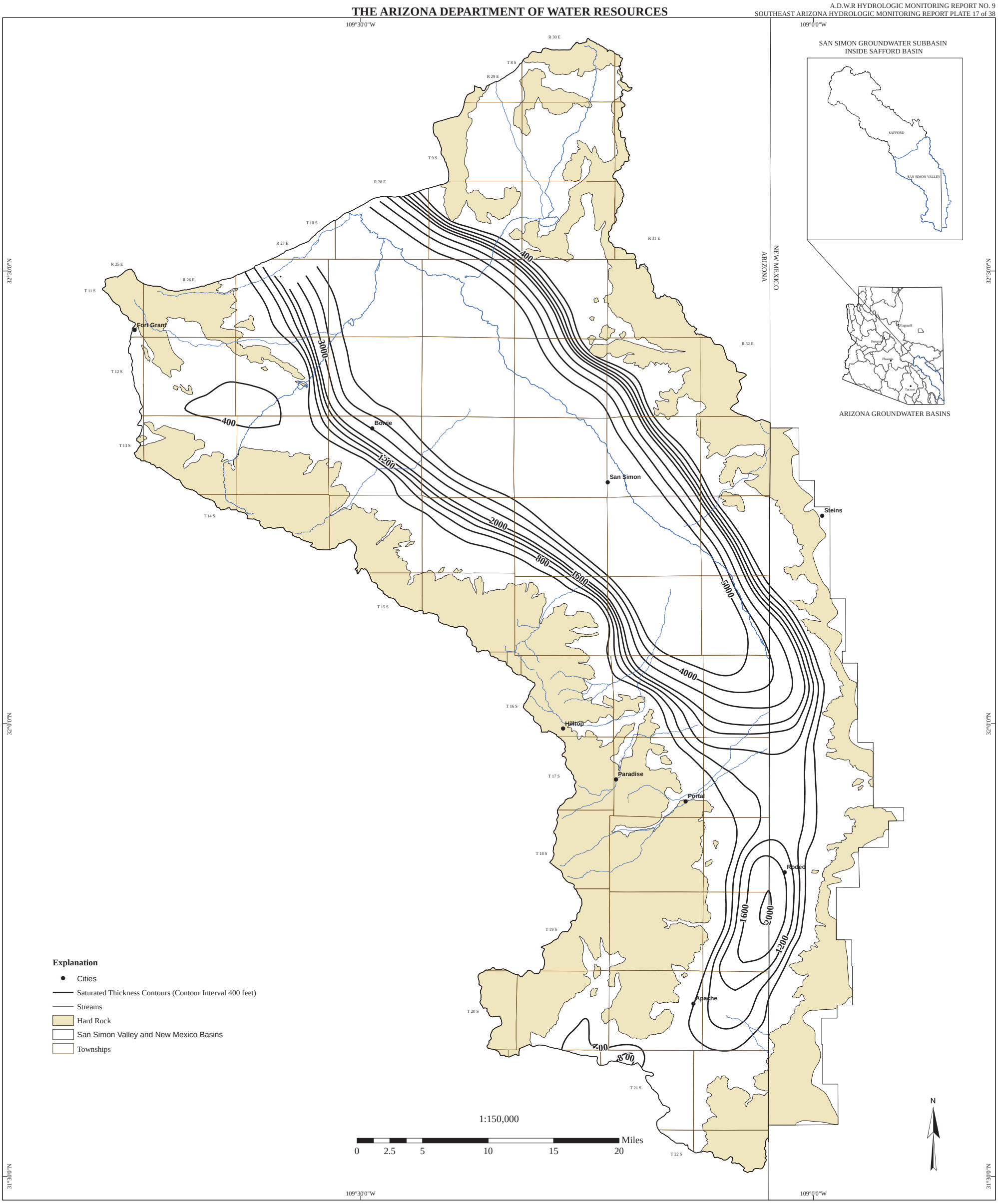

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SATURATED THICKNESS OF BASIN-FILL DEPOSITS IN THE SAN SIMON VALLEY SUBBASIN - WATER YEAR 2015

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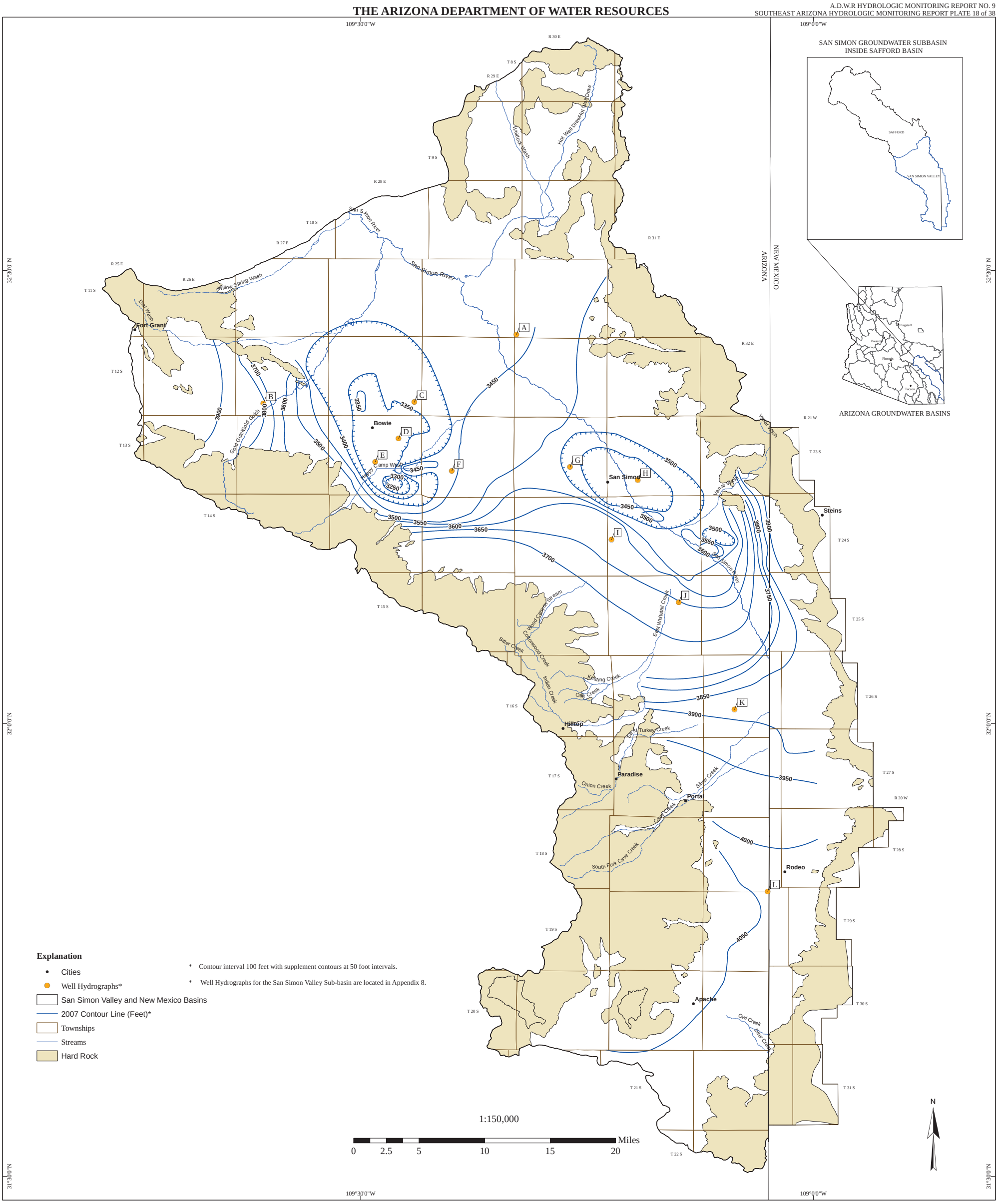

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GROUNDWATER ELEVATION CONTOURS IN SAN SIMON VALLEY SUBBASIN WATER YEAR 2007 REGIONAL AQUIFER

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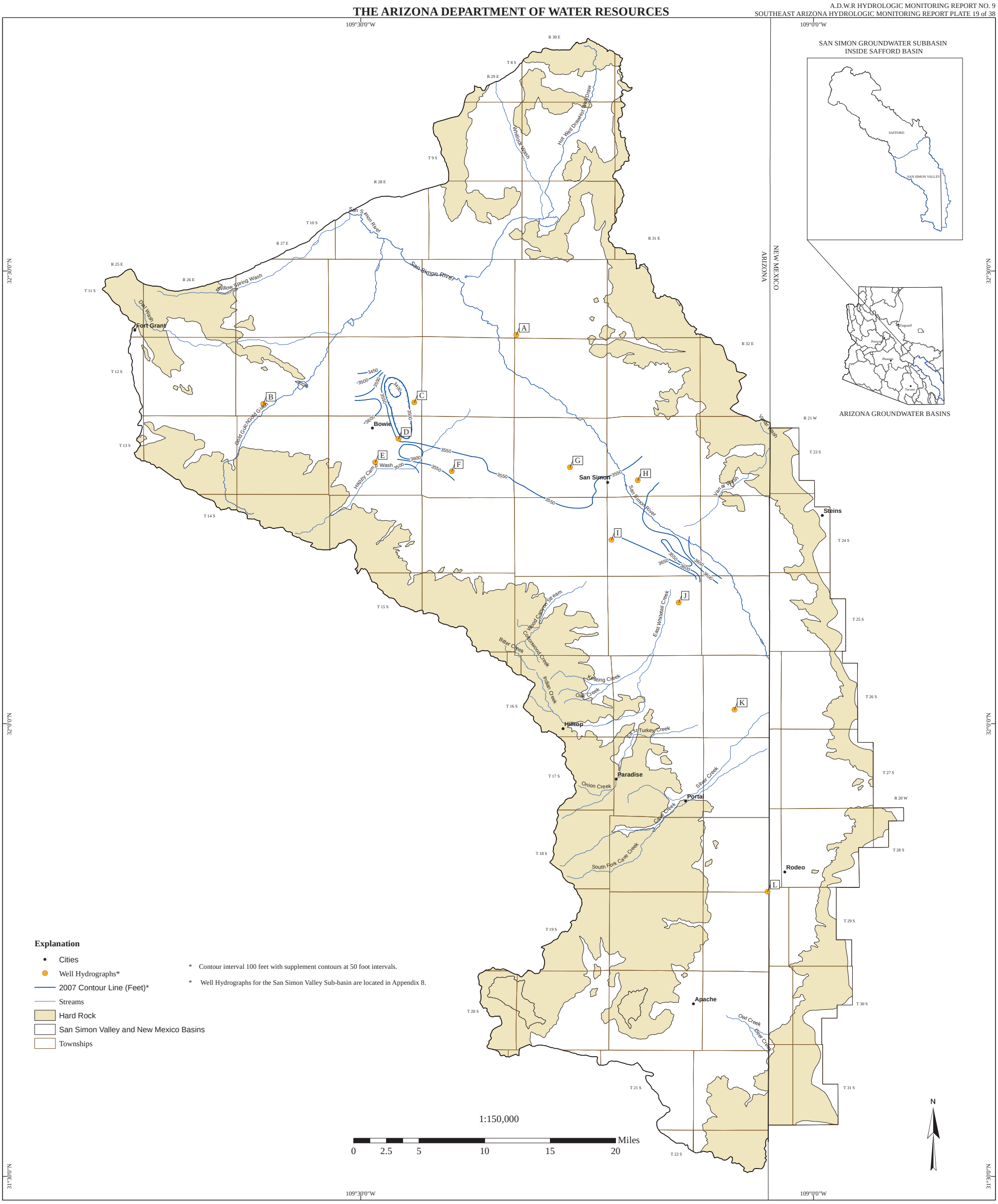

Explanation

- Cities
- Well Hydrographs*
- 2007 Contour Line (Feet)*
- Streams
- Hard Rock
- San Simon Valley and New Mexico Basins
- Townships

* Contour interval 100 feet with supplement contours at 50 foot intervals.

* Well Hydrographs for the San Simon Valley Sub-basin are located in Appendix 8.

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GROUNDWATER ELEVATION CONTOURS IN SAN SIMON VALLEY SUBBASIN WATER YEAR 2007 (NON-REGIONAL AQUIFER)

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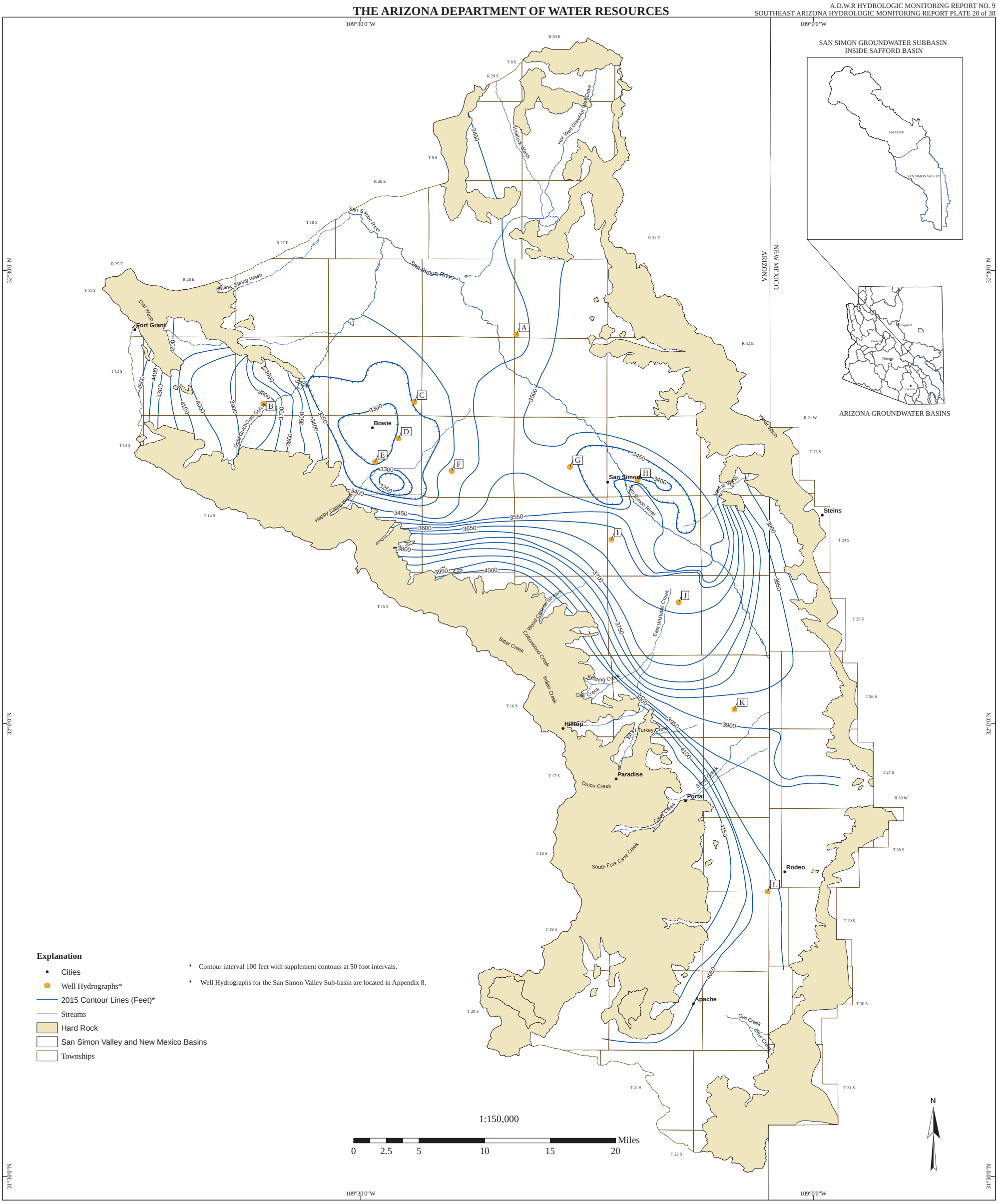

Explanation

- Cities
- Well Hydrographs*
- 2015 Contour Lines (Feet)*
- Streams
- Hard Rock
- San Simon Valley and New Mexico Basins
- Townships

* Contour interval 100 feet with supplement contours at 50 foot intervals.

* Well Hydrographs for the San Simon Valley Sub-basin are located in Appendix 8.

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GROUNDWATER ELEVATION CONTOURS IN SAN SIMON VALLEY SUBBASIN WATER YEAR 2015 REGIONAL AQUIFER

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
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(602) 771-8627
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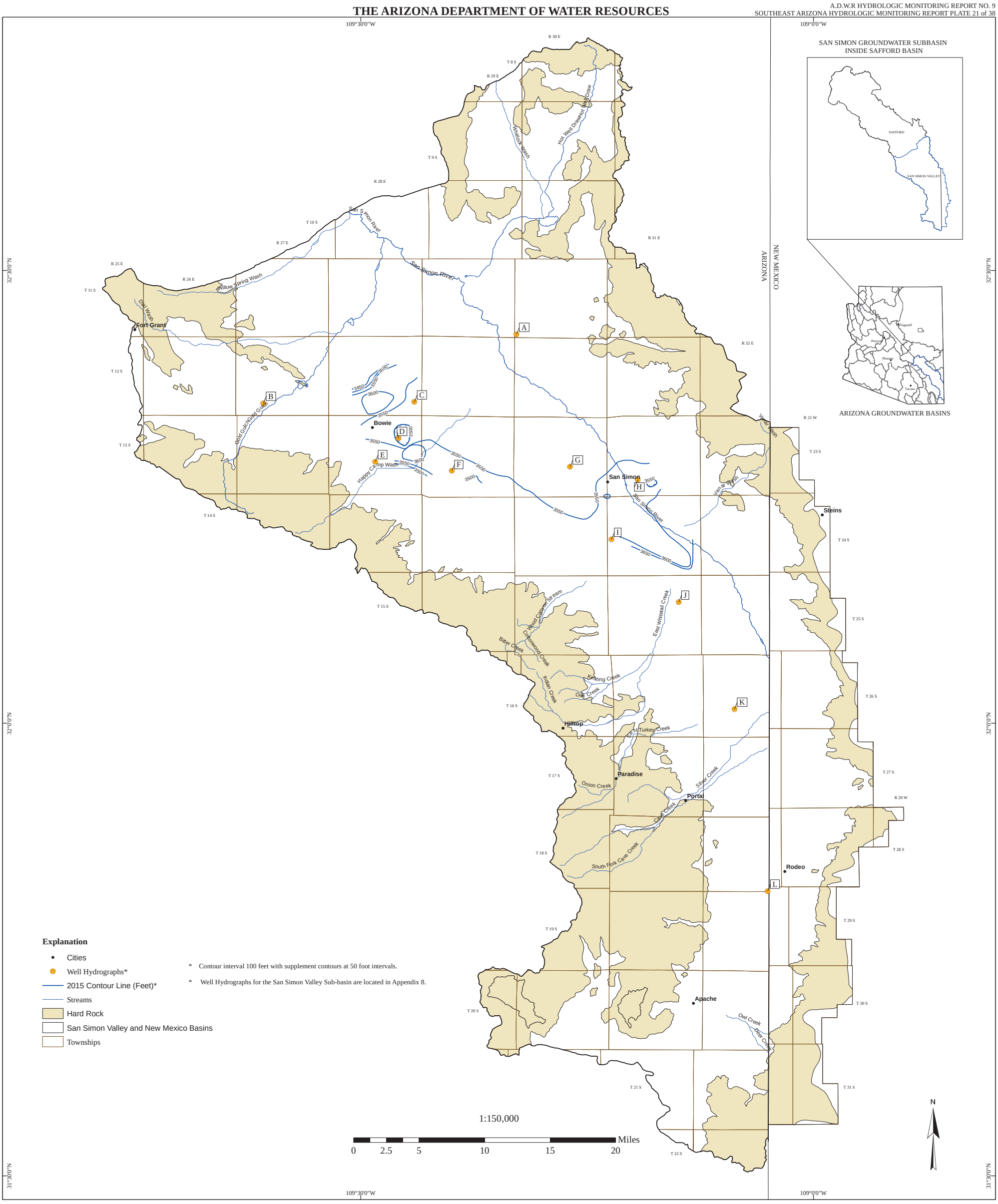

Explanation

- Cities
- Well Hydrographs*
- 2015 Contour Line (Feet)*
- Streams
- Hard Rock
- San Simon Valley and New Mexico Basins
- Townships

* Contour interval 100 feet with supplement contours at 50 foot intervals.

* Well Hydrographs for the San Simon Valley Sub-basin are located in Appendix 8.

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GROUNDWATER ELEVATION CONTOURS IN SAN SIMON VALLEY SUBBASIN WATER YEAR 2015 (NON-REGIONAL AQUIFER)

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

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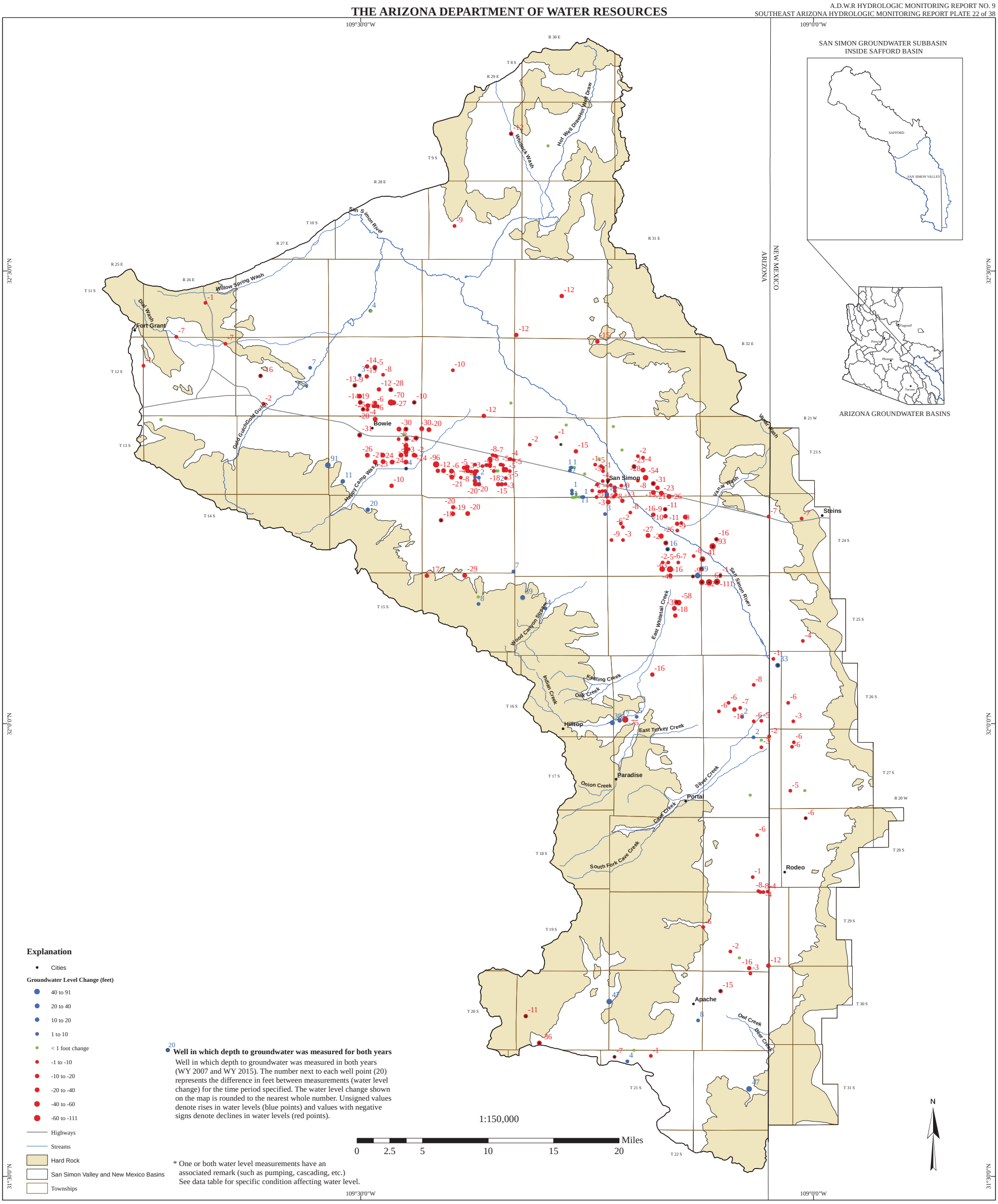

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GROUNDWATER LEVEL CHANGES IN SAN SIMON VALLEY SUBBASIN WATER YEARS 2007 - 2015

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

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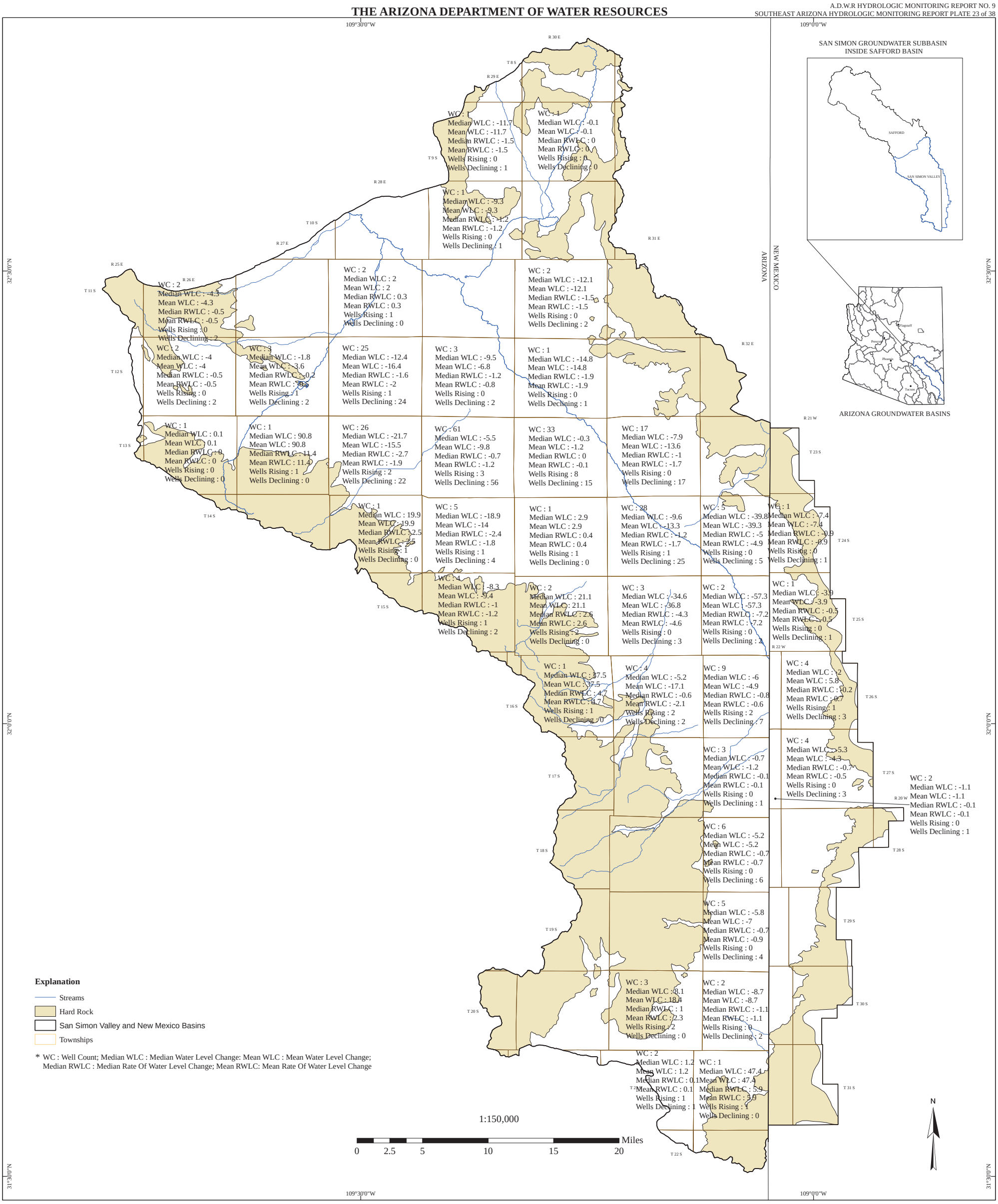

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WATER LEVEL CHANGE STATISTICS IN SAN SIMON VALLEY SUBBASIN WATER YEARS 2007 - 2015

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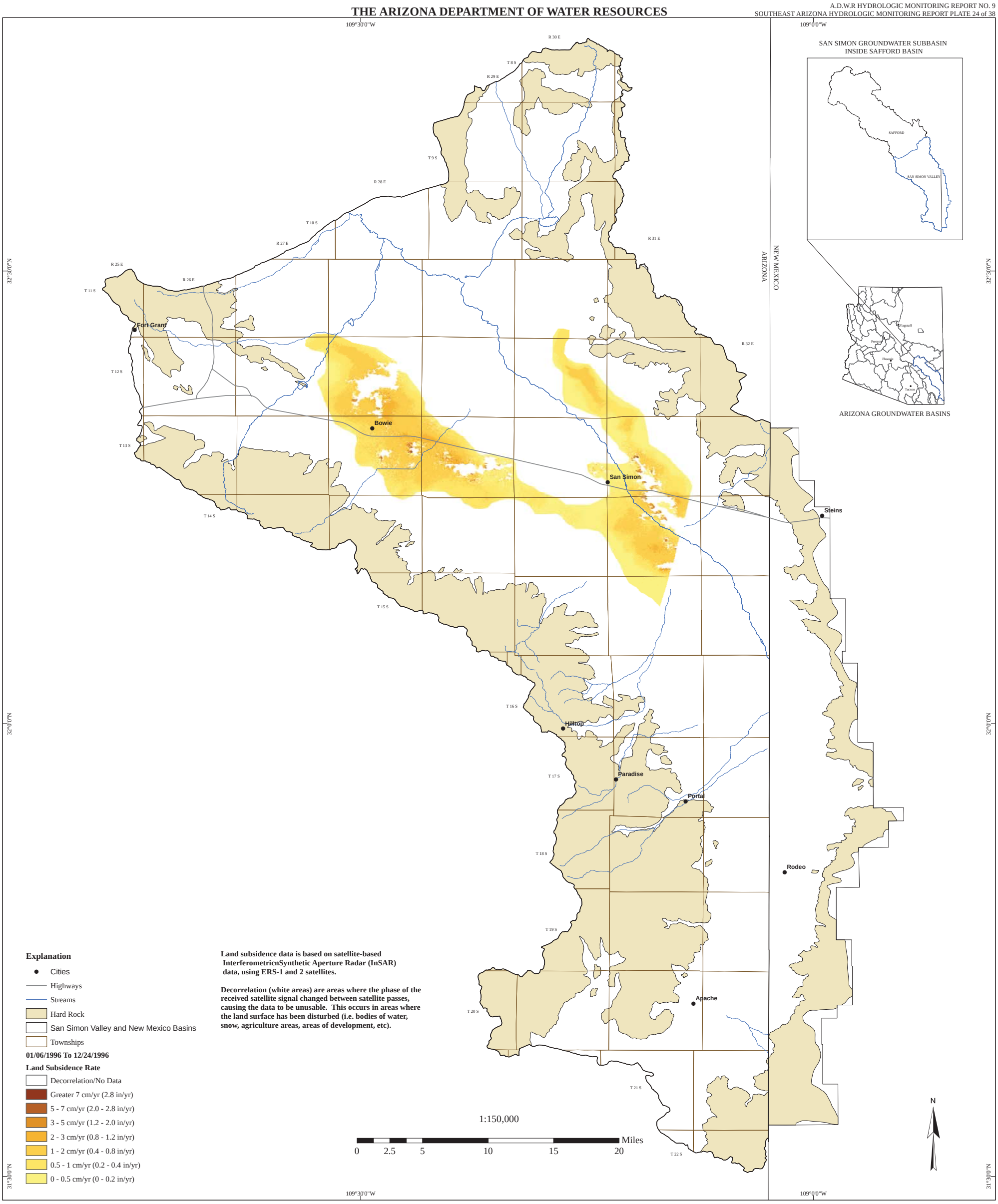

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LAND SUBSIDENCE IN SAN SIMON VALLEY SUBBASIN
01/06/1996 To 12/24/1996

For data go to:
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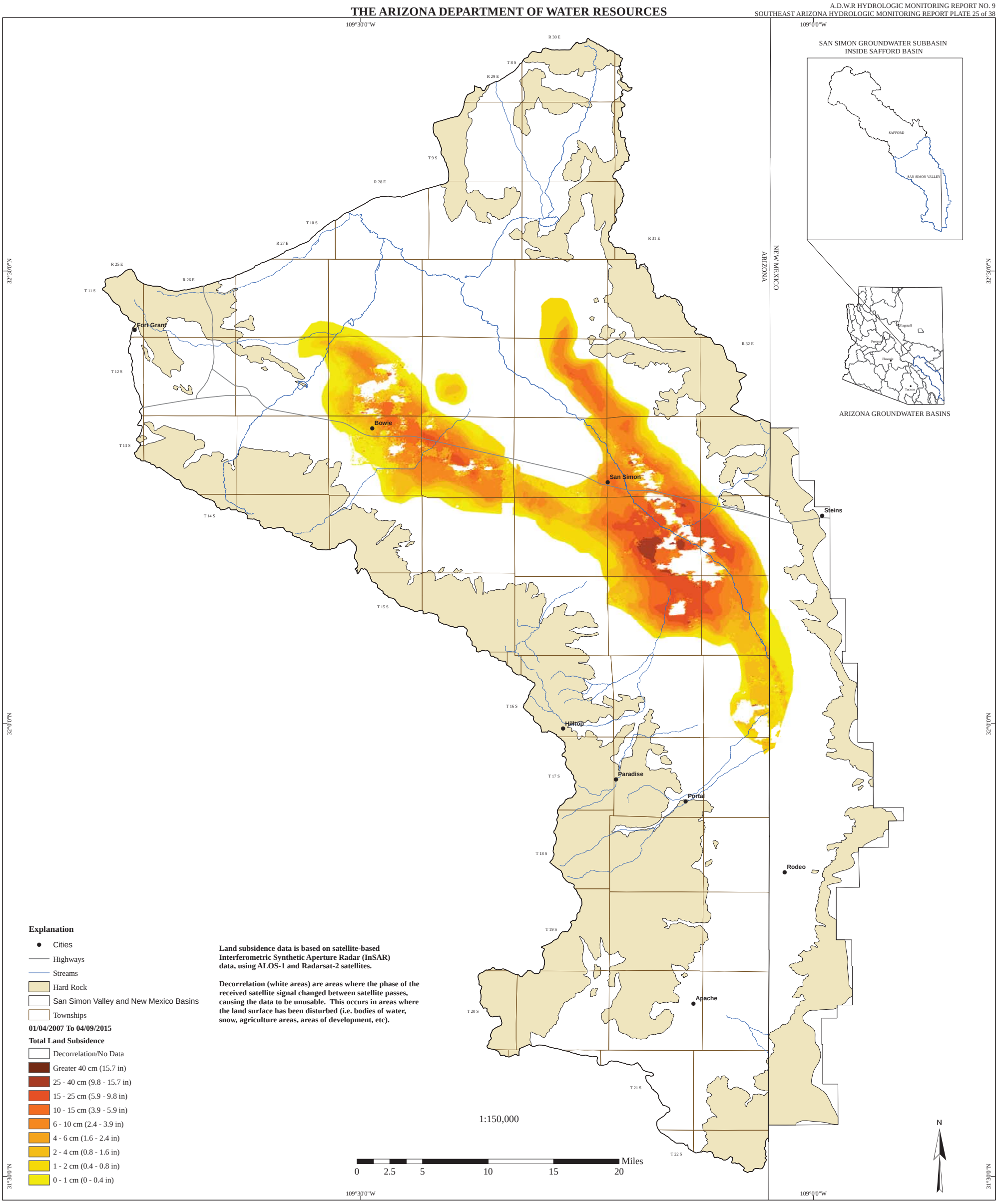

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LAND SUBSIDENCE IN SAN SIMON VALLEY SUBBASIN
01/04/2007 To 04/09/2015

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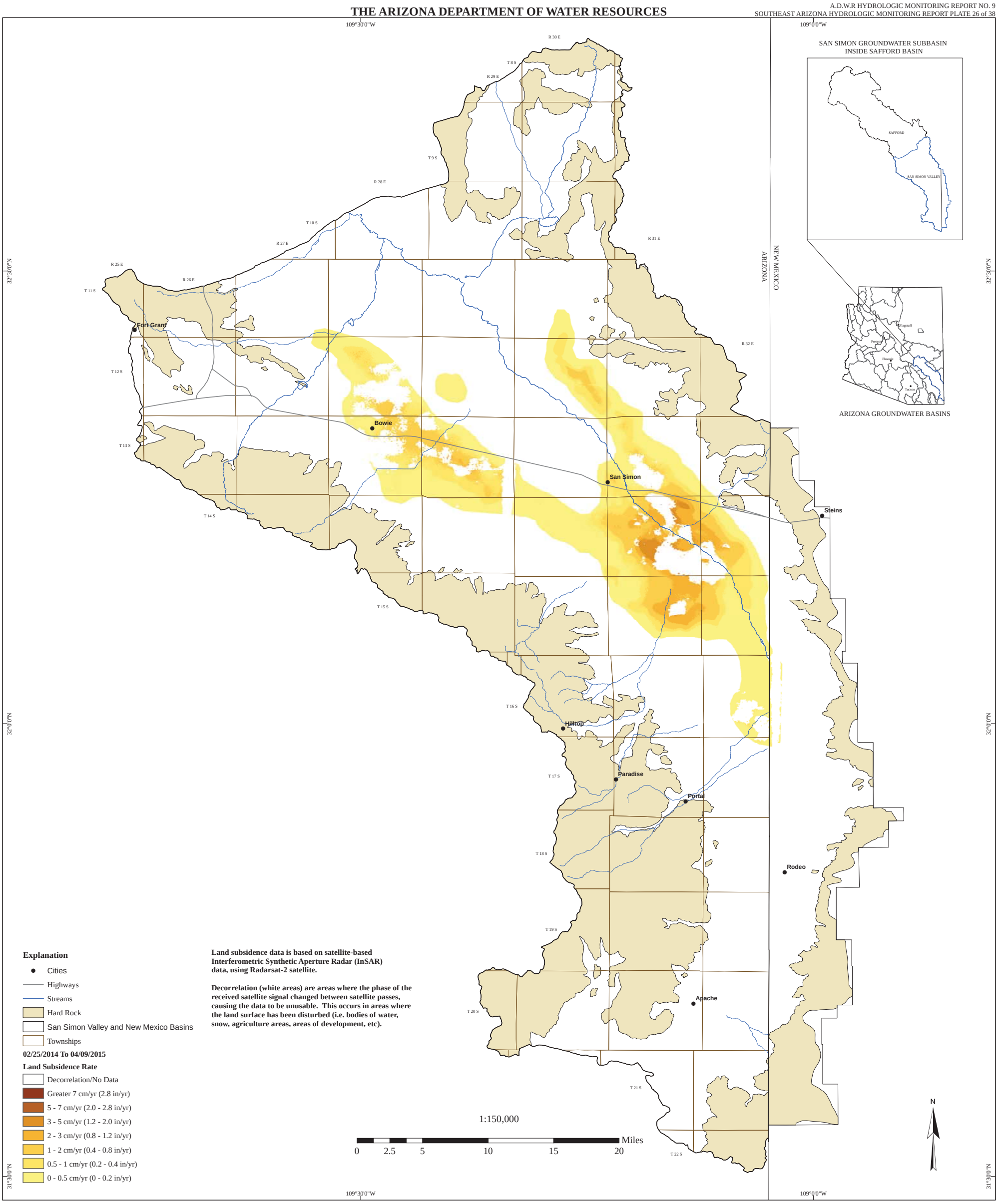

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LAND SUBSIDENCE IN SAN SIMON VALLEY SUBBASIN
02/25/2014 To 04/09/2015

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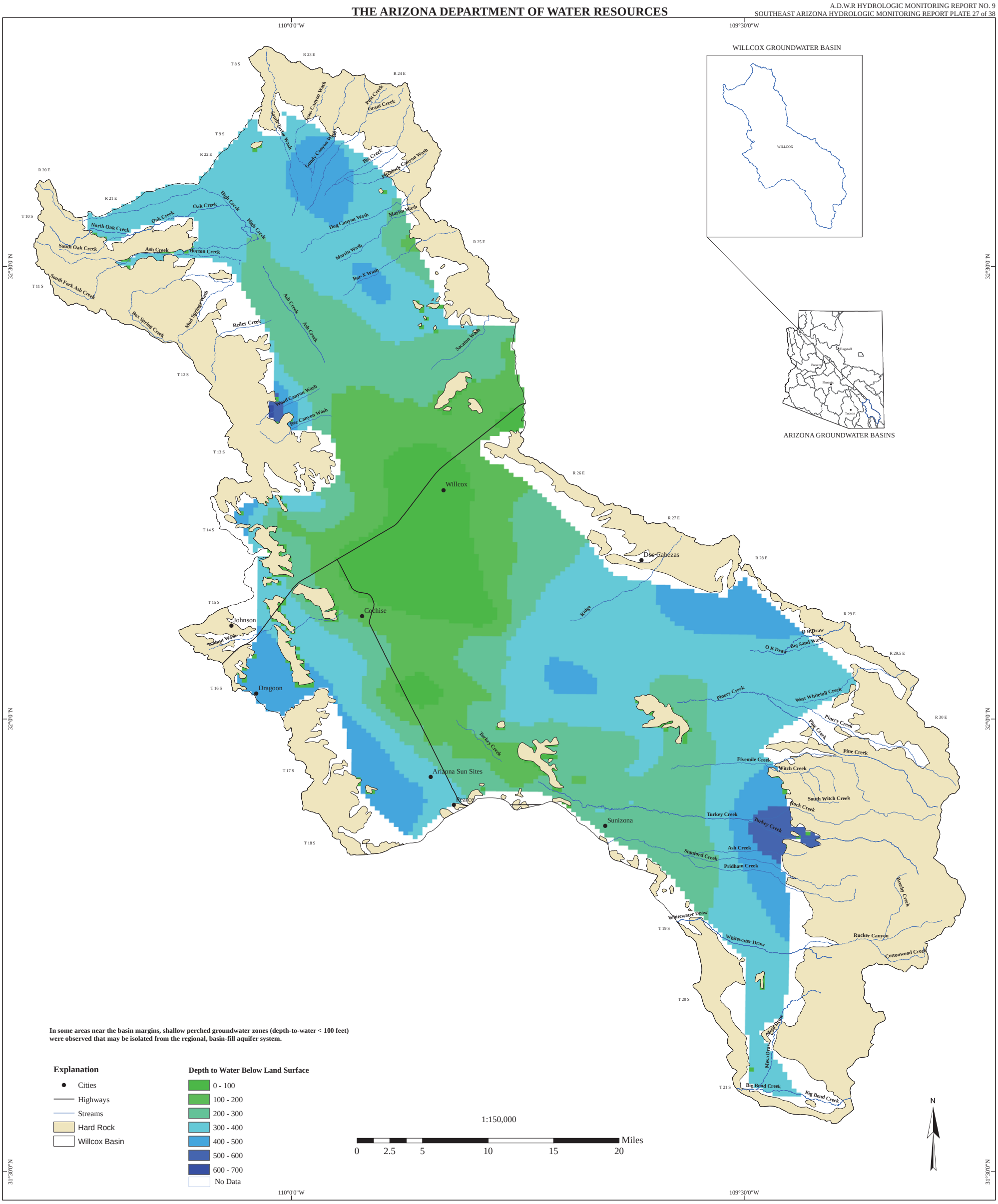

In some areas near the basin margins, shallow perched groundwater zones (depth-to-water < 100 feet) were observed that may be isolated from the regional, basin-fill aquifer system.

Explanation

- Cities
- Highways
- Streams
- Hard Rock
- Willcox Basin

Depth to Water Below Land Surface

- 0 - 100
- 100 - 200
- 200 - 300
- 300 - 400
- 400 - 500
- 500 - 600
- 600 - 700
- No Data

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DEPTH TO WATER IN WILLCOX BASIN
WATER YEAR 2015

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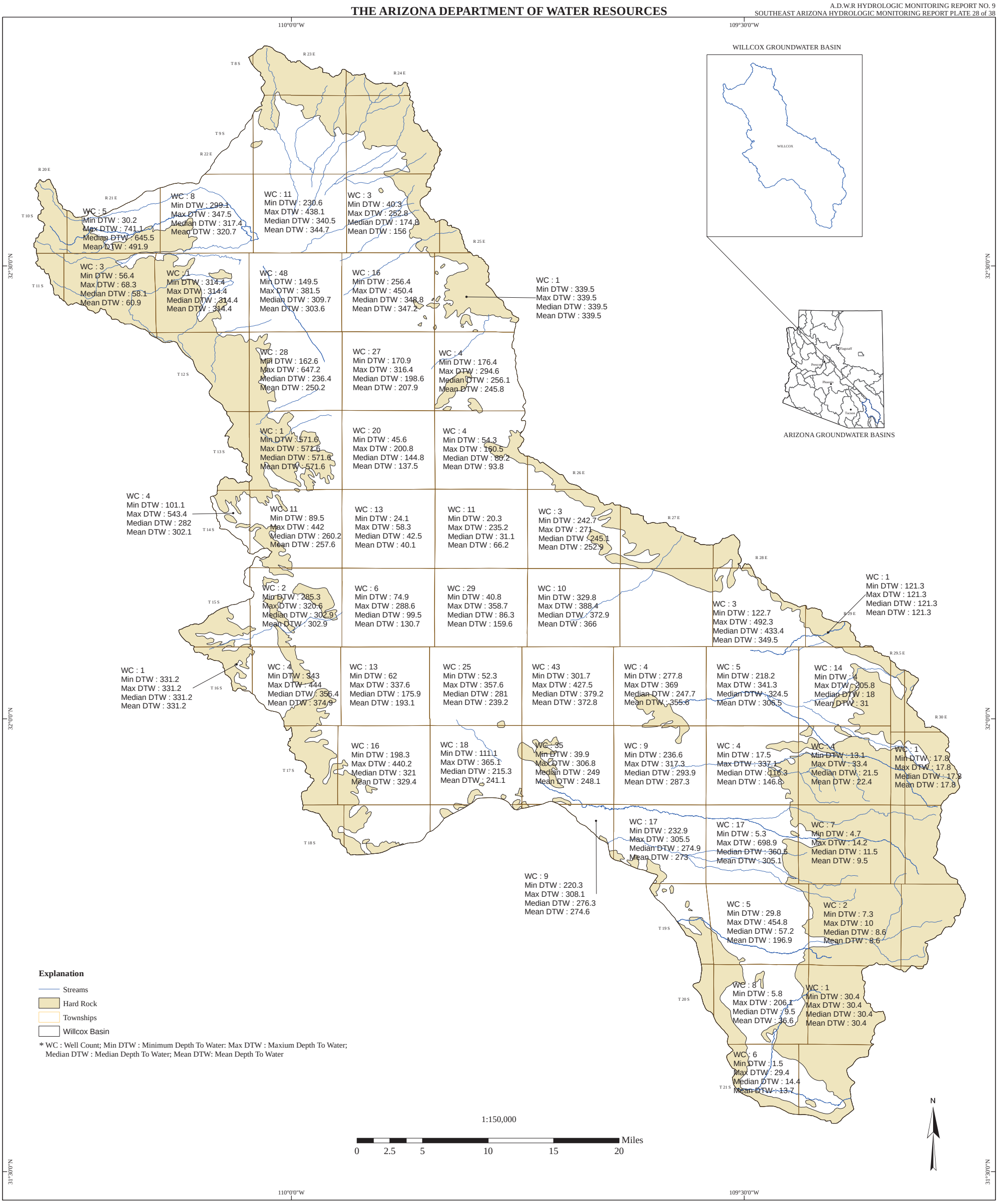

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WATER LEVEL STATISTICS IN WILLCOX BASIN
WATER YEAR 2015

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
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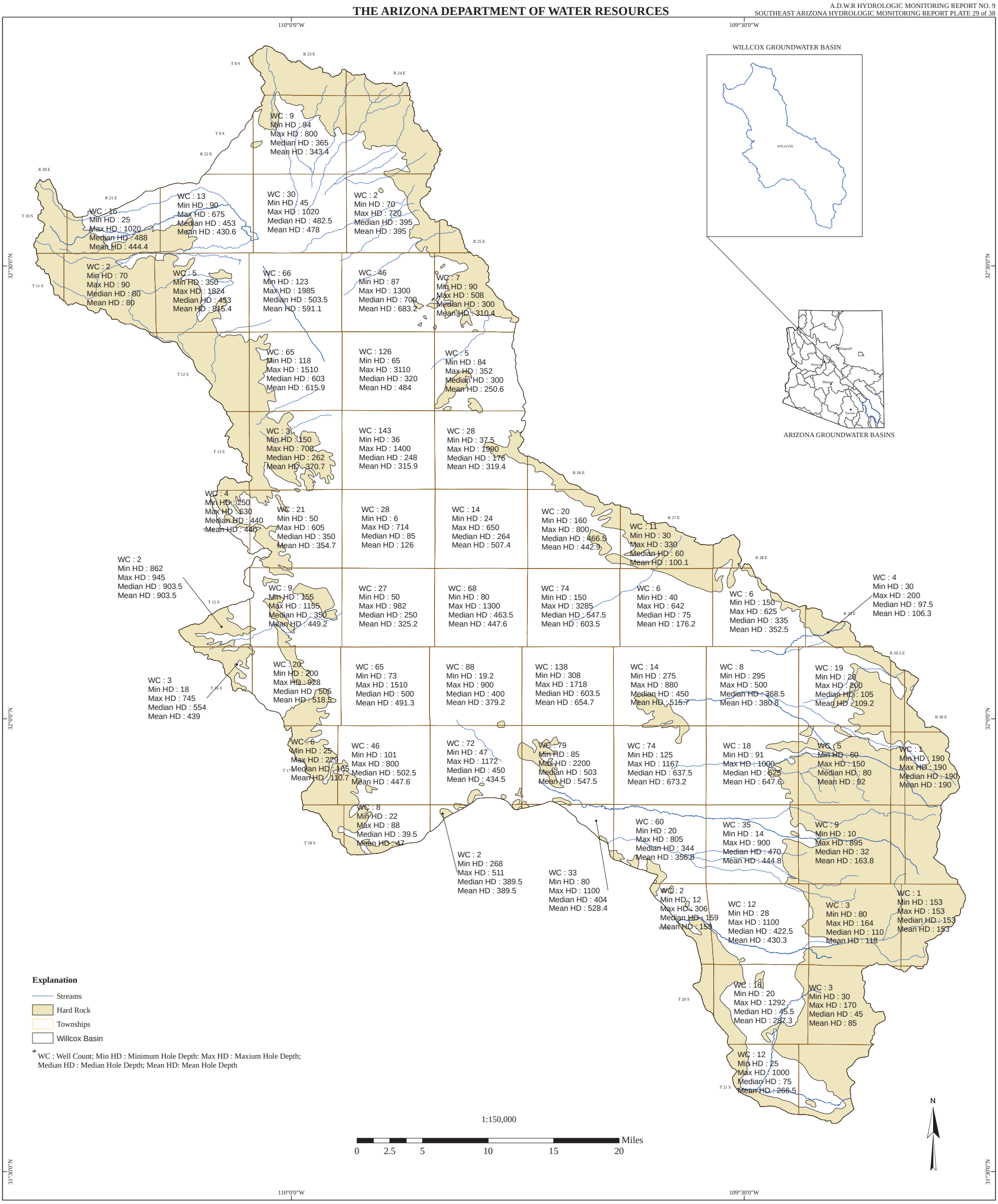

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WELL DEPTH STATISTICS IN WILLCOX BASIN
WATER YEAR 2015

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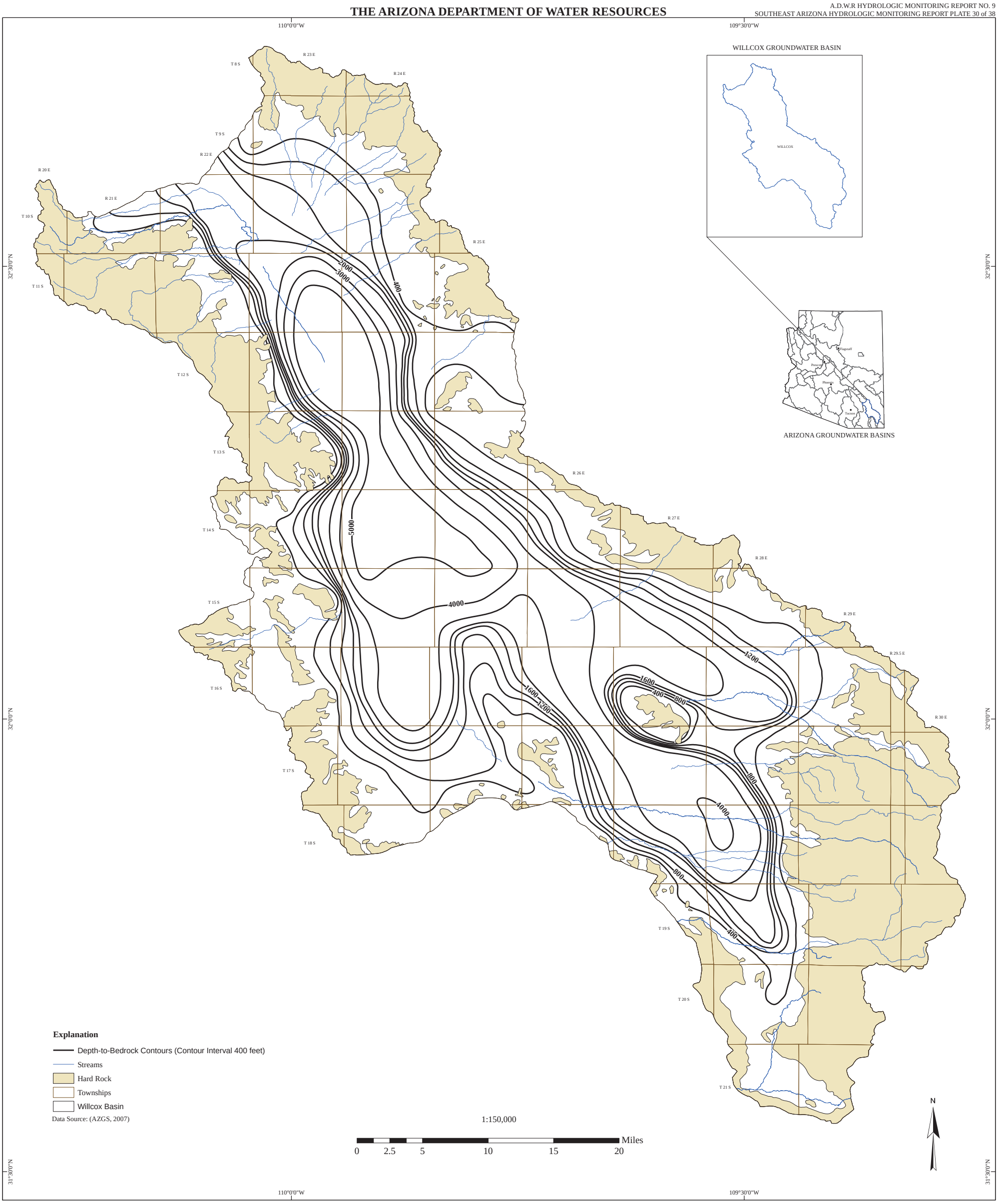

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DEPTH-TO-BEDROCK IN WILLCOX BASIN

For data go to:
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(602) 771-8627
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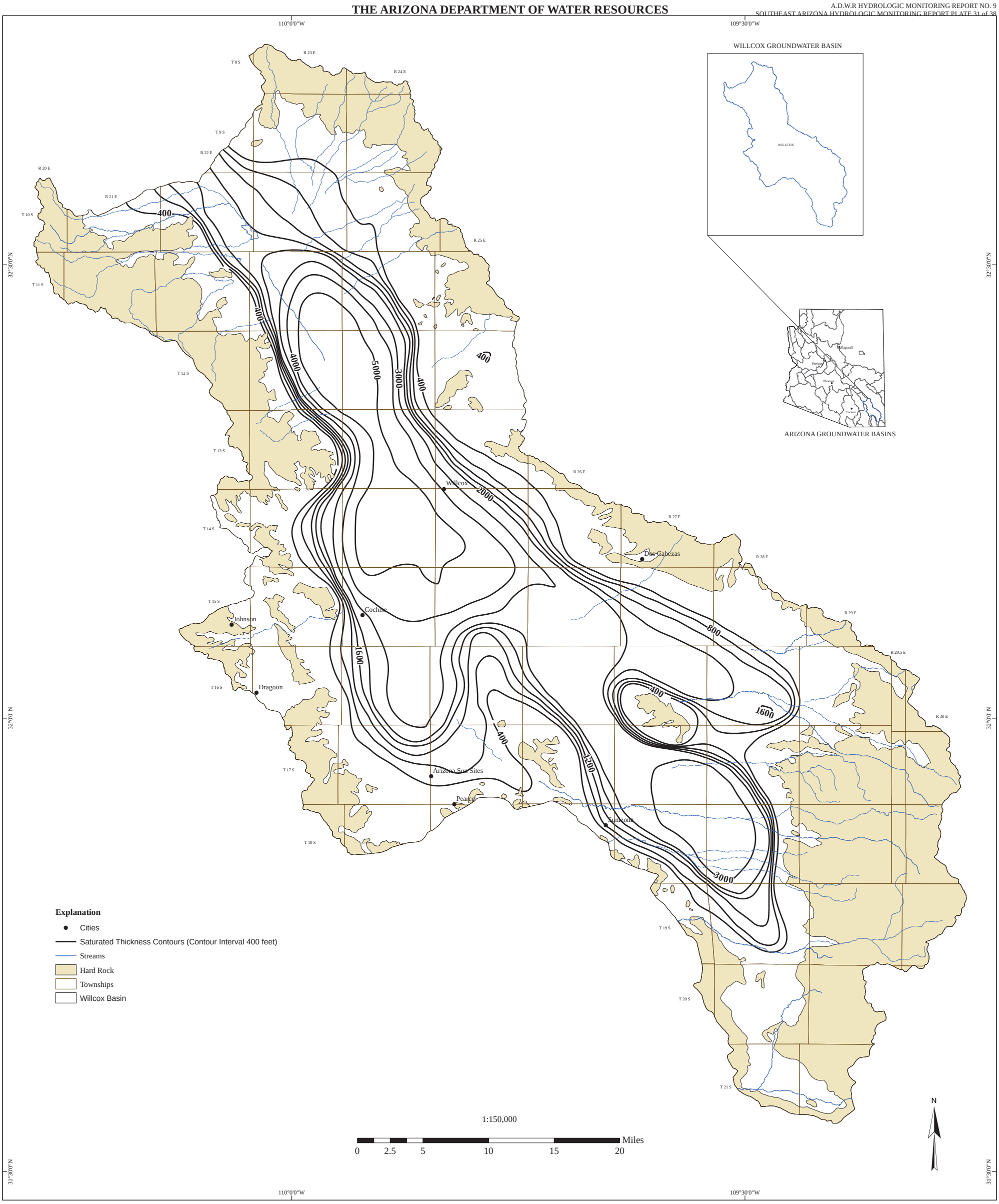

Explanation

- Cities
- Saturated Thickness Contours (Contour Interval 400 feet)
- Streams
- Hard Rock
- Townships
- Willcox Basin

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SATURATED THICKNESS IN OF BASIN-FILL DEPOSITS IN THE WILLCOX BASIN - WATER YEAR 2015

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

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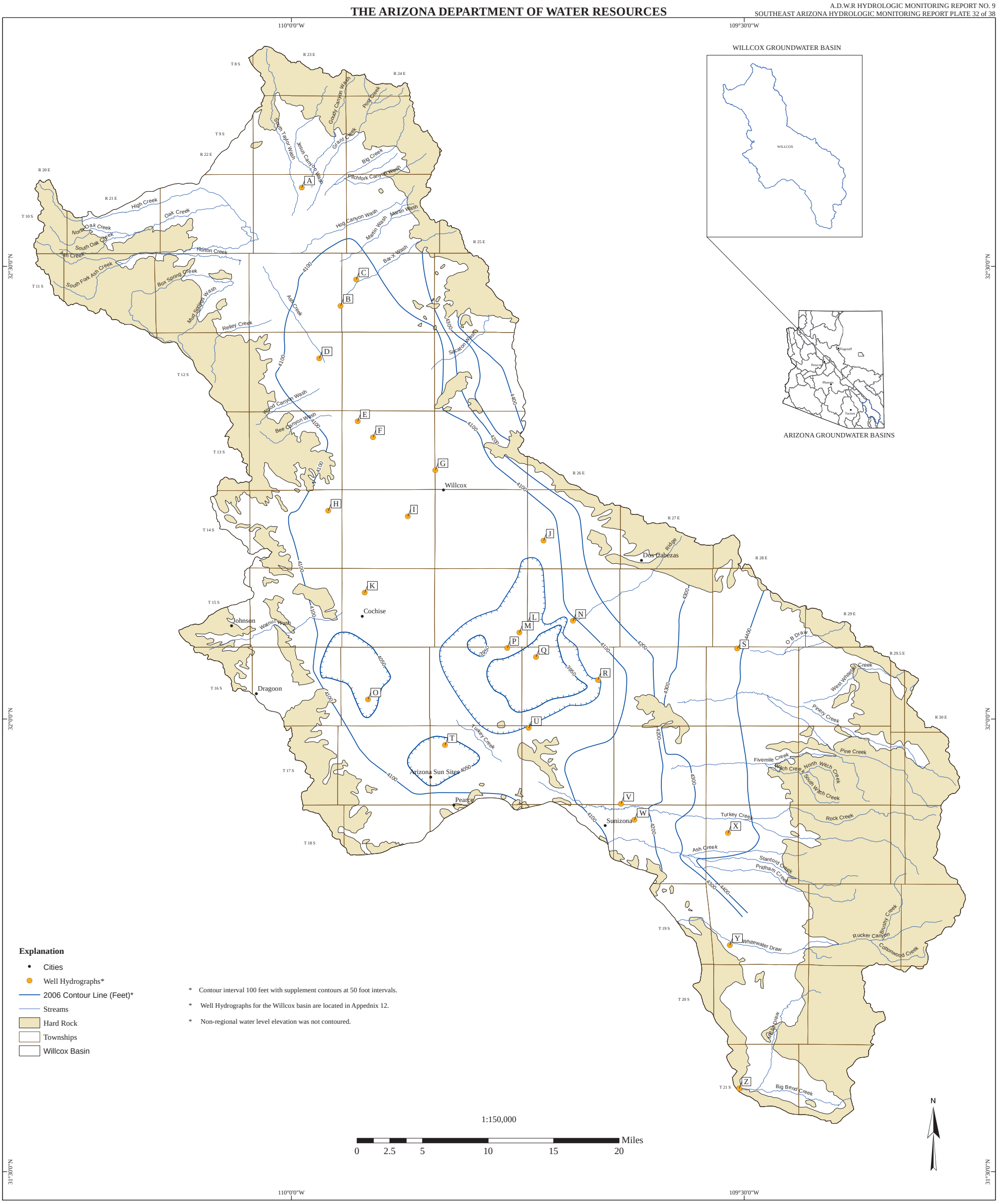

Explanation

- Cities
- Well Hydrographs*
- 2006 Contour Line (Feet)*
- Streams
- Hard Rock
- Townships
- Willcox Basin

* Contour interval 100 feet with supplement contours at 50 foot intervals.

* Well Hydrographs for the Willcox basin are located in Appednix 12.

* Non-regional water level elevation was not contoured.

1:150,000

0 2.5 5 10 15 20 Miles

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GROUNDWATER ELEVATION CONTOURS IN WILLCOX BASIN - WATER YEAR 2006

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

For more information or copies contact:
ADWR Information Services
3550 North Central Avenue
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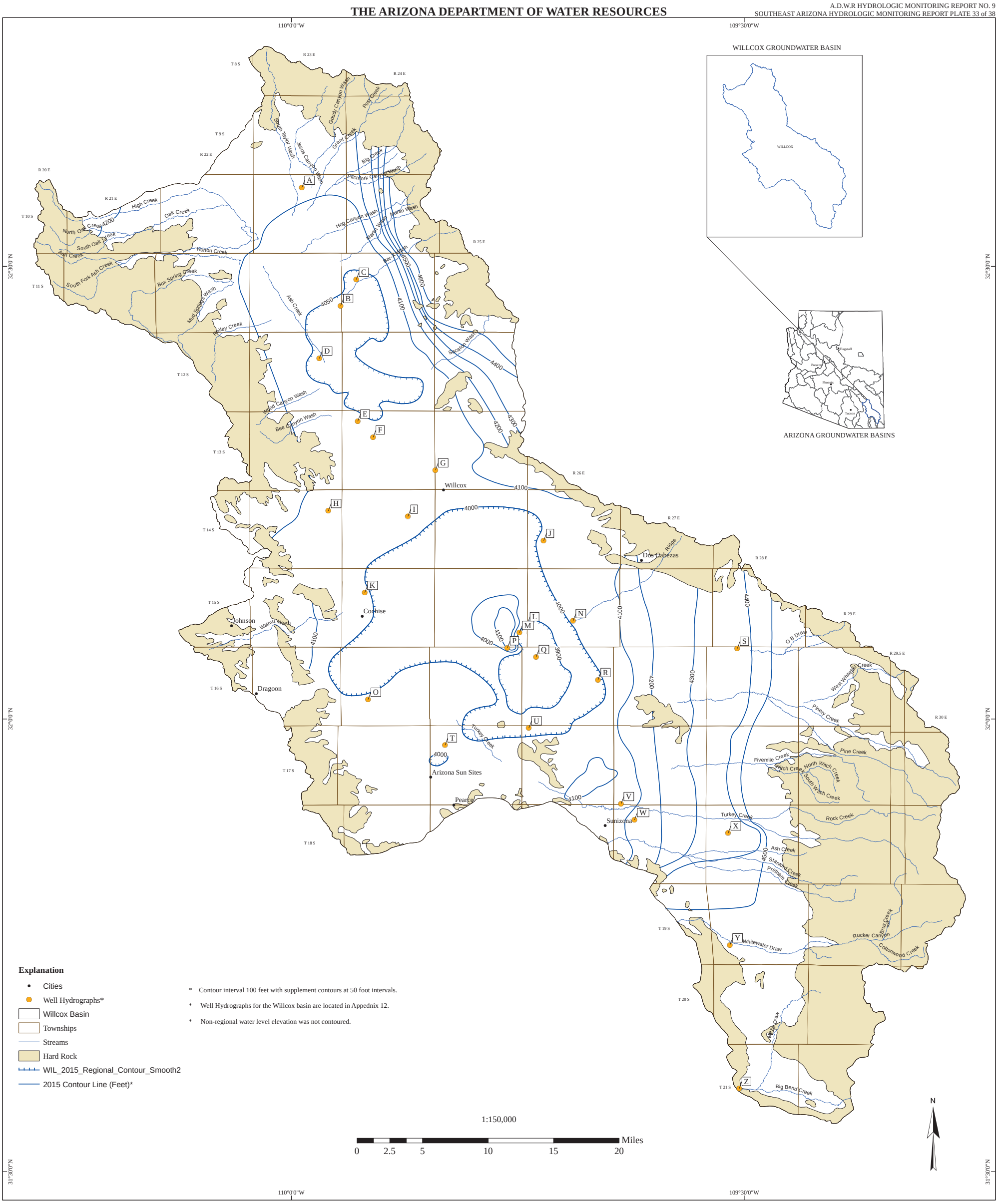

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GROUNDWATER ELEVATION CONTOURS IN WILLCOX BASIN - WATER YEAR 2015

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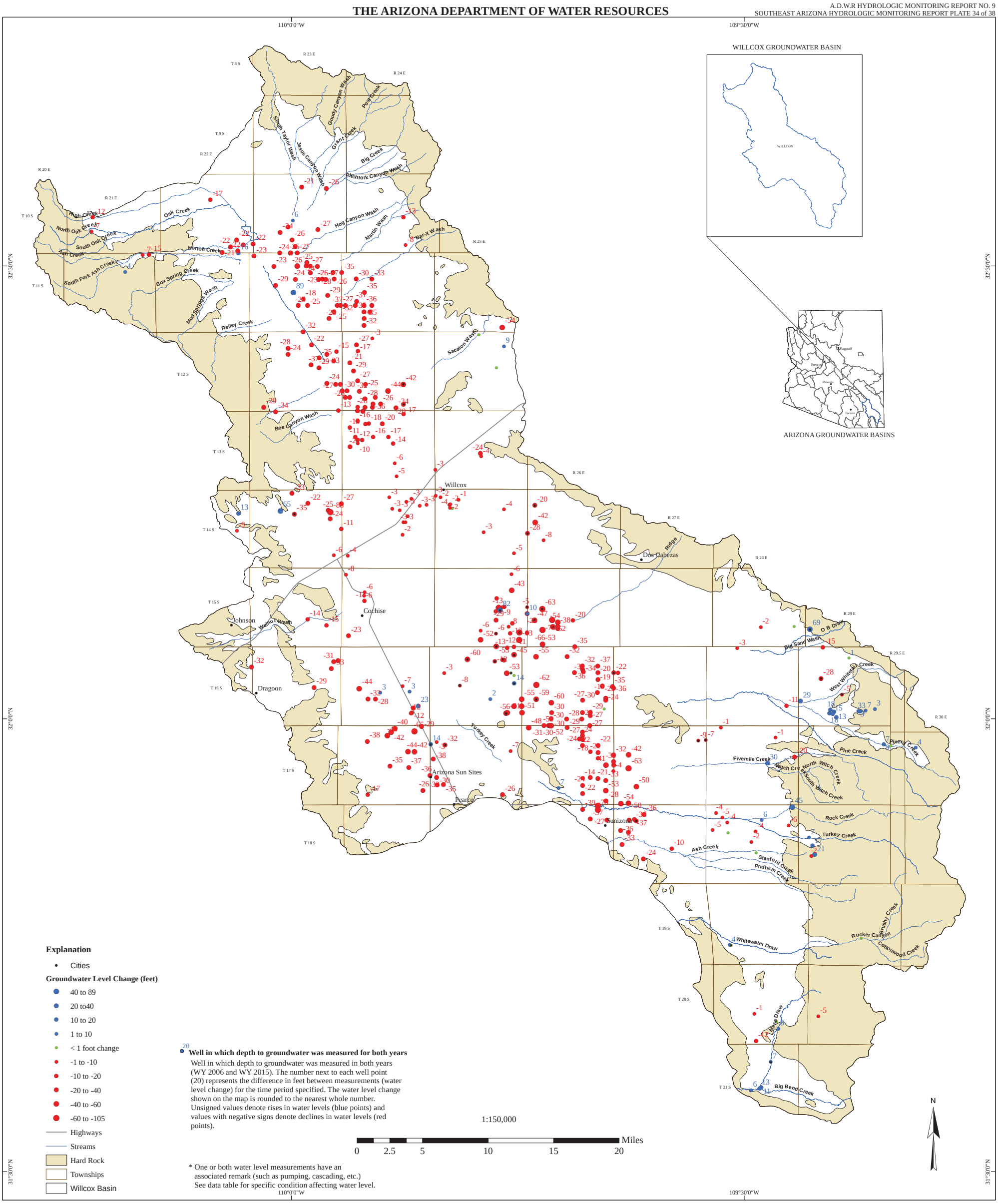

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GROUNDWATER LEVEL CHANGES IN WILLCOX BASIN
WATER YEARS 2006 - 2015

For data go to:
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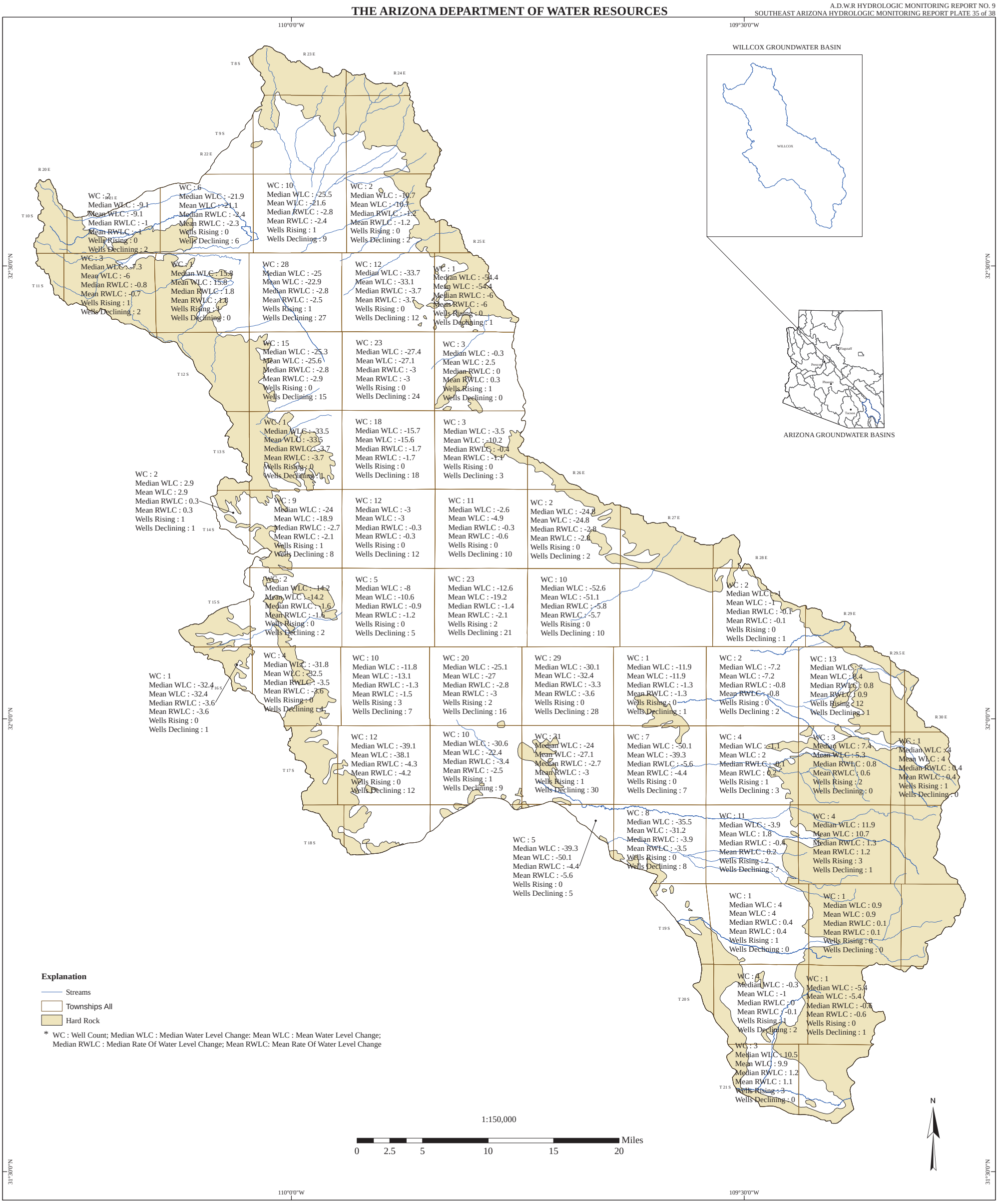

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WATER LEVEL CHANGE STATISTICS IN WILLCOX BASIN
WATER YEARS 2006 - 2015

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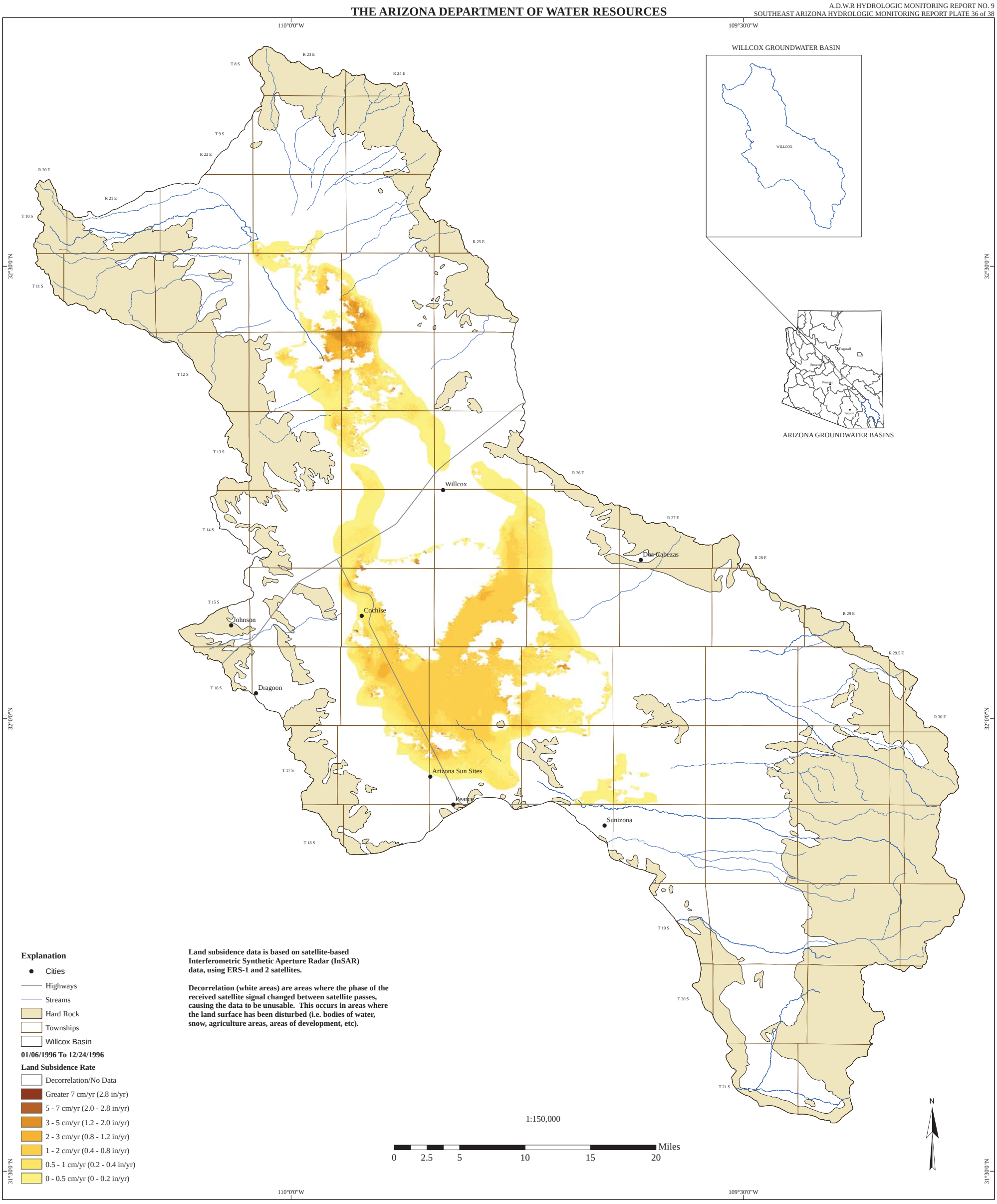

Explanation

- Cities
- Highways
- Streams
- Hard Rock
- Townships
- Willcox Basin

01/06/1996 To 12/24/1996

Land Subsidence Rate

- Decorrelation/No Data
- Greater 7 cm/yr (2.8 in/yr)
- 5 - 7 cm/yr (2.0 - 2.8 in/yr)
- 3 - 5 cm/yr (1.2 - 2.0 in/yr)
- 2 - 3 cm/yr (0.8 - 1.2 in/yr)
- 1 - 2 cm/yr (0.4 - 0.8 in/yr)
- 0.5 - 1 cm/yr (0.2 - 0.4 in/yr)
- 0 - 0.5 cm/yr (0 - 0.2 in/yr)

Land subsidence data is based on satellite-based Interferometric Synthetic Aperture Radar (InSAR) data, using ERS-1 and 2 satellites.

Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

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LAND SUBSIDENCE IN WILLCOX BASIN
01/06/1996 To 12/24/1996

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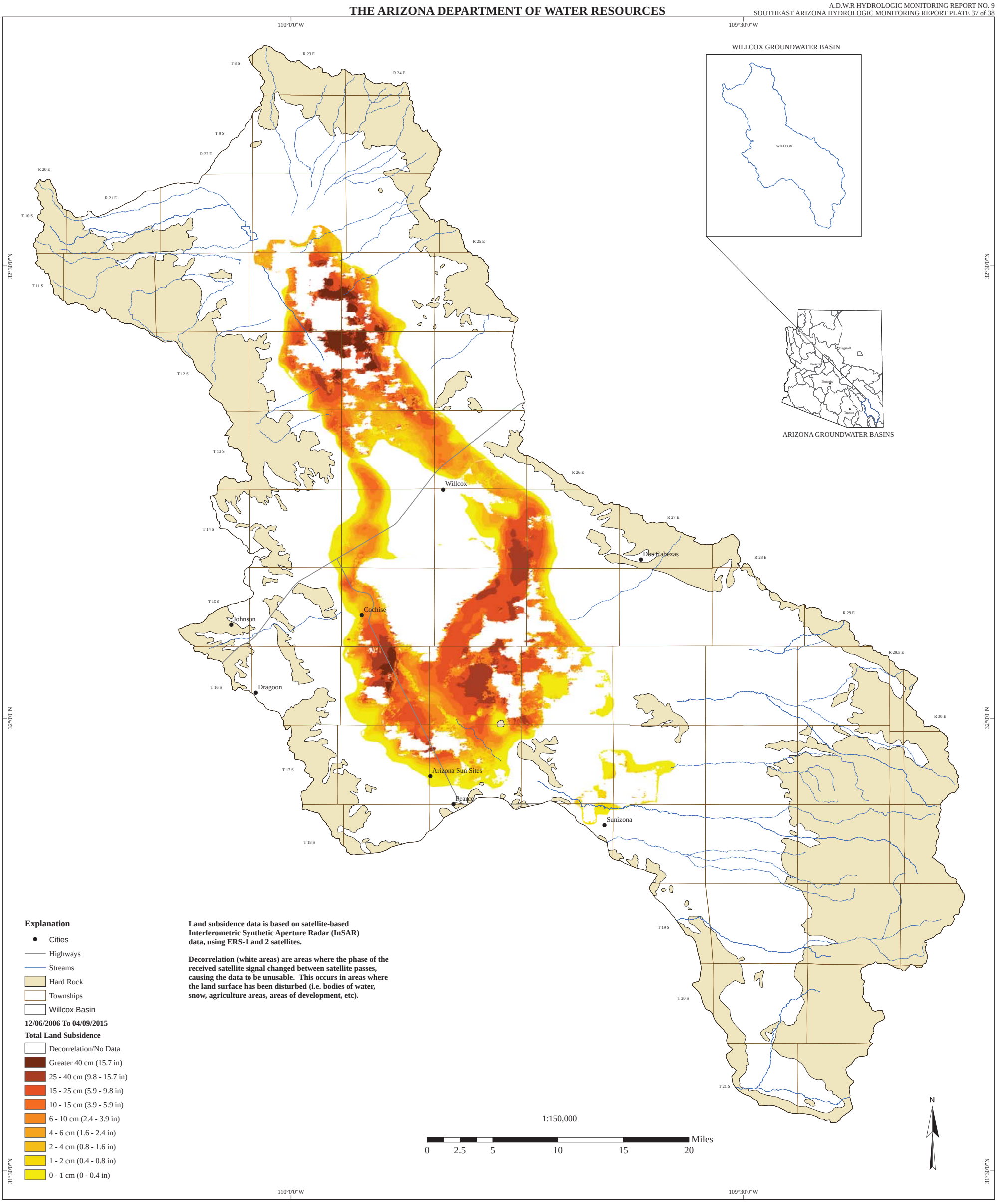

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LAND SUBSIDENCE IN WILLCOX BASIN
12/06/2006 TO 04/09/2015

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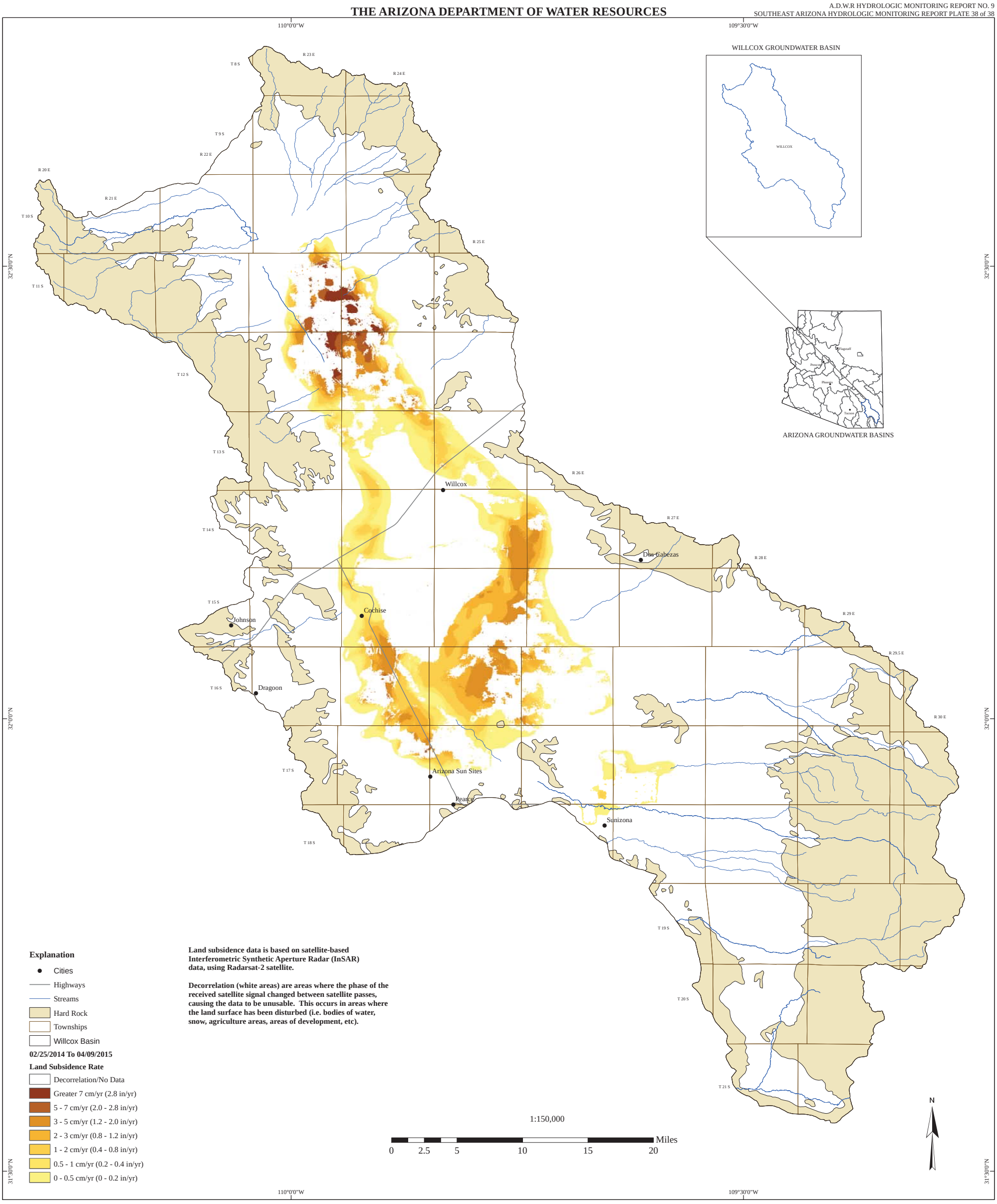

Explanation

- Cities
- Highways
- Streams
- Hard Rock
- Townships
- Willcox Basin

02/25/2014 To 04/09/2015

Land Subsidence Rate

- Decorrelation/No Data
- Greater 7 cm/yr (2.8 in/yr)
- 5 - 7 cm/yr (2.0 - 2.8 in/yr)
- 3 - 5 cm/yr (1.2 - 2.0 in/yr)
- 2 - 3 cm/yr (0.8 - 1.2 in/yr)
- 1 - 2 cm/yr (0.4 - 0.8 in/yr)
- 0.5 - 1 cm/yr (0.2 - 0.4 in/yr)
- 0 - 0.5 cm/yr (0 - 0.2 in/yr)

Land subsidence data is based on satellite-based Interferometric Synthetic Aperture Radar (InSAR) data, using Radarsat-2 satellite.

Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

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02/25/2014 To 04/09/2015

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Appendix 1

Douglas Basin initial dataset water level measurements
water year 2005.

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315350109462801	D-18-25 02CAB2	633369	4328	31° 53' 51.3'' / 109° 46' 27.9''	400	400	W	S		12/02/04	257.2	4070.8	V		
315350109462801	D-18-25 02CAB2	633369	4328	31° 53' 51.3'' / 109° 46' 27.9''	400	400	W	S		12/02/04	257.2	4070.8	V		
315303109413701	D-18-26 10BCC		4299	31° 53' 2.1'' / 109° 41' 37.6''	215	215	U	U	Inactive	12/02/04	113.5	4185.3	V		
315231109423901	D-18-26 16BBB	616235	4282	31° 52' 32.3'' / 109° 42' 37.9''	200	200	W	S	Annually	11/30/04	166.8	4115.1	V		
315142109414201	D-18-26 21AAA		4278	31° 51' 41.5'' / 109° 41' 41.5''			U	U		12/17/04	190.8	4087.2	V		
315141109415901	D-18-26 21ABA	513705	4275	31° 51' 40.3'' / 109° 42' 3.1''	295	295	U	U		12/17/04	191.5	4083.5	V		
315130109423901	D-18-26 21DAA	606356	4271	31° 51' 15.1'' / 109° 41' 41.5''	900	900	W	I		12/17/04	222.9	4048.1	V		
315112109413901	D-18-26 22CAA		4280	31° 51' 15.5'' / 109° 41' 10.1''	135	135	U	U		12/17/04	225.7	4054.3	V		
315052109411001	D-18-26 22CDD	86641	4279	31° 50' 53.1'' / 109° 41' 10.2''	345	345	W	I		12/17/04	226.0	4053.0	V		
315045109410301	D-18-26 27ABA	604722	4285	31° 50' 49.6'' / 109° 40' 54.9''	400	400	U	U		12/17/04	229.4	4055.6	V		
315025109405601	D-18-26 27ACD	604723	4280	31° 50' 26.1'' / 109° 40' 57''	350	350	W	H		12/17/04	225.1	4054.9	V		
315007109411401	D-18-26 27CDA	617326	4276	31° 50' 7'' / 109° 41' 10.2''	380	380	U	U		12/17/04	223.9	4052.1	V		
314955109404101	D-18-26 27DDA	617327	4284	31° 50' 7.1'' / 109° 40' 39.4''	400	400	U	U		12/17/04	221.0	4063.0	V		
315042109414301	D-18-26 28AAA2		4268	31° 50' 45.4'' / 109° 41' 41.7''	390	390	W	H	Annually	11/30/04	223.0	4045.0	V		
315024109415701	D-18-26 28ACD	86643	4264	31° 50' 24'' / 109° 41' 57''	410	410	W	I		12/17/04	222.6	4041.4	V		
315025109415001	D-18-26 28ADC	506858	4266	31° 50' 25'' / 109° 41' 50''	402	402	W	I		12/17/04	222.9	4043.1	V		
314956109404501	D-18-26 34AAD	606653	4278	31° 49' 47.6'' / 109° 40' 39.6''	400	400	W	I		12/17/04	215.2	4062.8	V		
314925109394501	D-18-26 35DAA	606648	4301	31° 49' 31.5'' / 109° 39' 38.2''	400	400	W	I		12/10/04	229.4	4071.6	V		
314412109541601	D-19-24 36BCC		5195	31° 44' 14.1'' / 109° 51' 44.7''			U	U		12/08/04	22.0	5173.0	V		
314411109513801	D-19-24 36CBA	619136	5180	31° 44' 13.1'' / 109° 51' 44.2''	350	350	U	U		12/08/04	26.3	5153.7	V		
314351109511701	D-19-24 36CDD	616275	5118	31° 43' 51.4'' / 109° 51' 17''	41	41	W	S		12/08/04	26.5	5091.5	V		
314508109451601	D-19-25 25ACD2	613648	4298	31° 45' 4.5'' / 109° 44' 53.5''	830	830	U	U		12/08/04	260.9	4037.1	V		
314512109444401	D-19-25 25DAA	613645	4272	31° 45' 3.2'' / 109° 44' 34.6''	1200	1200	W	I		12/08/04	236.1	4035.9	V		
314447109484201	D-19-25 28CCB		4820	31° 44' 49'' / 109° 48' 42.1''			U	U		12/03/04	77.9	4742.1	V		
314454109500201	D-19-25 30DBD		5010	31° 44' 55.9'' / 109° 50' 1.3''			U	U		12/08/04	31.8	4978.2	V		
314809109433501	D-19-26 05CCC	625665	4275	31° 48' 9'' / 109° 43' 35''	568	568	W	I		12/09/04	245.2	4029.8	V		
314740109433301	D-19-26 08CBB	625661	4273	31° 47' 39.9'' / 109° 43' 33.4''	521	521	W	I		12/09/04	236.4	4036.6	V		
314807109420801	D-19-26 09BAA2	625652	4233	31° 48' 7.6'' / 109° 42' 9.9''	800	800	W	I		12/09/04	197.4	4035.6	V		
314806109423301	D-19-26 09BBB	625651	4237	31° 48' 7.9'' / 109° 42' 33.7''	515	515	U	U	Annually	11/30/04	198.6	4038.4	V		
314728109422001	D-19-26 09CCA	625653	4225	31° 47' 29.2'' / 109° 42' 18.2''	280	280	U	U		12/09/04	194.6	4030.4	V		
314753109410701	D-19-26 10BDA	622963	4258	31° 47' 55.4'' / 109° 41' 2.6''	600	600	U	U		12/16/04	218.0	4040.0	V		
314728109403501	D-19-26 10DDA	622964	4265	31° 47' 28'' / 109° 40' 35''	470	470	U	U		12/07/04	268.6	3996.4	V		
314746109395901	D-19-26 11ACB	618199	4290	31° 47' 51.6'' / 109° 39' 59.7''	735	735	U	U		12/07/04	258.9	4031.1	V		
314747109393401	D-19-26 11ADD	618198	4308	31° 47' 42'' / 109° 39' 30''	425	425	W	S		12/07/04	283.0	4025.0	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314719109395701	D-19-26 11CDD	618200	4290	31° 47' 16.3'' / 109° 39' 58.1''	725	725	W	S		12/07/04	291.3	3998.7	V		
314718109393101	D-19-26 11DDD	618197	4310	31° 47' 19.2'' / 109° 39' 27.7''	415	415	U	U		12/07/04	298.8	4011.2	V		
314654109392901	D-19-26 14ADD	618196	4315	31° 46' 50.4'' / 109° 39' 25.2''	602	602	U	U		12/07/04	336.8	3978.2	V		
314634109400001	D-19-26 14CDA	618202	4294	31° 46' 35'' / 109° 39' 55''	551	551	W	I		12/16/04	319.8	3974.2	V		
314627109392601	D-19-26 14DDD	618195	4315	31° 46' 26'' / 109° 39' 22.9''	490	490	W	I		12/07/04	347.4	3967.6	V		
314635109410001	D-19-26 15CDA	625668	4253	31° 46' 35.8'' / 109° 40' 56.1''			W	I		12/07/04	272.8	3980.2	V		
314715109430101	D-19-26 17ABB	612140	4230	31° 47' 15'' / 109° 43' 1''	330	330	W	I		12/09/04	201.5	4028.5	V		
314713109432901	D-19-26 17BBB	612141	4255	31° 47' 12.4'' / 109° 43' 27.9''	335	335	W	I		12/09/04	226.3	4028.7	V		
314628109432701	D-19-26 17CCC	625323	4239	31° 46' 28.1'' / 109° 43' 27.1''	539	539	U	U		12/09/04	208.0	4031.0	V		
314619109402601	D-19-26 22AAA	618182	4273	31° 46' 22.6'' / 109° 40' 24''	705	705	W	I		12/07/04	298.2	3974.8	V		
314542109403501	D-19-26 22DAD	618185	4266	31° 45' 46.8'' / 109° 40' 20.4''	836	836	W	I		12/08/04	296.0	3970.0	V		
314542109403601	D-19-26 22DDB	618184	4261	31° 45' 42.8'' / 109° 40' 27.4''	842	842	U	U		12/08/04	292.9	3968.1	V		
314557109392401	D-19-26 23DAA	618189	4300	31° 45' 56.7'' / 109° 39' 20.1''	400	400	W	H	Annually	11/30/04	345.1	3954.9	V		
314620109385401	D-19-26 24BAA		4335	31° 46' 18'' / 109° 38' 51.4''	668	668	U	U		12/07/04	292.8	4042.2	V		
314528109382001	D-19-26 25AAA	603906	4315	31° 45' 30.3'' / 109° 38' 15.7''	575	575	U	U		12/07/04	286.8	4028.2	V		
314504109381301	D-19-26 25DAA	612283	4321	31° 45' 4.1'' / 109° 38' 13.8''	565	565	W	I		12/08/04	282.8	4038.2	V		
314502109384801	D-19-26 25DBB	612282	4302	31° 45' 4'' / 109° 38' 43.4''	550	550	W	I		12/08/04	268.0	4034.0	V		
314528109391801	D-19-26 26AAA		4291	31° 45' 24.8'' / 109° 39' 16.9''	600	600	U	U		12/08/04	325.9	3965.1	V		
314529109394801	D-19-26 26BAA	618203	4274	31° 45' 30.2'' / 109° 39' 46.5''	600	600	W	I		12/08/04	309.7	3964.3	V		
314526109402201	D-19-26 27AAA	618190	4255	31° 45' 29.4'' / 109° 40' 19.4''	930	930	W	I		12/08/04	286.9	3968.1	V		
314506109402101	D-19-26 27ADD	618191	4250	31° 45' 5.1'' / 109° 40' 17.4''	839	839	W	I		12/08/04	280.1	3969.9	V		
314520109412101	D-19-26 28AAD		4218	31° 45' 18.4'' / 109° 41' 19.6''	302	302	U	U		12/08/04	244.3	3973.7	V		
314502109422101	D-19-26 29DAA	604302	4190	31° 45' 3.9'' / 109° 42' 19.8''	300	300	U	U		12/08/04	206.6	3983.4	V		
314437109424501	D-19-26 32BAA		4181	31° 44' 37.4'' / 109° 42' 47.3''			U	U		12/07/04	186.1	3994.9	V		
314358109414801	D-19-26 33CDA		4189	31° 43' 55'' / 109° 41' 43''	252	252	W	H	Annually	11/29/04	163.5	4025.4	V		
314348109414501	D-19-26 33CDD	800189	4184	31° 43' 51'' / 109° 41' 43.1''	600	600	W	I		12/07/04	207.0	3977.0	V		
314355109411701	D-19-26 33DDA1	610840	4200	31° 43' 55'' / 109° 41' 14''	525	525	U	U		12/07/04	222.5	3977.5	V		
314359109401501	D-19-26 34DAA	605464	4233	31° 44' 10.7'' / 109° 40' 12.6''	600	600	W	I		12/07/04	259.7	3973.3	V		
314434109391601	D-19-26 35AAA	618914	4273	31° 44' 38'' / 109° 39' 13''	500	500	W	I		12/07/04	297.4	3975.6	V		
314434109394601	D-19-26 35BAA	618915	4254	31° 44' 38'' / 109° 39' 44''	520	520	W	I		12/07/04	285.5	3968.5	V		
314410109394401	D-19-26 35CAA	618917	4240	31° 44' 11'' / 109° 39' 41''	510	510	W	I		12/07/04	274.4	3965.6	V		
314410109391501	D-19-26 35DAA	618916	4265	31° 44' 14'' / 109° 39' 11''	507	507	W	I		12/07/04	287.7	3977.3	V		
314435109381501	D-19-26 36AAA	618910	4318	31° 44' 37'' / 109° 38' 12''	460	460	W	I		12/07/04	273.1	4044.9	V		
314420109381101	D-19-26 36ADA	510230	4306	31° 44' 17.9'' / 109° 38' 8.5''	80	80	U	U		12/07/04	61.9	4244.1	V		
314409109381401	D-19-26 36DAA	618912	4302	31° 44' 11'' / 109° 38' 9''	460	460	W	I		12/07/04	259.5	4042.5	V		

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SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314740109442301	D-19-26E07CAB	625662	4328	31° 47' 42'' / 109° 44' 21''	600	600	W	S		12/09/04	289.3	4038.7	V		
314550109433301	D-19-26E19DAD		4232	31° 45' 50.1'' / 109° 43' 32.8''			U	U		12/09/04	208.2	4023.8	V		
314600109435601	D-19-26E19DBB		4260	31° 45' 55.5'' / 109° 43' 55.4''	300	300	W	I		12/09/04	229.8	4030.2	V		
314549109435501	D-19-26E19DBC		4259	31° 45' 49.7'' / 109° 43' 54.7''	415	415	W	I		12/09/04	230.6	4028.4	V		
314543109435501	D-19-26E19DCB1		4254	31° 45' 42.6'' / 109° 43' 54.6''	178	178	W	I		12/09/04	230.3	4023.7	V		
314349109441301	D-19-26E31CCC		4216	31° 43' 49'' / 109° 44' 13''			U	U		12/09/04	168.5	4047.5	V		
314410109434601	D-19-26E31DBB		4202	31° 44' 11.1'' / 109° 43' 44.3''			U	U		12/09/04			V	O	
314902109414701	D-19-26N04DDD	613840	4254	31° 49' 5'' / 109° 41' 44''	650	650	W	I		12/10/04	208.2	4045.8	V		
314848109391601	D-19-26S01BAD		4315	31° 48' 52.2'' / 109° 39' 5.6''	435	435	W	I		12/10/04	249.4	4065.6	V		
314834109390401	D-19-26S01BDD		4316	31° 48' 34.6'' / 109° 39' 3.3''	270	270	W	H		12/10/04	259.8	4056.2	V	R	
314820109400001	D-19-26S02CDA	619229	4283	31° 48' 20.8'' / 109° 40' 4.1''	425	425	U	U		12/10/04	231.0	4052.0	V		
314835109393701	D-19-26S02DAA		4297	31° 48' 33.6'' / 109° 39' 35.2''	417	417	W	H		12/10/04	231.9	4065.1	V		
314810109393601	D-19-26S02DDD	619230	4305	31° 48' 8.5'' / 109° 39' 32.6''	570	570	U	U		12/07/04	244.7	4060.3	V		
314820109410701	D-19-26S03CDA		4255	31° 48' 20.1'' / 109° 41' 5''	518	518	W	I		12/10/04	210.4	4044.6	V		
314827109404301	D-19-26S03DDD		4267	31° 48' 13'' / 109° 40' 34.2''	417	417	U	U		12/10/04	222.8	4044.2	V		
314836109433801	D-19-26S05CBB	625666	4285	31° 48' 29'' / 109° 43' 39''	600	600	W	I		12/09/04	250.3	4034.7	V		
314833109431001	D-19-26S05DBB	625657	4266	31° 48' 34.8'' / 109° 43' 8.4''	400	400	W	I		12/09/04	227.9	4038.1	V		
314521109371401	D-19-27 30AAD	603890	4375	31° 45' 20.5'' / 109° 37' 14.3''	865	865	U	U		12/02/04	322.5	4052.5	V		
314507109371401	D-19-27 30ADD	603889	4372	31° 45' 7.8'' / 109° 37' 13.4''	678	678	U	U		12/02/04	320.3	4051.7	V		
314411109371201	D-19-27 31DAA		4340	31° 44' 10.4'' / 109° 37' 8.7''	600	600	U	U		12/02/04	211.7	4128.3	V		
314316109504301	D-20-24 01DBA	619138	4990	31° 43' 16.1'' / 109° 50' 45.1''	130	130	W	S		12/08/04	44.3	4945.7	V		
314206109522701	D-20-24 10DDD	641453	4893	31° 42' 5.4'' / 109° 52' 26.2''	42	42	W	S		12/08/04	21.7	4871.3	V		
314225109512801	D-20-24 11ADD	641449	4900	31° 42' 24.4'' / 109° 51' 31.3''	150	150	U	U		12/08/04	40.6	4859.4	V		
314051109510001	D-20-24 24BDB	641452	4680	31° 40' 51.2'' / 109° 51' 1.2''	400	400	W	S		12/08/04	202.0	4478.0	V		
313953109513001	D-20-24 26ADD	641454	4642	31° 39' 53.9'' / 109° 51' 30.8''	300	300	W	S		12/08/04			V	O	
313851109511601	D-20-24 36CBC	641457	4550	31° 38' 49.3'' / 109° 51' 22.3''	435	435	W	S		12/08/04	264.9	4285.1	V		
314312109485901	D-20-25 05CAC	625603	4740	31° 43' 13.3'' / 109° 48' 58.1''	40	40	U	U		12/08/04	27.8	4712.2	V		
314225109475401	D-20-25 09CAA	633787	4559	31° 42' 26.9'' / 109° 47' 54''	465	465	W	S	Annually	11/30/04	243.6	4315.6	V		
314232109444401	D-20-25 12ACA		4210	31° 42' 32'' / 109° 44' 44''			W	I		12/09/04	158.9	4051.1	V		
314231109443001	D-20-25 12ADD		4192	31° 42' 31'' / 109° 44' 30''			W	I		12/09/04	147.2	4044.8	V		
314131109451401	D-20-25 13CBB	622543	4242	31° 41' 31.4'' / 109° 45' 15.4''	653	653	U	U		12/09/04	187.9	4054.1	V		
314158109451901	D-20-25 14AAA1	622542	4250	31° 42' 58.3'' / 109° 45' 20.3''	700	700	W	I		12/09/04	205.4	4044.6	V		
314153109451701	D-20-25 14AAA2		4248	31° 41' 53.4'' / 109° 45' 20.4''			W	H		12/09/04			V	O	
314149109492201	D-20-25 18AAD		4678	31° 41' 52.7'' / 109° 49' 25.8''			U	U		12/08/04	62.1	4615.9	V		

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SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314121109492101	D-20-25 18DDA		4600	31° 41' 19.3'' / 109° 49' 14.5''			W	S		12/08/04	16.9	4583.1	V		
314107109502201	D-20-25 19BBB	619122	4651	31° 41' 5.7'' / 109° 50' 20.4''	85	85	U	U		12/08/04	40.7	4610.3	V		
314104109451301	D-20-25 24BBB	622544	4215	31° 41' 6.8'' / 109° 45' 15''	561	561	U	U		12/09/04	166.1	4048.9	V		
314039109451301	D-20-25 24CBB	622545	4205	31° 40' 40'' / 109° 45' 15.4''	623	623	U	U		12/09/04	156.6	4048.4	V		
314012109451301	D-20-25 25BBB	622546	4190	31° 40' 12.7'' / 109° 45' 15.3''	605	605	U	U		12/09/04	144.2	4045.8	V		
313948109451301	D-20-25 25CBB	622547	4178	31° 39' 46.1'' / 109° 45' 15.5''	648	648	U	U		12/09/04	125.7	4052.3	V		
314342109391001	D-20-26 02AAA	618613	4257	31° 43' 45'' / 109° 39' 8''	506	506	W	I		12/07/04	277.7	3979.3	V		
314316109394501	D-20-26 02CAA	611926	4226	31° 43' 19'' / 109° 39' 40''	540	540	W	I		12/08/04	249.2	3976.8	V		
314315109391501	D-20-26 02DAA	618612	4243	31° 43' 19'' / 109° 39' 9''	534	534	W	I		12/07/04	243.8	3999.2	V		
314304109393601	D-20-26 02DCB		4218	31° 43' 0'' / 109° 39' 33''	450	450	U	U		12/08/04	224.3	3993.7	S		
314336109401101	D-20-26 03AAD2		4219	31° 43' 36'' / 109° 40' 11''			W	I		12/08/04	243.4	3975.6	V		
314250109421501	D-20-26 08AAA	607555	4161	31° 42' 53'' / 109° 42' 14''	500	500	U	U		12/09/04	150.7	4010.3	V		
314238109401301	D-20-26 10ADA	801655	4191	31° 42' 38.3'' / 109° 40' 13.1''	750	750	W	I		12/08/04	179.3	4011.7	V		
314224109391001	D-20-26 11DAA		4209	31° 42' 24'' / 109° 39' 10''			U	U		12/08/04	150.9	4058.1	V		
314158109381001	D-20-26 13AAA	607999	4231	31° 42' 0'' / 109° 38' 7''	618	618	U	U		12/08/04	168.2	4062.8	V		
314133109380901	D-20-26 13DAA	610896	4209	31° 41' 33'' / 109° 38' 9''	190	190	W	H		12/08/04	148.8	4060.2	V		
314110109384101	D-20-26 13DCC		4191	31° 41' 10'' / 109° 38' 37''	330	330	U	U		12/08/04	131.8	4059.2	V		
314158109401501	D-20-26 15AAA	603836	4173	31° 41' 59'' / 109° 40' 11''	650	650	U	U		12/08/04	154.4	4018.6	V		
314158109411501	D-20-26 16AAA1	627059	4166	31° 41' 58'' / 109° 41' 13.1''			U	U		12/07/04	143.3	4022.7	V		
314155109411401	D-20-26 16AAA2		4165	31° 41' 55'' / 109° 41' 14''			U	U		12/07/04	142.9	4022.1	S		
314145109411301	D-20-26 16ADA		4158	31° 41' 45'' / 109° 41' 13''			U	U		12/07/04	127.2	4030.8	S		
314159109421601	D-20-26 17AAA	86605	4150	31° 41' 59'' / 109° 42' 16''	210	210	W	H		12/09/04	104.5	4045.5	S		
314139109430401	D-20-26 17BDC	617290	4137	31° 41' 34.4'' / 109° 42' 59.3''	203	203	W	H	Annually	11/29/04	78.1	4058.9	V		
314106109412201	D-20-26 21AAB		4143	31° 41' 6'' / 109° 41' 22''			U	U		12/07/04	92.8	4050.2	V		
314039109411301	D-20-26 21DAA	628916	4139	31° 40' 40'' / 109° 41' 12.8''	131	131	U	U		12/08/04	86.4	4052.6	V		
314105109405301	D-20-26 22BBA2		4150	31° 41' 6'' / 109° 40' 58''	374	374	U	U		12/08/04	99.9	4050.1	V		
313941109390601	D-20-26 25CBC	600023	4158	31° 39' 41'' / 109° 39' 6.9''	300	300	W	H	Annually	11/29/04	115.0	4043.0	V		
314014109411101	D-20-26 27BBB2	525769	4133	31° 40' 13.3'' / 109° 41' 10.8''	151	151	W	H		12/08/04	78.6	4054.4	V		
314001109411201	D-20-26 28ADA		4128	31° 40' 0.6'' / 109° 41' 12.5''			U	U		12/08/04	78.5	4049.5	V		
313946109411201	D-20-26 28DAA		4128	31° 39' 45.7'' / 109° 41' 12''			U	U		12/08/04	78.3	4049.7	V		
313919109411501	D-20-26 33AAA		4123	31° 39' 17'' / 109° 41' 12.5''	150	150	U	U		12/08/04	87.8	4035.2	V		
313833109415401	D-20-26 33CDC2		4108	31° 38' 33'' / 109° 41' 52.9''			W	H		12/08/04	75.7	4032.3	V		
313857109411301	D-20-26 33DAA	633802	4124	31° 38' 55.4'' / 109° 41' 12.2''	340	340	U	U		12/08/04	86.8	4037.2	V		
313848109411401	D-20-26 33DAD		4120	31° 38' 46.5'' / 109° 41' 12''	150	150	U	U		12/08/04	87.9	4032.1	V		
313913109404701	D-20-26 34BAD		4130	31° 39' 12.8'' / 109° 40' 41''	460	460	U	U		12/08/04	93.5	4036.5	V		
313919109405801	D-20-26 34BBA	633796	4127	31° 39' 21.7'' / 109° 40' 57.9''	320	320	U	U		12/08/04	86.0	4041.0	V		
313919109393801	D-20-26 35BAA	629016	4148	31° 39' 21'' / 109° 39' 41.6''	400	400	W	I		12/09/04	104.7	4043.3	V		
314343109361801	D-20-27 05ABA	603901	4345	31° 43' 43'' / 109° 36' 18''	623	623	U	U		12/02/04	230.9	4114.1	V		
314341109364001	D-20-27 05BAA	603897	4340	31° 43' 44'' / 109° 36' 36''	803	803	U	U		12/02/04	253.2	4086.8	V		
314315109364001	D-20-27 05CAA	603898	4310	31° 43' 18'' / 109° 36' 40''	637	637	U	U		12/02/04	223.4	4086.6	V		
314341109370901	D-20-27 06AAA		4334	31° 43' 44'' / 109° 37' 5''	400	400	W	I		12/02/04			V	O	
314229109362801	D-20-27 08ACC	620393	4282	31° 42' 29'' / 109° 36' 28''	301	301	W	H		11/30/04	203.6	4078.4	V		
314212109363901	D-20-27 08CDA	606712	4260	31° 42' 11'' / 109° 36' 39''	300	300	W	H		11/30/04	187.2	4072.8	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314159109370101	D-20-27 17BBB		4241	31° 41' 59.1'' / 109° 37' 0.7''			W	H		11/30/04	171.7	4069.3	V		
314110109364801	D-20-27 17CCD2	632895	4235	31° 41' 10'' / 109° 36' 48''	300	300	W	H		11/30/04	172.6	4062.4	V		
314132109375001	D-20-27 18CAB	607998	4214	31° 41' 32'' / 109° 37' 50''	280	280	U	U		12/08/04	148.8	4065.2	V		
314126109374101	D-20-27 18CDA	607997	4209	31° 41' 21'' / 109° 37' 37''	600	600	U	U		12/08/04	147.0	4062.0	V		
314132109373601	D-20-27 18DBB	613938	4218	31° 41' 32'' / 109° 37' 36''	450	450	U	U		12/08/04	150.7	4067.3	V		
314105109370701	D-20-27 19AAA	613942	4218	31° 41' 7'' / 109° 37' 6''	300	300	U	U		11/30/04	154.9	4063.4	V		
313945109360801	D-20-27 29ADD	623706	4280	31° 39' 49.2'' / 109° 36' 4.6''	485	485	W	S		12/10/04	212.5	4067.5	V		
314011109373801	D-20-27 30BAA	623715	4190	31° 40' 13.8'' / 109° 37' 36.7''	700	700	U	U		12/09/04	127.0	4063.0	V		
314001109373701	D-20-27 30BAD	623707	4186	31° 40' 1'' / 109° 37' 36.7''	414	414	U	U		12/09/04	127.2	4058.8	V		
313947109374001	D-20-27 31BAA		4190	31° 39' 21.5'' / 109° 37' 37.4''			U	U		12/09/04	129.5	4060.5	V		
313900109374201	D-20-27 31BDD	623718	4194	31° 38' 58'' / 109° 37' 36.2''	720	720	U	U		12/09/04	135.7	4058.3	V		
313814109390301	D-21-26 01ACA2		4170	31° 38' 13'' / 109° 39' 1.4''			U	U		12/08/04	137.4	4032.6	V		
313819109395001	D-21-26 02AAD2	802775	4147	31° 38' 19.5'' / 109° 39' 49.6''	396	396	W	H		12/08/04	115.6	4031.4	V		
313826109402301	D-21-26 02BAA		4130	31° 38' 29.1'' / 109° 40' 21''	124.5	124.5	U	U	Annually	11/29/04	101.9	4028.1	V		
313802109402101	D-21-26 02CAA		4135	31° 38' 2.1'' / 109° 40' 21.7''			U	U		12/08/04	116.0	4019.0	V		
313740109403801	D-21-26 02CCD	609654	4141	31° 37' 45.5'' / 109° 40' 34''	387	387	W	I	Annually	11/29/04	127.8	4013.2	V		
313740109394901	D-21-26 02DDD		4162	31° 37' 40.8'' / 109° 39' 55.3''	601	601	U	U		12/08/04	143.5	4018.5	V		
313648109445301	D-21-26 07CCB	606358	4110	31° 36' 52.2'' / 109° 44' 54.4''	745	745	W	I		11/30/04	60.3	4049.7	V		
313709109415501	D-21-26 09DAA	608665	4106	31° 37' 12.6'' / 109° 41' 51.6''	630	630	W	I		11/30/04	108.4	3997.6	V		
313710109405101	D-21-26 10ADD	621040	4132	31° 37' 15'' / 109° 40' 51''	150	150	W	H		12/02/04	134.6	3997.4	V		
313558109393701	D-21-26 13CCD	602367	4182	31° 35' 59.5'' / 109° 39' 36.5''	350	350	W	P		12/07/04	176.9	4005.1	V		
313603109390601	D-21-26 13DCA	638799	4197	31° 36' 2'' / 109° 39' 6.7''	352	352	W	P		12/07/04	185.8	4011.2	V		
313641109412101	D-21-26 15BAA		4115	31° 36' 40.4'' / 109° 41' 20.4''	218	218	W	S		12/03/04	132.4	3982.6	V		
313555109413501	D-21-26 15CCD		4114	31° 35' 54'' / 109° 41' 35.1''			W	H		11/30/04	132.1	3981.9	V		
313643109415701	D-21-26 16AAA	625719	4102	31° 36' 41.7'' / 109° 41' 51.1''	442	442	W	I		11/30/04	115.6	3986.4	V		
313618109422601	D-21-26 16CAA	608662	4092	31° 36' 17.1'' / 109° 42' 22.1''	665	665	W	I		11/30/04	109.7	3982.3	V		
313618109415401	D-21-26 16DAA	625720	4103	31° 36' 20.4'' / 109° 41' 51.7''	529	529	W	I		11/30/04	123.9	3979.1	V		
313558109435301	D-21-26 17CCC2		4077	31° 35' 58'' / 109° 43' 53''			W	H		11/30/04	55.2	4021.8	V		
313630109443001	D-21-26 18ACB	606360	4094	31° 36' 31.9'' / 109° 44' 24.7''	660	660	U	U		11/30/04	60.2	4033.8	V		
313617109445401	D-21-26 18CBB	607947	4118	31° 36' 17.4'' / 109° 44' 54.3''	712	712	U	H		12/01/04	74.9	4043.1	V		
313541109445501	D-21-26 19BBC1		4114	31° 35' 40.6'' / 109° 44' 54.5''	248	248	W	I		12/02/04	85.6	4028.4	V		
313528109445301	D-21-26 19BCC2		4118	31° 35' 28'' / 109° 44' 54''	192	192	W	H	none	12/02/04	93.8	4024.2	V		
313529109444401	D-21-26 19BCD		4108	31° 35' 27.2'' / 109° 44' 43.1''	210	210	W	I		12/02/04	85.6	4022.4	V		
313521109445501	D-21-26 19CBB		4114	31° 35' 22'' / 109° 44' 55''	200	200	W	I		12/02/04	61.9	4052.1	V		
313533109423801	D-21-26 21BCA	628028	4082	31° 35' 33.6'' / 109° 42' 37.7''	197	197	U	U		12/10/04	71.3	4010.7	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313600109405301	D-21-26 22AAA	800414	4136	31° 35' 54.1'' / 109° 40' 55''	1000	1000	U	U		12/07/04	150.7	3985.3	V		
313551109400901	D-21-26 23ABA		4158	31° 35' 48.7'' / 109° 40' 10.6''	564	564	U	U		12/07/04	170.0	3988.0	V		
313522109401101	D-21-26 23DBB	618310	4159	31° 35' 20.9'' / 109° 40' 10.7''	496	496	U	U		12/07/04	173.8	3985.2	V		
313550109392001	D-21-26 24ABB	632767	4196	31° 35' 51.4'' / 109° 39' 15.4''	180	180	W	I	Annually	12/01/04	190.4	4005.6	V		
313434109402001	D-21-26 26CAA	618312	4150	31° 34' 34.7'' / 109° 40' 19''	320	320	U	U		12/08/04	173.8	3976.2	V		
313417109395201	D-21-26 26DDA	641722	4168	31° 34' 18.4'' / 109° 39' 49.2''	308	308	W	H		12/08/04	193.0	3975.0	V		
313420109412101	D-21-26 27CDA		4116	31° 34' 20.8'' / 109° 41' 21.2''			U	U		12/06/04	133.0	3983.0	V		
313412109412601	D-21-26 27CDD		4113	31° 34' 12.8'' / 109° 41' 25.7''			U	U		12/06/04	130.2	3982.8	V		
313409109405001	D-21-26 27DDD	618306	4132	31° 34' 9.3'' / 109° 40' 49.5''	305	305	U	U		12/07/04	156.1	3975.9	V		
313442109415201	D-21-26 28ADA	609283	4098	31° 34' 42'' / 109° 41' 52''	450	450	U	U		12/02/04	118.1	3979.9	V		
313441109425301	D-21-26 29ADD		4070	31° 34' 39.1'' / 109° 42' 53.1''			U	U		12/07/04	60.9	4009.1	V		
313420109425801	D-21-26 29DDD	606571	4068	31° 34' 14.2'' / 109° 42' 53''	125	125	U	U		12/07/04	59.1	4008.9	V		
313438109443801	D-21-26 30BDC	620759	4095	31° 34' 38'' / 109° 44' 40''	480	480	W	I		12/02/04	84.8	4010.2	V		
313418109445301	D-21-26 30CCB1	608655	4099	31° 34' 17.3'' / 109° 44' 54.4''	515	515	W	I		12/03/04	84.2	4014.8	V		
313410109444201	D-21-26 30CCD	608657	4090	31° 34' 8.8'' / 109° 44' 40.1''	685	685	W	I		12/03/04	77.8	4012.2	V		
313408109435501	D-21-26 31AAA	507101	4065	31° 34' 8.7'' / 109° 43' 55.1''	200	200	W	I		12/03/04	53.9	4011.1	V		
313343109442301	D-21-26 31ACC	608659	4078	31° 33' 42.8'' / 109° 44' 23.2''	192	192	W	I		12/03/04	69.7	4008.3	V		
313406109445401	D-21-26 31BBB	608656	4100	31° 34' 4.6'' / 109° 44' 52.4''	215	215	W	I		12/03/04	84.5	4015.5	V		
313322109442201	D-21-26 31DCC		4086	31° 33' 21.9'' / 109° 44' 23.1''			W	I		12/03/04	72.3	4013.7	V		
313343109425401	D-21-26 32ADD	602708	4074	31° 33' 43'' / 109° 42' 53.2''	260	260	W	H		12/06/04	67.9	4006.1	V		
313332109430001	D-21-26 32DAD	602706	4077	31° 33' 34.09'' / 109° 42' 53.63''	400	400	U	U	Transducer	12/01/04	71.3	4005.9	V		
313327109425401	D-21-26 32DDA		4073	31° 33' 27'' / 109° 42' 54''			U	U		12/06/04			V	O	
313335109324001	D-21-26 33CBA		4082	31° 33' 35.9'' / 109° 42' 40.1''			W	I		12/07/04	101.8	3980.2	V		
313339109413501	D-21-26 34CBA	606469	4104	31° 33' 40'' / 109° 41' 35.5''	505	505	U	U		12/10/04	127.2	3976.8	V		
313405109385001	D-21-26 36AAA	625326	4212	31° 34' 7.8'' / 109° 38' 47.2''	640	640	U	U		12/09/04	231.3	3980.7	V		
313403109392201	D-21-26 36BAA	625327	4189	31° 34' 7.8'' / 109° 39' 19.6''	850	850	U	U		12/09/04	212.3	3976.7	V		
313339109392401	D-21-26 36CAA	625329	4189	31° 33' 41.6'' / 109° 39' 18.5''	900	900	U	U		12/09/04	216.2	3972.8	S		
313339109385201	D-21-26 36DAA	625325	4208	31° 33' 41.7'' / 109° 38' 47.3''	900	900	U	U		12/09/04	232.9	3975.1	V		
313827109361401	D-21-27 04BAA		4275	31° 38' 27.9'' / 109° 36' 13''			W	S		12/10/04	196.9	4078.1	V		
313816109374501	D-21-27 06ADA	618341	4208	31° 38' 15.6'' / 109° 37' 45.1''	930	930	U	U		12/09/04	159.7	4048.3	V		
313720109381701	D-21-27 07BDA		4218	31° 37' 22.7'' / 109° 38' 15.8''	588	588	U	U		12/02/04	181.1	4036.9	V		
313649109374901	D-21-27 07DDD		4243	31° 36' 47.4'' / 109° 37' 46.5''	650	650	U	U		12/02/04	207.1	4035.9	V		
313704109372801	D-21-27 08CAA		4252	31° 37' 12'' / 109° 37' 16.3''	700	700	U	U		12/02/04	211.8	4040.2	V		
313706109361201	D-21-27 09DBB	616388	4302	31° 37' 8'' / 109° 36' 12''	271	271	U	U		12/02/04	250.9	4051.1	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313610109371901	D-21-27 17CAD		4274	31° 36' 10.2'' / 109° 37' 15.6''	520	520	U	U		12/02/04	240.1	4033.9	V		
313631109381901	D-21-27 18BDA		4225	31° 36' 28.3'' / 109° 38' 16.4''	700	700	U	U		12/02/04	201.4	4023.6	V		
313558109382001	D-21-27 18CDD		4233	31° 35' 55.8'' / 109° 38' 16.5''	700	700	W	S		12/02/04	213.2	4019.8	V		
313534109362101	D-21-27 21BDB	573278	4325	31° 35' 34.5'' / 109° 36' 21.4''	420	420	W	H		11/29/04	361.4	3963.6	V	Z	WATER LEVEL IS CONSISTENT WITH PUMPING OR RECENTLY PUMPING.
313522109355601	D-21-27 21DAB	580544	4350	31° 35' 21.6'' / 109° 35' 55.7''	300	300	W	H		11/29/04	216.5	4133.5	V		
313550109344301	D-21-27 22AAA		4398	31° 35' 46.4'' / 109° 34' 45.5''			U	U		11/30/04	107.3	4290.7	V		
313512109341601	D-21-27 23CDD		4410	31° 35' 7.8'' / 109° 34' 12.1''			U	U		11/30/04	87.8	4322.2	V		
313508109334801	D-21-27 23DDB		4433	31° 35' 8.1'' / 109° 33' 48.6''			W	H		11/30/04	66.3	4366.7	V		
313454109343901	D-21-27 26BBC1	644067	4384	31° 34' 52'' / 109° 34' 38.4''			U	U		11/30/04	63.7	4320.3	V		
313450109343201	D-21-27 26BBD	644066	4395	31° 34' 51.8'' / 109° 34' 32.1''			U	U		11/30/04	69.3	4325.7	V		
313413109364201	D-21-27 28CCC	624489	4295	31° 34' 12'' / 109° 36' 41''			U	U		11/29/04			V	O	
313338109381901	D-21-27 31CAA	625322	4225	31° 33' 41.1'' / 109° 38' 17.5''	900	900	U	U		12/09/04	239.2	3985.8	V		
313340109374801	D-21-27 31DAA	625321	4245	31° 33' 41.5'' / 109° 37' 46.5''	798	798	U	U		12/09/04	255.2	3989.8	V		
313353109363401	D-21-27 33BCA	624483	4295	31° 33' 57'' / 109° 36' 22.9''	346	346	U	U		11/29/04	266.5	4028.5	V		
313318109353801	D-21-27 34CCC	616401	4292	31° 33' 17.7'' / 109° 35' 40''	245	245	U	U	Annually	12/01/04	219.3	4072.7	V		
313610109320501	D-21-28E18CAC	624685	4510	31° 36' 0.7'' / 109° 32' 9.4''	215	215	W	S		12/01/04	139.7	4370.3	V		
313459109323601	D-21-28W19DDD1		4520	31° 34' 59.4'' / 109° 32' 34.5''	80	80	U	U		12/01/04	54.3	4465.7	V		
313500109323501	D-21-28W19DDD2	643786	4520	31° 34' 59.4'' / 109° 32' 34.6''	92	92	U	U		12/01/04	53.8	4466.2	V		
313107109461601	D-22-25 14ADD2		4125	31° 31' 5.8'' / 109° 46' 4''			U	U	Annually	12/01/04	103.0	4022.0	V		
313310109392301	D-22-26 01BAA	803489	4185	31° 33' 15.1'' / 109° 39' 17.6''	597	597	U	U		12/09/04	216.1	3968.9	V		
313217109392001	D-22-26 01CDD	607543	4163	31° 32' 23.1'' / 109° 39' 22.7''	600	600	U	U		12/08/04	203.3	3959.7	V		
313310109395501	D-22-26 02AAA	607540	4165	31° 33' 14.9'' / 109° 39' 51.1''	617	617	W	H	Annually	12/01/04	199.3	3965.7	V		
313247109401901	D-22-26 02CAA	606470	4143	31° 32' 46.6'' / 109° 40' 18.8''	500	500	W	I		12/15/04	177.5	3965.5	V		
313224109403401	D-22-26 02CDC	606471	4128	31° 32' 24.2'' / 109° 40' 34.2''	1000	1000	W	I		12/15/04	165.2	3962.8	V		
313230109402001	D-22-26 02CDD		4135	31° 32' 29.6'' / 109° 40' 19.9''	400	400	U	U		12/15/04	170.3	3964.7	V		
313244109415901	D-22-26 04DAA2		4095	31° 32' 44'' / 109° 41' 52''	351	351	U	U		12/01/04			V	W	
313242109415501	D-22-26 04DAD		4095	31° 32' 41.4'' / 109° 41' 52.8''	275	275	W	H	Annually	12/01/04	115.0	3980.0	V		
313219109415301	D-22-26 09AAA		4090	31° 32' 19.1'' / 109° 41' 52.1''			U	U		12/10/04	122.2	3967.8	V		
313211109415201	D-22-26 09AAD2		4090	31° 32' 8.2'' / 109° 41' 51.1''			U	U		12/10/04	93.2	3996.8	V		
313212109415601	D-22-26 09AAD3		4087	31° 32' 11.3'' / 109° 41' 57.1''			W	H		12/10/04	93.0	3994.0	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313156109414501	D-22-26 10CBB	606463	4090	31° 31' 56.8'' / 109° 41' 45.2''	250	250	W	H		12/09/04	90.1	3999.9	V		
313126109385401	D-22-26 13AAB	622578	4142	31° 31' 30.3'' / 109° 38' 54.3''	517	517	U	U		12/07/04	188.6	3953.4	V		
313126109385401	D-22-26 13AAB	622578	4142	31° 31' 30.3'' / 109° 38' 54.3''	517	517	U	U		12/07/04	188.6	3953.4	V		
313125109392001	D-22-26 13BAA	622577	4126	31° 31' 30.6'' / 109° 39' 17.3''	508	508	U	U		12/07/04	174.9	3951.1	V		
313104109391801	D-22-26 13CAA		4116	31° 31' 4.2'' / 109° 39' 17.9''			U	U		12/08/04	160.2	3955.8	V		
313039109384901	D-22-26 13DDD		4115	31° 30' 38.3'' / 109° 38' 46.6''			U	U		12/08/04	166.1	3948.9	V		
313126109395001	D-22-26 14AAA	622576	4123	31° 31' 30.7'' / 109° 39' 48.3''	510	510	U	U		12/07/04	158.8	3964.2	V		
313128109402801	D-22-26 14BAA	622575	4113	31° 31' 31.2'' / 109° 40' 18.8''	482	482	U	U		12/07/04	150.8	3962.2	V		
313058109404401	D-22-26 14CBC1		4082	31° 30' 57.3'' / 109° 40' 46.1''			U	U		12/08/04	107.9	3974.1	V		
313059109404301	D-22-26 14CBC2		4082	31° 30' 58.3'' / 109° 40' 44.1''			W	S		12/08/04	109.8	3972.2	V		
313104109401201	D-22-26 14DBB		4098	31° 31' 4.3'' / 109° 40' 11.8''			U	U		12/08/04	139.3	3958.7	V		
313131109414401	D-22-26 15BBA		4082	31° 31' 31'' / 109° 41' 44''			U	U		12/17/04	89.7	3992.3	V		
313115109412101	D-22-26 15BDA		4083	31° 31' 15'' / 109° 41' 21''			U	U		12/17/04	110.9	3972.1	V		
313101109412701	D-22-26 15CBA	623075	4071	31° 31' 3'' / 109° 41' 35''	400	400	W	I		12/17/04	105.0	3966.0	V		
313051109412101	D-22-26 15CDA	623077	4068	31° 30' 51'' / 109° 41' 21''			U	U		12/17/04	95.4	3972.6	V		
312948109415101	D-22-26 21DDD2		4042	31° 29' 48.1'' / 109° 41' 51.6''			W	I		12/01/04	58.5	3983.5	V		
312930109413801	D-22-26 27BCA		4035	31° 29' 32.6'' / 109° 41' 38''	210	210	W	H		12/01/04	56.3	3978.7	V		
312919109415001	D-22-26 27CBB	622163	4027	31° 29' 18.8'' / 109° 41' 49.7''	300	300	W	I		12/01/04	48.9	3978.1	V		
312906109420401	D-22-26 28DDB		4021	31° 29' 6.4'' / 109° 42' 4.2''	263	263	W	I		12/01/04	43.6	3977.4	V		
312923109434901	D-22-26 29BCC1		4059	31° 29' 20.5'' / 109° 43' 51.3''			W	H	Annually	12/01/04	61.6	3997.4	V		
312857109434901	D-22-26 29CCC	618940	4058	31° 28' 58'' / 109° 43' 51.1''			U	U		12/01/04	62.2	3995.8	V		
312833109444501	D-22-26 31BCD		4085	31° 28' 29'' / 109° 44' 43.8''			U	U		12/08/04	77.4	4007.6	V		
312803109444501	D-22-26 31CCD	624411	4090	31° 28' 1.8'' / 109° 44' 47.8''	250	250	W	H	Annually	12/01/04	81.0	4009.0	V		
312812109440001	D-22-26 31DAD		4058	31° 28' 14.6'' / 109° 43' 54.9''	380	380	W	S		11/30/04	63.6	3994.4	V		
312853109420401	D-22-26 33AAB		4015	31° 28' 53.1'' / 109° 42' 4''			W	I		12/01/04	41.4	3973.6	V		
312801109414901	D-22-26 34CCC	629956	4005	31° 28' 1.3'' / 109° 41' 49''	125	125	W	P		12/01/04	36.9	3968.1	V		
313256109372201	D-22-27 05BDB	623380	4215	31° 32' 56.6'' / 109° 37' 22.2''	4400	4400	W	S		12/01/04	0.0	4215.0	V	F	
313310109375001	D-22-27 06AAA	625320	4232	31° 33' 15.2'' / 109° 37' 46.5''	618	618	U	U		12/09/04	243.7	3988.3	V		
313312109381701	D-22-27 06BAA	625319	4219	31° 33' 15.3'' / 109° 38' 16.7''	850	850	U	U		12/09/04	236.3	3982.7	V		
313248109381701	D-22-27 06CAA		4205	31° 32' 48'' / 109° 38' 17''			U	U		12/09/04			V	O	
313246109375201	D-22-27 06DAA	624485	4220	31° 32' 49.4'' / 109° 37' 49.7''	616	616	U	U		12/09/04	236.5	3983.5	V		
313154109334501	D-22-27 11DAA	616403	4314	31° 31' 54.2'' / 109° 33' 44.1''	380	380	W	S		12/01/04	174.1	4139.9	V		
313108109354301	D-22-27 16ADD	624488	4210	31° 31' 8'' / 109° 35' 44.1''	224	224	U	U		12/01/04	222.0	3988.0	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313027109335001	D-22-27 23AAC	643569	4305	31° 30' 27.4'' / 109° 33' 48.3''	300	300	U	U		12/01/04	223.9	4081.1	V		
313023109325701	D-22-27 24ADB	84986	4325	31° 30' 22.8'' / 109° 32' 48.8''	260	260	W	H		12/01/04	73.3	4251.7	V		
313022109333601	D-22-27 24BCB		4305	31° 30' 22.3'' / 109° 33' 33.7''			W	S		12/01/04	227.2	4077.8	V		
312941109325801	D-22-27 25ABA	572743	4265	31° 29' 41.4'' / 109° 32' 57.5''	250	250	Q	H		12/09/04	192.9	4072.1	V		
312858109325001	D-22-27 25DDB	586275	4220	31° 28' 57.6'' / 109° 32' 49.5''	440	440	W	H		12/08/04	157.0	4063.0	V		
312854109324701	D-22-27 25DDC	518704	4220	31° 28' 54'' / 109° 32' 47''	600	600	U	U		12/08/04	334.5	3885.5	V		
312910109343601	D-22-27 26CBB	603726	4212	31° 29' 11.8'' / 109° 34' 40.7''	440	440	W	H		12/09/04	306.7	3905.3	V		
313309109283301	D-22-28 03AAB		4735	31° 33' 12.6'' / 109° 28' 35.2''			W	S		11/30/04	60.9	4674.1	V		
313228109310301	D-22-28 05CDA	616406	4520	31° 32' 28'' / 109° 31' 3.6''	53	53	W	S		11/30/04	46.1	4473.9	V		
313135109351201	D-22-28 07CDA		4400	31° 31' 35'' / 109° 35' 12.1''			U	U		12/01/04	50.0	4350.0	V		
313136109321501	D-22-28 07CDC		4400	31° 31' 29.6'' / 109° 32' 16.4''			U	U		12/01/04	53.8	4346.2	V		
313136109312401	D-22-28 08CCB2		4775	31° 31' 36.9'' / 109° 31' 24.3''			W	S		11/30/04	60.4	4714.6	V		
313213109271101	D-22-28 12BBA	632390	4820	31° 32' 13.4'' / 109° 27' 10.8''			W	H		11/30/04	48.8	4771.2	V		
313148109270801	D-22-28 12CBA		4780	31° 31' 50.1'' / 109° 27' 9.1''			U	U		11/30/04			V	O	
313059109264501	D-22-28 13ACD		4720	31° 30' 58.3'' / 109° 26' 45.1''			U	U		11/30/04	44.4	4675.6	V		
313109109294801	D-22-28 16ACA	579301	4550	31° 31' 9.1'' / 109° 29' 47.9''	75	75	W	S		11/30/04	20.0	4530.0	V		
313001109312501	D-22-28 20CBB	616408	4360	31° 30' 1.8'' / 109° 31' 24.4''	340	340	W	S		12/02/04	206.0	4154.0	V		
313016109263701	D-22-28 24ADB1		4660	31° 30' 17.4'' / 109° 26' 35.3''			W	S		12/02/04	42.8	4617.2	V		
313017109220001	D-22-28 24BDB		4652	31° 30' 14.9'' / 109° 27' 3.7''			W	S		11/30/04	44.5	4607.5	V		
312822109273401	D-22-28 35DAB		4511	31° 28' 21.5'' / 109° 27' 33.8''			W	S		11/30/04	65.3	4445.7	V		
312910109320301	D-22-28E30CAA2	535664	4270	31° 29' 11.9'' / 109° 32' 0.5''	280	280	W	H		12/08/04	148.7	4121.3	V		
312856109315701	D-22-28E30DCB	500115	4260	31° 28' 57.2'' / 109° 31' 55.5''	287	287	W	H		12/09/04	142.3	4117.7	V		
313153109261001	D-22-29 07BCD		4840	31° 31' 52.7'' / 109° 26' 10.5''			W	S		11/30/04	56.7	4783.3	V		
313146109260801	D-22-29 07CBA		4860	31° 31' 48.4'' / 109° 26' 9''			W	S		11/30/04	90.3	4769.7	V	P	
312839109261901	D-22-29 31BBC	644190	4639	31° 28' 40.2'' / 109° 26' 20.7''	90	90	U	U		11/30/04	29.5	4609.5	V		
312709109414901	D-23-26 03CCC1	601301	4022	31° 27' 9.8'' / 109° 41' 49.3''	175	175	U	U		12/02/04	54.7	3967.3	V		
312800109423501	D-23-26 04BAB		4018	31° 27' 59'' / 109° 42' 34.7''			W	S		12/01/04	43.5	3974.5	V		
312712109435001	D-23-26 05CCC2		4068	31° 27' 13.3'' / 109° 43' 49.7''			U	U		12/02/04	77.2	3990.8	V		
312702109443501	D-23-26 07BAB2		4102	31° 27' 2.7'' / 109° 44' 36.5''			W	H		12/02/04	98.7	4003.3	V		
312702109443801	D-23-26 07BAC		4103	31° 27' 0.7'' / 109° 44' 38.6''	102	102	U	U		12/02/04	99.4	4003.6	V		
312658109411701	D-23-26 10ABC	611161	4013	31° 26' 59.6'' / 109° 41' 19.2''	125	125	W	H		12/02/04	53.8	3959.2	V		
312656109390901	D-23-26 12ABC	619562	4005	31° 26' 59.6'' / 109° 39' 16.8''	110	110	W	H	Annually	12/03/04	58.4	3946.6	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312527109395701	D-23-26 13CCC1	625680	4009	31° 25' 24.3'' / 109° 39' 43.8''			U	U	Annually	12/01/04	67.0	3942.0	V		
312539109414901	D-23-26 15CBC	625692	4046	31° 25' 39.3'' / 109° 41' 48.4''			W	S		12/07/04	87.1	3958.9	V		
312448109450001	D-23-26 19CBC2	603927	4158	31° 24' 43.4'' / 109° 44' 56.2''	326	326	W	I	Annually	12/03/04	128.3	4029.7	V		
312356109394701	D-23-26 25CBC	625674	4042	31° 23' 56.3'' / 109° 39' 48.7''	323	323	U	U		12/01/04	103.6	3938.4	V		
312407109400501	D-23-26 26ACD	633420	4045	31° 24' 5.2'' / 109° 40' 8.1''	194	194	W	H		12/01/04	105.7	3939.3	V		
312403109403401	D-23-26 26BDC	633418	4052	31° 24' 3.4'' / 109° 40' 28.8''	260	260	U	U		12/01/04	111.7	3940.3	V		
312337109403501	D-23-26 26CDC	633417	4066	31° 23' 37'' / 109° 40' 34.9''	265	265	U	U		12/01/04	131.1	3934.9	V		
312340109413501	D-23-26 27CDB	625691	4083	31° 23' 44.4'' / 109° 41' 34.9''			W	S		12/07/04	146.3	3936.7	V		
312402109432901	D-23-26 29CAD	625693	4130	31° 23' 59.4'' / 109° 43' 26''	200	200	W	S		12/07/04	156.7	3973.3	V		
312247109442801	D-23-26 31CDD	629636	4202	31° 22' 47.3'' / 109° 44' 29.6''			W	P		12/07/04	174.3	4027.7	V		
312743109355401	D-23-27 04ADB		4110	31° 27' 45.3'' / 109° 35' 54.7''			U	U		12/06/04	253.3	3856.7	V		
312717109362601	D-23-27 04CDB		4075	31° 27' 16.7'' / 109° 36' 26.4''			U	U		12/07/04	225.3	3849.7	V		
312730109371301	D-23-27 05DBB	632674	4065	31° 27' 29.4'' / 109° 37' 15''	180	180	W	S		12/09/04			V	O	
312703109373201	D-23-27 08BBA	636992	4042	31° 27' 4.2'' / 109° 37' 33.1''	180	180	W	H		12/02/04	107.7	3934.1	V		
312657109360001	D-23-27 09AAC	516373	4068	31° 26' 55.6'' / 109° 36' 3''	625	625	W	P		12/07/04	217.7	3850.3	V		
312658109360401	D-23-27 09ABD	606412	4066	31° 26' 56.4'' / 109° 36' 5.2''	650	650	W	P		12/07/04	219.2	3846.8	V	R	
312638109355901	D-23-27 09DAB	617653	4055	31° 26' 39.9'' / 109° 35' 56.8''	500	500	U	U	Annually	12/02/04	205.2	3849.8	V		
312609109330801	D-23-27 13ABB2		4150	31° 26' 13.4'' / 109° 33' 10.4''			W	P		12/08/04	293.5	3856.5	V		
312550109330901	D-23-27 13ACB		4142	31° 25' 55.4'' / 109° 33' 10.4''			U	U		12/08/04	297.1	3844.9	V		
312553109331101	D-23-27 13ACC1	514192	4140	31° 25' 52.4'' / 109° 33' 9.8''	400	400	U	U		12/08/04	299.0	3841.0	V		
312610109354901	D-23-27 16AAA		4040	31° 26' 12.7'' / 109° 35' 50.2''	500	500	W	I		12/03/04	189.7	3850.3	V		
312610109361801	D-23-27 16BAA	617654	4033	31° 26' 13.1'' / 109° 36' 16.8''	500	500	W	I		12/03/04	181.6	3851.4	V		
312625109373501	D-23-27 16BBA	617655	4033	31° 26' 12.5'' / 109° 36' 33.4''	348	348	U	U		12/03/04	165.7	3867.3	V		
312612109364801	D-23-27 17AAA	617651	4025	31° 26' 13'' / 109° 36' 50.2''	400	400	W	I		12/03/04	171.6	3853.4	V		
312430109380201	D-23-27 19DDC	629023	3991	31° 24' 31.7'' / 109° 38' 2''	160	160	W	I		12/02/04	62.4	3928.6	V		
312446109354601	D-23-27 21DAD		4012	31° 24' 41.7'' / 109° 35' 46.3''	180	180	U	U		12/03/04	80.7	3931.3	V		
312433109344901	D-23-27 22DDA2		4042	31° 24' 35.8'' / 109° 34' 48.1''	350	350	U	U	Annually	12/02/04	226.0	3816.0	V		
312519109333801	D-23-27 24BBB	618359	4105	31° 25' 18.2'' / 109° 33' 40.3''	700	700	W	P		12/08/04	283.1	3821.9	V		
312418109325001	D-23-27 25AAC	548148	4100	31° 24' 18.5'' / 109° 32' 49.6''	400	400	W	H		12/09/04	315.5	3784.5	V		
312412109324901	D-23-27 25ADB	648660	4100	31° 24' 11.8'' / 109° 32' 49.3''	350	350	W	H		12/07/04	321.8	3778.2	V		
312415109350001	D-23-27 27ACA		4022	31° 24' 14.6'' / 109° 35' 0.6''	290	290	U	U		12/07/04	214.7	3807.3	V		
312411109353601	D-23-27 27BCA		3998	31° 24' 12'' / 109° 35' 38.8''			W	H		12/07/04	134.4	3863.6	V		

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SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312349109352501	D-23-27 27CDB	87227	3988	31° 23' 47.8'' / 109° 35' 25''	300	300	W	S		12/07/04	94.7	3893.3	V		
312407109361301	D-23-27 28ACC1	635916	3982	31° 24' 6.9'' / 109° 36' 13.6''			W	H		12/07/04	152.6	3829.4	V	R	
312405109361501	D-23-27 28ACC2	552901	3982	31° 24' 6.9'' / 109° 36' 13.7''	220	220	U	U		12/07/04	110.3	3871.7	V		
312419109383801	D-23-27 30BBD		4005	31° 24' 22.4'' / 109° 38' 48.2''			U	U		12/02/04	83.8	3921.2	V		
312338109384401	D-23-27 30CCC1	625683	4021	31° 23' 43.2'' / 109° 38' 45.8''	925	925	U	U		12/02/04	208.6	3812.4	V		
312259109364801	D-23-27 32DAD1	633437	3982	31° 23' 1'' / 109° 36' 48.1''	143	143	W	H		12/09/04	55.1	3926.9	V		
312302109364801	D-23-27 32DAD2		3978	31° 22' 58.9'' / 109° 36' 49.2''	280	280	W	H		12/09/04	56.4	3921.6	V		
312330109344601	D-23-27 34AAA	806697	4010	31° 23' 32.3'' / 109° 34' 46.7''	600	600	W	P		12/06/04	223.9	3786.1	V		
312312109345001	D-23-27 34ADD		4002	31° 23' 12.5'' / 109° 34' 47.4''	282	282	U	U		12/06/04	223.1	3778.9	V		
312320109352501	D-23-27 34BCA	637419	3984	31° 23' 22'' / 109° 35' 34.3''	201	201	W	H		12/07/04	78.2	3905.8	V		
312325109334601	D-23-27 35AAD	640024	4038	31° 23' 27.1'' / 109° 33' 45.2''	412	412	W	H		12/07/04	273.0	3765.0	V		
312334109342601	D-23-27 35BAB		4021	31° 23' 33.5'' / 109° 34' 25.7''			U	U		12/07/04	237.2	3783.8	V		
312722109272401	D-23-28 01CBA	630602	4475	31° 27' 22'' / 109° 27' 24''	310	16	W	S		11/30/04	64.9	4410.1	V		
312717109285201	D-23-28 03DAC2	643076	4381	31° 27' 19.6'' / 109° 28' 50.7''	55	55	W	H		11/30/04	38.9	4342.1	V		
312718109285101	D-23-28 03DAC3	643077	4381	31° 27' 18'' / 109° 28' 52.9''	50	50	W	S		11/30/04	36.7	4344.3	V		
312622109310901	D-23-28 08CDA		4243	31° 26' 22.4'' / 109° 31' 10.7''			U	U		12/08/04	103.1	4139.9	V		
312615109304201	D-23-28 08DDD		4258	31° 26' 14.5'' / 109° 30' 37.6''			U	U	Annually	12/02/04	66.5	4191.5	V		
312652109301401	D-23-28 09BAD1		4298	31° 26' 51.6'' / 109° 30' 13.7''			U	U		12/08/04			V	O	
312654109301401	D-23-28 09BAD2		4303	31° 26' 54.1'' / 109° 30' 13.1''			U	U		12/08/04	57.5	4245.5	V		
312623109281001	D-23-28 11CDA		4434	31° 26' 23'' / 109° 28' 10''			W	S		11/30/04			V	O	
312528109272501	D-23-28 13CCA	630597	4489	31° 25' 29.2'' / 109° 27' 25.2''	258	258	W	S		11/30/04	193.1	4295.9	V		
312610109323901	D-23-28 18BBB		4170	31° 26' 10.4'' / 109° 32' 39.6''	330	330	U	U		12/02/04	219.0	3951.0	V		
312412109270001	D-23-28 25ACB	630596	4525	31° 24' 13.3'' / 109° 27' 0''	500	500	W	S		11/30/04	230.1	4294.9	V	K	
312420109281901	D-23-28 26BAB		4350	31° 24' 20.9'' / 109° 28' 20''	130	130	W	S		11/30/04	64.9	4285.1	V		
312248109323801	D-23-28 31CCC		4042	31° 22' 45.3'' / 109° 32' 37.3''			U	U	Annually	12/02/04	305.5	3736.5	V		
312145109452401	D-24-25 12ABB	623290	4257	31° 21' 49'' / 109° 45' 23.6''	185	185	U	U		12/07/04	161.0	4096.0	V		
312056109473301	D-24-25 15BAA	623291	4450	31° 20' 56.3'' / 109° 47' 32.4''	180	180	W	S		12/07/04			V	O	
313034109470701	D-24-25 15DAB	623272	4390	31° 20' 35'' / 109° 47' 7.1''	185	185	W	S		12/07/04	74.6	4315.4	V		
312011109470901	D-24-25 15DDC	623293	4359	31° 20' 11.8'' / 109° 47' 9.1''	45	45	Z	U		12/07/04	25.2	4333.8	V		
312207109404801	D-24-26 02CCB	625671	4120	31° 22' 4.4'' / 109° 40' 51.5''	405	405	U	U		12/06/04	178.5	3941.5	V		
312226109432101	D-24-26 05ACC	625690	4170	31° 22' 26.7'' / 109° 43' 21.7''	363	363	W	S		12/06/04	233.8	3936.2	V		
312149109433001	D-24-26 08BAA	648337	4193	31° 21' 49.2'' / 109° 43' 27.2''	214	214	W	H		12/06/04	187.0	4006.0	V		
312209109364501	D-24-27 04CBC		3980	31° 22' 8.7'' / 109° 36' 45.2''	84	84	U	U	Annually	12/06/04	55.5	3924.5	V		

Appendix 1. Douglas Basin initial dataset water level measurements water year 2005.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312155109364601	D-24-27 04CCC		3980	31° 21' 54.9'' / 109° 36' 45.7''			U	U		12/06/04	60.7	3919.3	V		
312203109375201	D-24-27 06DDA	603617	4006	31° 22' 3'' / 109° 37' 51''	90	90	W	S		12/06/04	81.0	3925.0	V		
312149109384501	D-24-27 07BBB		4043	31° 21' 51.7'' / 109° 38' 45.8''			W	H		12/06/04	105.7	3937.3	V		
312107109384701	D-24-27 07CCB		4043	31° 21' 7.1'' / 109° 38' 48''			U	U		12/06/04	107.7	3935.3	V		
312127109354901	D-24-27 09ADD2	632938	3950	31° 21' 26.5'' / 109° 35' 50.2''	306	306	W	H		12/01/04	189.3	3760.7	V		
312122109363201	D-24-27 09CAB	644429	3975	31° 21' 25.2'' / 109° 36' 41''	160	160	W	H		12/06/04	114.9	3860.1	V		
312125109364101	D-24-27 09CBA1		3980	31° 21' 25.2'' / 109° 36' 41''			W	H		12/06/04	114.9	3865.1	V	K	
312110109362201	D-24-27 09CDA	627973	3973	31° 21' 10.5'' / 109° 36' 22''	110	110	W	H		12/01/04	54.9	3918.1	V		
312126109344701	D-24-27 10ADD	522687	3942	31° 21' 26'' / 109° 34' 47''	221	221	W	H		12/06/04	189.8	3752.2	V		
312123109351101	D-24-27 10DBB1	603979	3922	31° 21' 21.5'' / 109° 35' 12.8''	334	334	W	P		12/02/04	187.0	3735.0	V		
312123109351201	D-24-27 10DBB2	603980	3925	31° 21' 22.6'' / 109° 35' 13.8''	336	336	W	P		12/02/04	210.2	3714.8	V	R	
312147109332201	D-24-27 12BAB		3990	31° 21' 46.8'' / 109° 33' 22.6''			U	U		12/01/04	186.7	3803.3	V		
312045109332001	D-24-27 13BAC	603985	3965	31° 20' 44.6'' / 109° 33' 20''	554	554	W	P		12/02/04	252.9	3712.1	V		
312050109331701	D-24-27 13BAD		3977	31° 20' 50'' / 109° 33' 17''			O	U		12/01/04			V	W	
312021109341901	D-24-27 14CAD1	610326	3923	31° 20' 20.7'' / 109° 34' 18.8''	500	500	W	H		12/01/04				Z	
312020109341901	D-24-27 14CAD2	610325	3922	31° 20' 21.4'' / 109° 34' 19.4''	402	402	W	H		12/01/04	201.3	3720.7	V		
312052109352101	D-24-27 15BAA	610329	3940	31° 20' 52.4'' / 109° 35' 19''	500	500	W	N		12/02/04			V	W	
312052109353701	D-24-27 15BBB	610328	3950	31° 20' 52.4'' / 109° 35' 38.6''	550	550	W	N		12/02/04			V	W	
312153109284701	D-24-28 03DDC		4253	31° 21' 53'' / 109° 28' 48.9''			U	U		11/29/04	32.4	4220.6	V		
312202109312201	D-24-28 05CDB	603001	4073	31° 22' 1'' / 109° 31' 22.5''	302	302	U	U		12/01/04			V	O	
312242109323101	D-24-28 06BBA	525746	4040	31° 22' 42.8'' / 109° 32' 29.8''	516	516	U	U		12/02/04	308.9	3731.1	V		
312218109322901	D-24-28 06BCD	603984	4030	31° 22' 21.8'' / 109° 32' 29.4''	450	450	W	P		12/02/04	316.0	3714.0	V	R	
312137109320501	D-24-28 07ACB1	603981	4030	31° 21' 36.5'' / 109° 32' 4.8''	320	320	U	U	Inactive	12/07/04			V	O	
312126109320601	D-24-28 07ACB2	603987	4030	31° 21' 34.7'' / 109° 32' 8.2''	503	503	W	P	Inactive	12/02/04	323.4	3706.6	V	R	
312058109322601	D-24-28 07CDC	603982	4025	31° 20' 59'' / 109° 32' 24.6''	461	461	W	P		12/02/04	318.1	3706.9	V	R	
312059109321001	D-24-28 07DCC	510672	4040	31° 20' 58.5'' / 109° 32' 9.1''			U	U	Annually	12/02/04	313.0	3727.0	V		
312150109313601	D-24-28 08BBB	603986	4060	31° 21' 51'' / 109° 31' 36''	500	500	W	P		12/02/04	347.2	3712.8	V	R	
312108109271701	D-24-28 12CDB	611947	4397	31° 21' 7.5'' / 109° 27' 17.2''	200	200	W	S		11/29/04	106.9	4290.1	V		

1. Q = Water Quality Monitoring, U = Unused, W = Withdrawal, Z = Well Destroyed
2. H = Domestic, I = Irrigation, N = Industrial, P = Public Supply, S = Stock, U = Unused
3. S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape
4. F = Flowing, K = Cascading Water, O = Obstruction, P = Pumping, R = Recently Pumped, W = Well Destroyed, Z = Other

Appendix 2

Douglas Basin initial dataset water level measurements water year 2015.

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315118109512301	D-18-24 24BDD		4679	31° 51' 15'' / 109° 51' 23''	100	100	W	S		03-Feb-15			Z	Z	UTM - ROAD IMPASSABLE
315039109520501	D-18-24 26ABD	633371	4750	31° 50' 39'' / 109° 52' 5''	55	55	W	S		03-Feb-15			Z	Z	UTM ROAD IMPASSABLE
315350109462801	D-18-25 02CAB2	633369	4328	31° 53' 51.3'' / 109° 46' 27.9''	400	400	W	S		11-Dec-14	292.2	4035.8	V	R	
315231109423901	D-18-26 16BBB	616235	4281.9	31° 52' 32.3'' / 109° 42' 37.9''	200	200	W	S	Annually	27-Jan-15			V	O	OBST AT 182 FT
315142109414201	D-18-26 21AAA		4278	31° 51' 41.5'' / 109° 41' 41.5''			U	U		05-Feb-15	195.8	4082.2	V		
315141109415901	D-18-26 21ABA	513705	4275	31° 51' 40.3'' / 109° 42' 3.1''	295	295	U	U		05-Feb-15	195.3	4079.7	V		
315130109423901	D-18-26 21DAA	606356	4271	31° 51' 15.1'' / 109° 41' 41.5''	900	900	W	I		05-Feb-15	256.8	4014.2	V		
315112109413901	D-18-26 22CAA		4280	31° 51' 15.5'' / 109° 41' 10.1''	135	135	U	U		05-Feb-15			V	D	DRY @ 239 FT
315052109411001	D-18-26 22CDD	86641	4279	31° 50' 53.1'' / 109° 41' 10.2''	345	345	W	I		05-Feb-15	264.4	4014.6	V		
314958109392801	D-18-26 25CCD	510619	4305	31° 49' 57.8'' / 109° 39' 28.2''	340	340	W	H		05-Feb-15	272.6	4032.4	V		
315045109410301	D-18-26 27ABA	604722	4285	31° 50' 49.6'' / 109° 40' 54.9''	400	400	U	U		05-Feb-15	269.1	4015.9	V		
315025109405601	D-18-26 27ACD	604723	4280	31° 50' 26.1'' / 109° 40' 57''	350	350	W	H		05-Feb-15	265.8	4014.2	V		
315007109411401	D-18-26 27CDA	617326	4276	31° 50' 7'' / 109° 41' 10.2''	380	380	U	U		05-Feb-15	265.1	4010.9	V		
315020109404401	D-18-26 27DAA	604720	4285	31° 50' 24'' / 109° 40' 40''	500	500	U	U		05-Feb-15	258.7	4026.3	V		
314955109404101	D-18-26 27DDA	617327	4284	31° 50' 7.1'' / 109° 40' 39.4''	400	400	U	U		05-Feb-15	264.6	4019.4	V		
315042109414301	D-18-26 28AAA2		4268	31° 50' 45.4'' / 109° 41' 41.7''	390	390	W	H	Annually	27-Jan-15	258.8	4009.2	V		
314956109404501	D-18-26 34AAD	606653	4278	31° 49' 47.6'' / 109° 40' 39.6''	400	400	W	I		05-Feb-15	260.2	4017.8	V		
314945109394001	D-18-26 35AAA	606649	4300	31° 49' 52.2'' / 109° 39' 38.5''	360	360	W	I		05-Feb-15	271.8	4028.2	V		
314956109400501	D-18-26 35ABB	606651	4291	31° 49' 57'' / 109° 40' 1''	330	330	W	I		05-Feb-15			Z	O	UTM - MP BLOCKED
314956109402601	D-18-26 35BBA	607614	4284	31° 49' 56.7'' / 109° 40' 25''	300	300	W	I		05-Feb-15	264	4020	V		
314925109394501	D-18-26 35DAA	606648	4301	31° 49' 31.5'' / 109° 39' 38.2''	400	400	W	I		05-Feb-15	272.3	4028.7	V		
314906109383501	D-18-27 31CCC	618442	4329	31° 49' 6.5'' / 109° 38' 36.1''	300	300	W	S		05-Feb-15	291.8	4037.2	V	R	
314412109541601	D-19-24 36BCC		5195	31° 44' 14.1'' / 109° 51' 44.7''			U	U		29-Jan-15			Z	Z	UTM - NO ACCESS
314411109513801	D-19-24 36CBA	619136	5180	31° 44' 13.1'' / 109° 51' 44.2''	350	350	U	U		29-Jan-15			Z	Z	UTM - IMPASSABLE ROAD
314351109511701	D-19-24 36CDD	616275	5118	31° 43' 51.4'' / 109° 51' 17''	41	41	W	S		29-Jan-15	29	5089	S		
314833109515301	D-19-24S02ADD1		4920	31° 48' 33'' / 109° 51' 53''			W	S		03-Feb-15			Z	Z	UTM - ROAD IMPASSABLE
314832109515001	D-19-24S02ADD2		4905	31° 48' 36'' / 109° 51' 50''	40	40	W	S		03-Feb-15			Z	Z	UTM - IMPASSABLE ROAD
314724109492001	D-19-25 08CDA1	641696	4790	31° 47' 24'' / 109° 49' 20''	212	212	W	H		04-Feb-15			Z	Z	UTM - NO MP ACCESS/OWNER CLAIMS DRY
314722109491801	D-19-25 08CDA2		4790	31° 47' 22'' / 109° 49' 18''			W	H		04-Feb-15	52.1	4737.9	V		
314625109455601	D-19-25 14DDC		4420	31° 46' 25'' / 109° 45' 56''	504	504	W	H		29-Jan-15			Z	Z	UTM - MP ACCESS PLUGGED
314701109481101	D-19-25 16ACB	616277	4655	31° 47' 1'' / 109° 48' 12''			U	U		04-Feb-15			Z	Z	UTM - NO ACCESS LOCKED GATE
314628109485301	D-19-25 17DDD		4820	31° 46' 28'' / 109° 48' 53''			W	H		29-Jan-15	66.7	4753.3	V		
314702109501901	D-19-25 18BDA		4922	31° 47' 2'' / 109° 50' 19''			W	S		04-Feb-15	25.8	4896.2	S		
314702109501801	D-19-25 18BDA2		4920	31° 47' 2.4'' / 109° 50' 18.2''			W	S		04-Feb-15	76.8	4843.2	V		
314505109445801	D-19-25 25ACD1	613647	4295	31° 45' 7.5'' / 109° 44' 50.5''	650	650	W	H		03-Feb-15	299.5	3995.5	V		
314508109451601	D-19-25 25ACD2	613648	4298	31° 45' 4.5'' / 109° 44' 53.5''	830	830	U	U		03-Feb-15	300.5	3997.5	V		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314509109451401	D-19-25 25BDD	613646	4330	31° 45' 12.1'' / 109° 45' 6.7''	598	598	U	U		03-Feb-15			V	O	OBST @ 318 FT
314512109444401	D-19-25 25DAA	613645	4272	31° 45' 3.2'' / 109° 44' 34.6''	1200	1200	W	I		03-Feb-15	275.1	3996.9	V		
314447109484201	D-19-25 28CCB		4820	31° 44' 49'' / 109° 48' 42.1''			U	U		29-Jan-15			Z	Z	UTM - WELL SEALED
314510109502401	D-19-25 30BDB		5050	31° 45' 10'' / 109° 50' 24''			W	S		04-Feb-15	50.4	4999.6	S		
314502109494901	D-19-25 30DAA		4925	31° 45' 2'' / 109° 49' 49''			U	U		04-Feb-15	20.5	4904.5	S		
314454109500201	D-19-25 30DBD		5010	31° 44' 55.9'' / 109° 50' 1.3''			U	U		29-Jan-15	13.7	4996.3	S		
314359109494801	D-19-25 31DAD		4935	31° 43' 59'' / 109° 49' 48''			W	H		29-Jan-15	58.2	4876.8	V		
314357109494901	D-19-25 31DDA1		4922	31° 43' 57'' / 109° 49' 49''			W	H		29-Jan-15	53.2	4868.8	V		
314356109494901	D-19-25 31DDA2		4922	31° 43' 56'' / 109° 49' 49''			W	H		29-Jan-15	54.6	4867.4	V		
314810109494801	D-19-25S06DDD		4775	31° 48' 10'' / 109° 49' 48''			W	H		03-Feb-15	36.7	4738.3	V		
314809109433501	D-19-26 05CCC	625665	4275	31° 48' 9'' / 109° 43' 35''	568	568	W	I		03-Feb-15			Z	Z	UTM - BEES AT MP
314808109430001	D-19-26 08ABB	625658	4251	31° 48' 8.1'' / 109° 43' 5.6''	308	308	U	U		03-Feb-15	252.1	3998.9	V		
314758109432901	D-19-26 08BCB	625660	4280	31° 47' 54'' / 109° 43' 35''	550	550	W	I		03-Feb-15			Z	Z	UTM - ACCESS BLOCKED
314740109433301	D-19-26 08CBB	625661	4273	31° 47' 39.9'' / 109° 43' 33.4''	521	521	W	I		03-Feb-15	273.3	3999.7	V		
314739109430101	D-19-26 08DBB	625659	4245	31° 47' 40'' / 109° 43' 3''	340	340	W	I		04-Feb-15	245	4000	V		
314807109420801	D-19-26 09BAA2	625652	4233	31° 48' 7.6'' / 109° 42' 9.9''	800	800	W	I		03-Feb-15	237	3996	V		
314806109423301	D-19-26 09BBB	625651	4237	31° 48' 7.9'' / 109° 42' 33.7''	515	515	U	U	Annually	27-Jan-15	235.5	4001.5	V		
314728109422001	D-19-26 09CCA	625653	4225	31° 47' 29.2'' / 109° 42' 18.2''	280	280	U	U		04-Feb-15			V	O	OBST @ 3 FT
314753109410701	D-19-26 10BDA	622963	4258	31° 47' 55.4'' / 109° 41' 2.6''	600	600	U	U		04-Feb-15	258.8	3999.2	V		
314728109403501	D-19-26 10DDA	622964	4265	31° 47' 28'' / 109° 40' 35''	470	470	U	U		04-Feb-15	304.8	3960.2	V		
314746109395901	D-19-26 11ACB	618199	4290	31° 47' 51.6'' / 109° 39' 59.7''	735	735	U	U		04-Feb-15	295.2	3994.8	V		
314747109393401	D-19-26 11ADD	618198	4308	31° 47' 42'' / 109° 39' 30''	425	425	W	S		04-Feb-15	316.4	3991.6	V		
314719109395701	D-19-26 11CDD	618200	4290	31° 47' 16.3'' / 109° 39' 58.1''	725	725	W	S		04-Feb-15	326.8	3963.2	V		
314718109393101	D-19-26 11DDD	618197	4310	31° 47' 19.2'' / 109° 39' 27.7''	415	415	U	U		04-Feb-15	337.4	3972.6	V		
314654109392901	D-19-26 14ADD	618196	4315	31° 46' 50.4'' / 109° 39' 25.2''	602	602	U	U		04-Feb-15	376.5	3938.5	V		
314627109392601	D-19-26 14DDD	618195	4315	31° 46' 26'' / 109° 39' 22.9''	490	490	W	I		04-Feb-15	385.8	3929.2	V		
314715109430101	D-19-26 17ABB	612140	4230	31° 47' 15'' / 109° 43' 1''	330	330	W	I		03-Feb-15			Z	Z	UTM - NO ACCESS
314713109432901	D-19-26 17BBB	612141	4255	31° 47' 12.4'' / 109° 43' 27.9''	335	335	W	I		03-Feb-15	249.5	4005.5	V		
314628109432701	D-19-26 17CCC	625323	4239	31° 46' 28.1'' / 109° 43' 27.1''	539	539	U	U		03-Feb-15	243.6	3995.4	V		
314608109432301	D-19-26 20BCB		4230	31° 46' 9.5'' / 109° 43' 25.3''			W	I		03-Feb-15			Z	Z	UTM - NO ACCESS
314601109392501	D-19-26 23ADA	618188	4311	31° 46' 9.2'' / 109° 39' 21.2''	400	400	U	U		04-Feb-15	386.1	3924.9	V		
314557109392401	D-19-26 23DAA	618189	4300	31° 45' 56.7'' / 109° 39' 20.1''	400	400	W	H	Annually	27-Jan-15	382.8	3917.2	V		
314620109385401	D-19-26 24BAA		4335	31° 46' 18'' / 109° 38' 51.4''	668	668	U	U		29-Jan-15	332.5	4002.5	V		
314528109382001	D-19-26 25AAA	603906	4315	31° 45' 30.3'' / 109° 38' 15.7''	575	575	U	U		29-Jan-15	329	3986	V		
314504109381301	D-19-26 25DAA	612283	4321	31° 45' 4.1'' / 109° 38' 13.8''	565	565	W	I		29-Jan-15			Z	Z	UTM - PUMPING
314502109384801	D-19-26 25DBB	612282	4302	31° 45' 4'' / 109° 38' 43.4''	550	550	W	I		29-Jan-15	313.1	3988.9	V		
314528109391801	D-19-26 26AAA		4291	31° 45' 24.8'' / 109° 39' 16.9''	600	600	U	U		29-Jan-15	368.8	3922.2	V		
314529109394801	D-19-26 26BAA	618203	4274	31° 45' 30.2'' / 109° 39' 46.5''	600	600	W	I		29-Jan-15	352.6	3921.4	V		
314502109394901	D-19-26 26CAA	605366	4267	31° 45' 4'' / 109° 39' 47''	526	526	W	I		29-Jan-15	337.2	3929.8	V		
314502109391501	D-19-26 26DAA	605365	4279	31° 45' 4'' / 109° 39' 16''	460	460	W	I		29-Jan-15	353.8	3925.2	V		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314526109402201	D-19-26 27AAA	618190	4255	31° 45' 29.4'' / 109° 40' 19.4''	930	930	W	I		29-Jan-15	328.9	3926.1	V		
314506109402101	D-19-26 27ADD	618191	4250	31° 45' 5.1'' / 109° 40' 17.4''	839	839	W	I		29-Jan-15	322.9	3927.1	V		
314502109405001	D-19-26 27CAA	618192	4230	31° 45' 3'' / 109° 40' 48''	750	750	W	I		29-Jan-15			Z	O	UTM - MP BLOCKED
314520109412101	D-19-26 28AAD		4218	31° 45' 18.4'' / 109° 41' 19.6''	302	302	U	U		29-Jan-15			V	O	OBST @ 249 FT
314504109432001	D-19-26 29CBB	609918	4200	31° 45' 4'' / 109° 43' 20''			W	I		03-Feb-15			Z	Z	UTM - NO ACCESS
314502109422101	D-19-26 29DAA	604302	4190	31° 45' 3.9'' / 109° 42' 19.8''	300	300	U	U		03-Feb-15	238.2	3951.8	V		
314437109424501	D-19-26 32BAA		4181	31° 44' 37.4'' / 109° 42' 47.3''			U	U		04-Feb-15	219.8	3961.2	V		
314358109414801	D-19-26 33CDA		4188.9	31° 43' 55'' / 109° 41' 43''	252	252	W	H	Annually	29-Jan-15	170.6	4018.3	V		
314348109414501	D-19-26 33CDD	800189	4184	31° 43' 51'' / 109° 41' 43.1''	600	600	W	I		29-Jan-15	248	3936	V		
314355109411701	D-19-26 33DDA1	610840	4200	31° 43' 55'' / 109° 41' 14''	525	525	U	U		04-Feb-15	264.4	3935.6	V		
314355109411601	D-19-26 33DDA2	610843	4201	31° 43' 55'' / 109° 41' 13''	270	270	U	U		04-Feb-15	264	3937	V		
314359109401501	D-19-26 34DAA	605464	4233	31° 44' 10.7'' / 109° 40' 12.6''	600	600	W	I		04-Feb-15	303.4	3929.6	V		
314434109391601	D-19-26 35AAA	618914	4273	31° 44' 38'' / 109° 39' 13''	500	500	W	I		28-Jan-15	342.9	3930.1	V		
314434109394601	D-19-26 35BAA	618915	4254	31° 44' 38'' / 109° 39' 44''	520	520	W	I		28-Jan-15			Z	Z	UTM - NO MP
314410109394401	D-19-26 35CAA	618917	4240	31° 44' 11'' / 109° 39' 41''	510	510	W	I		28-Jan-15			Z	Z	UTM - NO MP
314410109391501	D-19-26 35DAA	618916	4265	31° 44' 14'' / 109° 39' 11''	507	507	W	I		28-Jan-15	337.3	3927.7	V		
314435109381501	D-19-26 36AAA	618910	4318	31° 44' 37'' / 109° 38' 12''	460	460	W	I		28-Jan-15	312.9	4005.1	V		
314420109381101	D-19-26 36ADA	510230	4306	31° 44' 17.9'' / 109° 38' 8.5''	80	80	U	U		28-Jan-15	41.4	4264.6	VT		
314409109381401	D-19-26 36DAA	618912	4302	31° 44' 11'' / 109° 38' 9''	460	460	W	I		28-Jan-15			Z	Z	UTM - NO ACCESS
314349109441301	D-19-26E31CCC		4216	31° 43' 49'' / 109° 44' 13''			U	U		04-Feb-15	205.5	4010.5	V		
314410109434601	D-19-26E31DBB		4202	31° 44' 11.1'' / 109° 43' 44.3''			U	U		04-Feb-15			V	D	DRY @ 127.8 FT
314834109390401	D-19-26S01BDD		4316	31° 48' 34.6'' / 109° 39' 3.3''	270	270	W	H		05-Feb-15			V	D	DRY @ 284 FT
314820109400001	D-19-26S02CDA	619229	4283	31° 48' 20.8'' / 109° 40' 4.1''	425	425	U	U		04-Feb-15			V	O	OBST @ 246 FT
314835109393701	D-19-26S02DAA		4297	31° 48' 33.6'' / 109° 39' 35.2''	417	417	W	H		04-Feb-15	277.2	4019.8	V		
314810109393601	D-19-26S02DDD	619230	4305	31° 48' 8.5'' / 109° 39' 32.6''	570	570	U	U		04-Feb-15	286.9	4018.1	V		
314820109410701	D-19-26S03CDA		4255	31° 48' 20.1'' / 109° 41' 5''	518	518	W	I		04-Feb-15	252.3	4002.7	V		
314827109404301	D-19-26S03DDD		4267	31° 48' 13'' / 109° 40' 34.2''	417	417	U	U		04-Feb-15	249	4018	V		
314836109433801	D-19-26S05CBB	625666	4285	31° 48' 29'' / 109° 43' 39''	600	600	W	I		03-Feb-15	287.7	3997.3	V		
314521109371401	D-19-27 30AAD	603890	4375	31° 45' 20.5'' / 109° 37' 14.3''	865	865	U	U		29-Jan-15	360.9	4014.1	V		
314507109371401	D-19-27 30ADD	603889	4372	31° 45' 7.8'' / 109° 37' 13.4''	678	678	U	U		29-Jan-15	359	4013	V		
314316109504301	D-20-24 01DBA	619138	4990	31° 43' 16.1'' / 109° 50' 45.1''	130	130	W	S		29-Jan-15	70.5	4919.5	S		
314321109553501	D-20-24 06ADD	619126	4950	31° 43' 24.8'' / 109° 55' 35''	200	200	U	U		27-Jan-15			Z	Z	UTM - ROAD IMPASSABLE
314206109522701	D-20-24 10DDD	641453	4893	31° 42' 5.4'' / 109° 52' 26.2''	42	42	W	S		29-Jan-15	20.5	4872.5	V		
314225109512801	D-20-24 11ADD	641449	4900	31° 42' 24.4'' / 109° 51' 31.3''	150	150	U	U		29-Jan-15			Z	Z	UTM - NO ACCESS
314110109551201	D-20-24 17CDC	619130	4775	31° 41' 12.6'' / 109° 55' 11.7''	252	252	W	S		27-Jan-15			Z	Z	UTM - ROAD IMPASSABLE
314051109510001	D-20-24 24BDB	641452	4680	31° 40' 51.2'' / 109° 51' 1.2''	400	400	W	S		29-Jan-15	217.3	4462.7	S		
313953109513001	D-20-24 26ADD	641454	4642	31° 39' 53.9'' / 109° 51' 30.8''	300	300	W	S		29-Jan-15	209.1	4432.9	V		
314011109544401	D-20-24 29AAB	616345	4700	31° 40' 14'' / 109° 54' 42.2''	250	250	W	S		27-Jan-15			Z	Z	UTM - ROAD IMPASSABLE
313948109543001	D-20-24 29DAA	629300	4670	31° 39' 49.4'' / 109° 54' 28.6''	697	697	W	H		27-Jan-15	37.7	4632.3	V		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313928109545601	D-20-24 29DCC		4690	31° 39' 29.6'' / 109° 54' 55.7''			W	H		27-Jan-15	124.8	4565.2	V		
313851109511601	D-20-24 36CBC	641457	4550	31° 38' 49.3'' / 109° 51' 22.3''	435	435	W	S		29-Jan-15	268.4	4281.6	V		
314312109485901	D-20-25 05CAC	625603	4740	31° 43' 13.3'' / 109° 48' 58.1''	40	40	U	U		29-Jan-15	25.4	4714.6	V		
314226109475301	D-20-25 09BDD	633786	4570	31° 42' 26'' / 109° 47' 53''	500	500	W	H		29-Jan-15			Z	Z	UTM - LOCKED GATES
314225109475401	D-20-25 09CAA	633787	4559.2	31° 42' 26.9'' / 109° 47' 54''	465	465	W	S	Annually	29-Jan-15	243.1	4316.1	V		
314224109470501	D-20-25 10CBA	635459	4485	31° 42' 24'' / 109° 47' 5''	450	450	W	H		29-Jan-15			Z	Z	UTM - LOCKED GATES
314232109444401	D-20-25 12ACA		4210	31° 42' 32'' / 109° 44' 44''			W	I		05-Feb-15	200.6	4009.4	V		
314231109443001	D-20-25 12ADD		4192	31° 42' 31'' / 109° 44' 30''			W	I		05-Feb-15	177	4015	V		
314131109451401	D-20-25 13CBB	622543	4242	31° 41' 31.4'' / 109° 45' 15.4''	653	653	U	U		29-Jan-15	226.8	4015.2	V		
314158109451901	D-20-25 14AAA1	622542	4250	31° 42' 58.3'' / 109° 45' 20.3''	700	700	W	I		29-Jan-15	141.3	4108.7	V		
314153109451701	D-20-25 14AAA2		4248	31° 41' 53.4'' / 109° 45' 20.4''			W	H		29-Jan-15			Z	Z	UTM - MP ACCESS PLUGGED
314149109492201	D-20-25 18AAD		4678	31° 41' 52.7'' / 109° 49' 25.8''			U	U		29-Jan-15	58	4620	S		
314121109492101	D-20-25 18DDA		4600	31° 41' 19.3'' / 109° 49' 14.5''			W	S		29-Jan-15	18.2	4581.8	S		
314107109502201	D-20-25 19BBB	619122	4651	31° 41' 5.7'' / 109° 50' 20.4''	85	85	U	U		29-Jan-15	23.6	4627.4	S		
314020109461201	D-20-25 23CCC	619117	4285	31° 40' 20'' / 109° 46' 12''	233	233	U	U		29-Jan-15			Z	Z	UTM - NO ACCESS
314104109451301	D-20-25 24BBB	622544	4215	31° 41' 6.8'' / 109° 45' 15''	561	561	U	U		29-Jan-15			Z	P	UTM - PUMPING
314039109451301	D-20-25 24CBB	622545	4205	31° 40' 40'' / 109° 45' 15.4''	623	623	U	U		29-Jan-15			Z	Z	UTM - WORKING ON WELL
314012109451301	D-20-25 25BBB	622546	4190	31° 40' 12.7'' / 109° 45' 15.3''	605	605	U	U		29-Jan-15	174.5	4015.5	V		
313948109451301	D-20-25 25CBB	622547	4178	31° 39' 46.1'' / 109° 45' 15.5''	648	648	U	U		29-Jan-15			Z	Z	UTM - NO ACCESS MP PLUGGED
314342109391001	D-20-26 02AAA	618613	4257	31° 43' 45'' / 109° 39' 8''	506	506	W	I		04-Feb-15	327.2	3929.8	V		
314316109394501	D-20-26 02CAA	611926	4226	31° 43' 19'' / 109° 39' 40''	540	540	W	I		28-Jan-15			V	D	DRY @ 289.4 MUD ON PROBE
314315109391501	D-20-26 02DAA	618612	4243	31° 43' 19'' / 109° 39' 9''	534	534	W	I		28-Jan-15	296.4	3946.6	V		
314304109393601	D-20-26 02DCB		4218	31° 43' 0'' / 109° 39' 33''	450	450	U	U		04-Feb-15			V	D	DRY @ 246.3 FT
314336109401101	D-20-26 03AAD2		4219	31° 43' 36'' / 109° 40' 11''			W	I		04-Feb-15	288.8	3930.2	V		
314250109421501	D-20-26 08AAA	607555	4161	31° 42' 53'' / 109° 42' 14''	500	500	U	U		05-Feb-15	175.9	3985.1	V		
314238109401301	D-20-26 10ADA	801655	4191	31° 42' 38.3'' / 109° 40' 13.1''	750	750	W	I		05-Feb-15	203.8	3987.2	V		
314224109391001	D-20-26 11DAA		4209	31° 42' 24'' / 109° 39' 10''			U	U		05-Feb-15	148.7	4060.3	V		MIGHT BE WATER FROM THE SURFACE IN WELL. WEIGHT CAME OFF PROBE RIGHT AFTER METER SPIKED.
314158109381001	D-20-26 13AAA	607999	4231	31° 42' 0'' / 109° 38' 7''	618	618	U	U		04-Feb-15	191.9	4039.1	V		
314133109380901	D-20-26 13DAA	610896	4209	31° 41' 33'' / 109° 38' 9''	190	190	W	H		04-Feb-15	164.7	4044.3	V		
314110109384101	D-20-26 13DCC		4191	31° 41' 10'' / 109° 38' 37''	330	330	U	U		04-Feb-15			Z	Z	UTM - NO ACCESS GATE LOCKED
314158109401501	D-20-26 15AAA	603836	4173	31° 41' 59'' / 109° 40' 11''	650	650	U	U		04-Feb-15			Z	Z	UTM - UNABLE TO LOCATE
314145109401201	D-20-26 15ADA		4168	31° 41' 59'' / 109° 40' 11''			W	I		04-Feb-15	189.9	3978.1	V		
314158109411501	D-20-26 16AAA1	627059	4166	31° 41' 58'' / 109° 41' 13.1''			U	U		04-Feb-15	183.1	3982.9	V		
314155109411401	D-20-26 16AAA2		4165	31° 41' 55'' / 109° 41' 14''			U	U		04-Feb-15			Z	Z	UTM - WELL CAPPED NO MP
314145109411301	D-20-26 16ADA		4158	31° 41' 45'' / 109° 41' 13''			U	U		04-Feb-15	151.6	4006.4	V		
314159109421601	D-20-26 17AAA	86605	4150	31° 41' 59'' / 109° 42' 16''	210	210	W	H		04-Feb-15	110.8	4039.2	V		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314139109430401	D-20-26 17BDC	617290	4137	31° 41' 34.4'' / 109° 42' 59.3''	203	203	W	H	Annually	29-Jan-15	89.1	4047.9	V		
314106109412201	D-20-26 21AAB		4143	31° 41' 6'' / 109° 41' 22''			U	U		04-Feb-15	105.8	4037.2	V		
314039109411301	D-20-26 21DAA	628916	4139	31° 40' 40'' / 109° 41' 12.8''	131	131	U	U		04-Feb-15			V	D	UTM - DRY MUD COVERED PROBE @ 87.5'
314105109405301	D-20-26 22BBA2		4150	31° 41' 6'' / 109° 40' 58''	374	374	U	U		04-Feb-15	115.3	4034.7	V		
314039109391501	D-20-26 23DAA2		4169	31° 40' 40.6'' / 109° 39' 9.2''	150	150	U	U	Annually	29-Jan-15	123.7	4045.3	V		
313959109384201	D-20-26 25BDA	608780	4171	31° 39' 59'' / 109° 38' 37.9''	350	350	W	I		04-Feb-15	126.2	4044.8	V		
313941109390601	D-20-26 25CBC	600023	4158	31° 39' 41'' / 109° 39' 6.9''	300	300	W	H	Annually	29-Jan-15	127	4031	V		
314014109411101	D-20-26 27BBB2	525769	4133	31° 40' 13.3'' / 109° 41' 10.8''	151	151	W	H		04-Feb-15	91.1	4041.9	V		
314001109411201	D-20-26 28ADA		4128	31° 40' 0.6'' / 109° 41' 12.5''			U	U		04-Feb-15			Z	Z	UTM - NO ACCESS FENCED OFF ACCESS PATH BLOCKED WITH DEBRIS
313946109411201	D-20-26 28DAA		4128	31° 39' 45.7'' / 109° 41' 12''			U	U		03-Feb-15			Z	Z	UTM - NO ACCESS
313919109411501	D-20-26 33AAA		4123	31° 39' 17'' / 109° 41' 12.5''	150	150	U	U		03-Feb-15	104.7	4018.3	V		
313907109411501	D-20-26 33ADA		4123	31° 39' 4'' / 109° 41' 12''	502	502	U	U		03-Feb-15	105.9	4017.1	V		
313833109415301	D-20-26 33CDC1		4108	31° 38' 33'' / 109° 41' 53''			U	U		03-Feb-15			V	D	DRY @ 72.2 FT
313833109415401	D-20-26 33CDC2		4108	31° 38' 33'' / 109° 41' 52.9''			W	H		03-Feb-15	87.1	4020.9	V		
313857109411301	D-20-26 33DAA	633802	4124	31° 38' 55.4'' / 109° 41' 12.2''	340	340	U	U		03-Feb-15	104.1	4019.9	V		
313848109411401	D-20-26 33DAD		4120	31° 38' 46.5'' / 109° 41' 12''	150	150	U	U		03-Feb-15	105.3	4014.7	V		
313913109404701	D-20-26 34BAD		4130	31° 39' 12.8'' / 109° 40' 41''	460	460	U	U		03-Feb-15	108.96	4021.04	VT		
313919109405801	D-20-26 34BBA	633796	4127	31° 39' 21.7'' / 109° 40' 57.9''	320	320	U	U		03-Feb-15	104.76	4022.24	VT		
313919109393801	D-20-26 35BAA	629016	4148	31° 39' 21'' / 109° 39' 41.6''	400	400	W	I		04-Feb-15	117.3	4030.7	V		
314159109370101	D-20-27 17BBB		4241	31° 41' 59.1'' / 109° 37' 0.7''			W	H		27-Jan-15	190.5	4050.5	V		
314132109375001	D-20-27 18CAB	607998	4214	31° 41' 32'' / 109° 37' 50''	280	280	U	U		04-Feb-15	174.6	4039.4	V		
314126109374101	D-20-27 18CDA	607997	4209	31° 41' 21'' / 109° 37' 37''	600	600	U	U		04-Feb-15	164.5	4044.5	V		
314132109373601	D-20-27 18DBB	613938	4218	31° 41' 32'' / 109° 37' 36''	450	450	U	U		04-Feb-15			Z	Z	UTM - UTL - GPS WRONG
314105109370701	D-20-27 19AAA	613942	4218.3	31° 41' 7'' / 109° 37' 6''	300	300	U	U		27-Jan-15	172.6	4045.7	V		
314011109373801	D-20-27 30BAA	623715	4190	31° 40' 13.8'' / 109° 37' 36.7''	700	700	U	U		04-Feb-15	139.5	4050.5	V		
314001109373701	D-20-27 30BAD	623707	4186	31° 40' 1'' / 109° 37' 36.7''	414	414	U	U		04-Feb-15	138.1	4047.9	V		
313947109374001	D-20-27 31BAA		4190	31° 39' 21.5'' / 109° 37' 37.4''			U	U		04-Feb-15	139.9	4050.1	V		
313900109374201	D-20-27 31BDD	623718	4194	31° 38' 58'' / 109° 37' 36.2''	720	720	U	U		04-Feb-15			Z	Z	UTM - NO MP
313445109555501	D-21-24 29BCA		4600	31° 34' 45.7'' / 109° 55' 55.5''			W	S		26-Jan-15			Z	Z	UTM - NO ACCESS THREE ROADS TO GET TO WELL ALL OF THEM FENCED OFF WITH LOCKED GATE NOT 2640
313737109562001	D-21-24S06DDC	629298	4539	31° 37' 37.3'' / 109° 56' 21.3''	180	180	W	S		27-Jan-15			Z	Z	UTM - ROAD IMPASSABLE
313611109472001	D-21-25 15DBC	619107	4218.55	31° 36' 11.8'' / 109° 47' 20.6''			U	U		27-Jan-15			V	D	UTM - DRY @ 144.9 MUD ON PROBE
313327109481201	D-21-25 33DAC	604010	4219	31° 33' 29'' / 109° 48' 12''	160	160	W	S		27-Jan-15			Z	Z	UTM - NO ACCESS ROAD WASHED OUT
313814109390301	D-21-26 01ACA2		4170	31° 38' 13'' / 109° 39' 1.4''			U	U		04-Feb-15			V	O	@139.6 FT
313819109395001	D-21-26 02AAD2	802775	4147	31° 38' 19.5'' / 109° 39' 49.6''	396	396	W	H		03-Feb-15	127.2	4019.8	V		
313826109402301	D-21-26 02BAA		4130	31° 38' 29.1'' / 109° 40' 21''	124.5	124.5	U	U	Annually	29-Jan-15	115.3	4014.7	VT		VERIFIED WITH SOUNDER
313802109402101	D-21-26 02CAA		4135	31° 38' 2.1'' / 109° 40' 21.7''			U	U		03-Feb-15	127.64	4007.36	VT		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313740109403801	D-21-26 02CCD	609654	4141	31° 37' 45.5'' / 109° 40' 34''	387	387	W	I	Annually	29-Jan-15	136.3	4004.7	V		
313754109401901	D-21-26 02DBC	633804	4144	31° 37' 54'' / 109° 40' 19''	300	300	U	U		03-Feb-15	138.3	4005.7	V		
313740109394901	D-21-26 02DDD		4162	31° 37' 40.8'' / 109° 39' 55.3''	601	601	U	U		03-Feb-15	153.2	4008.8	VT		
313820109415501	D-21-26 04ADA		4107	31° 38' 15'' / 109° 41' 51''	620	620	U	U		03-Feb-15			Z	Z	UTM -LOCKED
313709109415501	D-21-26 09DAA	608665	4106	31° 37' 12.6'' / 109° 41' 51.6''	630	630	W	I		02-Feb-15	115.1	3990.9	V		
313710109405101	D-21-26 10ADD	621040	4132	31° 37' 15'' / 109° 40' 51''	150	150	W	H		02-Feb-15	140.9	3991.1	V		
313558109393701	D-21-26 13CCD	602367	4182	31° 35' 59.5'' / 109° 39' 36.5''	350	350	W	P		02-Feb-15	186.7	3995.3	V		
313603109390601	D-21-26 13DCA	638799	4197	31° 36' 2'' / 109° 39' 6.7''	352	352	W	P		03-Feb-15	193	4004	V		
313641109412101	D-21-26 15BAA		4115	31° 36' 40.4'' / 109° 41' 20.4''	218	218	W	S		02-Feb-15	139.4	3975.6	V		
313555109413501	D-21-26 15CCD		4114	31° 35' 54'' / 109° 41' 35.1''			W	H		02-Feb-15	140.7	3973.3	V		
313643109415701	D-21-26 16AAA	625719	4102	31° 36' 41.7'' / 109° 41' 51.1''	442	442	W	I		02-Feb-15	120.2	3981.8	V		
313618109422601	D-21-26 16CAA	608662	4092	31° 36' 17.1'' / 109° 42' 22.1''	665	665	W	I		02-Feb-15	118.2	3973.8	V		
313618109415401	D-21-26 16DAA	625720	4103	31° 36' 20.4'' / 109° 41' 51.7''	529	529	W	I		27-Jan-15	132.7	3970.3	V		
313558109435301	D-21-26 17CCC2		4077	31° 35' 58'' / 109° 43' 53''			W	H		03-Feb-15	56.1	4020.9	V		
313630109443001	D-21-26 18ACB	606360	4094	31° 36' 31.9'' / 109° 44' 24.7''	660	660	U	U		03-Feb-15	66.8	4027.2	V		
313617109445401	D-21-26 18CBB	607947	4118	31° 36' 17.4'' / 109° 44' 54.3''	712	712	U	H		03-Feb-15	79	4039	V		
313541109445501	D-21-26 19BBC1		4114	31° 35' 40.6'' / 109° 44' 54.5''	248	248	W	I		03-Feb-15	98.9	4015.1	V		
313528109445301	D-21-26 19BCC2		4118	31° 35' 28'' / 109° 44' 54''	192	192	W	H	none	07-Feb-15	94.7	4023.3	V		
313529109444401	D-21-26 19BCD		4108	31° 35' 27.2'' / 109° 44' 43.1''	210	210	W	I		03-Feb-15	96.4	4011.6	V		
313521109445501	D-21-26 19CBB		4114	31° 35' 22'' / 109° 44' 55''	200	200	W	I		27-Jan-15	67.4	4046.6	V		
313533109423801	D-21-26 21BCA	628028	4082	31° 35' 33.6'' / 109° 42' 37.7''	197	197	U	U		27-Jan-15	77.9	4004.1	V		
313551109400901	D-21-26 23ABA		4158	31° 35' 48.7'' / 109° 40' 10.6''	564	564	U	U		27-Jan-15	180.1	3977.9	V		
313522109401101	D-21-26 23DBB	618310	4159	31° 35' 20.9'' / 109° 40' 10.7''	496	496	U	U		28-Jan-15	186.4	3972.6	V		
313550109392001	D-21-26 24ABB	632767	4196	31° 35' 51.4'' / 109° 39' 15.4''	180	180	W	I	Annually	29-Jan-15	195.6	4000.4	V		
313434109402001	D-21-26 26CAA	618312	4150	31° 34' 34.7'' / 109° 40' 19''	320	320	U	U		28-Jan-15	185.1	3964.9	V		
313417109395201	D-21-26 26DDA	641722	4168	31° 34' 18.4'' / 109° 39' 49.2''	308	308	W	H		28-Jan-15	201.7	3966.3	V		
313420109412101	D-21-26 27CDA		4116	31° 34' 20.8'' / 109° 41' 21.2''			U	U		28-Jan-15	140.3	3975.7	V		
313412109412601	D-21-26 27CDD		4113	31° 34' 12.8'' / 109° 41' 25.7''			U	U		28-Jan-15	138.4	3974.6	V		
313409109405001	D-21-26 27DDD	618306	4132	31° 34' 9.3'' / 109° 40' 49.5''	305	305	U	U		28-Jan-15	166.9	3965.1	V		
313442109415201	D-21-26 28ADA	609283	4098	31° 34' 42'' / 109° 41' 52''	450	450	U	U		28-Jan-15	128.6	3969.4	V		
313441109425301	D-21-26 29ADD		4070	31° 34' 39.1'' / 109° 42' 53.1''			U	U		28-Jan-15	73.4	3996.6	V		
313420109425801	D-21-26 29DDD	606571	4068	31° 34' 14.2'' / 109° 42' 53''	125	125	U	U		28-Jan-15	70.3	3997.7	V		
313343109425401	D-21-26 32ADD	602708	4074	31° 33' 43'' / 109° 42' 53.2''	260	260	W	H		04-Feb-15	74.6	3999.4	V		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313332109430001	D-21-26 32DAD	602706	4077.24	31° 33' 34.09'' / 109° 42' 53.63''	400	400	U	U	Transducer	08-Oct-14	82.14	3995.1	VT		
313332109430001	D-21-26 32DAD	602706	4077.24	31° 33' 34.09'' / 109° 42' 53.63''	400	400	U	U	Transducer	24-Jun-15	81.56	3995.68	VT		
313332109430001	D-21-26 32DAD	602706	4077.24	31° 33' 34.09'' / 109° 42' 53.63''	400	400	U	U	Transducer	08-Jan-15	81.07	3996.17	VT		
313332109430001	D-21-26 32DAD	602706	4077.24	31° 33' 34.09'' / 109° 42' 53.63''	400	400	U	U	Transducer	16-Dec-14	80.65	3996.59	VT		
313327109425401	D-21-26 32DDA		4073	31° 33' 27'' / 109° 42' 54''			U	U		04-Feb-15	78.2	3994.8	V		
313335109324001	D-21-26 33CBA		4082	31° 33' 35.9'' / 109° 42' 40.1''			W	I		04-Feb-15	105.9	3976.1	V		
313339109413501	D-21-26 34CBA	606469	4104	31° 33' 40'' / 109° 41' 35.5''	505	505	U	U		29-Jan-15	136.2	3967.8	V		
313405109385001	D-21-26 36AAA	625326	4212	31° 34' 7.8'' / 109° 38' 47.2''	640	640	U	U		29-Jan-15	242.1	3969.9	V		
313403109392201	D-21-26 36BAA	625327	4189	31° 34' 7.8'' / 109° 39' 19.6''	850	850	U	U		29-Jan-15	222.7	3966.3	V		
313339109392401	D-21-26 36CAA	625329	4189	31° 33' 41.6'' / 109° 39' 18.5''	900	900	U	U		29-Jan-15	226.1	3962.9	V		
313816109374501	D-21-27 06ADA	618341	4208	31° 38' 15.6'' / 109° 37' 45.1''	930	930	U	U		04-Feb-15	166.6	4041.4	V		
313720109381701	D-21-27 07BDA		4218	31° 37' 22.7'' / 109° 38' 15.8''	588	588	U	U		03-Feb-15	193.2	4024.8	V		
313649109374901	D-21-27 07DDD		4243	31° 36' 47.4'' / 109° 37' 46.5''	650	650	U	U		03-Feb-15	210.2	4032.8	V		
313704109372801	D-21-27 08CAA		4252	31° 37' 12'' / 109° 37' 16.3''	700	700	U	U		27-Jan-15	217.5	4034.5	V		
313610109371901	D-21-27 17CAD		4274	31° 36' 10.2'' / 109° 37' 15.6''	520	520	U	U		27-Jan-15	244.7	4029.3	V		
313631109381901	D-21-27 18BDA		4225	31° 36' 28.3'' / 109° 38' 16.4''	700	700	U	U		03-Feb-15	206.5	4018.5	V		
313558109382001	D-21-27 18CDD		4233	31° 35' 55.8'' / 109° 38' 16.5''	700	700	W	S		03-Feb-15	217.7	4015.3	V		
313527109365501	D-21-27 20DAB	624486	4300	31° 35' 26.5'' / 109° 36' 52.2''			W	S		27-Jan-15	277.8	4022.2	V		
313534109362101	D-21-27 21BDB	573278	4325	31° 35' 34.5'' / 109° 36' 21.4''	420	420	W	H		27-Jan-15	286.1	4038.9	V		
313522109355601	D-21-27 21DAB	580544	4350	31° 35' 21.6'' / 109° 35' 55.7''	300	300	W	H		27-Jan-15	224.3	4125.7	V		
313550109344301	D-21-27 22AAA		4398	31° 35' 46.4'' / 109° 34' 45.5''			U	U		27-Jan-15	108.5	4289.5	V		
313512109341601	D-21-27 23CDD		4410	31° 35' 7.8'' / 109° 34' 12.1''			U	U		28-Jan-15	92.7	4317.3	V		
313450109343201	D-21-27 26BBD	644066	4395	31° 34' 51.8'' / 109° 34' 32.1''			U	U		28-Jan-15	74.6	4320.4	V		
313353109363401	D-21-27 33BCA	624483	4295	31° 33' 57'' / 109° 36' 22.9''	346	346	U	U		28-Jan-15	269.1	4025.9	V		
313318109353801	D-21-27 34CCC	616401	4292	31° 33' 17.7'' / 109° 35' 40''	245	245	U	U	Annually	28-Jan-15	220.7	4071.3	V		
313500109323501	D-21-28W19DDD2	643786	4520	31° 34' 59.4'' / 109° 32' 34.6''	92	92	U	U		28-Jan-15	54	4466	V		
313306109452001	D-22-25 01ABC	512457	4108	31° 33' 4.4'' / 109° 45' 20.8''	150	150	W	H		27-Jan-15			Z	Z	UTM - NO ACCESS MP SEALED
313314109453001	D-22-25 01BAA1	600610	4112	31° 33' 13.2'' / 109° 45' 28.9''	161	161	W	H		27-Jan-15	102.4	4009.6	V		
313312109453001	D-22-25 01BAA2	644980	4112	31° 33' 10.9'' / 109° 45' 29.6''	200	200	W	H		27-Jan-15	102	4010	V		
313313109454201	D-22-25 01BBA		4119	31° 33' 13'' / 109° 45' 42''			W	H		27-Jan-15			Z	Z	UTM - NO ACCESS NO ONE HOME

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313258109454101	D-22-25 01BDB	608337	4117	31° 32' 57'' / 109° 45' 38''	250	250	U	U		27-Jan-15	106	4011	R	Z	UTM - OWNER DOES NOT WELL MEASURED. OWNER SAID THE WELL IS AT 106
313247109455501	D-22-25 01CBB	608666	4121	31° 32' 48.2'' / 109° 45' 53.3''	1005	1005	W	I		27-Jan-15	103.9	4017.1	V		
313248109450101	D-22-25 01DAA2		4097	31° 32' 48'' / 109° 45' 1''			U	U		27-Jan-15			Z	Z	UTM - NO ACCESS LOCKED GATE
313210109452301	D-22-25 12ACB	642912	4103	31° 32' 10'' / 109° 45' 24''	200	200	W	H		27-Jan-15			V	O	UTM - NO MP ON WELL TOP OBS WHEN WENT DOWN SIDE HOLE ON SIDE OF SLAB.
313155109454901	D-22-25 12CBB2		4113	31° 31' 55.3'' / 109° 45' 48.8''			W	H		27-Jan-15	96.4	4016.6	V		
313147109455401	D-22-25 12CBC		4113	31° 31' 46.6'' / 109° 45' 54''	200	200	W	H		28-Jan-15	94.3	4018.7	V		
313135109455501	D-22-25 12CCC2		4113	31° 31' 35'' / 109° 45' 55''			W	H		27-Jan-15			Z	Z	UTM - NO ACCESS OWNER DENIED
313105109455401	D-22-25 13BCC	627914	4115	31° 31' 7'' / 109° 45' 51''	150	150	W	H		27-Jan-15			V	O	UTM - OBS @ 20.1'
313106109461101	D-22-25 14ADC	500799	4133	31° 31' 6'' / 109° 46' 11''	217	217	W	H		27-Jan-15			Z	Z	UTM - NO ACCESS ELECTRIC FENCE
313107109461601	D-22-25 14ADD2		4125	31° 31' 5.8'' / 109° 46' 4''			U	U	Annually	27-Jan-15			V	D	UTM - DRY
313042109470201	D-22-25 15DDD		4188	31° 30' 42'' / 109° 46' 59''			U	U		27-Jan-15			V	Z	UTM - WEAK SINGNLE MUD ON PROBE@155.4
312945109451801	D-22-25 25ABA	611211	4112	31° 29' 45'' / 109° 45' 18''	200	200	W	H		28-Jan-15			Z	O	UTM - OBS @ MP
312945109452501	D-22-25 25ABB2		4120	31° 29' 45'' / 109° 45' 25''	220	220	W	H		28-Jan-15	105	4015	R	Z	UTM - NO ACCESS BY OWNER. OWNER REPORTS WL @ 105
312922109452301	D-22-25 25ACC1	604433	4118	31° 29' 26.5'' / 109° 45' 20.4''	150	150	U	U		28-Jan-15	106.8	4011.2	V		
312922109452201	D-22-25 25ACC2	87753	4118	31° 29' 26.5'' / 109° 45' 21.4''	200	200	W	H		28-Jan-15	107.1	4010.9	V		
312909109452101	D-22-25 25DBC1	608858	4118	31° 29' 9'' / 109° 45' 22.5''	220	220	W	S		28-Jan-15	105.9	4012.1	S		
312852109452501	D-22-25 36ABB	616399	4118	31° 28' 52'' / 109° 45' 25''	207	207	W	S		28-Jan-15			Z	Z	UTM - NO ACCESS ROAD FENCED / LOCKED
313310109392301	D-22-26 01BAA	803489	4185	31° 33' 15.1'' / 109° 39' 17.6''	597	597	U	U		05-Feb-15	222.3	3962.7	V		
313217109392001	D-22-26 01CDD	607543	4163	31° 32' 23.1'' / 109° 39' 22.7''	600	600	U	U		05-Feb-15	208.8	3954.2	V		
313310109395501	D-22-26 02AAA	607540	4165	31° 33' 14.9'' / 109° 39' 51.1''	617	617	W	H	Annually	05-Feb-15	207	3958	V		
313244109415901	D-22-26 04DAA2		4095	31° 32' 44'' / 109° 41' 52''	351	351	U	U		04-Feb-15	124.1	3970.9	V		
313242109415501	D-22-26 04DAD		4095	31° 32' 41.4'' / 109° 41' 52.8''	275	275	W	H	Annually	20-May-15	132.7	3962.3	V		
313210109394801	D-22-26 11ADA2		4145	31° 32' 10.4'' / 109° 39' 49.1''			U	U		05-Feb-15	190.6	3954.4	V		
313104109391801	D-22-26 13CAA		4116	31° 31' 4.2'' / 109° 39' 17.9''			U	U		05-Feb-15	165	3951	V		
313039109384901	D-22-26 13DDD		4115	31° 30' 38.3'' / 109° 38' 46.6''			U	U		05-Feb-15	173.5	3941.5	V		
313058109404401	D-22-26 14CBC1		4082	31° 30' 57.3'' / 109° 40' 46.1''			U	U		05-Feb-15	113.3	3968.7	V		
313059109404301	D-22-26 14CBC2		4082	31° 30' 58.3'' / 109° 40' 44.1''			W	S		05-Feb-15	115.4	3966.6	V		
313101109412701	D-22-26 15CBA	623075	4071	31° 31' 3'' / 109° 41' 35''	400	400	W	I		05-Feb-15	111.3	3959.7	V		
313051109412101	D-22-26 15CDA	623077	4068	31° 30' 51'' / 109° 41' 21''			U	U		05-Feb-15	100.7	3967.3	V		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312948109415101	D-22-26 21DDD2		4042	31° 29' 48.1'' / 109° 41' 51.6''			W	I		03-Feb-15	60.7	3981.3	S		
312930109413801	D-22-26 27BCA		4035	31° 29' 32.6'' / 109° 41' 38''	210	210	W	H		03-Feb-15	62.2	3972.8	S		
312919109415001	D-22-26 27CBB	622163	4027	31° 29' 18.8'' / 109° 41' 49.7''	300	300	W	I		03-Feb-15	57.7	3969.3	S		
312906109420401	D-22-26 28DDB		4021	31° 29' 6.4'' / 109° 42' 4.2''	263	263	W	I		03-Feb-15			Z	Z	UTM-NO ACCESS
312923109434901	D-22-26 29BCC1		4059	31° 29' 20.5'' / 109° 43' 51.3''			W	H	Annually	28-Jan-15	71.3	3987.7	S		
312833109444501	D-22-26 31BCD		4085	31° 28' 29'' / 109° 44' 43.8''			U	U		04-Feb-15	75.4	4009.6	S		
312803109444501	D-22-26 31CCD	624411	4090	31° 28' 1.8'' / 109° 44' 47.8''	250	250	W	H	Annually	28-Jan-15	81.1	4008.9	V		
312812109440001	D-22-26 31DAD		4058	31° 28' 14.6'' / 109° 43' 54.9''	380	380	W	S		03-Feb-15	64.8	3993.2	S		
312853109420401	D-22-26 33AAB		4015	31° 28' 53.1'' / 109° 42' 4''			W	I		03-Feb-15	43.8	3971.2	S		
312801109414901	D-22-26 34CCC	629956	4005	31° 28' 1.3'' / 109° 41' 49''	125	125	W	P		03-Feb-15	38.1	3966.9	S		
312825109403501	D-22-26 35CBA		4020	31° 28' 24.9'' / 109° 40' 35.1''			U	U		03-Feb-15	64.4	3955.6	V		
313310109375001	D-22-27 06AAA	625320	4232	31° 33' 15.2'' / 109° 37' 46.5''	618	618	U	U		05-Feb-15	247.9	3984.1	V		
313312109381701	D-22-27 06BAA	625319	4219	31° 33' 15.3'' / 109° 38' 16.7''	850	850	U	U		05-Feb-15	241.2	3977.8	V		
313213109372901	D-22-27 08BAC	624481	4209	31° 32' 15'' / 109° 37' 29''	276	276	W	S		28-Jan-15	228.6	3980.4	V		
313108109354301	D-22-27 16ADD	624488	4210	31° 31' 8'' / 109° 35' 44.1''	224	224	U	U		28-Jan-15			V	D	DRY AT 225 FEET
313035109374401	D-22-27 19AAA	624482	4148	31° 30' 35.4'' / 109° 37' 44.6''			U	U		28-Jan-15	214.6	3933.4	V		
312858109325001	D-22-27 25DDB	586275	4220	31° 28' 57.6'' / 109° 32' 49.5''	440	440	W	H		29-Jan-15	156.7	4063.3	V		
312910109343601	D-22-27 26CBB	603726	4212	31° 29' 11.8'' / 109° 34' 40.7''	440	440	W	H		29-Jan-15	320	3892	V		
313309109283301	D-22-28 03AAB		4735	31° 33' 12.6'' / 109° 28' 35.2''			W	S		27-Jan-15			Z	Z	UTM - ROAD WASHED OUT PER OWNER.
313135109351201	D-22-28 07CDA		4400	31° 31' 35'' / 109° 35' 12.1''			U	U		29-Jan-15	43.3	4356.7	V		
313136109321501	D-22-28 07CDC		4400	31° 31' 29.6'' / 109° 32' 16.4''			U	U		29-Jan-15	52.6	4347.4	V		
313136109312401	D-22-28 08CCB2		4775	31° 31' 36.9'' / 109° 31' 24.3''			W	S		29-Jan-15	32.5	4742.5	V		
313213109271101	D-22-28 12BBA	632390	4820	31° 32' 13.4'' / 109° 27' 10.8''			W	H		27-Jan-15	29.8	4790.2	S		
313148109270801	D-22-28 12CBA		4780	31° 31' 50.1'' / 109° 27' 9.1''			U	U		27-Jan-15			V	D	
313059109264501	D-22-28 13ACD		4720	31° 30' 58.3'' / 109° 26' 45.1''			U	U		27-Jan-15	41.6	4678.4	V		
313109109294801	D-22-28 16ACA	579301	4550	31° 31' 9.1'' / 109° 29' 47.9''	75	75	W	S		27-Jan-15	13.6	4536.4	S		
313016109263701	D-22-28 24ADB1		4660	31° 30' 17.4'' / 109° 26' 35.3''			W	S		27-Jan-15	31	4629	V		
313017109220001	D-22-28 24BDB		4652	31° 30' 14.9'' / 109° 27' 3.7''			W	S		27-Jan-15	49.2	4602.8	V		
312822109273401	D-22-28 35DAB		4511	31° 28' 21.5'' / 109° 27' 33.8''			W	S		26-Jan-15	60.6	4450.4	V		
312856109315701	D-22-28E30DCB	500115	4260	31° 28' 57.2'' / 109° 31' 55.5''	287	287	W	H		29-Jan-15	139.7	4120.3	V		
312800109321701	D-22-28E31CCC	602094	4200	31° 28' 0'' / 109° 32' 28''	200	200	W	H		29-Jan-15	129.9	4070.1	V		
313153109261001	D-22-29 07BCD		4840	31° 31' 52.7'' / 109° 26' 10.5''			W	S		27-Jan-15			Z	Z	UTM - LOCKED GATE
313146109260801	D-22-29 07CBA		4860	31° 31' 48.4'' / 109° 26' 9''			W	S		27-Jan-15			Z	Z	UTM - LOCKED GATE

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312839109261901	D-22-29 31BBC	644190	4639	31° 28' 40.2'' / 109° 26' 20.7''	90	90	U	U		28-Jan-15	15.4	4623.6	S		
312840109262101	D-22-29 31BBC2		4625	31° 28' 40.4'' / 109° 26' 21''			W	S		28-Jan-15	273.9	4351.1	V		
312744109451101	D-23-25 01ACA		4118	31° 27' 44'' / 109° 45' 11''			W	H		28-Jan-15			Z	Z	UTL - NO WELL AT GPS OR CADASTRAL
312730109451301	D-23-25 01DBA2	613308	4122	31° 27' 30'' / 109° 45' 13''	225	225	W	H		28-Jan-15	114.8	4007.2	V		
312722109462501	D-23-25 02DBA	608859	4202	31° 27' 29'' / 109° 46' 18''	300	300	W	S		28-Jan-15			Z	Z	UTM - NO ACCESS GATE LOCKED
312746109472301	D-23-25 03ACA	616418	4280	31° 27' 46'' / 109° 47' 23''	300	300	W	S		28-Jan-15			Z	Z	UTM - NO ACCESS LOCKED GATE
312717109483001	D-23-25 04DCB	525900	4395	31° 27' 16.7'' / 109° 48' 30.2''	400	400	W	S		28-Jan-15	345.9	4049.1	V		
312738109495701	D-23-25 05BCD	610149	4760	31° 27' 37.7'' / 109° 49' 56.9''	200	200	W	H		28-Jan-15	75.6	4684.4	V		
312738109495702	D-23-25 05BCD2	216926	4760	31° 27' 37.8'' / 109° 49' 56.8''	326	326	W	H		28-Jan-15	76	4684	V		
312637109492901	D-23-25 08CAD		4557.3	31° 26' 36.1'' / 109° 49' 35.5''	263	263	W	H		29-Jan-15			V	O	UTM - OBS @ 25' WELL COLLAPSED
312637109493601	D-23-25 08CAD2		4557	31° 26' 36.7'' / 109° 49' 36.5''			U	U		29-Jan-15	344.2	4212.8	V		
312647109483901	D-23-25 09BDC		4450	31° 26' 47'' / 109° 48' 39''			W	S		29-Jan-15			Z	Z	UTM - NO ACCESS LOCKED GATE
312705109451401	D-23-25 12ABA2	512712	4138	31° 27' 5'' / 109° 45' 14''	200	200	W	H		29-Jan-15	121.8	4016.2	S		
312656109452901	D-23-25 12ACB	86390	4155	31° 26' 56'' / 109° 45' 29''	210	210	U	U		29-Jan-15	140.4	4014.6	V		
312423109454401	D-23-25 25BBD		4238	31° 24' 19.4'' / 109° 45' 49.7''			W	H		29-Jan-15	197.2	4040.8	V		
312339109454401	D-23-25 25CCD2		4290	31° 23' 39.4'' / 109° 45' 36''			W	H		29-Jan-15	177.2	4112.8	V		
312343109453401	D-23-25 25CDD	913726	4260	31° 23' 43.1'' / 109° 45' 34.5''	345	345	W	H		29-Jan-15	171.9	4088.1	V		
312346109462301	D-23-25 26DCB		4330	31° 23' 46'' / 109° 46' 23''			U	U		29-Jan-15	241.2	4088.8	V		
312333109455901	D-23-25 35AAA	631645	4315	31° 23' 33'' / 109° 45' 59''	350	350	W	H		29-Jan-15	220.8	4094.2	V		
312724109392701	D-23-26 01CAC	623973	4008	31° 27' 21'' / 109° 39' 32''	136	136	U	U		04-Feb-15	60.2	3947.8	S		
312709109414901	D-23-26 03CCC1	601301	4022	31° 27' 9.8'' / 109° 41' 49.3''	175	175	U	U		28-Jan-15			Z	Z	UTM-LOCKED GATE
312800109423501	D-23-26 04BAB		4018	31° 27' 59'' / 109° 42' 34.7''			W	S		28-Jan-15	44.8	3973.2	S		
312712109435001	D-23-26 05CCC2		4068	31° 27' 13.3'' / 109° 43' 49.7''			U	U		28-Jan-15	78.1	3989.9	S		
312702109443501	D-23-26 07BAB2		4102	31° 27' 2.7'' / 109° 44' 36.5''			W	H		28-Jan-15	99.7	4002.3	V		
312658109411701	D-23-26 10ABC	611161	4013	31° 26' 59.6'' / 109° 41' 19.2''	125	125	W	H		28-Jan-15	61.7	3951.3	S		
312658109412901	D-23-26 10BAC	611217	4015	31° 26' 58'' / 109° 41' 29''	120	120	W	S		28-Jan-15	56.1	3958.9	S		
312656109390901	D-23-26 12ABC	619562	4005	31° 26' 59.6'' / 109° 39' 16.8''	110	110	W	H	Annually	28-Jan-15	59.5	3945.5	S		
312527109395701	D-23-26 13CCC1	625680	4009	31° 25' 24.3'' / 109° 39' 43.8''			U	U	Annually	28-Jan-15	96.3	3912.7	S		
312539109414901	D-23-26 15CBC	625692	4046	31° 25' 39.3'' / 109° 41' 48.4''			W	S		28-Jan-15	89.6	3956.4	S		
312448109450001	D-23-26 19CBC2	603927	4158	31° 24' 43.4'' / 109° 44' 56.2''	326	326	W	I	Annually	28-Jan-15			Z	Z	UTM-BEES
312438109395201	D-23-26 23DDA	625700	4025	31° 24' 38'' / 109° 39' 52''			U	U		02-Feb-15	94	3931	S		
312431109400401	D-23-26 23DDC	625678	4031	31° 24' 32'' / 109° 39' 56''	250	250	W	S		02-Feb-15			Z	Z	UTM-LOCKED GATE
312454109393201	D-23-26 24BCD	625679	4015	31° 24' 54'' / 109° 39' 34''	170	170	U	U		02-Feb-15			Z	Z	UTM-BEES

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312356109394701	D-23-26 25CBC	625674	4042	31° 23' 56.3'' / 109° 39' 48.7''	323	323	U	U		02-Feb-15	100.1	3941.9	S		
312348109394701	D-23-26 25CCC	625677	4050	31° 23' 39'' / 109° 39' 47''	270	270	U	U		02-Feb-15	104	3946	S		
312407109400501	D-23-26 26ACD	633420	4045	31° 24' 5.2'' / 109° 40' 8.1''	194	194	W	H		02-Feb-15	104.4	3940.6	S		
312403109403401	D-23-26 26BDC	633418	4052	31° 24' 3.4'' / 109° 40' 28.8''	260	260	U	U		02-Feb-15			Z	Z	UTM-LOCKED GATE
312337109403501	D-23-26 26CDC	633417	4066	31° 23' 37'' / 109° 40' 34.9''	265	265	U	U		02-Feb-15			Z	Z	UTM-LOCKED GATE
312340109413501	D-23-26 27CDB	625691	4083	31° 23' 44.4'' / 109° 41' 34.9''			W	S		02-Feb-15			Z	Z	UTM-LOCKED GATE
312402109432901	D-23-26 29CAD	625693	4130	31° 23' 59.4'' / 109° 43' 26''	200	200	W	S		02-Feb-15			Z	Z	UTM-LOCKED GATE
312247109442801	D-23-26 31CDD	629636	4202	31° 22' 47.3'' / 109° 44' 29.6''			W	P		28-Jan-15	168.8	4033.2	S		
312743109355401	D-23-27 04ADB		4110	31° 27' 45.3'' / 109° 35' 54.7''			U	U		03-Feb-15	253.9	3856.1	V		
312717109362601	D-23-27 04CDB		4075	31° 27' 16.7'' / 109° 36' 26.4''			U	U		03-Feb-15	238.6	3836.4	V		
312704109380501	D-23-27 07ABA		4025	31° 27' 4.8'' / 109° 38' 2''	252	252	U	U		04-Feb-15	93.4	3931.6	V		
312703109373201	D-23-27 08BBA	636992	4041.8	31° 27' 4.2'' / 109° 37' 33.1''	180	180	W	H		04-Feb-15	110.2	3931.6	V		
312657109360001	D-23-27 09AAC	516373	4068	31° 26' 55.6'' / 109° 36' 3''	625	625	W	P		03-Feb-15	228.6	3839.4	V		
312638109355901	D-23-27 09DAB	617653	4055	31° 26' 39.9'' / 109° 35' 56.8''	500	500	U	U	Annually	03-Feb-15	220.5	3834.5	V		
312550109330901	D-23-27 13ACB		4142	31° 25' 55.4'' / 109° 33' 10.4''			U	U		04-Feb-15	314.4	3827.6	V		
312612109364801	D-23-27 17AAA	617651	4025	31° 26' 13'' / 109° 36' 50.2''	400	400	W	I		03-Feb-15	186.8	3838.2	V		
312611109373801	D-23-27 17BBA	607546	4004	31° 26' 7.2'' / 109° 37' 40''	125	125	U	I		03-Feb-15	73.5	3930.5	V		
312432109384501	D-23-27 19CCC2	625682	4005	31° 24' 30'' / 109° 38' 46''	872	872	U	U		03-Feb-15			V	Z	UTM - DRY @ 37'
312430109380201	D-23-27 19DDC	629023	3991	31° 24' 31.7'' / 109° 38' 2''	160	160	W	I		03-Feb-15			Z	Z	UTM-LOCKED GATE
312446109354601	D-23-27 21DAD		4012	31° 24' 41.7'' / 109° 35' 46.3''	180	180	U	U		03-Feb-15	83.2	3928.8	V		
312433109344901	D-23-27 22DDA2		4042	31° 24' 35.8'' / 109° 34' 48.1''	350	350	U	U	Annually	03-Feb-15	244	3798	V		
312415109350001	D-23-27 27ACA		4022	31° 24' 14.6'' / 109° 35' 0.6''	290	290	U	U		04-Feb-15	234.7	3787.3	V		
312407109361301	D-23-27 28ACC1	635916	3982	31° 24' 6.9'' / 109° 36' 13.6''			W	H		03-Feb-15	165.8	3816.2	V		
312405109361501	D-23-27 28ACC2	552901	3982	31° 24' 6.9'' / 109° 36' 13.7''	220	220	U	U		03-Feb-15	105.4	3876.6	V		
312419109383801	D-23-27 30BBD		4005	31° 24' 22.4'' / 109° 38' 48.2''			U	U		03-Feb-15	86.1	3918.9	S		
312338109384401	D-23-27 30CCC1	625683	4021	31° 23' 43.2'' / 109° 38' 45.8''	925	925	U	U		03-Feb-15			Z	Z	UTM-LOCKED GATE
312302109364801	D-23-27 32DAD2		3978	31° 22' 58.9'' / 109° 36' 49.2''	280	280	W	H		04-Feb-15	64.9	3913.1	V		
312330109344601	D-23-27 34AAA	806697	4010	31° 23' 32.3'' / 109° 34' 46.7''	600	600	W	P		03-Feb-15	244.6	3765.4	V		
312312109345001	D-23-27 34ADD		4002	31° 23' 12.5'' / 109° 34' 47.4''	282	282	U	U		03-Feb-15	243.6	3758.4	V		
312320109352501	D-23-27 34BCA	637419	3984	31° 23' 22'' / 109° 35' 34.3''	201	201	W	H		03-Feb-15	84.7	3899.3	V		
312334109342601	D-23-27 35BAB		4021	31° 23' 33.5'' / 109° 34' 25.7''			U	U		03-Feb-15	259.1	3761.9	V		
312722109272401	D-23-28 01CBA	630602	4475	31° 27' 22'' / 109° 27' 24''	310	16	W	S		26-Jan-15	68.9	4406.1	S		
312717109285001	D-23-28 03DAC1	643078	4381	31° 27' 18.6'' / 109° 28' 50.4''	38	38	U	U		27-Jan-15			Z	Z	UTM - NO ACCESS INTO WELLL; NEEDS TO BE TAPPED.
312717109285201	D-23-28 03DAC2	643076	4381	31° 27' 19.6'' / 109° 28' 50.7''	55	55	W	H		27-Jan-15			Z	P	UTM - PUMPING
312718109285101	D-23-28 03DAC3	643077	4381	31° 27' 18'' / 109° 28' 52.9''	50	50	W	S		27-Jan-15	32.7	4348.3	V	S	03DAC2 PUMPING

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312619109314501	D-23-28 07DDA		4215	31° 26' 19.4'' / 109° 31' 45.6''			U	U		02-Feb-15	138.7	4076.3	V		
312615109304201	D-23-28 08DDD		4258	31° 26' 14.5'' / 109° 30' 37.6''			U	U	Annually	02-Feb-15	68.4	4189.6	V		
312654109301401	D-23-28 09BAD2		4303	31° 26' 54.1'' / 109° 30' 13.1''			U	U		29-Jan-15	53.2	4249.8	V		
312623109281001	D-23-28 11CDA		4434	31° 26' 23'' / 109° 28' 10''			W	S		28-Jan-15			Z	P	UTM - PUMPING
312528109272501	D-23-28 13CCA	630597	4489	31° 25' 29.2'' / 109° 27' 25.2''	258	258	W	S		28-Jan-15	184.7	4304.3	V		
312550109290401	D-23-28 15DBD		4328	31° 25' 34'' / 109° 28' 52''	175	175	W	S		28-Jan-15			Z	O	UTM - OBSTRUCTED @ 17'.
312610109323901	D-23-28 18BBB		4170	31° 26' 10.4'' / 109° 32' 39.6''	330	330	U	U		02-Feb-15	223.6	3946.4	V		
312412109270001	D-23-28 25ACB	630596	4525	31° 24' 13.3'' / 109° 27' 0''	500	500	W	S		28-Jan-15	230.8	4294.2	V		
312420109281901	D-23-28 26BAB		4350	31° 24' 20.9'' / 109° 28' 20''	130	130	W	S		28-Jan-15	48.4	4301.6	S		
312248109323801	D-23-28 31CCC		4042	31° 22' 45.3'' / 109° 32' 37.3''			U	U	Annually	03-Feb-15	337.1	3704.9	V		
312145109452401	D-24-25 12ABB	623290	4257	31° 21' 49'' / 109° 45' 23.6''	185	185	U	U		29-Jan-15	152.6	4104.4	V		
312039109453901	D-24-25 13BDC		4292	31° 20' 39'' / 109° 45' 39''			U	U		03-Feb-15	42.4	4249.6	V		
312056109473301	D-24-25 15BAA	623291	4450	31° 20' 56.3'' / 109° 47' 32.4''	180	180	W	S		03-Feb-15	78.5	4371.5	V		
313034109470701	D-24-25 15DAB	623272	4390	31° 20' 35'' / 109° 47' 7.1''	185	185	W	S		03-Feb-15	68.3	4321.7	V		
312011109470901	D-24-25 15DDC	623293	4359	31° 20' 11.8'' / 109° 47' 9.1''	45	45	Z	U		03-Feb-15			Z	W	UTM - WELL DESTROYED BACK FILLED WITH MATERIAL
312013109470901	D-24-25 15DDC2		4359	31° 20' 13.2'' / 109° 47' 9.4''	160		W	H		03-Feb-15	25.1	4333.9	V		
312154109394401	D-24-26 01CCC		4075	31° 21' 57.7'' / 109° 39' 47''	330	158	U	U	Annually	27-Jan-15	132.4	3942.6	S		
312207109404801	D-24-26 02CCB	625671	4120	31° 22' 4.4'' / 109° 40' 51.5''	405	405	U	U		27-Jan-15	162.4	3957.6	V		
312155109412001	D-24-26 03DCC1	601343	4130	31° 21' 57.8'' / 109° 41' 15.5''	400	400	W	P		27-Jan-15	176.5	3953.5	S		
312155109411601	D-24-26 03DCC2	601344	4130	31° 22' 3'' / 109° 41' 24.3''			W	P		27-Jan-15	189.1	3940.9	S		
312220109422001	D-24-26 04ACC	625684	4150	31° 22' 20.7'' / 109° 42' 22.1''	408	408	W	I		27-Jan-15			V	Z	UTM-BEES
312217109420201	D-24-26 04DAA	625702	4142	31° 22' 20.3'' / 109° 41' 55.3''			U	U		27-Jan-15	189.1	3952.9	V		
312123109390201	D-24-26 12DAB	648348	4047.66	31° 21' 25'' / 109° 39' 3''	330	330	W	S		01-May-15			V	O	UTM-OBS @ 115
312203109343901	D-24-27 02CCB1	643881	3957	31° 22' 3'' / 109° 34' 39''	325	325	W	H		03-Feb-15			Z	Z	UTM - WELL HAS BEEN CAPPED AND BACKFILLED WITH DIRT
312204109343901	D-24-27 02CCB2	640341	3957	31° 22' 3'' / 109° 34' 39''	325	325	U	U		27-Jan-15	247.7	3709.3	V		
312156109345001	D-24-27 03DDD2	512435	3945	31° 21' 56'' / 109° 34' 50''	280	280	W	H		27-Jan-15	248.4	3696.6	V		
312209109364501	D-24-27 04CBC		3980	31° 22' 8.7'' / 109° 36' 45.2''	84	84	U	U	Annually	29-Jan-15	57.1	3922.9	V		
312153109364201	D-24-27 04CCC		3982	31° 21' 54'' / 109° 36' 45''	298	298	U	U		29-Jan-15			Z	Z	UTM - OWNER DID NOT GRANT PERMISSION TO MEASURE AT TIME OF VISIT.
312203109375201	D-24-27 06DDA	603617	4006	31° 22' 3'' / 109° 37' 51''	90	90	W	S		26-Jan-15	80.7	3925.3	V		
312149109384501	D-24-27 07BBB		4043	31° 21' 51.7'' / 109° 38' 45.8''			W	H		26-Jan-15	104.4	3938.6	V		
312107109384701	D-24-27 07CCB		4043	31° 21' 7.1'' / 109° 38' 48''			U	U		26-Jan-15	104.8	3938.2	V		
312127109354901	D-24-27 09ADD2	632938	3950	31° 21' 26.5'' / 109° 35' 50.2''	306	306	W	H		26-Jan-15			Z	Z	UTM - OWNER HAD WELL CAPPED.
312122109363201	D-24-27 09CAB	644429	3975	31° 21' 25.2'' / 109° 36' 41''	160	160	W	H		29-Jan-15	25.1	3949.9	V	K	
312125109364101	D-24-27 09CBA1		3980	31° 21' 25.2'' / 109° 36' 41''			W	H		29-Jan-15	59.8	3920.2	V	K	

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SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312112109363401	D-24-27 09CBD	616899	3982	31° 21' 12'' / 109° 36' 34''	80	80	W	S		29-Jan-15			Z	Z	UTM - NO ACCESS CAPPED AT TIME OF VISIT.
312113109363401	D-24-27 09CBD2	910753	3982	31° 21' 13.3'' / 109° 36' 34.4''	163	156	W	S		29-Jan-15	58.5	3923.5	V		
312110109362201	D-24-27 09CDA	627973	3973	31° 21' 10.5'' / 109° 36' 22''	110	110	W	H		28-Jan-15	56.6	3916.4	V		
312126109344701	D-24-27 10ADD	522687	3942	31° 21' 26'' / 109° 34' 47''	221	221	W	H		29-Jan-15	203.3	3738.7	V		
312123109351101	D-24-27 10DBB1	603979	3922	31° 21' 21.5'' / 109° 35' 12.8''	334	334	W	P		27-Jan-15	213.2	3708.8	V		
312123109351201	D-24-27 10DBB2	603980	3925	31° 21' 22.6'' / 109° 35' 13.8''	336	336	W	P		27-Jan-15			V	O	MP HAD AN OBSTRUCTION.
312107109350401	D-24-27 10DCA		3919	31° 21' 7.4'' / 109° 35' 4''			O	O		28-Jan-15	10.3	3908.7	V		
312116109334601	D-24-27 11DAD		3970	31° 21' 19'' / 109° 33' 46''			U	U		03-Feb-15			V	O	UTM, WELL HAD OBSTRUCTION IN IT AT TIME OF MEASUREMENT.
312144109331201	D-24-27 12BAA	532697	4000	31° 21' 44'' / 109° 33' 12''	320	320	W	H		03-Feb-15			Z	Z	UTM - WELL WAS CAPPED, NO ACCESS AT TIME OF VISIT.
312147109332201	D-24-27 12BAB		3990	31° 21' 46.8'' / 109° 33' 22.6''			U	U		26-Jan-15	102	3888	V	K	CASCADING WELL AT TIME OF MEASUREMENTS.
312140109331901	D-24-27 12BAD		3993	31° 21' 40'' / 109° 33' 19''			U	U		29-Jan-15			Z	Z	UTM - WELDED, CAPPED AND NO ACCESS.
312045109332001	D-24-27 13BAC	603985	3965	31° 20' 44.6'' / 109° 33' 20''	554	554	W	P		27-Jan-15	275	3690	V		
312050109331701	D-24-27 13BAD		3977	31° 20' 50'' / 109° 33' 17''			O	U		29-Jan-15			Z	Z	UTM - APS WELL, CAPPED AND COVERED BY CONCRETE, UTM.
312024109331501	D-24-27 13CAD		3962	31° 20' 24'' / 109° 33' 15''	60	60	O	U		26-Jan-15			Z	P	PUMPING AT TIME OF VISIT. DID NOT OBTAIN MEASUREMENT ON THIS DATE.
312021109341901	D-24-27 14CAD1	610326	3923	31° 20' 20.7'' / 109° 34' 18.8''	500	500	W	H		26-Jan-15	229	3694	V		
312020109341901	D-24-27 14CAD2	610325	3922	31° 20' 21.4'' / 109° 34' 19.4''	402	402	W	H		26-Jan-15	229	3693	V		
312042109345001	D-24-27 15ADA	564698	3920	31° 20' 42'' / 109° 34' 50''	70	70	O	O		28-Jan-15	25.4	3894.6	V		
312052109352101	D-24-27 15BAA	610329	3940	31° 20' 52.4'' / 109° 35' 19''	500	500	W	N		28-Jan-15			Z	W	UTM - WELL DESTOYED AT TIME OF VISIT.
312054109352401	D-24-27 15BAD	610327	3940	31° 20' 50'' / 109° 35' 21''	500	500	W	N		28-Jan-15			Z	Z	UTM - CAPPED AT TIME OF VISIT.
312052109353701	D-24-27 15BBB	610328	3950	31° 20' 52.4'' / 109° 35' 38.6''	550	550	W	N		28-Jan-15			Z	W	UTM - WELL DESTROYED AT TIME OF VISIT.
312037109351801	D-24-27 15BDD	564700	3940	31° 20' 37'' / 109° 35' 18''	70	70	O	O		28-Jan-15	27.4	3912.6	V		
312015109345901	D-24-27 15DDB	564699	3900	31° 20' 15'' / 109° 34' 59''	45	45	O	O		28-Jan-15	24.8	3875.2	V		
312056109364801	D-24-27 17AAD1	630261	3990	31° 20' 50'' / 109° 36' 49''	65	65	U	U		02-Feb-15	61.5	3928.5	V		
312055109364701	D-24-27 17AAD2	630260	3990	31° 20' 49'' / 109° 36' 49''	200	200	W	H		02-Feb-15		3990	Z	Z	UTM - OWNER DOESN'T KNOW WHERE OLD WELL IS. COORDINATES WERE WRONG.
312043109365001	D-24-27 17ADA		3990	31° 20' 43'' / 109° 36' 50''			U	U		02-Feb-15			V	K	UTM, CASCADING WATER AT TIME OF MEASUREMENT.
312029109365901	D-24-27 17DAB	632701	3992	31° 20' 29'' / 109° 36' 59''	120	120	U	U		03-Feb-15	59.2	3932.8	V		
312110109362701	D-24-27-09CDB2		3975	31° 21' 9.6'' / 109° 36' 26.7''			W	H		28-Jan-15	258.7	3716.3	V		
312153109284701	D-24-28 03DDC		4253	31° 21' 53'' / 109° 28' 48.9''			U	U		29-Jan-15	29.8	4223.2	V		

Appendix 2. Douglas Basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
312202109312201	D-24-28 05CDB	603001	4073	31° 22' 1'' / 109° 31' 22.5''	302	302	U	U		03-Feb-15			Z	Z	UTM - NOBODY AT HOME AT TIME OF VISIT.
312242109323101	D-24-28 06BBA	525746	4040	31° 22' 42.8'' / 109° 32' 29.8''	516	516	U	U		29-Jan-15	338.4	3701.6	V		
312218109322901	D-24-28 06BCD	603984	4030	31° 22' 21.8'' / 109° 32' 29.4''	450	450	W	P		27-Jan-15			V	O	OBSTRUCTION AT 40' COULD NOT GET PASSED.
312126109320601	D-24-28 07ACB2	603987	4030	31° 21' 34.7'' / 109° 32' 8.2''	503	503	W	P	Inactive	27-Jan-15			V	O	MP HAD AN OBSTRUCTION AND COULD NOT GET PASSED.
312058109322601	D-24-28 07CDC	603982	4025	31° 20' 59'' / 109° 32' 24.6''	461	461	W	P		27-Jan-15	340.6	3684.4	V		
312059109321001	D-24-28 07DCC	510672	4040	31° 20' 58.5'' / 109° 32' 9.1''			U	U	Annually	27-Jan-15			V	V	UTM - THICK OIL LAYER IN WELL COULD NOT OBTAIN MEASUREMENT.
312150109313601	D-24-28 08BBB	603986	4060	31° 21' 51'' / 109° 31' 36''	500	500	W	P		1/27/2015	361.2	3698.8	V		
312108109271701	D-24-28 12CDB	611947	4397	31° 21' 7.5'' / 109° 27' 17.2''	200	200	W	S		1/29/2015			Z	Z	UTM - OLD WINDMILL ACCESS HOLE WAS TO SMALL.

1. O = Observation, U = Unused, W = Withdrawal, Z = Well Destroyed
2. H = Domestic, I = Irrigation, N = Industrial, O = Observation, P = Public Supply, S = Stock, U = Unused
3. R = Reported, S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape, VT = A.D.W.R calibrated electric tape, Z = Other (explain in comments)
4. D = Dry, K = Cascading Water, O = Obstruction, P = Pumping, R = Recently Pumped, S = Nearby Pumping, V = Foreign Material (oil), W = Well Destroyed, Z = Other

Appendix 3

Douglas Basin groundwater level change data for each comparable water level measurement.

Appendix 3. Douglas Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
315350109462801	D-18-25 02CAB2	4328	02-Dec-04	257.2	4070.8	V			11-Dec-14	292.2	4035.8	V	R		-35
315142109414201	D-18-26 21AAA	4278	17-Dec-04	190.8	4087.2	V			05-Feb-15	195.8	4082.2	V			-5
315141109415901	D-18-26 21ABA	4275	17-Dec-04	191.5	4083.5	V			05-Feb-15	195.3	4079.7	V			-3.8
315130109423901	D-18-26 21DAA	4271	17-Dec-04	222.9	4048.1	V			05-Feb-15	256.8	4014.2	V			-33.9
315052109411001	D-18-26 22CDD	4279	17-Dec-04	226	4053	V			05-Feb-15	264.4	4014.6	V			-38.4
315045109410301	D-18-26 27ABA	4285	17-Dec-04	229.4	4055.6	V			05-Feb-15	269.1	4015.9	V			-39.7
315025109405601	D-18-26 27ACD	4280	17-Dec-04	225.1	4054.9	V			05-Feb-15	265.8	4014.2	V			-40.7
315007109411401	D-18-26 27CDA	4276	17-Dec-04	223.9	4052.1	V			05-Feb-15	265.1	4010.9	V			-41.2
314955109404101	D-18-26 27DDA	4284	17-Dec-04	221	4063	V			05-Feb-15	264.6	4019.4	V			-43.6
315042109414301	D-18-26 28AAA2	4268	30-Nov-04	223	4045	V			27-Jan-15	258.8	4009.2	V			-35.8
314956109404501	D-18-26 34AAD	4278	17-Dec-04	215.2	4062.8	V			05-Feb-15	260.2	4017.8	V			-45
314925109394501	D-18-26 35DAA	4301	10-Dec-04	229.4	4071.6	V			05-Feb-15	272.3	4028.7	V			-42.9
314351109511701	D-19-24 36CDD	5118	08-Dec-04	26.5	5091.5	V			29-Jan-15	29	5089	S			-2.5
314508109451601	D-19-25 25ACD2	4298	08-Dec-04	260.9	4037.1	V			03-Feb-15	300.5	3997.5	V			-39.6
314512109444401	D-19-25 25DAA	4272	08-Dec-04	236.1	4035.9	V			03-Feb-15	275.1	3996.9	V			-39
314454109500201	D-19-25 30DBD	5010	08-Dec-04	31.8	4978.2	V			29-Jan-15	13.7	4996.3	S			18.1
314740109433301	D-19-26 08CBB	4273	09-Dec-04	236.4	4036.6	V			03-Feb-15	273.3	3999.7	V			-36.9
314807109420801	D-19-26 09BAA2	4233	09-Dec-04	197.4	4035.6	V			03-Feb-15	237	3996	V			-39.6
314806109423301	D-19-26 09BBB	4237	30-Nov-04	198.6	4038.4	V			27-Jan-15	235.5	4001.5	V			-36.9
314753109410701	D-19-26 10BDA	4258	16-Dec-04	218	4040	V			04-Feb-15	258.8	3999.2	V			-40.8
314728109403501	D-19-26 10DDA	4265	07-Dec-04	268.6	3996.4	V			04-Feb-15	304.8	3960.2	V			-36.2
314746109395901	D-19-26 11ACB	4290	07-Dec-04	258.9	4031.1	V			04-Feb-15	295.2	3994.8	V			-36.3
314747109393401	D-19-26 11ADD	4308	07-Dec-04	283	4025	V			04-Feb-15	316.4	3991.6	V			-33.4
314719109395701	D-19-26 11CDD	4290	07-Dec-04	291.3	3998.7	V			04-Feb-15	326.8	3963.2	V			-35.5
314718109393101	D-19-26 11DDD	4310	07-Dec-04	298.8	4011.2	V			04-Feb-15	337.4	3972.6	V			-38.6
314654109392901	D-19-26 14ADD	4315	07-Dec-04	336.8	3978.2	V			04-Feb-15	376.5	3938.5	V			-39.7
314627109392601	D-19-26 14DDD	4315	07-Dec-04	347.4	3967.6	V			04-Feb-15	385.8	3929.2	V			-38.4
314713109432901	D-19-26 17BBB	4255	09-Dec-04	226.3	4028.7	V			03-Feb-15	249.5	4005.5	V			-23.2
314628109432701	D-19-26 17CCC	4239	09-Dec-04	208	4031	V			03-Feb-15	243.6	3995.4	V			-35.6
314557109392401	D-19-26 23DAA	4300	30-Nov-04	345.1	3954.9	V			27-Jan-15	382.8	3917.2	V			-37.7
314620109385401	D-19-26 24BAA	4335	07-Dec-04	292.8	4042.2	V			29-Jan-15	332.5	4002.5	V			-39.7
314528109382001	D-19-26 25AAA	4315	07-Dec-04	286.8	4028.2	V			29-Jan-15	329	3986	V			-42.2
314502109384801	D-19-26 25DBB	4302	08-Dec-04	268	4034	V			29-Jan-15	313.1	3988.9	V			-45.1
314528109391801	D-19-26 26AAA	4291	08-Dec-04	325.9	3965.1	V			29-Jan-15	368.8	3922.2	V			-42.9
314529109394801	D-19-26 26BAA	4274	08-Dec-04	309.7	3964.3	V			29-Jan-15	352.6	3921.4	V			-42.9
314526109402201	D-19-26 27AAA	4255	08-Dec-04	286.9	3968.1	V			29-Jan-15	328.9	3926.1	V			-42
314506109402101	D-19-26 27ADD	4250	08-Dec-04	280.1	3969.9	V			29-Jan-15	322.9	3927.1	V			-42.8
314502109422101	D-19-26 29DAA	4190	08-Dec-04	206.6	3983.4	V			03-Feb-15	238.2	3951.8	V			-31.6
314437109424501	D-19-26 32BAA	4181	07-Dec-04	186.1	3994.9	V			04-Feb-15	219.8	3961.2	V			-33.7
314358109414801	D-19-26 33CDA	4188.9	29-Nov-04	163.5	4025.4	V			29-Jan-15	170.6	4018.3	V			-7.1
314348109414501	D-19-26 33CDD	4184	07-Dec-04	207	3977	V			29-Jan-15	248	3936	V			-41
314355109411701	D-19-26 33DDA1	4200	07-Dec-04	222.5	3977.5	V			04-Feb-15	264.4	3935.6	V			-41.9
314359109401501	D-19-26 34DAA	4233	07-Dec-04	259.7	3973.3	V			04-Feb-15	303.4	3929.6	V			-43.7
314434109391601	D-19-26 35AAA	4273	07-Dec-04	297.4	3975.6	V			28-Jan-15	342.9	3930.1	V			-45.5
314410109391501	D-19-26 35DAA	4265	07-Dec-04	287.7	3977.3	V			28-Jan-15	337.3	3927.7	V			-49.6
314435109381501	D-19-26 36AAA	4318	07-Dec-04	273.1	4044.9	V			28-Jan-15	312.9	4005.1	V			-39.8
314420109381101	D-19-26 36ADA	4306	07-Dec-04	61.9	4244.1	V			28-Jan-15	41.4	4264.6	VT			20.5
314349109441301	D-19-26E31CCC	4216	09-Dec-04	168.5	4047.5	V			04-Feb-15	205.5	4010.5	V			-37
314835109393701	D-19-26S02DAA	4297	10-Dec-04	231.9	4065.1	V			04-Feb-15	277.2	4019.8	V			-45.3
314810109393601	D-19-26S02DDD	4305	07-Dec-04	244.7	4060.3	V			04-Feb-15	286.9	4018.1	V			-42.2
314820109410701	D-19-26S03CDA	4255	10-Dec-04	210.4	4044.6	V			04-Feb-15	252.3	4002.7	V			-41.9
314827109404301	D-19-26S03DDD	4267	10-Dec-04	222.8	4044.2	V			04-Feb-15	249	4018	V			-26.2

Appendix 3. Douglas Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
314836109433801	D-19-26S05CBB	4285	09-Dec-04	250.3	4034.7	V			03-Feb-15	287.7	3997.3	V			-37.4
314521109371401	D-19-27 30AAD	4375	02-Dec-04	322.5	4052.5	V			29-Jan-15	360.9	4014.1	V			-38.4
314507109371401	D-19-27 30ADD	4372	02-Dec-04	320.3	4051.7	V			29-Jan-15	359	4013	V			-38.7
314316109504301	D-20-24 01DBA	4990	08-Dec-04	44.3	4945.7	V			29-Jan-15	70.5	4919.5	S			-26.2
314206109522701	D-20-24 10DDD	4893	08-Dec-04	21.7	4871.3	V			29-Jan-15	20.5	4872.5	V			1.2
314051109510001	D-20-24 24BDB	4680	08-Dec-04	202	4478	V			29-Jan-15	217.3	4462.7	S			-15.3
313851109511601	D-20-24 36CBC	4550	08-Dec-04	264.9	4285.1	V			29-Jan-15	268.4	4281.6	V			-3.5
314312109485901	D-20-25 05CAC	4740	08-Dec-04	27.8	4712.2	V			29-Jan-15	25.4	4714.6	V			2.4
314225109475401	D-20-25 09CAA	4559.2	30-Nov-04	243.6	4315.6	V			29-Jan-15	243.1	4316.1	V			0.5
314232109444401	D-20-25 12ACA	4210	09-Dec-04	158.9	4051.1	V			05-Feb-15	200.6	4009.4	V			-41.7
314231109443001	D-20-25 12ADD	4192	09-Dec-04	147.2	4044.8	V			05-Feb-15	177	4015	V			-29.8
314131109451401	D-20-25 13CBB	4242	09-Dec-04	187.9	4054.1	V			29-Jan-15	226.8	4015.2	V			-38.9
314158109451901	D-20-25 14AAA1	4250	09-Dec-04	205.4	4044.6	V			29-Jan-15	141.3	4108.7	V			64.1
314149109492201	D-20-25 18AAD	4678	08-Dec-04	62.1	4615.9	V			29-Jan-15	58	4620	S			4.1
314121109492101	D-20-25 18DDA	4600	08-Dec-04	16.9	4583.1	V			29-Jan-15	18.2	4581.8	S			-1.3
314107109502201	D-20-25 19BBB	4651	08-Dec-04	40.7	4610.3	V			29-Jan-15	23.6	4627.4	S			17.1
314012109451301	D-20-25 25BBB	4190	09-Dec-04	144.2	4045.8	V			29-Jan-15	174.5	4015.5	V			-30.3
314342109391001	D-20-26 02AAA	4257	07-Dec-04	277.7	3979.3	V			04-Feb-15	327.2	3929.8	V			-49.5
314315109391501	D-20-26 02DAA	4243	07-Dec-04	243.8	3999.2	V			28-Jan-15	296.4	3946.6	V			-52.6
314336109401101	D-20-26 03AAD2	4219	08-Dec-04	243.4	3975.6	V			04-Feb-15	288.8	3930.2	V			-45.4
314250109421501	D-20-26 08AAA	4161	09-Dec-04	150.7	4010.3	V			05-Feb-15	175.9	3985.1	V			-25.2
314238109401301	D-20-26 10ADA	4191	08-Dec-04	179.3	4011.7	V			05-Feb-15	203.8	3987.2	V			-24.5
314224109391001	D-20-26 11DAA	4209	08-Dec-04	150.9	4058.1	V			05-Feb-15	148.7	4060.3	V		MIGHT BE WATER FROM THE SURFACE IN WELL. WEIGHT CAME OFF PROBE RIGHT AFTER METER SPIKED.	2.2
314158109381001	D-20-26 13AAA	4231	08-Dec-04	168.2	4062.8	V			04-Feb-15	191.9	4039.1	V			-23.7
314133109380901	D-20-26 13DAA	4209	08-Dec-04	148.8	4060.2	V			04-Feb-15	164.7	4044.3	V			-15.9
314158109411501	D-20-26 16AAA1	4166	07-Dec-04	143.3	4022.7	V			04-Feb-15	183.1	3982.9	V			-39.8
314145109411301	D-20-26 16ADA	4158	07-Dec-04	127.19	4030.81	S			04-Feb-15	151.6	4006.4	V			-24.41
314159109421601	D-20-26 17AAA	4150	09-Dec-04	104.51	4045.49	S			04-Feb-15	110.8	4039.2	V			-6.29
314139109430401	D-20-26 17BDC	4137	29-Nov-04	78.1	4058.9	V			29-Jan-15	89.1	4047.9	V			-11
314106109412201	D-20-26 21AAB	4143	07-Dec-04	92.8	4050.2	V			04-Feb-15	105.8	4037.2	V			-13
314105109405301	D-20-26 22BBA2	4150	08-Dec-04	99.9	4050.1	V			04-Feb-15	115.3	4034.7	V			-15.4
313941109390601	D-20-26 25CBC	4158	29-Nov-04	115	4043	V			29-Jan-15	127	4031	V			-12
314014109411101	D-20-26 27BBB2	4133	08-Dec-04	78.6	4054.4	V			04-Feb-15	91.1	4041.9	V			-12.5
313919109411501	D-20-26 33AAA	4123	08-Dec-04	87.8	4035.2	V			03-Feb-15	104.7	4018.3	V			-16.9
313833109415401	D-20-26 33CDC2	4108	08-Dec-04	75.7	4032.3	V			03-Feb-15	87.1	4020.9	V			-11.4
313857109411301	D-20-26 33DAA	4124	08-Dec-04	86.8	4037.2	V			03-Feb-15	104.1	4019.9	V			-17.3
313848109411401	D-20-26 33DAD	4120	08-Dec-04	87.9	4032.1	V			03-Feb-15	105.3	4014.7	V			-17.4
313913109404701	D-20-26 34BAD	4130	08-Dec-04	93.5	4036.5	V			03-Feb-15	108.96	4021.04	VT			-15.46
313919109405801	D-20-26 34BBA	4127	08-Dec-04	86	4041	V			03-Feb-15	104.76	4022.24	VT			-18.76
313919109393801	D-20-26 35BAA	4148	09-Dec-04	104.7	4043.3	V			04-Feb-15	117.3	4030.7	V			-12.6
314159109370101	D-20-27 17BBB	4241	30-Nov-04	171.7	4069.3	V			27-Jan-15	190.5	4050.5	V			-18.8
314132109375001	D-20-27 18CAB	4214	08-Dec-04	148.8	4065.2	V			04-Feb-15	174.6	4039.4	V			-25.8
314126109374101	D-20-27 18CDA	4209	08-Dec-04	147	4062	V			04-Feb-15	164.5	4044.5	V			-17.5
314105109370701	D-20-27 19AAA	4218.3	30-Nov-04	154.9	4063.4	V			27-Jan-15	172.6	4045.7	V			-17.7
314011109373801	D-20-27 30BAA	4190	09-Dec-04	127	4063	V			04-Feb-15	139.5	4050.5	V			-12.5

Appendix 3. Douglas Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
314001109373701	D-20-27 30BAD	4186	09-Dec-04	127.2	4058.8	V			04-Feb-15	138.1	4047.9	V			-10.9
313947109374001	D-20-27 31BAA	4190	09-Dec-04	129.5	4060.5	V			04-Feb-15	139.9	4050.1	V			-10.4
313819109395001	D-21-26 02AAD2	4147	08-Dec-04	115.6	4031.4	V			03-Feb-15	127.2	4019.8	V			-11.6
313826109402301	D-21-26 02BAA	4130	29-Nov-04	101.9	4028.1	V			29-Jan-15	115.3	4014.7	VT		VERIFIED WITH SOUNDER	-13.4
313802109402101	D-21-26 02CAA	4135	08-Dec-04	116	4019	V			03-Feb-15	127.64	4007.36	VT			-11.64
313740109403801	D-21-26 02CCD	4141	29-Nov-04	127.8	4013.2	V			29-Jan-15	136.3	4004.7	V			-8.5
313740109394901	D-21-26 02DDD	4162	08-Dec-04	143.5	4018.5	V			03-Feb-15	153.2	4008.8	VT			-9.7
313709109415501	D-21-26 09DAA	4106	30-Nov-04	108.4	3997.6	V			02-Feb-15	115.1	3990.9	V			-6.7
313710109405101	D-21-26 10ADD	4132	02-Dec-04	134.6	3997.4	V			02-Feb-15	140.9	3991.1	V			-6.3
313558109393701	D-21-26 13CCD	4182	07-Dec-04	176.9	4005.1	V			02-Feb-15	186.7	3995.3	V			-9.8
313603109390601	D-21-26 13DCA	4197	07-Dec-04	185.8	4011.2	V			03-Feb-15	193	4004	V			-7.2
313641109412101	D-21-26 15BAA	4115	03-Dec-04	132.4	3982.6	V			02-Feb-15	139.4	3975.6	V			-7
313555109413501	D-21-26 15CCD	4114	30-Nov-04	132.1	3981.9	V			02-Feb-15	140.7	3973.3	V			-8.6
313643109415701	D-21-26 16AAA	4102	30-Nov-04	115.6	3986.4	V			02-Feb-15	120.2	3981.8	V			-4.6
313618109422601	D-21-26 16CAA	4092	30-Nov-04	109.7	3982.3	V			02-Feb-15	118.2	3973.8	V			-8.5
313618109415401	D-21-26 16DAA	4103	30-Nov-04	123.9	3979.1	V			27-Jan-15	132.7	3970.3	V			-8.8
313558109435301	D-21-26 17CCC2	4077	30-Nov-04	55.2	4021.8	V			03-Feb-15	56.1	4020.9	V			-0.9
313630109443001	D-21-26 18ACB	4094	30-Nov-04	60.2	4033.8	V			03-Feb-15	66.8	4027.2	V			-6.6
313617109445401	D-21-26 18CBB	4118	01-Dec-04	74.9	4043.1	V			03-Feb-15	79	4039	V			-4.1
313541109445501	D-21-26 19BBC1	4114	02-Dec-04	85.6	4028.4	V			03-Feb-15	98.9	4015.1	V			-13.3
313528109445301	D-21-26 19BCC2	4118	02-Dec-04	93.8	4024.2	V			07-Feb-15	94.7	4023.3	V			-0.9
313529109444401	D-21-26 19BCD	4108	02-Dec-04	85.6	4022.4	V			03-Feb-15	96.4	4011.6	V			-10.8
313521109445501	D-21-26 19CBB	4114	02-Dec-04	61.9	4052.1	V			27-Jan-15	67.4	4046.6	V			-5.5
313533109423801	D-21-26 21BCA	4082	10-Dec-04	71.3	4010.7	V			27-Jan-15	77.9	4004.1	V			-6.6
313551109400901	D-21-26 23ABA	4158	07-Dec-04	170	3988	V			27-Jan-15	180.1	3977.9	V			-10.1
313522109401101	D-21-26 23DBB	4159	07-Dec-04	173.8	3985.2	V			28-Jan-15	186.4	3972.6	V			-12.6
313550109392001	D-21-26 24ABB	4196	01-Dec-04	190.4	4005.6	V			29-Jan-15	195.6	4000.4	V			-5.2
313434109402001	D-21-26 26CAA	4150	08-Dec-04	173.8	3976.2	V			28-Jan-15	185.1	3964.9	V			-11.3
313417109395201	D-21-26 26DDA	4168	08-Dec-04	193	3975	V			28-Jan-15	201.7	3966.3	V			-8.7
313420109412101	D-21-26 27CDA	4116	06-Dec-04	133	3983	V			28-Jan-15	140.3	3975.7	V			-7.3
313412109412601	D-21-26 27CDD	4113	06-Dec-04	130.2	3982.8	V			28-Jan-15	138.4	3974.6	V			-8.2
313409109405001	D-21-26 27DDD	4132	07-Dec-04	156.1	3975.9	V			28-Jan-15	166.9	3965.1	V			-10.8
313442109415201	D-21-26 28ADA	4098	02-Dec-04	118.1	3979.9	V			28-Jan-15	128.6	3969.4	V			-10.5
313441109425301	D-21-26 29ADD	4070	07-Dec-04	60.9	4009.1	V			28-Jan-15	73.4	3996.6	V			-12.5
313420109425801	D-21-26 29DDD	4068	07-Dec-04	59.1	4008.9	V			28-Jan-15	70.3	3997.7	V			-11.2
313343109425401	D-21-26 32ADD	4074	06-Dec-04	67.9	4006.1	V			04-Feb-15	74.6	3999.4	V			-6.7
313332109430001	D-21-26 32DAD	4077.24	01-Dec-04	71.3	4005.94	V			16-Dec-14	80.65	3996.59	VT			-9.35
313335109324001	D-21-26 33CBA	4082	07-Dec-04	101.8	3980.2	V			04-Feb-15	105.9	3976.1	V			-4.1
313339109413501	D-21-26 34CBA	4104	10-Dec-04	127.2	3976.8	V			29-Jan-15	136.2	3967.8	V			-9
313405109385001	D-21-26 36AAA	4212	09-Dec-04	231.3	3980.7	V			29-Jan-15	242.1	3969.9	V			-10.8
313403109392201	D-21-26 36BAA	4189	09-Dec-04	212.3	3976.7	V			29-Jan-15	222.7	3966.3	V			-10.4
313339109392401	D-21-26 36CAA	4189	09-Dec-04	216.2	3972.8	S			29-Jan-15	226.1	3962.9	V			-9.9
313816109374501	D-21-27 06ADA	4208	09-Dec-04	159.7	4048.3	V			04-Feb-15	166.6	4041.4	V			-6.9
313720109381701	D-21-27 07BDA	4218	02-Dec-04	181.1	4036.9	V			03-Feb-15	193.2	4024.8	V			-12.1
313649109374901	D-21-27 07DDD	4243	02-Dec-04	207.1	4035.9	V			03-Feb-15	210.2	4032.8	V			-3.1
313704109372801	D-21-27 08CAA	4252	02-Dec-04	211.8	4040.2	V			27-Jan-15	217.5	4034.5	V			-5.7
313610109371901	D-21-27 17CAD	4274	02-Dec-04	240.1	4033.9	V			27-Jan-15	244.7	4029.3	V			-4.6
313631109381901	D-21-27 18BDA	4225	02-Dec-04	201.4	4023.6	V			03-Feb-15	206.5	4018.5	V			-5.1
313558109382001	D-21-27 18CDD	4233	02-Dec-04	213.2	4019.8	V			03-Feb-15	217.7	4015.3	V			-4.5

Appendix 3. Douglas Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
313534109362101	D-21-27 21BDB	4325	29-Nov-04	361.4	3963.6	V	Z	WATER LEVEL IS CONSISTENT WITH PUMPING OR RECENTLY PUMPING.	27-Jan-15	286.1	4038.9	V			75.3
313522109355601	D-21-27 21DAB	4350	29-Nov-04	216.5	4133.5	V			27-Jan-15	224.3	4125.7	V			-7.8
313550109344301	D-21-27 22AAA	4398	30-Nov-04	107.3	4290.7	V			27-Jan-15	108.5	4289.5	V			-1.2
313512109341601	D-21-27 23CDD	4410	30-Nov-04	87.8	4322.2	V			28-Jan-15	92.7	4317.3	V			-4.9
313450109343201	D-21-27 26BBD	4395	30-Nov-04	69.3	4325.7	V			28-Jan-15	74.6	4320.4	V			-5.3
313353109363401	D-21-27 33BCA	4295	29-Nov-04	266.5	4028.5	V			28-Jan-15	269.1	4025.9	V			-2.6
313318109353801	D-21-27 34CCC	4292	01-Dec-04	219.3	4072.7	V			28-Jan-15	220.7	4071.3	V			-1.4
313500109323501	D-21-28W19DDD2	4520	01-Dec-04	53.8	4466.2	V			28-Jan-15	54	4466	V			-0.2
313310109392301	D-22-26 01BAA	4185	09-Dec-04	216.1	3968.9	V			05-Feb-15	222.3	3962.7	V			-6.2
313217109392001	D-22-26 01CDD	4163	08-Dec-04	203.3	3959.7	V			05-Feb-15	208.8	3954.2	V			-5.5
313310109395501	D-22-26 02AAA	4165	01-Dec-04	199.3	3965.7	V			05-Feb-15	207	3958	V			-7.7
313104109391801	D-22-26 13CAA	4116	08-Dec-04	160.2	3955.8	V			05-Feb-15	165	3951	V			-4.8
313039109384901	D-22-26 13DDD	4115	08-Dec-04	166.1	3948.9	V			05-Feb-15	173.5	3941.5	V			-7.4
313058109404401	D-22-26 14CBC1	4082	08-Dec-04	107.9	3974.1	V			05-Feb-15	113.3	3968.7	V			-5.4
313059109404301	D-22-26 14CBC2	4082	08-Dec-04	109.8	3972.2	V			05-Feb-15	115.4	3966.6	V			-5.6
313101109412701	D-22-26 15CBA	4071	17-Dec-04	105	3966	V			05-Feb-15	111.3	3959.7	V			-6.3
313051109412101	D-22-26 15CDA	4068	17-Dec-04	95.4	3972.6	V			05-Feb-15	100.7	3967.3	V			-5.3
312948109415101	D-22-26 21DDD2	4042	01-Dec-04	58.5	3983.5	V			03-Feb-15	60.7	3981.3	S			-2.2
312930109413801	D-22-26 27BCA	4035	01-Dec-04	56.3	3978.7	V			03-Feb-15	62.2	3972.8	S			-5.9
312919109415001	D-22-26 27CBB	4027	01-Dec-04	48.9	3978.1	V			03-Feb-15	57.7	3969.3	S			-8.8
312923109434901	D-22-26 29BCC1	4059	01-Dec-04	61.6	3997.4	V			28-Jan-15	71.3	3987.7	S			-9.7
312833109444501	D-22-26 31BCD	4085	08-Dec-04	77.4	4007.6	V			04-Feb-15	75.4	4009.6	S			2
312803109444501	D-22-26 31CCD	4090	01-Dec-04	81	4009	V			28-Jan-15	81.1	4008.9	V			-0.1
312812109440001	D-22-26 31DAD	4058	30-Nov-04	63.6	3994.4	V			03-Feb-15	64.8	3993.2	S			-1.2
312853109420401	D-22-26 33AAB	4015	01-Dec-04	41.4	3973.6	V			03-Feb-15	43.8	3971.2	S			-2.4
312801109414901	D-22-26 34CCC	4005	01-Dec-04	36.9	3968.1	V			03-Feb-15	38.1	3966.9	S			-1.2
313310109375001	D-22-27 06AAA	4232	09-Dec-04	243.7	3988.3	V			05-Feb-15	247.9	3984.1	V			-4.2
313312109381701	D-22-27 06BAA	4219	09-Dec-04	236.3	3982.7	V			05-Feb-15	241.2	3977.8	V			-4.9
312858109325001	D-22-27 25DDB	4220	08-Dec-04	157	4063	V			29-Jan-15	156.7	4063.3	V			0.3
312910109343601	D-22-27 26CBB	4212	09-Dec-04	306.7	3905.3	V			29-Jan-15	320	3892	V			-13.3
313135109351201	D-22-28 07CDA	4400	01-Dec-04	50	4350	V			29-Jan-15	43.3	4356.7	V			6.7
313136109321501	D-22-28 07CDC	4400	01-Dec-04	53.8	4346.2	V			29-Jan-15	52.6	4347.4	V			1.2
313136109312401	D-22-28 08CCB2	4775	30-Nov-04	60.4	4714.6	V			29-Jan-15	32.5	4742.5	V			27.9
313213109271101	D-22-28 12BBA	4820	30-Nov-04	48.8	4771.2	V			27-Jan-15	29.8	4790.2	S			19
313059109264501	D-22-28 13ACD	4720	30-Nov-04	44.4	4675.6	V			27-Jan-15	41.6	4678.4	V			2.8
313109109294801	D-22-28 16ACA	4550	30-Nov-04	20	4530	V			27-Jan-15	13.6	4536.4	S			6.4
313016109263701	D-22-28 24ADB1	4660	02-Dec-04	42.8	4617.2	V			27-Jan-15	31	4629	V			11.8
313017109220001	D-22-28 24BDB	4652	30-Nov-04	44.5	4607.5	V			27-Jan-15	49.2	4602.8	V			-4.7
312822109273401	D-22-28 35DAB	4511	30-Nov-04	65.3	4445.7	V			26-Jan-15	60.6	4450.4	V			4.7
312856109315701	D-22-28E30DCB	4260	09-Dec-04	142.3	4117.7	V			29-Jan-15	139.7	4120.3	V			2.6
312839109261901	D-22-29 31BBC	4639	30-Nov-04	29.5	4609.5	V			28-Jan-15	15.4	4623.6	S			14.1
312800109423501	D-23-26 04BAB	4018	01-Dec-04	43.5	3974.5	V			28-Jan-15	44.8	3973.2	S			-1.3
312712109435001	D-23-26 05CCC2	4068	02-Dec-04	77.2	3990.8	V			28-Jan-15	78.1	3989.9	S			-0.9
312702109443501	D-23-26 07BAB2	4102	02-Dec-04	98.7	4003.3	V			28-Jan-15	99.7	4002.3	V			-1
312658109411701	D-23-26 10ABC	4013	02-Dec-04	53.8	3959.2	V			28-Jan-15	61.7	3951.3	S			-7.9
312656109390901	D-23-26 12ABC	4005	03-Dec-04	58.4	3946.6	V			28-Jan-15	59.5	3945.5	S			-1.1

Appendix 3. Douglas Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
312527109395701	D-23-26 13CCC1	4009	01-Dec-04	67	3942	V			28-Jan-15	96.3	3912.7	S			-29.3
312539109414901	D-23-26 15CBC	4046	07-Dec-04	87.1	3958.9	V			28-Jan-15	89.6	3956.4	S			-2.5
312356109394701	D-23-26 25CBC	4042	01-Dec-04	103.6	3938.4	V			02-Feb-15	100.1	3941.9	S			3.5
312407109400501	D-23-26 26ACD	4045	01-Dec-04	105.7	3939.3	V			02-Feb-15	104.4	3940.6	S			1.3
312247109442801	D-23-26 31CDD	4202	07-Dec-04	174.3	4027.7	V			28-Jan-15	168.8	4033.2	S			5.5
312743109355401	D-23-27 04ADB	4110	06-Dec-04	253.3	3856.7	V			03-Feb-15	253.9	3856.1	V			-0.6
312717109362601	D-23-27 04CDB	4075	07-Dec-04	225.3	3849.7	V			03-Feb-15	238.6	3836.4	V			-13.3
312703109373201	D-23-27 08BBA	4041.8	02-Dec-04	107.7	3934.1	V			04-Feb-15	110.2	3931.6	V			-2.5
312657109360001	D-23-27 09AAC	4068	07-Dec-04	217.7	3850.3	V			03-Feb-15	228.6	3839.4	V			-10.9
312638109355901	D-23-27 09DAB	4055	02-Dec-04	205.2	3849.8	V			03-Feb-15	220.5	3834.5	V			-15.3
312550109330901	D-23-27 13ACB	4142	08-Dec-04	297.1	3844.9	V			04-Feb-15	314.4	3827.6	V			-17.3
312612109364801	D-23-27 17AAA	4025	03-Dec-04	171.6	3853.4	V			03-Feb-15	186.8	3838.2	V			-15.2
312446109354601	D-23-27 21DAD	4012	03-Dec-04	80.7	3931.3	V			03-Feb-15	83.2	3928.8	V			-2.5
312433109344901	D-23-27 22DDA2	4042	02-Dec-04	226	3816	V			03-Feb-15	244	3798	V			-18
312415109350001	D-23-27 27ACA	4022	07-Dec-04	214.7	3807.3	V			04-Feb-15	234.7	3787.3	V			-20
312407109361301	D-23-27 28ACC1	3982	07-Dec-04	152.6	3829.4	V	R		03-Feb-15	165.8	3816.2	V			-13.2
312405109361501	D-23-27 28ACC2	3982	07-Dec-04	110.3	3871.7	V			03-Feb-15	105.4	3876.6	V			4.9
312419109383801	D-23-27 30BBD	4005	02-Dec-04	83.8	3921.2	V			03-Feb-15	86.1	3918.9	S			-2.3
312302109364801	D-23-27 32DAD2	3978	09-Dec-04	56.4	3921.6	V			04-Feb-15	64.9	3913.1	V			-8.5
312330109344601	D-23-27 34AAA	4010	06-Dec-04	223.9	3786.1	V			03-Feb-15	244.6	3765.4	V			-20.7
312312109345001	D-23-27 34ADD	4002	06-Dec-04	223.1	3778.9	V			03-Feb-15	243.6	3758.4	V			-20.5
312320109352501	D-23-27 34BCA	3984	07-Dec-04	78.2	3905.8	V			03-Feb-15	84.7	3899.3	V			-6.5
312334109342601	D-23-27 35BAB	4021	07-Dec-04	237.2	3783.8	V			03-Feb-15	259.1	3761.9	V			-21.9
312722109272401	D-23-28 01CBA	4475	30-Nov-04	64.9	4410.1	V			26-Jan-15	68.9	4406.1	S			-4
312718109285101	D-23-28 03DAC3	4381	30-Nov-04	36.7	4344.3	V			27-Jan-15	32.7	4348.3	V	S	03DAC2 PUMPING	4
312615109304201	D-23-28 08DDD	4258	02-Dec-04	66.5	4191.5	V			02-Feb-15	68.4	4189.6	V			-1.9
312654109301401	D-23-28 09BAD2	4303	08-Dec-04	57.5	4245.5	V			29-Jan-15	53.2	4249.8	V			4.3
312528109272501	D-23-28 13CCA	4489	30-Nov-04	193.1	4295.9	V			28-Jan-15	184.7	4304.3	V			8.4
312610109323901	D-23-28 18BBB	4170	02-Dec-04	219	3951	V			02-Feb-15	223.6	3946.4	V			-4.6
312412109270001	D-23-28 25ACB	4525	30-Nov-04	230.1	4294.9	V	K		28-Jan-15	230.8	4294.2	V			-0.7
312420109281901	D-23-28 26BAB	4350	30-Nov-04	64.9	4285.1	V			28-Jan-15	48.4	4301.6	S			16.5
312248109323801	D-23-28 31CCC	4042	02-Dec-04	305.5	3736.5	V			03-Feb-15	337.1	3704.9	V			-31.6
312145109452401	D-24-25 12ABB	4257	07-Dec-04	161	4096	V			29-Jan-15	152.6	4104.4	V			8.4
313034109470701	D-24-25 15DAB	4390	07-Dec-04	74.6	4315.4	V			03-Feb-15	68.3	4321.7	V			6.3
312207109404801	D-24-26 02CCB	4120	06-Dec-04	178.5	3941.5	V			27-Jan-15	162.4	3957.6	V			16.1
312209109364501	D-24-27 04CBC	3980	06-Dec-04	55.5	3924.5	V			29-Jan-15	57.1	3922.9	V			-1.6
312203109375201	D-24-27 06DDA	4006	06-Dec-04	81	3925	V			26-Jan-15	80.7	3925.3	V			0.3
312149109384501	D-24-27 07BBB	4043	06-Dec-04	105.7	3937.3	V			26-Jan-15	104.4	3938.6	V			1.3
312107109384701	D-24-27 07CCB	4043	06-Dec-04	107.7	3935.3	V			26-Jan-15	104.8	3938.2	V			2.9
312122109363201	D-24-27 09CAB	3975	06-Dec-04	114.9	3860.1	V			29-Jan-15	25.1	3949.9	V	K		89.8
312125109364101	D-24-27 09CBA1	3980	06-Dec-04	114.9	3865.1	V	K		29-Jan-15	59.8	3920.2	V	K		55.1
312110109362201	D-24-27 09CDA	3973	01-Dec-04	54.9	3918.1	V			28-Jan-15	56.6	3916.4	V			-1.7
312126109344701	D-24-27 10ADD	3942	06-Dec-04	189.8	3752.2	V			29-Jan-15	203.3	3738.7	V			-13.5
312123109351101	D-24-27 10DBB1	3922	02-Dec-04	187	3735	V			27-Jan-15	213.2	3708.8	V			-26.2
312147109332201	D-24-27 12BAB	3990	01-Dec-04	186.7	3803.3	V			26-Jan-15	102	3888	V	K	CASCADING WELL AT TIME OF MEASUREMENTS.	84.7
312045109332001	D-24-27 13BAC	3965	02-Dec-04	252.9	3712.1	V			27-Jan-15	275	3690	V			-22.1
312020109341901	D-24-27 14CAD2	3922	01-Dec-04	201.3	3720.7	V			26-Jan-15	229	3693	V			-27.7
312153109284701	D-24-28 03DDC	4253	29-Nov-04	32.4	4220.6	V			29-Jan-15	29.8	4223.2	V			2.6

Appendix 3. Douglas Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
312242109323101	D-24-28 06BBA	4040	02-Dec-04	308.9	3731.1	V			29-Jan-15	338.4	3701.6	V			-29.5
312058109322601	D-24-28 07CDC	4025	02-Dec-04	318.1	3706.9	V	R		27-Jan-15	340.6	3684.4	V			-22.5
312150109313601	D-24-28 08BBB	4060	02-Dec-04	347.2	3712.8	V	R		27-Jan-15	361.2	3698.8	V			-14

1. S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R elect ic tape, VT = A.D.W.R calibrated electric tape
2. K = Cascading Water, R = Recently Pumped, S = Nearby Pumping, Z = Other

Appendix 4

Selected hydrographs for the Douglas Basin.

Appendix 4. Selected hydrographs for the Douglas Basin.

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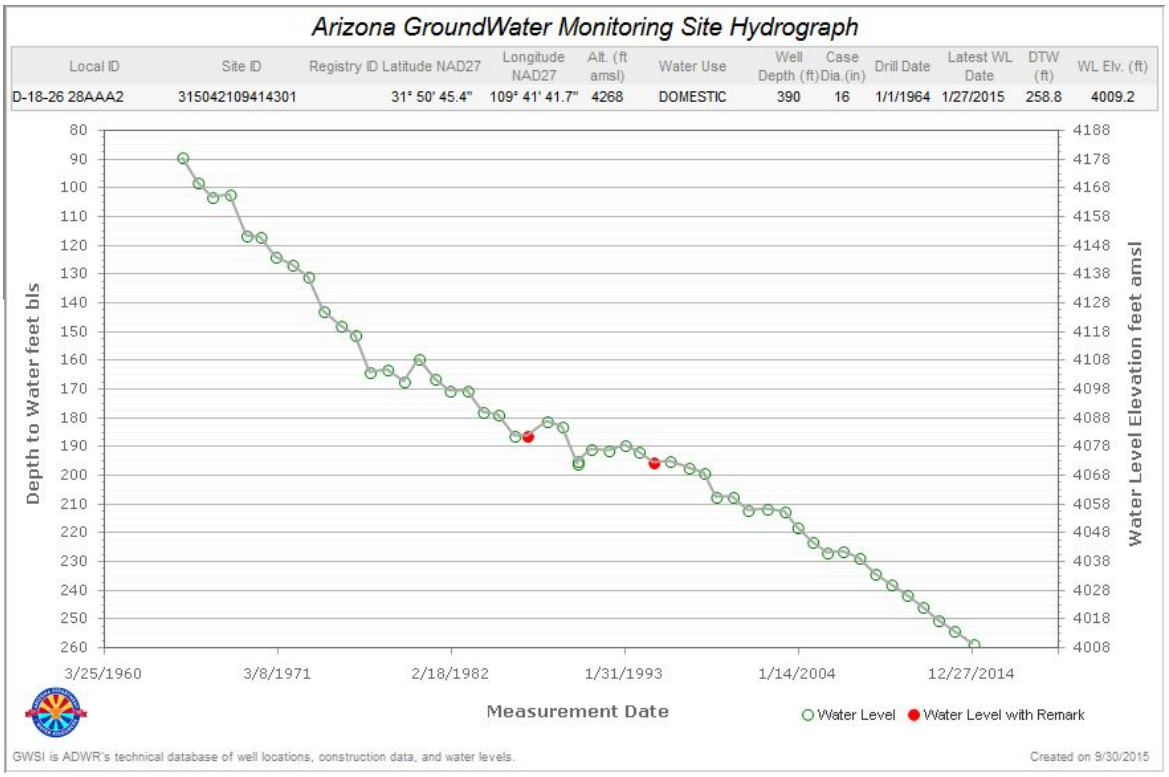

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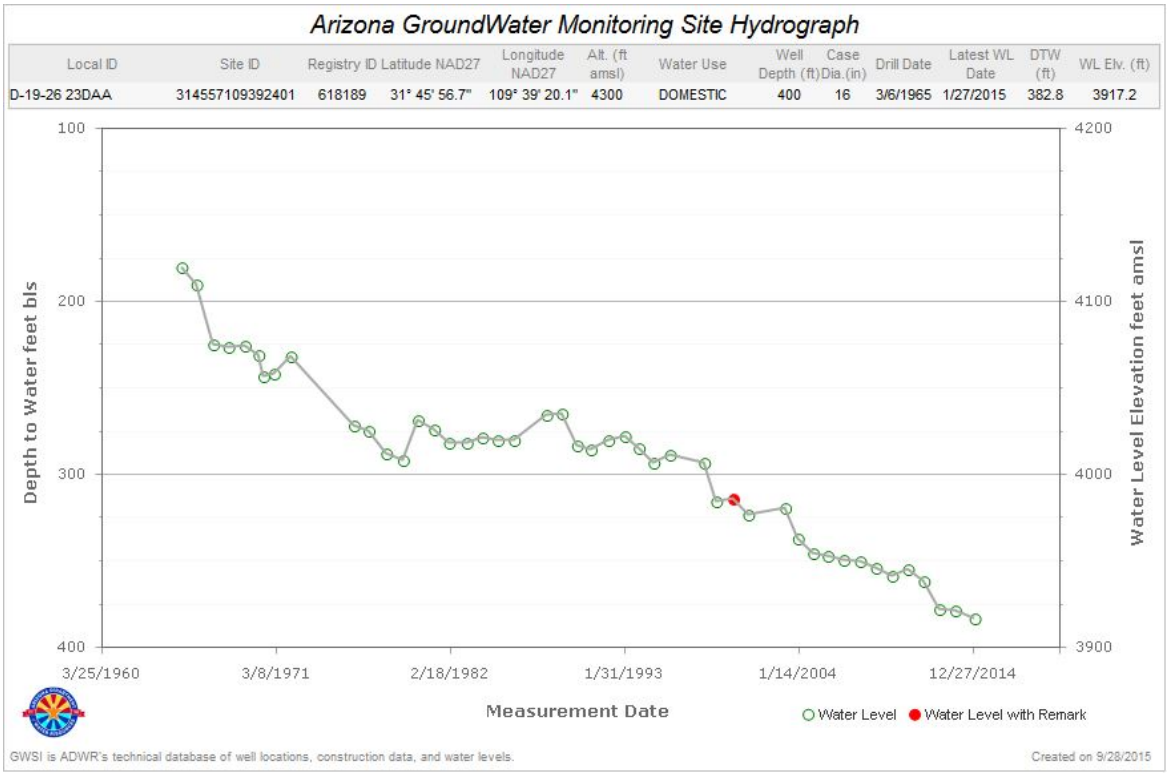

Appendix 4. Selected hydrographs for the Douglas Basin.

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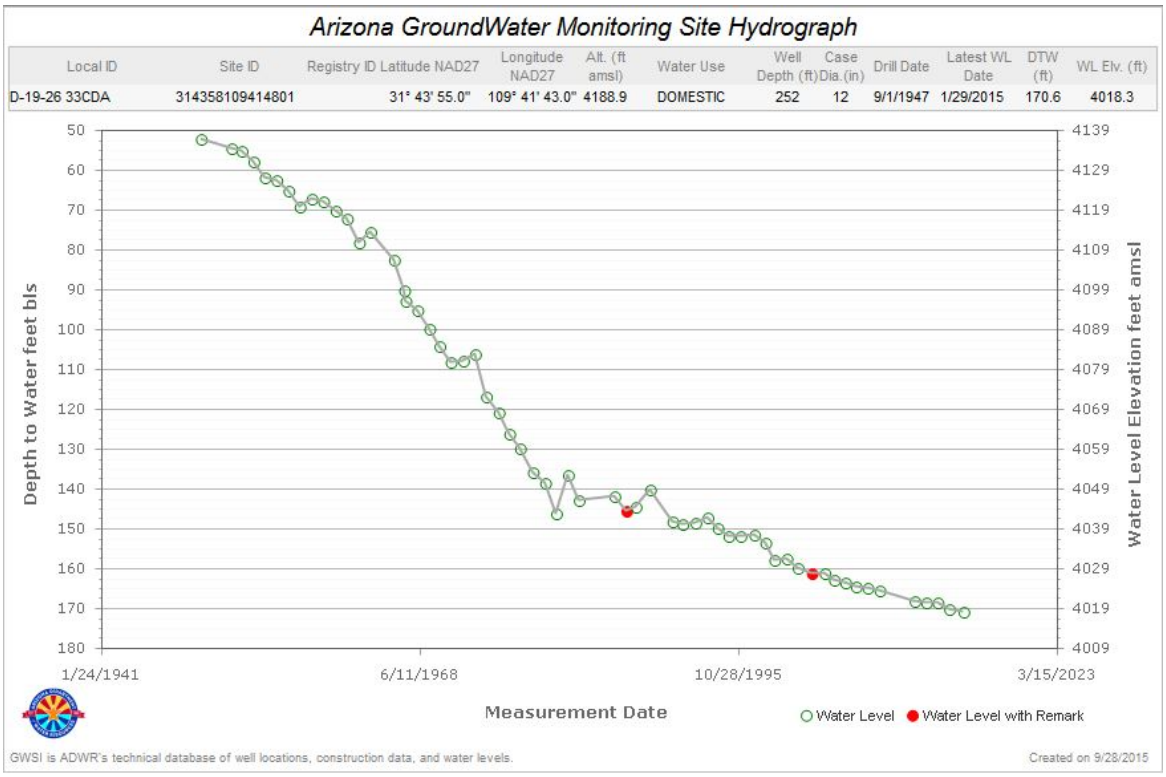

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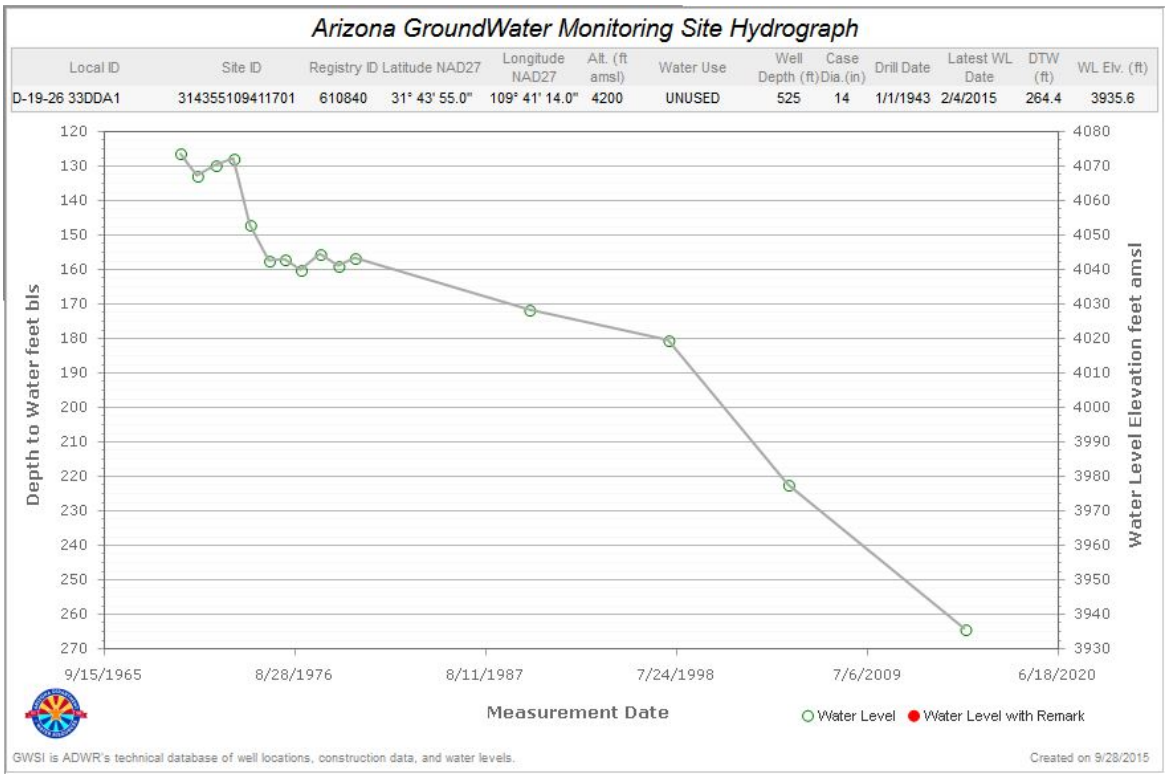

Appendix 4. Selected hydrographs for the Douglas Basin.

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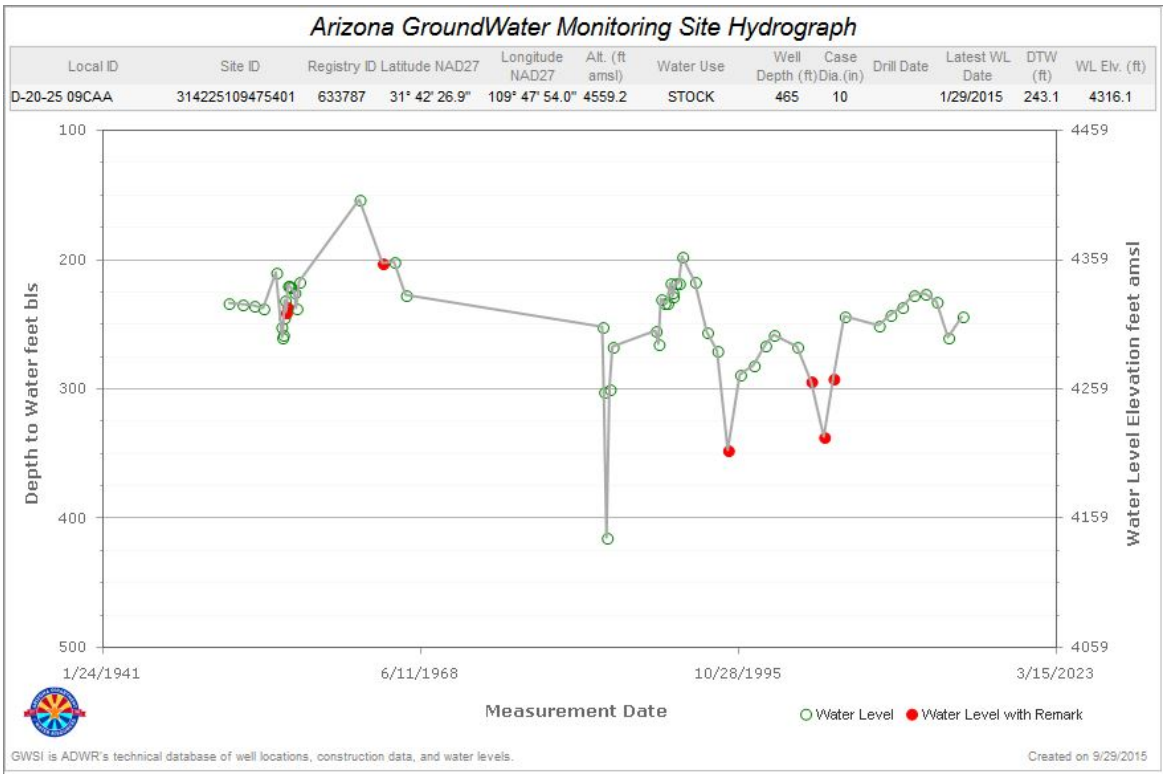

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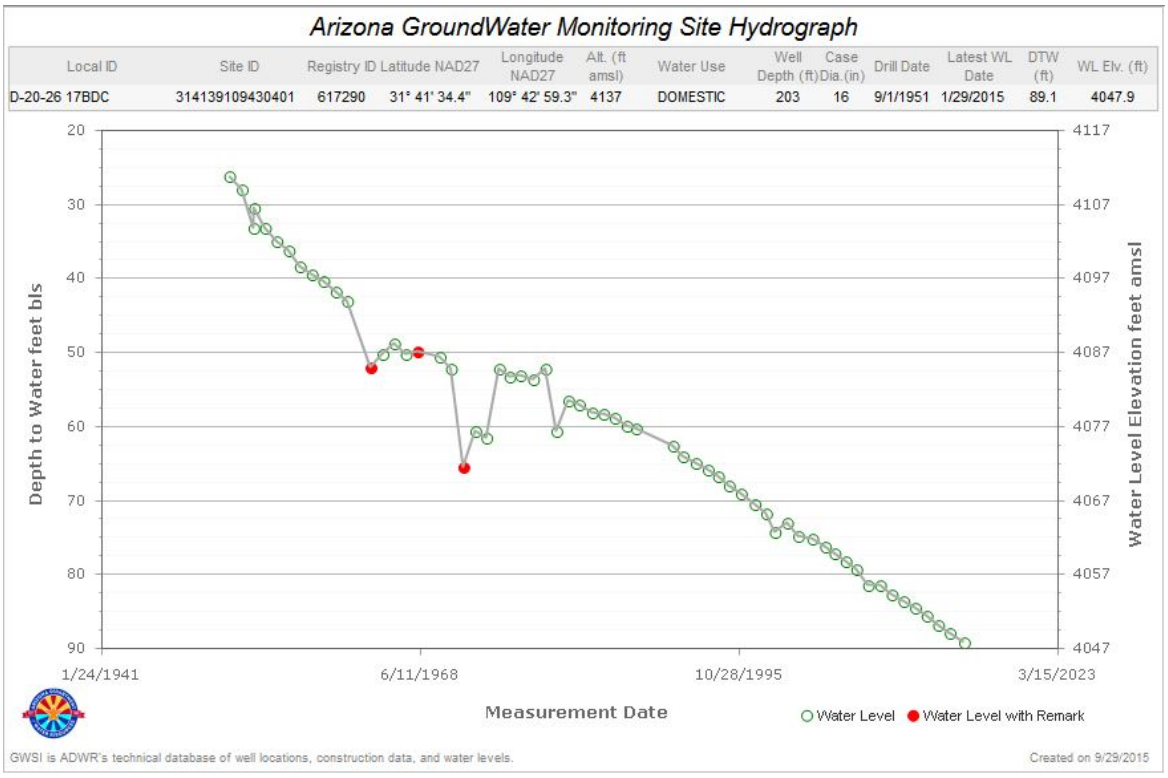

Appendix 4. Selected hydrographs for the Douglas Basin.

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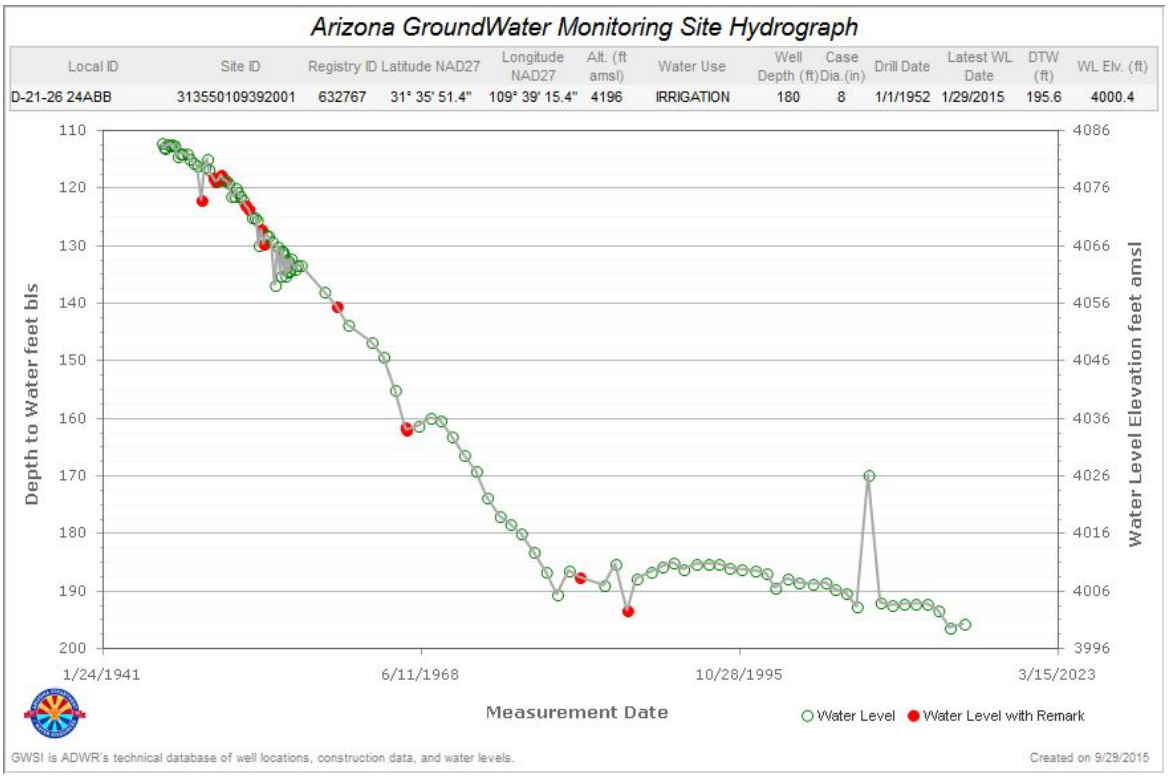

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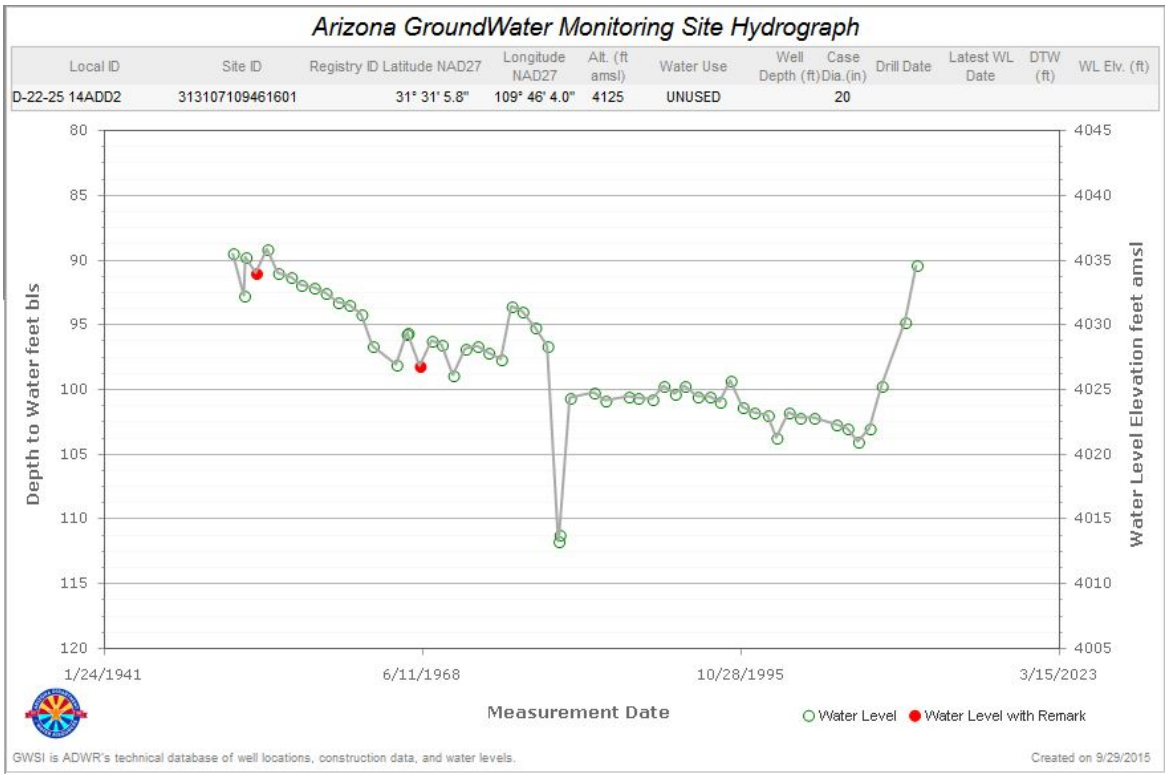

Appendix 4. Selected hydrographs for the Douglas Basin.

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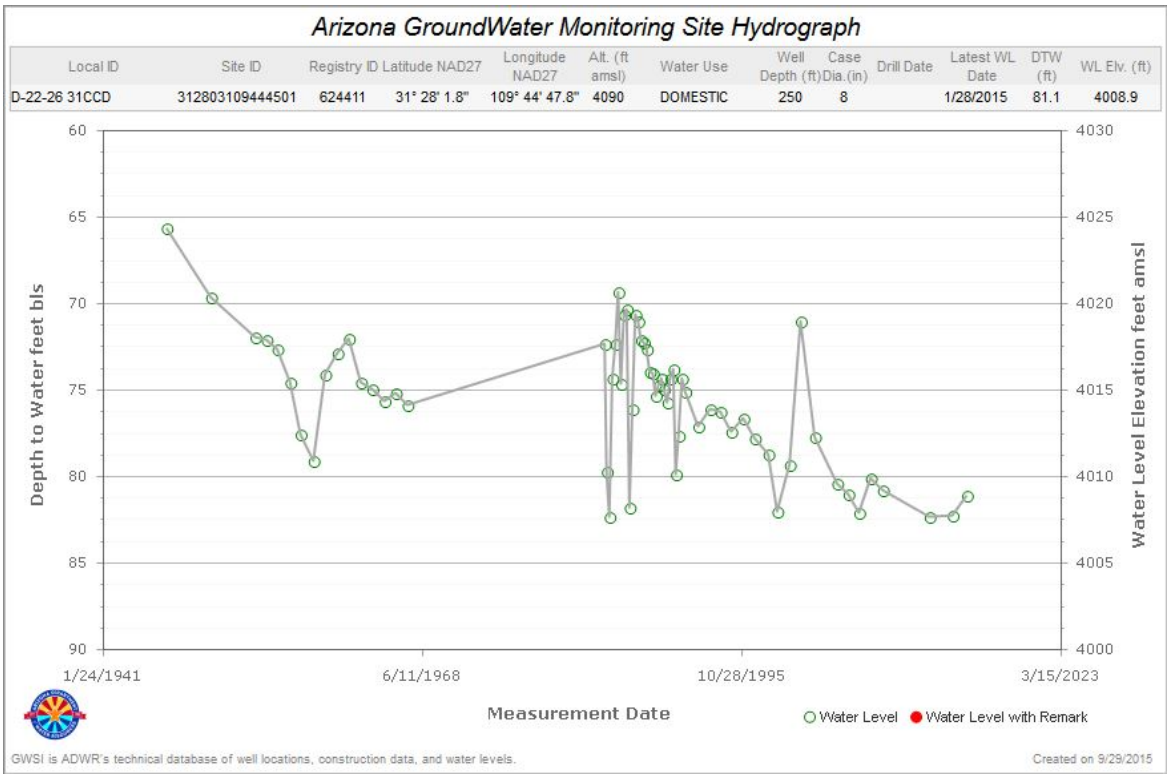

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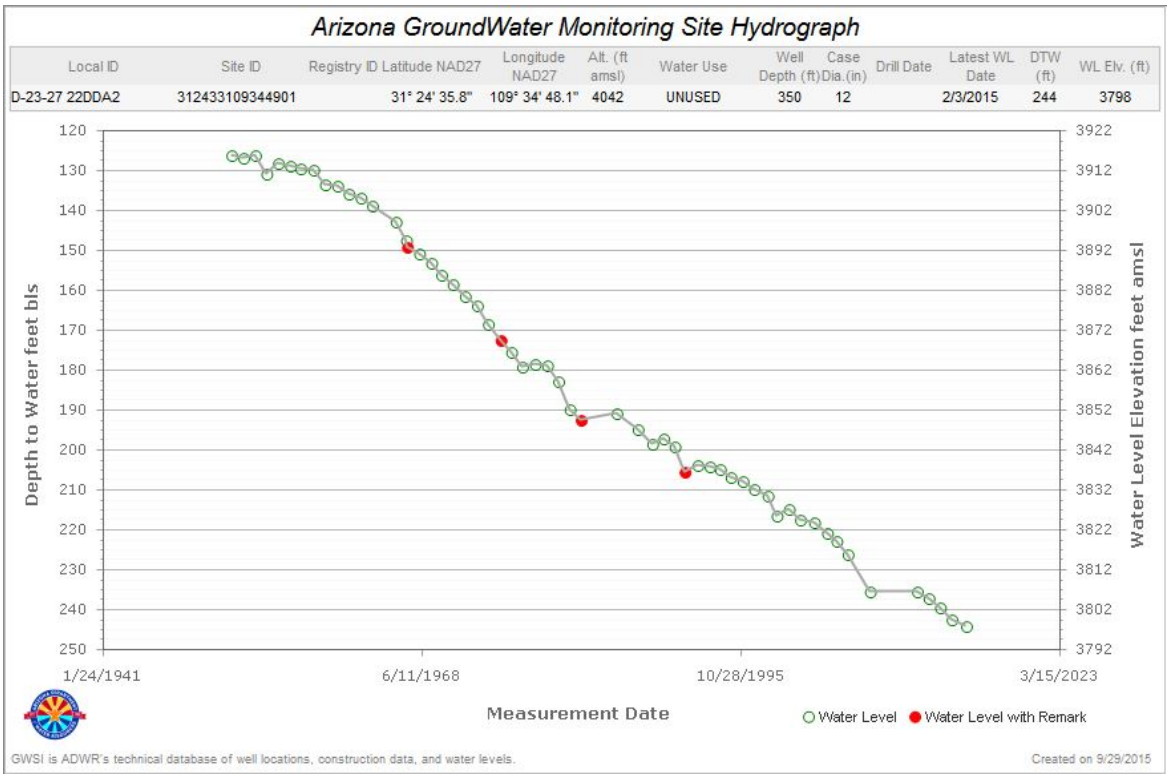

Appendix 4. Selected hydrographs for the Douglas Basin.

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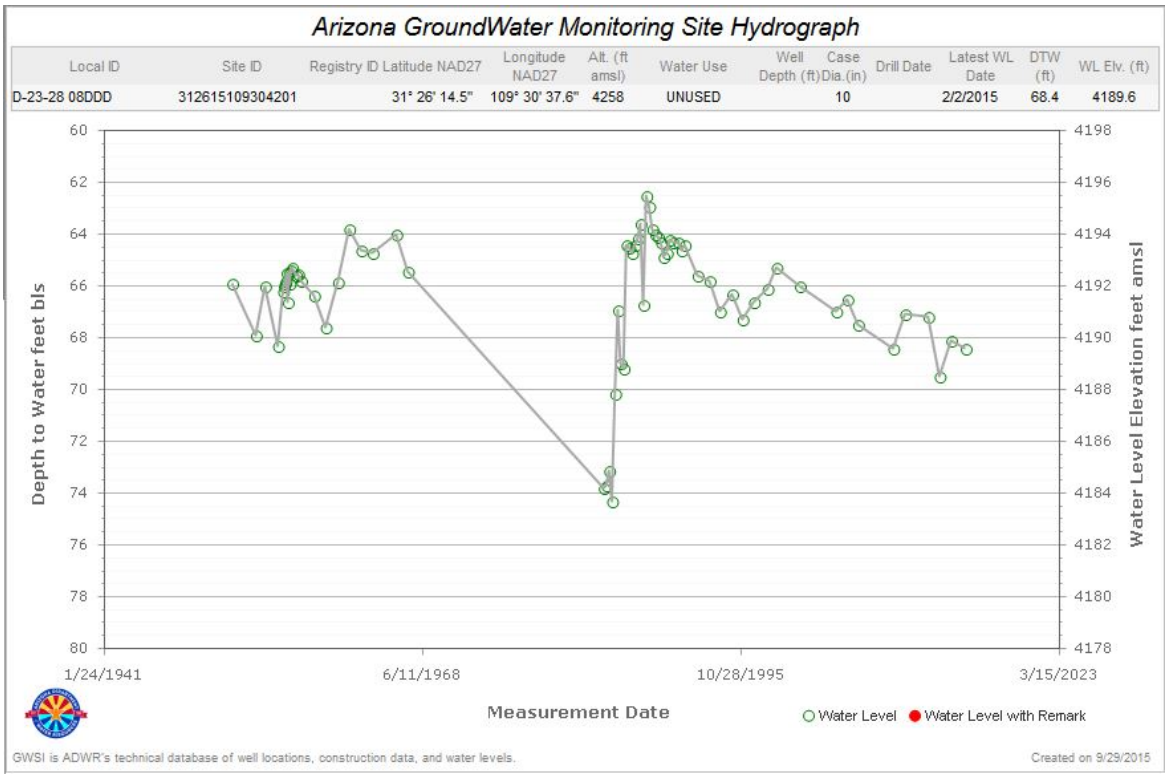

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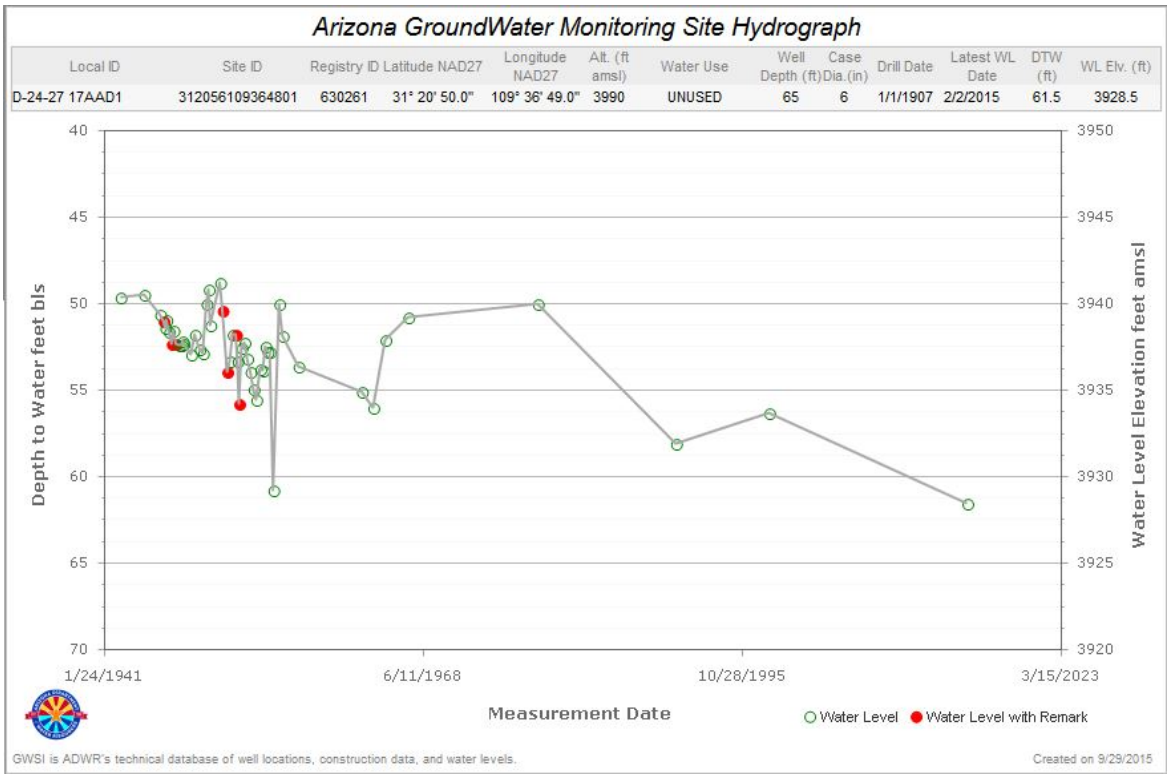

Appendix 5

San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321330109004301	24S 21W 09 334A		4260	32° 13' 30.2'' / 109° 0' 42.5''			U	U		07-Feb-07				D	
321334109004401	24S 21W 09 334B		4282	32° 13' 34.1'' / 109° 0' 44.4''			W	S		07-Feb-07	77.6	4204.4	V		
321251109004901	24S 21W 16 333		4300	32° 12' 50.7'' / 109° 0' 49.3''			W	S		07-Feb-07	39.9	4260.1	V		
320528109004001	25S 21W 33 114		4170	32° 5' 28.5'' / 109° 0' 39.6''			U	U		07-Feb-07	309.5	3860.5	V		
320137109000201	26S 21W 21 313		4064	32° 1' 37.9'' / 109° 0' 1.7''			W	S		09-Feb-07	189.1	3874.9	S		
320122109013701	26S 21W 30 122A		3937	32° 1' 22.4'' / 109° 1' 38.2''			U	U		09-Feb-07			V	D	
320122109013801	26S 21W 30 122B		3937	32° 1' 22.4'' / 109° 1' 37.9''	95	95	W	S		09-Feb-07	50.1	3886.9	V		
320007109011601	26S 21W 31 243		3971	32° 0' 8.3'' / 109° 1' 17.4''	125	125	W	S		09-Feb-07	95.1	3875.9	S		
320415109023701	26S 22W 01 413		3874	32° 4' 17.2'' / 109° 2' 36.6''	300	300	W	S		07-Feb-07	33.7	3840.3	V		
320339109021601	26S 22W 12 223		3892	32° 3' 51.5'' / 109° 2' 19.4''	135	135	W	S		07-Feb-07	74.1	3817.9	V		
320308109024901	26S 22W 12 343		3909	32° 3' 9.4'' / 109° 2' 49.9''	350	350	W	S		08-Feb-07	55.1	3853.9	V		
320322109022701	26S 22W 12 414		3885	32° 3' 21'' / 109° 2' 26.3''			*	*		08-Feb-07	30.8	3854.2	V		
320210109023201	26S 22W 24 211		3940	32° 2' 11.1'' / 109° 2' 32.6''			W	I		08-Feb-07	76.9	3863.1	S		
320212109022301	26S 22W 24 212		3925	32° 2' 13'' / 109° 2' 22.7''			W	H		08-Feb-07	51.2	3873.8	V		
315551108551401	27S 20W 30 243		4450	31° 55' 49'' / 108° 55' 8.1''			W	H		08-Feb-07			V	O	
315836109011501	27S 21W 07 232A		4019	31° 58' 27.7'' / 109° 1' 23.1''	400	400	W	I	Annually	14-Mar-07	127.5	3891.5	V		
315702109002601	27S 21W 17 434		4054	31° 57' 1.4'' / 109° 0' 26''	180	180	W	S		14-Mar-07	132	3922	V		
315650108584501	27S 21W 22 123		4195	31° 56' 50'' / 108° 58' 45''			W	S		08-Feb-07			V	Z	
315533109002801	27S 21W 29 422		4058	31° 55' 33.4'' / 109° 0' 31.6''			W	S		14-Mar-07	87.3	3970.7	V		
315532109013101	27S 21W 30 413		4101	31° 55' 32.2'' / 109° 1' 29.9''	200	200	U	U		14-Mar-07	137.2	3963.8	V		
315846109011601	27S 21W S06 443		4001	31° 58' 46.5'' / 109° 1' 15.9''	180	180	W	S	Annually	14-Mar-07	120.8	3880.2	V		
315908109025301	27S 22W S01 134		4062	31° 59' 8.4'' / 109° 2' 53.4''			U	U		13-Mar-07	146	3916	V		
315858109025301	27S 22W S01 314		4061	31° 58' 58'' / 109° 2' 53.6''	505	505	U	U		13-Mar-07	150.2	3910.8	V		
315344109002901	28S 21W 05 413		4073	31° 53' 43.7'' / 109° 0' 28.4''			W	S		08-Feb-07	101.6	3971.4	V	P	
315237109013001	28S 21W 18 211		4085	31° 52' 35.8'' / 109° 1' 31.4''			W	H		08-Feb-07	96	3989	V		
315133109012201	28S 21W 19 214		4092	31° 51' 34.7'' / 109° 1' 24''			W	S		30-Jan-07			V	P	
315051109010301	28S 21W 30 222		4132	31° 50' 50.7'' / 109° 1' 3.7''	471	471	W	I		07-Feb-07	123.2	4008.8	V		
315030109010701	28S 21W 30 242A		4131	31° 50' 37.3'' / 109° 1' 3''	600	600	W	I		07-Feb-07	125.4	4005.6	V		
315037109010401	28S 21W 30 242B		4131	31° 50' 36.8'' / 109° 1' 3.6''			W	H		07-Feb-07	124.9	4006.1	V		
315002109010301	28S 21W 30 444		4131	31° 50' 2'' / 109° 1' 3.4''			W	H		30-Jan-07			V	O	
314935109015901	28S 21W 31 133		4137	31° 49' 37.1'' / 109° 2' 1.9''	350	350	W	I	Annually	07-Feb-07	108.5	4028.5	V		
315001109013201	28S 21W 31 211		4126	31° 50' 0.5'' / 109° 1' 30.8''			W	S		30-Jan-07	103.1	4022.9	V		
314910109020001	28S 21W 31 333		4145	31° 49' 11.8'' / 109° 2' 2.9''	495	495	W	I		07-Feb-07	116	4029	V		
314911109014701	28S 21W 31 344		4146	31° 49' 8.9'' / 109° 1' 41.8''	270	270	W	I		07-Feb-07	124.7	4021.3	V		
315056109021101	28S 22W 24 444		4103	31° 50' 55.7'' / 109° 2' 10.4''			W	S		30-Jan-07	84.4	4018.6	V		
315003109022401	28S 22W 25 434		4123	31° 50' 2.5'' / 109° 2' 23.8''			W	I		30-Jan-07			V	O	
314936109023501	28S 22W 36 134		4135	31° 49' 36.1'' / 109° 2' 52.2''	300	300	W	I		30-Jan-07	102.6	4032.4	V		
314909109023401	28S 22W 36 334		4145	31° 49' 9.6'' / 109° 2' 52.3''	300	300	W	I		30-Jan-07	113.8	4031.2	V		
314913109023501	28S 22W 36 433		4141	31° 49' 12.9'' / 109° 2' 34.7''	350	350	W	I		30-Jan-07			V	O	
314842109013301	29S 21W 06 133		4153	31° 48' 43.5'' / 109° 1' 34.3''	665	665	W	I		07-Feb-07	125.9	4027.1	V		
314857109021301	29S 22W 01 124		4145	31° 48' 53.7'' / 109° 2' 11.3''	393	393	W	I		06-Feb-07	116.5	4028.5	V		
314845109015901	29S 22W 01 234		4153	31° 48' 43.5'' / 109° 1' 57.4''	350	350	W	I		07-Feb-07	123.9	4029.1	V		
314831109023201	29S 22W 01 314		4155	31° 48' 30.2'' / 109° 2' 28.2''	925	925	W	I		06-Feb-07			V	O	
314818109023001	29S 22W 01 333		4158	31° 48' 17.1'' / 109° 2' 37''	555	555	U	U		06-Feb-07	129.8	4028.2	V		
314837109020001	29S 22W 01 413		4155	31° 48' 35.1'' / 109° 2' 6.3''	330	330	W	I		07-Feb-07			Z	O	
314818109014201	29S 22W 01 444		4162	31° 48' 17.7'' / 109° 1' 42.1''	575	575	W	I		07-Feb-07	136.9	4025.1	V		
314750109024501	29S 22W 11 243A		4164	31° 47' 50.7'' / 109° 2' 51.2''	385	385	W	I	Annually	06-Feb-07	134.1	4029.9	V		
314752109023701	29S 22W 12 133		4161	31° 47' 50.8'' / 109° 2' 36.6''	663	663	W	I		06-Feb-07	135.4	4025.6	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
324211109133301	D-08-30 25DCB2	644543	3965	32° 42' 11.2'' / 109° 13' 33.8''	480	480	W	S	Inactive	05-Feb-07				Z	UTM - UNABLE TO REMOVE PLUG - ACTIVE AND PUMPING
323905109195901	D-09-29 13BDC	615671	3710	32° 39' 4.9'' / 109° 19' 59.5''	375	375	W	H		06-Feb-07	236	3474	V	Z	
323558109212801	D-09-29 34DDC	615672	3788	32° 35' 57.6'' / 109° 21' 28.3''	0	0	W	S		06-Feb-07				Z	
323939109143101	D-09-30 11DCB	615673	3810	32° 39' 38.7'' / 109° 14' 30.7''	700	700	W	S		06-Feb-07			V	D	
323817109173201	D-09-30 20ACA	615675	3660	32° 38' 16.4'' / 109° 17' 32.5''	320	320	W	U		06-Feb-07	190.7	3469.3	V		
323558109162901	D-09-30 33DCD	615676	3590	32° 35' 58.3'' / 109° 16' 29.1''	0	0	W	S		06-Feb-07				Z	
323142109253101	D-10-28 25DDD		3450	32° 31' 42'' / 109° 25' 31''	1555	1555	T	U		06-Feb-07			V	Z	
323143109284301	D-10-28 28DDC		3359	32° 31' 43'' / 109° 28' 43''	200	200	U	U		06-Feb-07			V	Z	
323124109253301	D-10-28 36ADA	615746	3437	32° 31' 24.2'' / 109° 25' 31.6''	1925	1477	W	S		06-Feb-07	0	3437	E	F	
323259109234501	D-10-29 20ACD	624547	3639	32° 32' 59.6'' / 109° 23' 44.7''	525		W	U		06-Feb-07	207.6	3431.4	V		
323007109202601	D-10-29 24BCA		3502	32° 33' 7.4'' / 109° 20' 7.4''			W	S		06-Feb-07				D	
322939109422501	D-11-26 08ADA1	644142	4796	32° 29' 39.4'' / 109° 42' 24.8''			W	S		29-Jan-07			V	P	
322939109422601	D-11-26 08ADA2	644143	4800	32° 29' 39.3'' / 109° 42' 25''			W	S		29-Jan-07	24.2	4775.8	V	S	
322756109431001	D-11-26 20BCA	644138	4871	32° 27' 55.9'' / 109° 43' 10.2''			W	S		29-Jan-07			V	W	
322753109401501	D-11-26 23BCC	615819	4463	32° 27' 52.5'' / 109° 40' 14.3''	500	500	W	S		29-Jan-07	436.8	4026.2	V		
322620109435501	D-11-26 31BAD	615818	4915	32° 26' 19.2'' / 109° 43' 54.9''	50	50	W	S		08-Feb-07	44.4	4870.6	V		
322540109421001	D-11-26 33CCD	615820	4649	32° 25' 38.8'' / 109° 42' 10.3''	550	550	W	S		08-Feb-07	450.4	4198.6	V		
322716109291801	D-11-28 28ABA1	624543	3542	32° 27' 20.1'' / 109° 29' 17.3''	170	170	W	S		13-Mar-07	133.3	3408.7	V		
322716109291901	D-11-28 28ABA2	624544	3542	32° 27' 20.8'' / 109° 29' 19.1''	1818	1818	W	S		13-Mar-07	130.9	3411.1	V		
322544109315301	D-11-28 31CCA	615821	3668	32° 25' 44.6'' / 109° 31' 52.1''	169	169	W	S		07-Feb-07			V	Z	
322750109253501	D-11-29 19BDC		3503	32° 27' 50.2'' / 109° 25' 34.7''			U	U		13-Mar-07	64.9	3438.1	V		
322947109142801	D-11-30 12BBA	622826	3838	32° 29' 47.3'' / 109° 14' 28.8''	437	437	W	S		07-Feb-07	360.6	3477.4	V		
322817109163801	D-11-30 15CCB	615822	3630	32° 28' 19.2'' / 109° 16' 37.9''			W	S		14-Mar-07	153.6	3476.4	V		
322545109194001	D-11-30 31CCA	615823	3473	32° 25' 45.8'' / 109° 19' 38.5''	800	800	W	S	Annually	30-Jan-07	28.9	3444.1	V	P	
322545109194001	D-11-30 31CCA	615823	3473	32° 25' 45.8'' / 109° 19' 38.5''	800	800	W	S	Annually	14-Mar-07	27	3446	V		
322510109385601	D-12-26 01CAB	615862	4237	32° 25' 10.3'' / 109° 38' 55.3''	300	300	W	S		29-Jan-07	74.6	4162.4	V		
322503109435801	D-12-26 06CAD	632497	4786	32° 25' 3'' / 109° 43' 58.5''	375	375	W	S		08-Feb-07	218.3	4567.7	V		
322422109404301	D-12-26 10ACC	632495	4469	32° 24' 20.4'' / 109° 40' 43''	600	600	W	S		29-Jan-07	533.4	3935.6	V		
322342109442101	D-12-26 18BBC	632494	4634	32° 23' 41.8'' / 109° 44' 21''	300	300	W	S		08-Feb-07	131.3	4502.7	V		
322257109405501	D-12-26 22BAA	632500	4325	32° 22' 57.4'' / 109° 40' 55.2''	400	400	W	S		08-Feb-07			V	Z	
322156109421101	D-12-26 28BBD	615867	4347	32° 21' 55.9'' / 109° 42' 10.3''	500	500	W	S		05-Feb-07	377.9	3969.1	V		
322054109403001	D-12-26 34ADC	632499	4171	32° 20' 54.5'' / 109° 40' 29.6''	700	700	W	S		05-Feb-07	226.5	3944.5	V		
322336109331901	D-12-27 14ADB	609847	3795	32° 23' 34.4'' / 109° 33' 18.2''	540	540	W	S		07-Feb-07	432	3363	V		
322328109334201	D-12-27 14BDD		3827	32° 23' 28'' / 109° 33' 42''			W	S		07-Feb-07			V	Z	
322303109363501	D-12-27 17DCC	615872	4043	32° 23' 3.3'' / 109° 36' 35.7''	500	500	W	S		09-Feb-07	355.9	3687.1	V		
322238109335001	D-12-27 23BDC		3838	32° 22' 38'' / 109° 33' 50''			W	H		07-Feb-07			V	W	
322118109334601	D-12-27 26CDD		3900	32° 21' 17.7'' / 109° 33' 44.3''	330	330	W	H		30-Jan-07			V	O	
322153109350601	D-12-27 27BCB	613633	3892	32° 21' 52.3'' / 109° 35' 4.7''			U	U		30-Jan-07			V	O	
322110109362701	D-12-27 32AAB1		3979	32° 21' 11.6'' / 109° 36' 24.5''	250	250	U	U	Annually	06-Feb-07	130.3	3848.7	V		
322115109364701	D-12-27 32BAA	613629	3985	32° 21' 15.1'' / 109° 36' 46.5''	300	300	U	U		06-Feb-07	128.1	3856.9	V		
322047109350501	D-12-27 33DAA	649310	3794	32° 20' 44.3'' / 109° 35' 10.9''	325	325	U	U		31-Jan-07	193.4	3600.6	V		
322334109285801	D-12-28 15BCB	625831	3684	32° 23' 36.5'' / 109° 29' 0.9''	1000	1000	W	I	Annually	13-Mar-07	321.1	3362.9	V		
322333109290101	D-12-28 15BCC	625870	3680	32° 23' 33.8'' / 109° 29' 0.8''			W	H		13-Mar-07	267.4	3412.6	V	K	
322302109282801	D-12-28 15DCC	614580	3669	32° 23' 6.1'' / 109° 28' 28.5''	700	700	U	U		13-Mar-07	80.2	3588.8	V		
322334109292901	D-12-28 16ACB	625832	3697	32° 23' 39.2'' / 109° 29' 32''	830	830	W	I		13-Mar-07	331.9	3365.1	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322310109300201	D-12-28 16CCB	615874	3720	32° 23' 9.2'' / 109° 30' 1.6''			U	U		07-Feb-07			V	O	
322302109300001	D-12-28 16CCC	625833	3721	32° 23' 5.7'' / 109° 30' 1.7''	750	750	U	U		07-Feb-07	347.4	3373.6	V	K	
322302109293101	D-12-28 16CDD	625835	3703	32° 23' 1.3'' / 109° 29' 33.1''	1900	1900	W	I		13-Mar-07	359	3344	V		
322301109300901	D-12-28 17DDD	609816	3724	32° 23' 7'' / 109° 30' 4.9''	567	567	U	U	Annually	07-Feb-07	261.7	3462.3	V		
322248109302801	D-12-28 20ACB	606325	3748	32° 22' 47.7'' / 109° 30' 28.5''	800	800	W	I		07-Feb-07			V	Z	
322237109304601	D-12-28 20BDC		3760	32° 22' 37'' / 109° 30' 46''			W	I		09-Feb-07			V	Z	
322234109305501	D-12-28 20CBA	606324	3770	32° 22' 33.9'' / 109° 30' 54.3''	680	680	W	I		09-Feb-07			V	Z	
322238109310201	D-12-28 20CBB	606323	3774	32° 22' 34.3'' / 109° 31' 3.6''	1600	1600	W	I		09-Feb-07			V	Z	
322222109301901	D-12-28 20DBD1		3749	32° 22' 24.9'' / 109° 30' 21.2''	800	800	U	U		30-Jan-07	324.7	3424.3	V	K	
322225109302101	D-12-28 20DBD2	606326	3749	32° 22' 25.2'' / 109° 30' 21.3''			W	I		30-Jan-07	411.5	3337.5	V		
322218109300601	D-12-28 20DDD		3739	32° 22' 14.4'' / 109° 30' 2.9''	800	800	W	I		30-Jan-07	393.6	3345.4	V		
322210109284201	D-12-28 22CDC		3688	32° 22' 9.3'' / 109° 28' 44.8''	660	660	U	U		07-Feb-07	106.5	3581.5	V		
322210109275701	D-12-28 23CCC	625836	3668	32° 22' 8.3'' / 109° 27' 57.7''	1000	1000	W	I		07-Feb-07	319.7	3348.3	V		
322116109262201	D-12-28 25DCC		3645	32° 21' 16.79'' / 109° 26' 24.29''	1700	1700	U	U	Annually	07-Feb-07	275.1	3369.9	V		
322118109275701	D-12-28 26CCC	627786	3681	32° 21' 17'' / 109° 27' 57.2''	1000	1000	W	I		07-Feb-07	310	3371	V		
322116109274601	D-12-28 26CCD2		3681	32° 21' 16.8'' / 109° 27' 46.2''			U	U		07-Feb-07	353.3	3327.7	V		
322123109285901	D-12-28 27CCB	625837	3713	32° 21' 22.8'' / 109° 28' 59.7''	655	655	W	I		08-Feb-07	382.7	3330.3	V		
322116109285901	D-12-28 27CCC	625838	3713	32° 21' 16.4'' / 109° 28' 59.8''	110	110	W	I		07-Feb-07	77.4	3635.6	V		
322143109300001	D-12-28 28BCC	606336	3750	32° 21' 42.3'' / 109° 30' 1.9''	653	653	W	I		30-Jan-07	380	3370	V		
322118109295901	D-12-28 28CCC1		3747	32° 21' 17.2'' / 109° 29' 58.9''	500	500	U	U		07-Feb-07	142.6	3604.4	V	K	
322117109295801	D-12-28 28CCC2	606335	3747	32° 21' 17.2'' / 109° 29' 58.8''			U	I		12-Feb-07	413.9	3333.1	V		
322050109303101	D-12-28 32ACC	615877	3777	32° 20' 50.6'' / 109° 30' 32.1''	600	600	U	U		30-Jan-07			V	Z	
322048109300401	D-12-28 32DAA		3750	32° 20' 48'' / 109° 30' 4''			W	I		30-Jan-07			V	Z	
322025109303101	D-12-28 32DCC1	606341	3792	32° 20' 23.4'' / 109° 30' 30.9''	600	600	U	U		30-Jan-07	435.1	3356.9	V	K	
322025109303301	D-12-28 32DCC2	606340	3792	32° 20' 23.6'' / 109° 30' 31.7''			U	U		30-Jan-07			V	Z	
322025109302101	D-12-28 32DCD	606342	3781	32° 20' 27.4'' / 109° 30' 21.6''	1100	1100	W	I		30-Jan-07			V	Z	
322103109292901	D-12-28 33ABC2	606334	3735	32° 21' 3.3'' / 109° 29' 29.3''			U	U		07-Feb-07	406.2	3328.8	V		
322102109290601	D-12-28 33ADA1		3722	32° 21' 2.1'' / 109° 29' 7''			U	U		07-Feb-07	85.9	3636.1	V		
322101109290101	D-12-28 33ADA2		3722	32° 21' 1'' / 109° 29' 2.3''			U	U		06-Feb-07	86.2	3635.8	V		
322052109295801	D-12-28 33BCC	625843	3756	32° 20' 50.7'' / 109° 30' 1.4''	758	758	U	I		30-Jan-07			V	K	
322049109295001	D-12-28 33BCD		3748	32° 20' 50'' / 109° 29' 48''	488	488	U	U		07-Feb-07	380.1	3367.9	V		
322051109293301	D-12-28 33BDD		3745	32° 20' 49.8'' / 109° 29' 35.1''			U	U		06-Feb-07	96.1	3648.9	V		
322023109295901	D-12-28 33CCC		3772	32° 20' 23.1'' / 109° 29' 59.2''	953	953	U	U		08-Feb-07	453.3	3318.7	V		
322048109293001	D-12-28 33DBB	625872	3745	32° 20' 48.5'' / 109° 29' 30.9''			U	U		07-Feb-07	98.6	3646.4	V		
322101109285801	D-12-28 34BBC2	625842	3717	32° 21' 2.1'' / 109° 28' 59.9''			U	U		07-Feb-07	84.4	3632.6	V		
322106109285901	D-12-28 34BBC3	625840	3715	32° 21' 6.9'' / 109° 28' 59.7''			W	I		07-Feb-07	79.3	3635.7	V		
322101109285001	D-12-28 34BCA		3715	32° 21' 2.1'' / 109° 28' 50''			U	U		07-Feb-07	82.72	3632.28	S		
322050109274001	D-12-28 35BDC	625869	3688	32° 20' 49.4'' / 109° 27' 41.2''	640	640	U	U		07-Feb-07	207.7	3480.3	V		
322025109274601	D-12-28 35CDC1		3701	32° 20' 25.7'' / 109° 27' 42.8''			U	U		07-Feb-07	379.3	3321.7	V		
322325109235101	D-12-29 16CBB	622814	3562	32° 23' 25.6'' / 109° 23' 51.6''			W	S		06-Feb-07	119.2	3442.8	V		
322115109200301	D-12-29 25DDC	643393	3527	32° 21' 14.1'' / 109° 20' 0.4''	65	65	W	S		06-Feb-07	52	3475	V		
322022109215001	D-12-29 35CCC	622815	3568	32° 20' 23.2'' / 109° 21' 47.7''	300	300	U	U		06-Feb-07	102.8	3465.2	V		
322519109141601	D-12-30 01BAD	532775	3870	32° 25' 18.9'' / 109° 14' 16.5''			U	U		07-Feb-07	184.9	3685.1	V		
322531109125201	D-12-31 06AAB	533248	3990	32° 25' 31'' / 109° 12' 52.7''	320	320	W	S		07-Feb-07			V	O	
322008109431201	D-13-26 05BCB	615914	4362	32° 20' 9.1'' / 109° 43' 11.6''			W	S		05-Feb-07	84.8	4277.2	V		
321901109404601	D-13-26 10CAA	615915	4291	32° 19' 3.7'' / 109° 40' 46.2''	406	393	W	N		06-Feb-07			V	Z	
321849109405901	D-13-26 10CDB	615916	4321	32° 18' 49.2'' / 109° 40' 58.4''	300	300	W	S		05-Feb-07			V	O	
321824109413201	D-13-26 16ACA	803139	4396	32° 18' 24'' / 109° 41' 32.3''			U	U		06-Feb-07			V	W	

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321742109425401	D-13-26 20BAD	609827	4752	32° 17' 42.2'' / 109° 42' 53.1''			W	S		06-Feb-07	80.9	4671.1	V		
321707109320901	D-13-27 24DDA	648587	4041	32° 17' 7.4'' / 109° 32' 7.8''	195	195	W	S		06-Feb-07	98.2	3942.8	V		
321931109272501	D-13-28 02DCC	615923	3704	32° 19' 31'' / 109° 27' 25.6''	1000	1000	U	U		08-Feb-07	370.2	3333.8	V		
321931109265701	D-13-28 02DDD	615924	3691	32° 19' 31'' / 109° 26' 57.3''	1010	1010	U	U		08-Feb-07	372.3	3318.7	V		
322012109285801	D-13-28 03BBC	625844	3742	32° 20' 10.4'' / 109° 28' 59.9''			W	I		31-Jan-07	424.7	3317.3	V		
321915109311401	D-13-28 07BDA		3883	32° 19' 15'' / 109° 31' 39.8''			U	U		06-Feb-07			V	O	
321849109313401	D-13-28 07DCB	648582	3898	32° 18' 48.4'' / 109° 31' 32.7''			W	S		06-Feb-07	474.8	3423.2	V		
321905109300001	D-13-28 09BCC	606346	3808	32° 19' 7.4'' / 109° 30' 1.8''			U	U		31-Jan-07	500.1	3307.9	V	V	
321902109270001	D-13-28 11ADC	632527	3705	32° 19' 9.3'' / 109° 27' 6.9''	504	504	W	H		30-Jan-07	227.6	3477.4	V		
321902109270001	D-13-28 11ADC	632527	3705	32° 19' 9.3'' / 109° 27' 6.9''	504	504	W	H		29-Jan-07	228.2	3476.8	V	R	
321855109272601	D-13-28 11DBC	803230	3722	32° 18' 51.7'' / 109° 27' 27.4''	500	500	W	I		29-Jan-07	380.8	3341.2	V		
321850109265701	D-13-28 12CBC	803229	3718	32° 18' 52'' / 109° 26' 55.7''	515	515	W	H		29-Jan-07	374.4	3343.6	V		
321854109261601	D-13-28 12DBD	805448	3702	32° 18' 55.3'' / 109° 26' 17.1''	800	800	W	N		01-Feb-07	315.2	3386.8	V		
321854109261601	D-13-28 12DBD	805448	3702	32° 18' 55.3'' / 109° 26' 17.1''	800	800	W	N		29-Jan-07	320.4	3381.6	V	R	
321825109265601	D-13-28 13BCB		3732	32° 18' 25.2'' / 109° 26' 57.1''			U	U		29-Jan-07	386.1	3345.9	V		
321813109265601	D-13-28 13BCC1		3738	32° 18' 12.7'' / 109° 26' 56.8''	800	800	U	U		29-Jan-07	201.6	3536.4	V		
321812109265401	D-13-28 13BCC3	610897	3738	32° 18' 12.3'' / 109° 26' 55.5''	145	145	W	I		29-Jan-07	108.7	3629.3	V		
321818109265601	D-13-28 13BCC4	604798	3735	32° 18' 18.1'' / 109° 26' 56.8''	804	804	U	U		29-Jan-07	105.1	3629.9	V		
321812109264401	D-13-28 13BCD	610898	3732.16	32° 18' 12.11'' / 109° 26' 46.79''	177	177	U	U	Transducer	06-Mar-07	107.26	3624.9	V		
321812109264401	D-13-28 13BCD	610898	3732.16	32° 18' 12.11'' / 109° 26' 46.79''	177	177	U	U	Transducer	17-May-07	107.56	3624.6	VT		
321812109264401	D-13-28 13BCD	610898	3732.16	32° 18' 12.11'' / 109° 26' 46.79''	177	177	U	U	Transducer	13-Dec-06	106.98	3625.18	V		
321804109265601	D-13-28 13CBB	610899	3742	32° 18' 5'' / 109° 26' 56.6''	163	163	U	U		30-Jan-07	112.5	3629.5	V		
321800109265701	D-13-28 13CBC	604794	3747	32° 17' 59.4'' / 109° 26' 56.8''	800	800	W	I		29-Jan-07	394.7	3352.3	V		
321746109265401	D-13-28 13CCC1		3757	32° 17' 46.8'' / 109° 26' 56.6''			U	U		30-Jan-07	118.5	3638.5	V		
321746109265001	D-13-28 13CCC3		3755	32° 17' 46.2'' / 109° 26' 51''			U	U		29-Jan-07	120	3635	V		
321746109264301	D-13-28 13CCD	610902	3754	32° 17' 46'' / 109° 26' 46.6''	156	156	U	U		30-Jan-07	120.9	3633.1	V		
321746109263801	D-13-28 13CDC	610903	3752	32° 17' 46.2'' / 109° 26' 39.3''	164	164	U	U		30-Jan-07	119.6	3632.4	V		
321749109262301	D-13-28 13DCC1	604797	3745	32° 17' 46.8'' / 109° 26' 25''	750	750	W	I		30-Jan-07	381.7	3363.3	V		
321746109261801	D-13-28 13DCC2	610901	3745	32° 17' 46.3'' / 109° 26' 18.9''	165	165	U	U		30-Jan-07	117.6	3627.4	V		
321746109271701	D-13-28 14DCD	618348	3766	32° 17' 46.4'' / 109° 27' 17.5''	900	900	W	I		09-Feb-07	416.8	3349.2	V		
321813109284201	D-13-28 15BDC	627784	3789	32° 18' 12.5'' / 109° 28' 42''	1013	1013	W	I		31-Jan-07	477.6	3311.4	V		
321748109282601	D-13-28 15DCC	606352	3798	32° 17' 47.6'' / 109° 28' 29.9''			W	I		09-Feb-07	480.3	3317.7	V		
321749109295801	D-13-28 16CCC	606345	3868	32° 17' 47'' / 109° 29' 59.3''	895	895	U	U		06-Feb-07			V	O	
321748109292701	D-13-28 16DCC	615926	3839	32° 17' 46.4'' / 109° 29' 31.6''	671	671	U	U		08-Feb-07	536.7	3302.3	V		
321807109300701	D-13-28 17DAA		3853	32° 18' 6.1'' / 109° 30' 8''	300	300	W	H		06-Feb-07			V	W	
321722109282801	D-13-28 22ACC		3815	32° 17' 21.6'' / 109° 28' 28.5''			W	I		08-Feb-07	489.6	3325.4	V		
321721109286001	D-13-28 22BCC	618342	3838	32° 17' 19.6'' / 109° 28' 59.6''	892	892	W	I	Annually	30-Jan-07	522	3316	V		
321655109282701	D-13-28 22DCC	806254	3841	32° 16' 55.6'' / 109° 28' 26.3''	892	892	U	U		30-Jan-07			V	O	
321720109265701	D-13-28 23ADD	618345	3779	32° 17' 19.9'' / 109° 26' 57.4''			U	U		08-Feb-07	420.1	3358.9	V		
321721109274801	D-13-28 23BCC	618343	3796	32° 17' 20'' / 109° 27' 52.6''	800	800	W	I		08-Feb-07	453.6	3342.4	V		
321655109272401	D-13-28 23DCC1	618346	3811	32° 16' 53.9'' / 109° 27' 24.4''	530	530	W	I		30-Jan-07	453.1	3357.9	V		
321656109265601	D-13-28 24CCC2	618358	3801	32° 16' 53.7'' / 109° 26' 56.7''	520	520	U	U		30-Jan-07	352	3449	V		
321654109265501	D-13-28 24CCC3	618347	3801	32° 16' 53.9'' / 109° 26' 56.7''	700	700	U	U		30-Jan-07	319.5	3481.5	V		
321603109310901	D-13-28 30DDD	648585	4153	32° 16' 2.9'' / 109° 31' 8.5''	200	200	W	S		07-Feb-07	147.4	4005.6	V		
321559109311201	D-13-28 31AAA	648586	4161	32° 15' 58'' / 109° 31' 11.4''	200	200	U	U		07-Feb-07	130.9	4030.1	V		
321544109275601	D-13-28 35BCB	615927	3696	32° 15' 46'' / 109° 27' 54.9''	640	622	W	S		08-Feb-07	481.9	3214.1	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321931109255401	D-13-29 06CCC2	622794	3672	32° 19' 31.9'' / 109° 25' 54.5''	1000	1000	W	I		08-Feb-07	329.8	3342.2	V		
321931109251901	D-13-29 06DCC	622795	3661	32° 19' 27.7'' / 109° 25' 26.4''	926	926	U	U		08-Feb-07	312.4	3348.6	V		
321747109211301	D-13-29 14DCA	612874	3629	32° 17' 47.6'' / 109° 21' 13.2''	158	158	W	I		08-Feb-07	88.7	3540.3	V		
321739109211901	D-13-29 14DCC	612873	3638	32° 17' 37.8'' / 109° 21' 21''	165	165	W	I		07-Feb-07	95.8	3542.2	V		
321743109205801	D-13-29 14DDA	612876	3625	32° 17' 43.8'' / 109° 20' 59.1''	162	162	W	I		08-Feb-07	88.8	3536.2	V		
321745109210501	D-13-29 14DDB	612875	3627	32° 17' 45.3'' / 109° 21' 3.5''	172	172	W	I		08-Feb-07	87.8	3539.2	V		
321710109242601	D-13-29 20ACC	618353	3731	32° 17' 11.8'' / 109° 24' 25.4''	616	616	U	U		30-Jan-07	309.4	3421.6	V		
321704109245601	D-13-29 20BCC	618352	3743	32° 17' 9.8'' / 109° 24' 57.5''	576	576	U	U		30-Jan-07	269.6	3473.4	V		
321644109245601	D-13-29 20CCC1	618350	3758	32° 16' 44.8'' / 109° 24' 50.6''	560	560	U	U		30-Jan-07	349.9	3408.1	V		
321644109242901	D-13-29 20CDD	618356	3751	32° 16' 45'' / 109° 24' 28.1''			W	I		30-Jan-07	327.4	3423.6	V		
321656109233601	D-13-29 21CAC	621314	3719	32° 16' 57.5'' / 109° 23' 37.6''	180	180	U	U		06-Feb-07	146.5	3572.5	V		
321704109235601	D-13-29 21CBB	621326	3721	32° 17' 3.8'' / 109° 23' 56.8''	175	175	U	U		06-Feb-07	148.2	3572.8	V		
321656109233901	D-13-29 21CBD	621315	3721	32° 16' 57.5'' / 109° 23' 41.3''	180	180	U	U		06-Feb-07	148.5	3572.5	V		
321651109235501	D-13-29 21CCB	621318	3735	32° 16' 51.5'' / 109° 23' 56.4''			U	U		31-Jan-07	158.4	3576.6	V		
321644109235501	D-13-29 21CCC	621323	3737	32° 16' 44.2'' / 109° 23' 56.2''	854	854	U	U		06-Feb-07	299.9	3437.1	V		
321708109230701	D-13-29 21DAB		3699	32° 17' 8.5'' / 109° 23' 6.3''			U	U		05-Feb-07	133.3	3565.7	V		
321656109230301	D-13-29 21DAC1	621325	3708	32° 16' 56.9'' / 109° 23' 4.4''	185	185	U	U		06-Feb-07	137.2	3570.8	V		
321656109230601	D-13-29 21DAC2		3710	32° 16' 57'' / 109° 23' 8.3''	190	190	U	U		06-Feb-07	138	3572	V		
321656109230001	D-13-29 21DAD1		3707	32° 16' 56.9'' / 109° 23' 0.3''			U	U		06-Feb-07	135.5	3571.5	V		
321656109225701	D-13-29 21DAD2	621325	3705	32° 16' 56.8'' / 109° 22' 56.7''	185	185	U	U		06-Feb-07	134.3	3570.7	V		
321656109230901	D-13-29 21DBD1	621316	3711	32° 16' 57'' / 109° 23' 11.8''	190	190	U	U		06-Feb-07	139.1	3571.9	V		
321656109231501	D-13-29 21DBD2	621317	3712	32° 16' 57'' / 109° 23' 15.7''	189	189	U	U		06-Feb-07	139.9	3572.1	V		
321712109225301	D-13-29 22BCC	508293	3694	32° 17' 12.9'' / 109° 22' 54.3''			U	U		05-Feb-07	125.2	3568.8	V		
321700109225201	D-13-29 22CBC	615928	3700	32° 17' 0.2'' / 109° 22' 54.3''	707	707	W	I		05-Feb-07	239	3461	V		
321654109225301	D-13-29 22CCB1	625859	3705	32° 16' 55.3'' / 109° 22' 54.4''			U	U		05-Feb-07	133.4	3571.6	V		
321649109225301	D-13-29 22CCB2	625860	3708	32° 16' 51'' / 109° 22' 54.4''			U	U		05-Feb-07	136.3	3571.7	V		
321646109225301	D-13-29 22CCC1	615930	3715	32° 16' 44.2'' / 109° 22' 53.2''	1104	1104	W	I		06-Feb-07	256.9	3458.1	V		
321647109225301	D-13-29 22CCC2		3710	32° 16' 47.6'' / 109° 22' 54.4''			U	U		05-Feb-07	138.5	3571.5	V		
321644109225101	D-13-29 22CCC3		3715	32° 16' 43.6'' / 109° 22' 52.3''			U	U		06-Feb-07	142	3573	V		
321644109225001	D-13-29 22CCC4		3715	32° 16' 43.6'' / 109° 22' 48.7''			U	U		06-Feb-07	141.1	3573.9	V		
321702109215401	D-13-29 22DAD	625867	3677	32° 17' 3.5'' / 109° 21' 53.2''			W	I		07-Feb-07	124.2	3552.8	V		
321704109222301	D-13-29 22DBB1	625861	3692	32° 17' 5.9'' / 109° 22' 22.4''	800	800	W	I		07-Feb-07	127.6	3564.4	V		
321707109222301	D-13-29 22DBB2	625863	3689	32° 17' 9.4'' / 109° 22' 22.2''			W	I		07-Feb-07	125.5	3563.5	V		
321643109222301	D-13-29 22DCC	625862	3711	32° 16' 44.3'' / 109° 22' 23''			W	I		07-Feb-07	138.8	3572.2	V		
321644109221401	D-13-29 22DCD	625866	3704	32° 16' 43.8'' / 109° 22' 15''			W	I		07-Feb-07	135.9	3568.1	V		
321734109212001	D-13-29 23ABB1	612871	3641	32° 17' 33.5'' / 109° 21' 21.3''	179	179	W	I		07-Feb-07	97.8	3543.2	V		
321731109211901	D-13-29 23ABB2	612872	3642	32° 17' 30.5'' / 109° 21' 21.3''	185	185	W	I		07-Feb-07	100	3542	V		
321729109212001	D-13-29 23ABC1	612869	3644	32° 17' 27.5'' / 109° 21' 21.4''	175	175	W	I		07-Feb-07	101.7	3542.3	V		
321726109212001	D-13-29 23ABC2	612870	3645	32° 17' 24.3'' / 109° 21' 21.4''	172	172	W	I		07-Feb-07	103.9	3541.1	V		
321733109212401	D-13-29 23BAA	615935	3642	32° 17' 32.7'' / 109° 21' 23.9''	197	197	W	I		07-Feb-07	103.9	3538.1	V		
321707109212201	D-13-29 23CAA1	612855	3658	32° 17' 10.4'' / 109° 21' 22.4''	175	175	W	I		07-Feb-07	113	3545	V		
321703109212301	D-13-29 23CAA2	612854	3659	32° 17' 3'' / 109° 21' 23''	150	150	W	I		07-Feb-07	113.4	3545.6	V		
321707109213201	D-13-29 23CAB	612856	3664	32° 17' 7'' / 109° 21' 32''	150	150	W	I		07-Feb-07	114.7	3549.3	V		
321707109213901	D-13-29 23CBA	612857	3666	32° 17' 7'' / 109° 21' 39''	150	150	W	I		07-Feb-07	116.9	3549.1	V		
321707109214601	D-13-29 23CBB	612858	3669	32° 17' 7'' / 109° 21' 46''	175	175	U	U		07-Feb-07	119.3	3549.7	V		
321644109211001	D-13-29 23DCD	612862	3675	32° 16' 44.1'' / 109° 21' 8.6''	155	155	W	I		07-Feb-07	130	3545	V		
321644109210201	D-13-29 23DDC2		3672	32° 16' 44.2'' / 109° 20' 58.8''			W	I		07-Feb-07	128.4	3543.6	V		
321644109205901	D-13-29 23DDD1	612861	3671	32° 16' 44.3'' / 109° 20' 55.3''	165	165	W	I		07-Feb-07	127	3544	V		
321644109205301	D-13-29 23DDD2	612860	3670	32° 16' 44.3'' / 109° 20' 51.7''	160	160	W	I		07-Feb-07	128	3542	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321730109200101	D-13-29 24AAB	512105	3615	32° 17' 31.1'' / 109° 20' 2.3''	190	190	W	I		08-Feb-07	89	3526	V		
321728109195001	D-13-29 24AAD		3615	32° 17' 28.1'' / 109° 19' 49.4''			U	U		08-Feb-07	92.9	3522.1	V		
321732109200601	D-13-29 24ABA1	512104	3615	32° 17' 32.4'' / 109° 20' 5.7''	167	167	W	I		08-Feb-07	85.3	3529.7	V		
321731109200501	D-13-29 24ABA2		3615	32° 17' 31.5'' / 109° 20' 3.8''			W	I		08-Feb-07	86.7	3528.3	V		
321707109203201	D-13-29 24CAB	612867	3642	32° 17' 7'' / 109° 20' 32''	185	185	W	I		08-Feb-07	104.9	3537.1	V		
321707109203901	D-13-29 24CBA1	612868	3644	32° 17' 9.1'' / 109° 20' 39.5''	162	162	W	I		08-Feb-07	105	3539	V		
321708109204101	D-13-29 24CBA2	612880	3644	32° 17' 9.7'' / 109° 20' 41.8''	158	158	W	I		08-Feb-07	107.6	3536.4	V		
321652109202801	D-13-29 24CDB	612866	3652	32° 16' 54'' / 109° 20' 29.3''	195	195	W	I		08-Feb-07	112.6	3539.4	V		
321645109202801	D-13-29 24CDD	612865	3662	32° 16' 45.8'' / 109° 20' 29.5''	195	195	W	I		08-Feb-07	119.8	3542.2	V		
321647109202101	D-13-29 24DCC1	621309	3655	32° 16' 50.5'' / 109° 20' 20''	960	960	W	H		08-Feb-07	124.2	3530.8	V		
321648109202001	D-13-29 24DCC2	621310	3655	32° 16' 46.8'' / 109° 20' 19.6''	964	964	U	U	Annually	08-Feb-07	123.6	3531.4	V		
321644109200501	D-13-29 24DDC	510368	3652	32° 16' 44'' / 109° 20' 4.9''	185	185	U	U		08-Feb-07	112.9	3539.1	V		
321552109205201	D-13-29 25CCC1	621312	3722	32° 15' 51.2'' / 109° 20' 50.6''	863	863	W	I	none	08-Feb-07	161	3561	V		
321552109205101	D-13-29 25CCC2		3722	32° 15' 52.4'' / 109° 20' 51''			W	I	none	08-Feb-07	186.4	3535.6	V		
321552109203301	D-13-29 25CDC		3712	32° 15' 51.2'' / 109° 20' 36.4''	795	795	W	I		08-Feb-07	166.7	3545.3	V		
321551109202301	D-13-29 25CDD2	512102	3709	32° 15' 52'' / 109° 20' 21.8''	180	180	W	I		08-Feb-07	151.4	3557.6	V		
321615109202001	D-13-29 25DBB	512103	3683	32° 16' 15.9'' / 109° 20' 20.6''	180	180	W	I		08-Feb-07	129.2	3553.8	V		
321638109222301	D-13-29 27ABB	625853	3715	32° 16' 36.6'' / 109° 22' 23.6''			W	I		07-Feb-07	243.1	3471.9	V		
321633109222201	D-13-29 27ABC	625854	3719	32° 16' 30.8'' / 109° 22' 23.6''	1900	1900	W	I		07-Feb-07	146.1	3572.9	V		
321627109222401	D-13-29 27ACB	625852	3721	32° 16' 26.7'' / 109° 22' 23.9''	110	110	W	I		07-Feb-07	150.8	3570.2	V		
321617109222301	D-13-29 27ACC2		3731	32° 16' 19'' / 109° 22' 23.4''			W	I		07-Feb-07	277.5	3453.5	V		
321617109220601	D-13-29 27ADC	625846	3725	32° 16' 17.4'' / 109° 22' 8.2''			U	U		07-Feb-07	149.6	3575.4	V		
321642109223201	D-13-29 27BAB	621324	3719	32° 16' 42.1'' / 109° 22' 37.8''	195	195	U	U		06-Feb-07	145.2	3573.8	V		
321559109222301	D-13-29 27DBC	625849	3742	32° 16' 4.8'' / 109° 22' 23.3''	700	700	W	I		07-Feb-07	269.8	3472.2	V		
321551109221401	D-13-29 27DCC	625850	3752	32° 15' 53'' / 109° 22' 21.8''	608	608	W	I		07-Feb-07	278.3	3473.7	V		
321551109220701	D-13-29 27DDC	625851	3748	32° 15' 52'' / 109° 22' 7.4''	1200	1200	W	I		07-Feb-07	265.7	3482.3	V		
321618109232401	D-13-29 28ACC		3748	32° 16' 18.2'' / 109° 23' 19.3''	540	540	U	U		06-Feb-07	291.9	3456.1	V		
321637109235401	D-13-29 28BBB		3738	32° 16' 43.3'' / 109° 23' 55.7''	660	660	U	U	Annually	06-Feb-07	162.4	3575.6	V		
321618109235401	D-13-29 28BCC2		3760	32° 16' 19.3'' / 109° 23' 54.8''			U	I		06-Feb-07	318.8	3441.2	V		
321947109162001	D-13-30 03CAA	622811	3555	32° 19' 47.5'' / 109° 16' 20.2''	1075	1075	W	S		06-Feb-07	53.4	3501.6	V		
321857109170101	D-13-30 09ACD2		3566	32° 18' 58.3'' / 109° 16' 59.6''	92	92	U	U	Annually	06-Feb-07	49	3517	V		
321830109165001	D-13-30 15BBB	622807	3569	32° 18' 29.1'' / 109° 16' 41.6''	975	975	W	S	Annually	06-Feb-07	63.1	3505.9	V		
321802109154601	D-13-30 15DAA	622806	3579	32° 18' 2.2'' / 109° 15' 42.3''	1100	1100	W	S		06-Feb-07	112.9	3466.1	V		
321829109184401	D-13-30 17BBB	615936	3570	32° 18' 28.9'' / 109° 18' 45.1''	93	93	W	S		06-Feb-07	74.8	3495.2	V		
321657109160901	D-13-30 22DBC1	620800	3589	32° 16' 58.3'' / 109° 16' 5.5''	113	113	W	I		06-Feb-07	70	3519	V		
321657109160101	D-13-30 22DBD		3588	32° 16' 58.2'' / 109° 15' 57.6''	156	156	W	H		06-Feb-07	68.7	3519.3	V		
321658109160101	D-13-30 22DCA		3589	32° 16' 57.5'' / 109° 16' 0.6''			W	I		06-Feb-07	69.6	3519.4	V		
321647109160301	D-13-30 22DCD	620799	3594	32° 16' 45.8'' / 109° 16' 5.6''	118	118	W	I		06-Feb-07	74.8	3519.2	V		
321657109154801	D-13-30 22DDA	620804	3588	32° 16' 57.6'' / 109° 15' 48.2''	125	125	W	I		06-Feb-07	64.9	3523.1	V		
321731109140901	D-13-30 24BAA	624471	3594	32° 17' 31.6'' / 109° 14' 9.6''	142	142	U	U		06-Feb-07	56.7	3537.3	V		
321712109143101	D-13-30 24BCD	624469	3595	32° 17' 10.6'' / 109° 14' 25.2''	150	150	U	U		06-Feb-07	58.5	3536.5	V		
321648109142301	D-13-30 24CCD1	624464	3598	32° 16' 44'' / 109° 14' 26''	120	120	U	U	Annually	07-Feb-07	55.7	3542.3	V		
321706109140701	D-13-30 24DBB2	624461	3595	32° 17' 3.9'' / 109° 14' 1.8''	135	135	U	U		06-Feb-07	56	3539	V		
321658109135501	D-13-30 24DBD	624459	3597	32° 16' 57.7'' / 109° 13' 54.3''	136	136	U	U		06-Feb-07	55.4	3541.6	V		
321644109135501	D-13-30 24DCD	624458	3598	32° 16' 44.2'' / 109° 13' 54.2''	180	180	U	U		06-Feb-07	57	3541	V		
321551109141101	D-13-30 25CDD		3609	32° 15' 51.7'' / 109° 14' 11.9''			W	H		29-Jan-07	55.9	3553.1	V		
321604109135401	D-13-30 25DBD	610640	3609	32° 16' 4.6'' / 109° 13' 55.5''	120	120	W	H		30-Jan-07	53.7	3555.3	V		
321632109150701	D-13-30 26ABC1		3595	32° 16' 32'' / 109° 15' 7''			W	I		06-Feb-07	61.6	3533.4	V		
321526109155801	D-13-30 34ACD		3627	32° 15' 26.6'' / 109° 15' 58.2''			W	I		09-Feb-07	108	3519	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321529109162601	D-13-30 34BCD		3637	32° 15' 26.6'' / 109° 16' 27.7''	180	180	U	U		09-Feb-07			V	O	OBST @ 57 FT
321513109155601	D-13-30 34DAC	620792	3634	32° 15' 14.8'' / 109° 15' 56.8''	190	190	W	I		09-Feb-07	113.7	3520.3	V		
321512109155801	D-13-30 34DBD	620791	3635	32° 15' 12.7'' / 109° 15' 58''	185	185	W	I		09-Feb-07	115.3	3519.7	V		
321459109161301	D-13-30 34DCC	620790	3650	32° 14' 59.2'' / 109° 16' 12.2''	190	190	W	I		05-Feb-07	129.5	3520.5	V		
321459109161301	D-13-30 34DCC	620790	3650	32° 14' 59.2'' / 109° 16' 12.2''	190	190	W	I		05-Feb-07	129.5	3520.5	V		
321500109155701	D-13-30 34DDC	620798	3648	32° 14' 59.6'' / 109° 15' 55.4''	180	180	W	I		05-Feb-07	121	3527	V		
321459109154701	D-13-30 34DDD1	620797	3643	32° 14' 59.6'' / 109° 15' 47.2''	180	180	W	I		05-Feb-07	116.7	3526.3	S		
321459109154701	D-13-30 34DDD1	620797	3643	32° 14' 59.6'' / 109° 15' 47.2''	180	180	W	I		05-Feb-07	116.7	3526.3	S		
321459109154401	D-13-30 34DDD2	620796	3642	32° 14' 59.6'' / 109° 15' 47.5''	180	180	W	I		05-Feb-07	115.8	3526.2	S		
321513109154101	D-13-30 35CBC	620805	3631	32° 15' 13.4'' / 109° 15' 40.7''	185	185	U	U		09-Feb-07	107.1	3523.9	V		
321500109154001	D-13-30 35CCC		3639	32° 15' 0.4'' / 109° 15' 39.6''			W	H		09-Feb-07	111.7	3527.3	V		
321500109152501	D-13-30 35CDC	620794	3632	32° 15' 0'' / 109° 15' 27.5''	190	190	W	I		09-Feb-07	105.8	3526.2	V		
321500109151601	D-13-30 35CDD1		3631	32° 15' 0'' / 109° 15' 16.7''			W	I		09-Feb-07	102	3529	V		
321500109151301	D-13-30 35CDD2		3630	32° 15' 0.1'' / 109° 15' 12.5''			W	I		09-Feb-07	99.8	3530.2	V		
321524109134501	D-13-30 36ADD1		3615	32° 15' 24.6'' / 109° 13' 45.2''			W	I		29-Jan-07	53.8	3561.2	V		
321550109141801	D-13-30 36BAB	627868	3610	32° 15' 50.4'' / 109° 14' 18.3''			U	U		29-Jan-07	56.6	3553.4	V		
321525109143801	D-13-30 36BCC	627865	3615	32° 15' 25.8'' / 109° 14' 37''	200	200	U	U		29-Jan-07	68.4	3546.6	V		
321459109142401	D-13-30 36CDC	627879	3622	32° 15' 0'' / 109° 14' 19.8''	200	200	U	U		29-Jan-07	69.8	3552.2	V		
321523109135801	D-13-30 36DBA	627870	3615	32° 15' 23.9'' / 109° 13' 57''	165	165	U	U		29-Jan-07	56.1	3558.9	V		
321522109140801	D-13-30 36DBB	627869	3615	32° 15' 23'' / 109° 14' 8.9''			W	S		29-Jan-07	60.2	3554.8	V		
321511109133901	D-13-30 36DDA		3617	32° 15' 12'' / 109° 13' 38.7''	100	100	U	U		29-Jan-07	71.2	3545.8	V		
321503109133901	D-13-30 36DDD	627878	3618	32° 15' 4.2'' / 109° 13' 38.6''	100	100	U	U		29-Jan-07	61.7	3556.3	V		
321941109131201	D-13-31 06CAD2	622817	3622	32° 19' 40.5'' / 109° 13' 13.2''	600	600	W	S		06-Feb-07	98.4	3523.6	V		
321742109113601	D-13-31 17DDD	609789	3630	32° 17' 42.5'' / 109° 11' 35.9''	175	175	W	S		30-Jan-07	81.9	3548.1	V		
321809109125001	D-13-31 18ADD	622803	3593	32° 18' 8'' / 109° 12' 38.7''	86	86	U	U		06-Feb-07	51.9	3541.1	V		
321741109133101	D-13-31 18CCC1		3569	32° 17' 37.4'' / 109° 13' 37.7''			U	U		06-Feb-07	28.2	3540.8	V		
321739109133601	D-13-31 18CCC2		3569	32° 17' 37.2'' / 109° 13' 37.9''			W	H		06-Feb-07	27.1	3541.9	V	R	
321721109114101	D-13-31 20ADA	621284	3620	32° 17' 23.9'' / 109° 11' 36.5''	960	960	W	I		30-Jan-07	185.2	3434.8	V		
321726109120601	D-13-31 20BAD		3608	32° 17' 26.1'' / 109° 12' 6.8''			W	I		30-Jan-07	158.9	3449.1	V		
321726109120601	D-13-31 20BAD		3608	32° 17' 26.1'' / 109° 12' 6.8''			W	I		30-Jan-07	158.9	3449.1	V		
321709109113501	D-13-31 20DAA2		3615	32° 17' 9.3'' / 109° 11' 35.3''			W	I		30-Jan-07	189.7	3425.3	V		
321702109115501	D-13-31 20DBD		3610	32° 17' 1.6'' / 109° 11' 50.8''	640	640	W	S		30-Jan-07	169.6	3440.4	V	R	
321739109111201	D-13-31 21BAB	502659	3645	32° 17' 38.4'' / 109° 11' 15.4''	141	141	U	U		06-Feb-07	91.6	3553.4	V		
321649109112301	D-13-31 21CDC	620751	3625	32° 16' 48.7'' / 109° 11' 15.2''	580	580	W	H		06-Feb-07	191.1	3433.9	V		
321702109101801	D-13-31 22CAC2	615939	3678	32° 17' 1.6'' / 109° 10' 18.2''	200	200	W	S		07-Feb-07	113	3565	V		
321618109110501	D-13-31 28CAA		3635	32° 16' 18.2'' / 109° 11' 5''			W	I		06-Feb-07	203.7	3431.3	V		
321607109114101	D-13-31 29DDA	805565	3620	32° 16' 6.8'' / 109° 11' 35.7''	185	185	U	U	Annually	30-Jan-07	41.4	3578.6	V		
321607109133501	D-13-31 30CBC2	543203	3611	32° 16' 6.7'' / 109° 13' 34.4''	1035	1035	W	P		30-Jan-07	152.1	3458.9	V	R	
321607109133501	D-13-31 30CBC2	543203	3611	32° 16' 6.7'' / 109° 13' 34.4''	1035	1035	W	P		30-Jan-07	152.1	3458.9	V	R	
321545109124201	D-13-31 31AAA		3604	32° 15' 45.4'' / 109° 12' 41.7''			U	U		30-Jan-07	29	3575	V		
321538109130801	D-13-31 31ACB		3613	32° 15' 38'' / 109° 13' 7.8''			U	U		05-Feb-07	48.7	3564.3	V		
321550109132401	D-13-31 31BBA	629443	3612	32° 15' 48.9'' / 109° 13' 23.8''	152	152	W	F		30-Jan-07	51.7	3560.3	V		
321501109131201	D-13-31 31CDD	503018	3620	32° 15' 2.6'' / 109° 13' 11.3''	100	100	W	I		05-Feb-07	47.3	3572.7	V		
321525109130701	D-13-31 31DBB1	628301	3615	32° 15' 24.7'' / 109° 13' 7.2''	150	150	U	U		05-Feb-07	49.3	3565.7	V		
321510109130401	D-13-31 31DCB		3618	32° 15' 10.9'' / 109° 13' 3.4''			U	U		05-Feb-07	47	3571	V		
321554109103001	D-13-31 33AAA	624234	3657	32° 15' 55'' / 109° 10' 34.3''	799	799	U	U		05-Feb-07	219.1	3437.9	V	K	
321516109105101	D-13-31 33DAD		3660	32° 15' 22.2'' / 109° 10' 33.8''			U	U		06-Feb-07			V	O	
321518109103401	D-13-31 33DDA		3655	32° 15' 18.3'' / 109° 10' 34.1''			W	I		06-Feb-07	217.6	3437.4	V		
321541109100101	D-13-31 34BDA		3690	32° 15' 41.6'' / 109° 10' 2.5''	840	840	W	I		06-Feb-07			V	O	

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321535109101601	D-13-31 34BDC		3672	32° 15' 36.6'' / 109° 10' 17.1''			W	H		06-Feb-07	62.8	3609.2	V		
321513109100701	D-13-31 34CDA		3685	32° 15' 15.6'' / 109° 10' 2.5''	760	760	W	I		06-Feb-07	248	3437	V		
321410109292801	D-14-28 09ABC	648581	4115	32° 14' 9.4'' / 109° 29' 29.3''			W	S		29-Jan-07	29.4	4085.6	V		
321253109275501	D-14-28 14CBC	619332	4277	32° 12' 53.2'' / 109° 27' 53.9''	150	150	W	S		30-Jan-07	41.3	4235.7	V		
321253109275501	D-14-28 14CBC	619332	4277	32° 12' 53.2'' / 109° 27' 53.9''	150	150	W	S		30-Jan-07	41.3	4235.7	S		
321220109260601	D-14-28 24ADB2		4132	32° 12' 20.5'' / 109° 26' 6.1''			W	S		30-Jan-07	436.1	3695.9	V		
321423109234801	D-14-29 04CCC	807895	3884	32° 14' 21'' / 109° 23' 49.6''	670	670	U	U		30-Jan-07	415.9	3468.1	V		
321328109244101	D-14-29 08CCD	628557	3978	32° 13' 28.9'' / 109° 24' 38.2''	1325	1325	W	H		30-Jan-07	500.5	3477.5	V		
321356109225101	D-14-29 09ADD		3916	32° 13' 55.2'' / 109° 22' 52.4''	1100	1100	U	U		30-Jan-07	419.4	3496.6	V		
321356109234401	D-14-29 09BCC		3919	32° 13' 54.4'' / 109° 23' 50.4''	765	765	U	U		30-Jan-07	447.3	3471.7	V		
321332109234701	D-14-29 09CCC	620664	3951	32° 13' 32'' / 109° 23' 47''			U	U		30-Jan-07			V	D	
321100109205801	D-14-29 26DDB2		4173	32° 11' 57.9'' / 109° 20' 59''			U	U		06-Feb-07			V	D	
321100109205801	D-14-29 26DDB2		4173	32° 11' 57.9'' / 109° 20' 59''			U	U		06-Feb-07			V	D	
321005109195101	D-14-29 36DDA	642454	4206	32° 10' 4.8'' / 109° 19' 50.5''			W	S		06-Feb-07	207.1	3998.9	V		
321452109161301	D-14-30 03BAD	628994	3660	32° 14' 52.4'' / 109° 16' 12.9''			U	U		12-Mar-07	133.7	3526.3	V		
321407109161101	D-14-30 03DCC	628992	3697	32° 14' 7'' / 109° 16' 10.8''			W	H		07-Feb-07	60.3	3636.7	V		
321315109194401	D-14-30 07CCC	609823	3871	32° 13' 15'' / 109° 19' 44''	300	300	W	S		06-Feb-07			V	O	
321354109135101	D-14-30 12ADB1		3645	32° 13' 54'' / 109° 13' 46''	1040	1040	U	U		05-Feb-07	86.3	3558.7	V		
321354109135001	D-14-30 12ADB2		3649	32° 13' 52'' / 109° 13' 46''	915	915	W	N		05-Feb-07	40	3609	V		
321502109093301	D-14-31 03AAA		3711	32° 15' 3.3'' / 109° 9' 32.1''			W	I		14-Feb-07	271.5	3439.5	V		
321423109100201	D-14-31 03CDA	617460	3668	32° 14' 23'' / 109° 10' 2''	111	111	W	I		08-Feb-07	50.6	3617.4	S		
321412109094701	D-14-31 03DCD	611803	3675	32° 14' 12'' / 109° 9' 47''	100	100	W	I		08-Feb-07	49.2	3625.8	V		
321503109104701	D-14-31 04AAB2	612276	3645	32° 15' 3.7'' / 109° 10' 47.3''	120	120	W	I		06-Feb-07	40.4	3604.6	V		
321445109103401	D-14-31 04ADD	541143	3652	32° 14' 41.4'' / 109° 13' 33.3''	760	600	W	I		08-Feb-07	210.1	3441.9	V		
321445109123601	D-14-31 05BCB		3622	32° 14' 46.1'' / 109° 12' 37.1''			U	U		05-Feb-07	39	3583	S		
321402109133501	D-14-31 07BBB	630095	3644	32° 14' 2'' / 109° 13' 35''	165	165	U	U		05-Feb-07	81.4	3562.6	V		
321316109123901	D-14-31 07DDD		3657	32° 13' 15.9'' / 109° 12' 43.1''	200	200	W	S		30-Jan-07	88.1	3568.9	V		
321355109120501	D-14-31 08ABC1		3632	32° 13' 59.8'' / 109° 12' 5.9''	800	800	W	H	Annually	30-Jan-07	50.4	3581.6	V		
321350109103301	D-14-31 09ADA1		3651	32° 13' 50'' / 109° 10' 33''	100	100	U	U		13-Mar-07	32.4	3618.6	V		
321353109105301	D-14-31 09ADA2		3652	32° 13' 53'' / 109° 10' 33''			W	H		13-Mar-07	146.3	3505.7	V		
321350109103501	D-14-31 09ADD1	514657	3643	32° 13' 50'' / 109° 10' 35''	800	800	U	U		13-Mar-07	114.6	3528.4	V		
321349109103701	D-14-31 09ADD2		3638	32° 13' 49'' / 109° 10' 37''	100	100	U	U		13-Mar-07	24.2	3613.8	V		
321647109103801	D-14-31 09ADD3		3637	32° 13' 47'' / 109° 10' 38''	100	100	U	U		13-Mar-07	21.3	3615.7	V		
321407109093701	D-14-31 10AAA	611805	3688	32° 14' 10'' / 109° 9' 31''	750	750	W	I		08-Feb-07	236.8	3451.2	V		
321407109095001	D-14-31 10ABA1	611804	3674	32° 14' 10'' / 109° 9' 47''	874	874	W	I		08-Feb-07	227.8	3446.2	V		
321405109101901	D-14-31 10BBA		3658	32° 14' 8'' / 109° 10' 17''	90	90	W	I		15-Mar-07	36.1	3621.9	V		
321402109102101	D-14-31 10BBD		3658	32° 14' 2'' / 109° 10' 17''	680	680	W	I		15-Mar-07	37.8	3620.2	V		
321342109093101	D-14-31 10DAA2	611807	3678	32° 13' 42'' / 109° 9' 31''	100	100	W	U		08-Feb-07	41.37	3636.63	S		
321344109094601	D-14-31 10DBA2	618477	3670	32° 13' 44'' / 109° 9' 46''	90	90	W	I		08-Feb-07	38.1	3631.9	S		
321342109083401	D-14-31 11DAA	628905	3729	32° 13' 42'' / 109° 8' 27''			W	I		08-Feb-07	275.8	3453.2	V		
321317109084401	D-14-31 14ABA2	628903	3692	32° 13' 17.2'' / 109° 8' 43.3''	103	103	U	U		13-Mar-07	53.7	3638.3	V		
321315109090201	D-14-31 14BAA3	621598	3685	32° 13' 15'' / 109° 8' 59''	75	75	U	U		08-Feb-07	43.11	3641.89	S		
321248109090401	D-14-31 14CAA	612632	3676	32° 12' 48'' / 109° 8' 59''	75	75	U	U		08-Feb-07	30.79	3645.21	S		
321247109082801	D-14-31 14DAA2		3688	32° 12' 47.2'' / 109° 8' 28.3''			W	U		13-Mar-07	121.3	3566.7	V		
321250109085501	D-14-31 14DBB		3680	32° 12' 50'' / 109° 8' 55''			U	U		08-Feb-07	34.34	3645.66	S		
321307109103001	D-14-31 15BBC1	605380	3666	32° 13' 4'' / 109° 10' 30''	822	822	U	U		15-Mar-07	41.12	3624.88	S		
321306109102901	D-14-31 15BBC2	605381	3668	32° 13' 6'' / 109° 10' 29''	921	921	W	I		15-Mar-07	169.6	3498.4	V		
321228109100501	D-14-31 15CDD		3685	32° 12' 25.5'' / 109° 10' 2.8''	800	800	U	U		08-Feb-07	163.6	3521.4	V		
321227109110001	D-14-31 16DCC	615986	3679	32° 12' 27'' / 109° 10' 55''	2000	2000	W	S		30-Jan-07	140.5	3538.5	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321302109123601	D-14-31 17BCB		3666	32° 13' 2.2'' / 109° 12' 35.5''			U	U		30-Jan-07	65.2	3600.8	V		
321210109132001	D-14-31 19BAC	615982	3713	32° 12' 10.4'' / 109° 13' 20.6''	1140	1140	W	S	Annually	30-Jan-07	75.74	3637.26	S		
321212109123101	D-14-31 20BBC1	607133	3699	32° 12' 10.2'' / 109° 12' 35.1''	200	200	U	U		05-Feb-07	93.1	3605.9	V		
321159109113101	D-14-31 21BCC	628995	3694	32° 11' 59'' / 109° 11' 31''	711	711	U	U		06-Feb-07	131.6	3562.4	V		
321158109110901	D-14-31 21BDD	628996	3695	32° 11' 58'' / 109° 11' 9''			W	I		06-Feb-07	138.9	3556.1	V		
321200109094501	D-14-31 22ADC	612633	3693	32° 11' 58'' / 109° 9' 44.4''	800	800	W	I	Annually	08-Feb-07	181.5	3511.5	V	K	
321132109095901	D-14-31 22DCC1		3709	32° 11' 32'' / 109° 9' 52''			U	U		30-Jan-07			V	D	DRY AT 150.8'
321135109095801	D-14-31 22DCC2		3709	32° 11' 32'' / 109° 9' 58''			U	U		30-Jan-07			V	O	
321132109094201	D-14-31 22DDC1	612630	3708	32° 11' 32'' / 109° 9' 42''	900	900	U	U		30-Jan-07	143.7	3564.3	V		
321132109093801	D-14-31 22DDC2		3709	32° 11' 32.4'' / 109° 9' 37.6''			W	I		13-Mar-07	242.6	3466.4	V	S	
321134109092701	D-14-31 23CCC	625377	3703	32° 11' 33.9'' / 109° 9' 27.3''	900	900	W	I		06-Feb-07	181.4	3521.6	V		
321136109091201	D-14-31 23CCD	625376	3703	32° 11' 32.3'' / 109° 9' 12.6''	744	744	U	U		30-Jan-07	143.5	3559.5	V		
321224109082401	D-14-31 24BBB	626399	3681	32° 12' 24'' / 109° 8' 24''			W	S		06-Feb-07	34.73	3646.27	S		
321106109075301	D-14-31 25DBB	624187	3725	32° 11' 5.4'' / 109° 7' 54.4''			U	U		06-Feb-07	65.9	3659.1	V		
321041109085501	D-14-31 26DCC		3746	32° 10' 41.2'' / 109° 8' 54.9''			W	I		06-Feb-07	187.9	3558.1	V		
321041109102801	D-14-31 27CCC	628530	3753	32° 10' 41'' / 109° 10' 28''	800	800	U	U		30-Jan-07	119.5	3633.5	S		
321041109095601	D-14-31 27DCC		3753	32° 10' 40.3'' / 109° 9' 57.2''			U	U		06-Feb-07	96.5	3656.5	V		
321040109093701	D-14-31 27DDC	86715	3752	32° 10' 40.2'' / 109° 9' 34.7''	120	120	U	U		06-Feb-07	89.2	3662.8	V		
321105109123401	D-14-31 29BCC	607136	3756	32° 11' 5'' / 109° 12' 34''	200	200	U	U		06-Feb-07	136.5	3619.5	V		
321016109095601	D-14-31 34ACC		3774	32° 10' 14.2'' / 109° 9' 58.6''	1000	1000	W	I	Annually	30-Jan-07	196.3	3577.7	V		
321016109094501	D-14-31 35BCC		3772	32° 10' 12.8'' / 109° 9' 27.5''	800	800	W	I	Annually	30-Jan-07	221.3	3550.7	V		
320949109092701	D-14-31 35CCC	616713	3793	32° 9' 47.6'' / 109° 9' 26.9''	900	900	U	U		30-Jan-07	162.5	3630.5	V		
320949109085201	D-14-31 35DCC	616716	3789	32° 9' 47.6'' / 109° 8' 56.8''	1000	1000	W	I		31-Jan-07	225.8	3563.2	V		
320949109082401	D-14-31 36CCC	615988	3786	32° 9' 48.1'' / 109° 8' 24.9''	1476	1476	W	I		31-Jan-07	247.8	3538.2	V		
320949109073701	D-14-31 36DDC	615991	3793	32° 9' 48.5'' / 109° 7' 37.6''	1004	1004	W	I		08-Feb-07	227.2	3565.8	V		
321341109025601	D-14-32 11CAB		4079	32° 13' 42.3'' / 109° 2' 56.1''			W	S		09-Feb-07	164.7	3914.3	V		
321254109050101	D-14-32 16BDC1		3873	32° 12' 54'' / 109° 5' 1''	250	250	U	U		07-Feb-07				Z	
321253109050101	D-14-32 16BDC2		3864	32° 12' 53'' / 109° 5' 1''	251	251	U	U		07-Feb-07				Z	
321253109050301	D-14-32 16BDC3		3875	32° 12' 53'' / 109° 5' 3''	470	470	U	U		07-Feb-07				Z	
321254109050201	D-14-32 16CAB	611575	3870	32° 12' 54'' / 109° 5' 2''	465	465	W	N		07-Feb-07			V	Z	
321212109063901	D-14-32 19ACA		3746	32° 12' 12'' / 109° 6' 39''			W	H		30-Jan-07				Z	
321210109062501	D-14-32 19ADA	626391	3762	32° 12' 12.7'' / 109° 6' 23.3''			W	I		30-Jan-07	285.7	3476.3	V	K	
321222109065901	D-14-32 19BAA	626392	3739	32° 12' 25.4'' / 109° 6' 56.6''	750	750	W	I		30-Jan-07	262.3	3476.7	V		
321142109063601	D-14-32 19DDB	626394	3740	32° 11' 45.2'' / 109° 6' 38.3''	595	595	U	U		30-Jan-07	104.8	3635.2	V	K	
321158109060301	D-14-32 20CAB2		3766	32° 11' 59.2'' / 109° 6' 5.3''			W	H		30-Jan-07			V	Z	
321159109061301	D-14-32 20CBA	615992	3760	32° 12' 1.1'' / 109° 6' 17.4''	720	720	W	H		07-Feb-07				Z	
321157109054701	D-14-32 20DBA	603785	3791	32° 11' 59.2'' / 109° 5' 36.1''	641	641	W	I		30-Jan-07	306.6	3484.4	V		
321120109062401	D-14-32 30AAD	626400	3739	32° 11' 25.5'' / 109° 6' 23.4''			W	I		30-Jan-07			V	O	
321116109064101	D-14-32 30ACA1		3727	32° 11' 16'' / 109° 6' 41''			Z	Z		14-Mar-07	92.78	3634.22	S		
321053109071801	D-14-32 30CCB	613339	3730	32° 10' 53.6'' / 109° 7' 18.3''	741	741	W	I	Annually	08-Feb-07	212.1	3517.9	V		
321014109072201	D-14-32 31BCC	629639	3765	32° 10' 15'' / 109° 7' 23.1''	800	800	W	I		08-Feb-07	221.2	3543.8	V		
320950109071901	D-14-32 31CCC	624191	3789	32° 9' 47.9'' / 109° 7' 16.2''	1046	1046	W	I		08-Feb-07			V	O	
320950109064901	D-14-32 31DCC	611299	3782	32° 9' 47.9'' / 109° 6' 49.5''	1040	1040	W	I		08-Feb-07			V	O	
320948109061201	D-14-32 32CCD	616051	3759	32° 9' 49'' / 109° 6' 7.5''	800	800	U	U		14-Mar-07	79.9	3679.1	V		
321023109041401	D-14-32 34BCB1		3822	32° 10' 23'' / 109° 4' 14''			U	U		07-Feb-07				Z	
321022109041301	D-14-32 34BCB2		3822	32° 10' 22.2'' / 109° 4' 13.2''			W	S		07-Feb-07	120.8	3701.2	V		
320852109280501	D-15-28 10ADB	642449	5045	32° 8' 51.4'' / 109° 28' 4.4''			W	S		30-Jan-07	21.8	5023.2	V		
320907109214401	D-15-29 02CCC	616046	4478	32° 9' 7.1'' / 109° 21' 43.9''			W	S		06-Feb-07	55	4423	V		
320922109224801	D-15-29 03CBC	616044	4415	32° 9' 20.8'' / 109° 22' 47''	60	60	W	S		06-Feb-07	17.1	4397.9	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320951109230401	D-15-29 04AAC	642452	4340	32° 9' 49.4'' / 109° 23' 3.9''			W	S		30-Jan-07	46.9	4293.1	V		
320947109253401	D-15-29 06BAC	642448	4568	32° 9' 48.2'' / 109° 25' 34''			W	S		30-Jan-07	47.8	4520.2	V		
320823109221001	D-15-29 10DCA	616045	4598	32° 8' 23'' / 109° 22' 10''	40	40	W	S		06-Feb-07	22.1	4575.9	V		
320755109220901	D-15-29 15AC UNSURV	642724	4678	32° 7' 54.8'' / 109° 22' 9.3''			W	H		06-Feb-07	21.6	4656.4	S		
320822109191401	D-15-30 07DBB	642451	4870	32° 8' 20.8'' / 109° 19' 13.9''			W	S		06-Feb-07	97.9	4772.1	V		
320737109174401	D-15-30 17ADD UNSURV	616047	4519	32° 7' 38.2'' / 109° 17' 43.4''	120	120	W	S		06-Feb-07	95.7	4423.3	V		
320947109075701	D-15-31 01BAA		3793	32° 9' 45.7'' / 109° 7' 56.8''			U	U		30-Jan-07	94.5	3698.5	V		
320924109082301	D-15-31 01BCC	616717	3809	32° 9' 21.1'' / 109° 8' 25.2''	810	810	W	I		06-Feb-07	239.2	3569.8	V		
320805109090001	D-15-31 11CDD	605287	3907	32° 8' 1.5'' / 109° 9' 1.1''	700	700	U	U		06-Feb-07	229.6	3677.4	V		
320805109085001	D-15-31 11DCC	605286	3904	32° 8' 1'' / 109° 8' 53''	750	750	U	U	Annually	06-Feb-07	226.7	3677.3	V		
320811109082601	D-15-31 11DDA	87332	3879	32° 8' 11'' / 109° 8' 26''	650	650	W	I		06-Feb-07	238.7	3640.3	V		
320737109090301	D-15-31 14BDC	616710	3935	32° 7' 37.3'' / 109° 9' 10.1''	1003	1003	U	U		06-Feb-07	256.8	3678.2	V		
320709109090701	D-15-31 14CDC		3968	32° 7' 9'' / 109° 9' 7''			U	U		07-Feb-07	289.2	3678.8	V		
320638109130001	D-15-31 19DBB	616048	4125	32° 6' 40.9'' / 109° 12' 57.9''	400	400	W	S		07-Feb-07	398.2	3726.8	V		
320923109062101	D-15-32 05BCC		3787	32° 9' 22.7'' / 109° 6' 21.3''			U	U		14-Mar-07	178.9	3608.1	V	K	
320922109060501	D-15-32 05BDC		3772	32° 9' 22.9'' / 109° 6' 2.1''			W	S		07-Feb-07	226.3	3545.7	V		
320923109065101	D-15-32 06ACC	611298	3798	32° 9' 21.1'' / 109° 6' 52.1''	1145	1145	W	I		07-Feb-07	223.2	3574.8	V		
320923109072101	D-15-32 06BCC	611300	3815	32° 9' 21.3'' / 109° 7' 21.5''	1145	1145	W	I		07-Feb-07	229.7	3585.3	V		
320856109065301	D-15-32 06DCC	616712	3816	32° 8' 55.8'' / 109° 6' 51.4''	915	915	W	I		07-Feb-07				O	
320434109040001	D-15-32 34CDC	608753	3899	32° 4' 34'' / 109° 3' 57.2''	400	400	W	S		07-Feb-07	155	3744	V		
320433109031701	D-15-32 34DDD	641578	3855	32° 4' 32.3'' / 109° 3' 14.5''	280	280	W	S		07-Feb-07	48.8	3806.2	V		
320003109134201	D-16-30 25DDD	623425	4871	32° 0' 3'' / 109° 13' 17''	150	150	W	S		07-Feb-07	123.4	4747.6	V		
320431109092101	D-16-31 03AAA	616117	4150	32° 4' 31'' / 109° 9' 21''	410	410	U	U		07-Feb-07			V	D	
320316109103801	D-16-31 09ACB	616118	4307	32° 3' 15.9'' / 109° 10' 38.4''			U	U	Annually	07-Feb-07	575.5	3731.5	V		
320020109103101	D-16-31 28DBB	647005	4509	32° 0' 24'' / 109° 10' 31''	360	360	W	S		07-Feb-07	276.32	4232.68	S		
320027109113901	D-16-31 29ACC	647868	4673	32° 0' 26.8'' / 109° 11' 40.2''	189	189	W	S		07-Feb-07	148.9	4524.1	V		
320013109124701	D-16-31 30CDA	649090	4780	32° 0' 12.9'' / 109° 12' 47.9''			W	S		07-Feb-07	74.22	4705.78	S		
320016109122601	D-16-31 30DBD		4768	32° 0' 15.8'' / 109° 12' 25.5''			W	U		07-Feb-07	80.81	4687.19	S		
320242109041001	D-16-32 10 CCB2		3982	32° 2' 41.8'' / 109° 4' 9.8''			U	U		08-Feb-07	114.6	3867.4	V		
320248109100401	D-16-32 10CCB1	616122	3985	32° 2' 44.3'' / 109° 4' 10''	400	400	W	I		08-Feb-07	138.4	3846.6	V		
320235109035601	D-16-32 10CDC	616121	3975	32° 2' 33.6'' / 109° 3' 55.4''	480	480	U	U		08-Feb-07	121.8	3853.2	V		
320123109053901	D-16-32 20ACD	631760	4097	32° 1' 22'' / 109° 5' 35.2''	600	600	W	S		14-Mar-07	216.6	3880.4	V		
320050109061201	D-16-32 20CCC	630369	4150	32° 0' 49.2'' / 109° 6' 13.3''	840	840	U	U		08-Feb-07	256.5	3893.5	V		
320102109044801	D-16-32 21CAD	602853	4065	32° 1' 3.1'' / 109° 4' 48.8''	550	550	W	I		08-Feb-07	182.1	3882.9	V		
320051109050601	D-16-32 21CCB		4088	32° 0' 55.2'' / 109° 5' 11.8''	340	340	U	U	Annually	08-Feb-07	199.8	3888.2	V		
320012109035201	D-16-32 27CDB	610892	4051	32° 0' 9.5'' / 109° 3' 55.1''	300	300	W	I		14-Mar-07	155.8	3895.2	V		
320006109032101	D-16-32 27DAC	610891	4037	32° 0' 10.1'' / 109° 3' 24.7''	300	300	W	I		14-Mar-07	137.9	3899.1	V		
320028109044001	D-16-32 28ACC	624393	4074	32° 0' 26.4'' / 109° 4' 41.2''			W	I		13-Mar-07	183.4	3890.6	V		
315927109060001	D-16-32 32BCD	616126	4176	31° 59' 30.6'' / 109° 5' 59.2''	840	840	U	U		13-Mar-07	258.5	3917.5	V		
315900109035301	D-16-32 34CCC	623414	4119	31° 59' 4.6'' / 109° 4' 9.4''	350	350	U	U		13-Mar-07	207.9	3911.1	V		
315904109035601	D-16-32 34CCD	623417	4109	31° 59' 4.6'' / 109° 3' 55.6''	570	570	U	U		13-Mar-07	197.8	3911.2	V		
315853109032401	D-17-32 03AAC1	623439	4095	31° 58' 53.6'' / 109° 3' 24.4''	350	350	T	U		13-Mar-07	178.4	3916.6	V		
315825109032501	D-17-32 03DAC		4119	31° 58' 25.9'' / 109° 3' 24.7''			W	I		13-Mar-07	188.1	3930.9	V		
315515109040901	D-17-32 27BCB	629454	4297	31° 55' 14.7'' / 109° 4' 9.4''			W	H		08-Feb-07	331.4	3965.6	V		
315237109034201	D-18-32 10BDA	620637	4182	31° 52' 36.6'' / 109° 3' 41.5''	350	350	W	H		08-Feb-07	211.6	3970.4	V		
315227109030001	D-18-32 11BCC	620642	4135	31° 52' 29.1'' / 109° 3' 3.3''	172	172	W	S	Inactive	07-Feb-07			V	O	
315129109035101	D-18-32 15CAB	802169	4127	31° 51' 30.1'' / 109° 3' 51.8''			W	S		05-Feb-07	119.9	4007.1	V		
315147109050501	D-18-32 16BCA	620636	4178	31° 51' 46.8'' / 109° 5' 4.8''	280	280	W	S		06-Feb-07			V	O	
315016109050401	D-18-32 21CCD	620645	4247	31° 50' 19.2'' / 109° 5' 2.7''	275	275	W	S		06-Feb-07	208.3	4038.7	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315012109030401	D-18-32 26BBC		4125	31° 50' 4.4'' / 109° 3' 7.2''	1000	1000	W	I	Annually	07-Feb-07	99.1	4025.9	V		
314951109030701	D-18-32 26BCC2		4132	31° 49' 52.6'' / 109° 3' 4.5''			U	U		30-Jan-07	105.2	4026.8	V		
314949109040001	D-18-32 27CBA	605458	4142	31° 49' 49.9'' / 109° 3' 59.1''			U	U	Annually	06-Feb-07	93.8	4048.2	V		
314926109053301	D-18-32 29DCD	641963	4314	31° 49' 25.6'' / 109° 5' 30''	90	90	W	S		06-Feb-07			V	O	
314949109065501	D-18-32 30CAB		4561	31° 49' 49'' / 109° 6' 55''			W	H		06-Feb-07			Z	O	
314849109031801	D-18-32 34DAD	623071	4150	31° 48' 50.2'' / 109° 3' 16.5''	500	500	W	I		05-Feb-07	117.8	4032.2	V		
314852109033701	D-18-32 34DBB	623067	4146	31° 48' 53.9'' / 109° 3' 36.9''	600	600	W	I		06-Feb-07	101.9	4044.1	V		
314850109032901	D-18-32 34DBD	623066	4146	31° 48' 50.3'' / 109° 3' 28.6''	500	500	W	I		05-Feb-07	96.7	4049.3	V		
314913109025901	D-18-32 35BBD		4139	31° 49' 13.1'' / 109° 3' 0.2''			U	U		30-Jan-07	114	4025	V		
314854109025601	D-18-32 35CBA		4153	31° 48' 51.8'' / 109° 3' 0''	296	296	W	I	Annually	05-Feb-07	119.9	4033.1	V		
314637109092201	D-19-31 15DAA	620654	4760	31° 46' 36.5'' / 109° 9' 19.2''	150	150	W	S		08-Feb-07	127.9	4632.1	V		
314603109103601	D-19-31 21AAC	642778	4980	31° 46' 3.6'' / 109° 10' 35.6''			W	S		08-Feb-07	29.3	4950.7	V		
314826109033001	D-19-32 03DBA	800017	4155	31° 48' 23.9'' / 109° 3' 32''	315	315	U	U		08-Feb-07			V	O	
314735109035101	D-19-32 10BDC		4185	31° 47' 34.7'' / 109° 3' 51.1''			W	H		06-Feb-07	118.8	4066.2	V		
314728109035701	D-19-32 10CAB	628705	4187	31° 47' 27.1'' / 109° 3' 57.2''	275	275	W	H		06-Feb-07			Z	O	
314722109031501	D-19-32 10DAD	601611	4175	31° 47' 21.8'' / 109° 3' 15.4''	240	240	W	H		08-Feb-07	137.2	4037.8	V		
314629109071501	D-19-32 18CBC	620657	4527	31° 46' 29.9'' / 109° 7' 16.1''	275	275	W	S		08-Feb-07	192.7	4334.3	V		
314454109035701	D-19-32 27BDC		4225	31° 44' 53.1'' / 109° 3' 58''			W	H		30-Jan-07	170.3	4054.7	V		
314431109045501	D-19-32 28CDC	605459	4238	31° 44' 27.8'' / 109° 4' 52''	535	535	W	I		05-Feb-07	199.7	4038.3	V		
314426109044001	D-19-32 28DCD	605461	4236	31° 44' 28.4'' / 109° 4' 34.4''	604	604	W	I		05-Feb-07			V	O	
314453109052801	D-19-32 29ADC	519388	4265	31° 44' 53.3'' / 109° 5' 27.9''	600	600	W	H		05-Feb-07	223.5	4041.5	V		
314507109055801	D-19-32 29BDB	646297	4306	31° 45' 7.1'' / 109° 6' 0.6''	365	365	U	U		06-Feb-07			V	O	
314335109061601	D-19-32 31DDD	601902	4270	31° 43' 36.8'' / 109° 6' 16.6''	225	225	W	H		30-Jan-07	125.7	4144.3	V		
314348109041301	D-19-32 33DAD	87403	4262	31° 43' 47.7'' / 109° 4' 13.2''	418	418	U	U		30-Jan-07	219.9	4042.1	V		
314336109041301	D-19-32 33DDD	620644	4271	31° 43' 36'' / 109° 4' 13.5''	480	480	W	S		30-Jan-07	241.6	4029.4	V		
314358109025701	D-19-32 35CBA	511868	4301	31° 43' 56.1'' / 109° 2' 56.5''	400	400	W	S		30-Jan-07	284.7	4016.3	V		
314319109134601	D-20-30 01ACA		5320	31° 43' 18.9'' / 109° 13' 45.6''			W	H		01-May-07	265.3	5054.7	V		
314147109134701	D-20-30 13ABA	508272	5110	31° 41' 47.9'' / 109° 13' 46.6''	600	600	W	H		01-May-07			V	O	
314148109134701	D-20-30 13ABA	519947	5110	31° 41' 48.1'' / 109° 13' 46.7''	1372	1372	W	H		08-Feb-07			V	O	
314037109190001	D-20-30 19ACD	630125	5240	31° 40' 36.3'' / 109° 19' 1''	150	150	W	S		12-Jan-07	18.7	5221.3	V	R	
313852109180801	D-20-30 32ACC	630130	5060	31° 38' 49.6'' / 109° 18' 7.4''	202	202	W	H		15-Mar-07	143.6	4916.4	V	P	
314113109075801	D-20-31 13CAC	630194	4378	31° 41' 6.8'' / 109° 7' 57.8''	450	450	U	U		09-Feb-07			V	D	
314134109132801	D-20-31 18BCB	513208	5090	31° 41' 34.3'' / 109° 13' 29.3''	198	198	W	H		08-Feb-07	107.6	4982.4	V		
314020109073801	D-20-31 24DBD	628681	4379	31° 40' 20.5'' / 109° 7' 36.3''	750	750	W	S		09-Feb-07	344.4	4034.6	V		
313823109114901	D-20-31 32DCD	607756	4650	31° 38' 20.3'' / 109° 11' 51.3''	20	20	U	U		29-Jan-07	1.9	4648.1	S		
314329109040901	D-20-32 03BBB	510735	4280	31° 43' 27.1'' / 109° 4' 7.9''	400	400	W	H		30-Jan-07	250.6	4029.4	V		
314259109032801	D-20-32 03DBD	504075	4345	31° 42' 56.6'' / 109° 3' 31.6''	300	300	U	U		30-Jan-07			V	D	
314312109041401	D-20-32 04ADD		4288	31° 43' 12.8'' / 109° 4' 13.7''			U	U		30-Jan-07			V	D	
314311109054201	D-20-32 05ACC	628927	4282	31° 43' 9.5'' / 109° 5' 44.3''	400	400	W	S		06-Feb-07	238.9	4043.1	V		
314216109061201	D-20-32 08BCD	628929	4306	31° 42' 16.6'' / 109° 6' 7''	460	460	W	I		08-Feb-07	267.3	4038.7	V		
314238109050701	D-20-32 09BBB	602723	4297	31° 42' 39.2'' / 109° 5' 7''	225	225	W	S	Annually	05-Feb-07	190.6	4106.4	V		
314057109041201	D-20-32 22BBB	620643	4425	31° 40' 55.8'' / 109° 4' 10.7''	510	510	W	S		08-Feb-07	392.4	4032.6	V	P	
313758109104401	D-21-31 03BCD1	642410	4570	31° 37' 58.1'' / 109° 10' 44.3''			U	U		07-Feb-07	552.1	4017.9	V		
313737109121701	D-21-31 05DCA		4650	31° 37' 37.1'' / 109° 12' 17.3''			U	U		01-May-07	52.9	4597.1	V		
313757109130901	D-21-31 06ADD	630193	4702	31° 37' 55.3'' / 109° 13' 8.6''	750	750	W	S		29-Jan-07	671.6	4030.4	V	K	
313453109095301	D-21-31 23CCB	642412	4658	31° 34' 59'' / 109° 9' 53.5''	900	900	W	S		07-Feb-07			V	O	
313803109390901	D-21-32 03ACB	616391	4622	31° 37' 58.4'' / 109° 4' 18.4''	690	690	W	S		08-Feb-07	520.8	4101.2	V		
313547109041301	D-21-32 15DCB	628688	4655	31° 35' 46.8'' / 109° 4' 13.2''	100	100	W	H		14-Mar-07	57.1	4597.9	V		
313542109041501	D-21-32 15DCC	628682	4690	31° 35' 44.7'' / 109° 4' 16.3''	420	420	W	H		14-Mar-07	290	4400	V		

Appendix 5. San Simon Valley Sub-basin initial dataset water level measurements water year 2007.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE[1]	WATER USE[2]	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD[3]	REMARK[4]	COMMENT
313444109073601	D-21-32 30BDA	628683	4787	31° 34' 34.1'' / 109° 7' 25.5''	1000	1000	W	S		3/14/2007			V	O	
313228109074701	D-22-32 06CCA	616411	4780	31° 32' 28.7'' / 109° 7' 47.7''	1000	1000	W	S		3/14/2007			V	O	

1. * = Undetermined, T = Test, U = Unused, W = Withdrawal, Z = Well Destroyed
2. * = Undetermined, F = Fire, H = Domestic, I = Irrigation, N = Industrial, P = Public Supply, S = Stock, U = Unused, Z = Other
3. E = Estimated, S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape, VT = A.D.W.R calibrated electric tape, Z = Other (explain in comments)
4. D = Dry, F = Flowing, K = Cascading Water, O = Obstruction, P = Pumping, R = Recently Pumped, S = Nearby Pumping, V = Foreign Material (oil), W = Well Destroyed, Z = Other

Appendix 6

San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321334109004401	24S 21W 09 334B		4282	32° 13' 34.1'' / 109° 0' 44.4''			W	S		05-Mar-15	85	4197	V		
321151109005001	24S 21W 21 333		4410	32° 11' 50.9'' / 109° 0' 50.9''			U	U		20-May-15	656.8	3753.2	V		
321151109005001	24S 21W 21 333		4410	32° 11' 50.9'' / 109° 0' 50.9''			U	U		05-Mar-15	636.7	3773.3	V		
320528109004001	25S 21W 33 114		4170	32° 5' 28.5'' / 109° 0' 39.6''			U	U		12-Mar-15	313.4	3856.6	V		
320122109013801	26S 21W 30 122B		3937	32° 1' 22.4'' / 109° 1' 37.9''	95	95	W	S		11-Mar-15	56.5	3880.5	V		
320007109011601	26S 21W 31 243		3971	32° 0' 8.3'' / 109° 1' 17.4''	125	125	W	S		11-Mar-15	97.7	3873.3	V		
320415109023701	26S 22W 01 413		3874	32° 4' 17.2'' / 109° 2' 36.6''	300	300	W	S		12-Mar-15	35	3839	V		
320339109021601	26S 22W 12 223		3892	32° 3' 51.5'' / 109° 2' 19.4''	135	135	W	S		12-Mar-15	40.7	3851.3	V	X	OWNER REPORTS FLOOD ACTIVITY IN PAST 6 MONTHS
315551108551401	27S 20W 30 243		4450	31° 55' 49'' / 108° 55' 8.1''			W	H		24-Feb-15	153.4	4296.6	V		
315836109011501	27S 21W 07 232A		4019	31° 58' 27.7'' / 109° 1' 23.1''	400	400	W	I	Annually	04-Mar-15	133.4	3885.6	V		
315738109004001	27S 21W 17 124		4020	31° 57' 38'' / 109° 0' 40''	220	220	W	I		04-Mar-15			Z		UTM - NEW TURBINE BEING INSTALLED
315702109002601	27S 21W 17 434		4054	31° 57' 1.4'' / 109° 0' 26''	180	180	W	S		04-Mar-15			Z		UTM - NO ACCESS POINT, UNABLE TO PRY UP
315650108584501	27S 21W 22 123		4195	31° 56' 50'' / 108° 58' 45''			W	S		24-Feb-15	318.2	3876.8	V		
315533109002801	27S 21W 29 422		4058	31° 55' 33.4'' / 109° 0' 31.6''			W	S		10-Mar-15	87.9	3970.1	V		
315532109013101	27S 21W 30 413		4101	31° 55' 32.2'' / 109° 1' 29.9''	200	200	U	U		10-Mar-15	142.1	3958.9	V		
315846109011601	27S 21W S06 443		4001	31° 58' 46.5'' / 109° 1' 15.9''	180	180	W	S	Annually	04-Mar-15	126.4	3874.6	V		
315908109025301	27S 22W S01 134		4062	31° 59' 8.4'' / 109° 2' 53.4''			U	U		04-Mar-15	148.2	3913.8	V		
315858109025301	27S 22W S01 314		4061	31° 58' 58'' / 109° 2' 53.6''	505	505	U	U		04-Mar-15	150.3	3910.7	V		
315842109025301	27S 22W S01 334		4073	31° 58' 42'' / 109° 2' 53''	505	505	W	I		04-Mar-15			Z		UTM - NO ACCESS TO BOP
315344109002901	28S 21W 05 413		4073	31° 53' 43.7'' / 109° 0' 28.4''			W	S		10-Mar-15	107.1	3965.9	V		
324211109133301	D-08-30 25DCB2	644543	3965	32° 42' 11.2'' / 109° 13' 33.8''	480	480	W	S	Inactive	11-Mar-15			Z	Z	UTM- NO ACCESS. UNABLE TO REMOVE J TUBE DUE TO PSI GAUGE.
323905109195901	D-09-29 13BDC	615671	3710	32° 39' 4.9'' / 109° 19' 59.5''	375	375	W	H		11-Mar-15	247.7	3462.3	V		
323558109212801	D-09-29 34DDC	615672	3788	32° 35' 57.6'' / 109° 21' 28.3''	0	0	W	S		11-Mar-15	328.3	3459.7	V	P	
323817109173201	D-09-30 20ACA	615675	3660	32° 38' 16.4'' / 109° 17' 32.5''	320	320	W	U		11-Mar-15	190.8	3469.2	V		
323558109162901	D-09-30 33DCD	615676	3590	32° 35' 58.3'' / 109° 16' 29.1''	0	0	W	S		11-Mar-15	131.5	3458.5	V	P	SOLAR POWER
323143109284301	D-10-28 28DDC		3359	32° 31' 43'' / 109° 28' 43''	200	200	U	U		11-Mar-15			Z	Z	UTM - ROAD WASHED OUT ~2.5 MILES SOUTH AT GOLD GULCH
323259109234501	D-10-29 20ACD	624547	3639	32° 32' 59.6'' / 109° 23' 44.7''	525		W	U		12-Mar-15	216.9	3422.1	V		
322753109401501	D-11-26 23BCC	615819	4463	32° 27' 52.5'' / 109° 40' 14.3''	500	500	W	S		23-Feb-15	438.2	4024.8	V		
322620109435501	D-11-26 31BAD	615818	4915	32° 26' 19.2'' / 109° 43' 54.9''	50	50	W	S		23-Feb-15			V	D	DRY @ 56'
322540109421001	D-11-26 33CCD	615820	4649	32° 25' 38.8'' / 109° 42' 10.3''	550	550	W	S		23-Feb-15	457.7	4191.3	V		
322716109291801	D-11-28 28ABA1	624543	3542	32° 27' 20.1'' / 109° 29' 17.3''	170	170	W	S		25-Feb-15	133	3409	V		

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322716109291901	D-11-28 28ABA2	624544	3542	32° 27' 20.8'' / 109° 29' 19.1''	1818	1818	W	S		25-Feb-15	127.2	3414.8	V		
322544109315301	D-11-28 31CCA	615821	3668	32° 25' 44.6'' / 109° 31' 52.1''	169	169	W	S		23-Feb-15			Z	Z	UTM - NO MP ACCESS
322959109202601	D-11-29 01CDD2	643383	3467	32° 29' 59'' / 109° 20' 26''	600		W	S		26-Feb-15	25.7	3441.3	V	P	
322750109253501	D-11-29 19BDC		3503	32° 27' 50.2'' / 109° 25' 34.7''			U	U		25-Feb-15			V	D	DRY AT 66.5FT
322817109163801	D-11-30 15CCB	615822	3630	32° 28' 19.2'' / 109° 16' 37.9''			W	S		26-Feb-15	165.3	3464.7	V		
322545109194001	D-11-30 31CCA	615823	3473	32° 25' 45.8'' / 109° 19' 38.5''	800	800	W	S	Annually	26-Feb-15	39.4	3433.6	V		
322750109132501	D-11-31 19BCD	622824	3946	32° 27' 50'' / 109° 13' 24.6''	696	696	W	S		03-Mar-15	267.6	3678.4	V		
322557109125101	D-11-31 31DAB	622822	3980	32° 25' 57.6'' / 109° 12' 52.3''	169	169	W	S		03-Mar-15			Z	Z	UTM-NO MP
322510109385601	D-12-26 01CAB	615862	4237	32° 25' 10.3'' / 109° 38' 55.3''	300	300	W	S		23-Feb-15	81.3	4155.7	S		
322503109435801	D-12-26 06CAD	632497	4786	32° 25' 3'' / 109° 43' 58.5''	375	375	W	S		23-Feb-15			Z	Z	UTM - IMPASSABLE ROAD
322422109404301	D-12-26 10ACC	632495	4469	32° 24' 20.4'' / 109° 40' 43''	600	600	W	S		23-Feb-15			Z	Z	UTM - NO MP ACCESS/NEW SOLAR PUMP
322329109425901	D-12-26 17BDD	632490	4520	32° 23' 29'' / 109° 42' 59''	25	25	W	H		23-Feb-15			Z	Z	UTM - NO ACCESS
322325109425701	D-12-26 17CAA1	632487	4498	32° 23' 25'' / 109° 42' 57''	25	25	W	S		23-Feb-15			Z	Z	UTM - NO MP ACCESS
322324109425501	D-12-26 17CAA2	632488	4498	32° 23' 24'' / 109° 42' 55''	85	85	W	S		23-Feb-15			Z	Z	UTM - NO MP ACCESS
322342109442101	D-12-26 18BBC	632494	4634	32° 23' 41.8'' / 109° 44' 21''	300	300	W	S		23-Feb-15	132.6	4501.4	S		
322257109405501	D-12-26 22BAA	632500	4325	32° 22' 57.4'' / 109° 40' 55.2''	400	400	W	S		23-Feb-15	381.5	3943.5	V		
322040109412901	D-12-26 33DAC	615868	4227	32° 20' 40'' / 109° 41' 29''	300	300	W	S		11-Mar-15			Z	Z	NO ACCESS ROADS TO WELL.
322054109403001	D-12-26 34ADC	632499	4171	32° 20' 54.5'' / 109° 40' 29.6''	700	700	W	S		11-Mar-15			Z	Z	BEES IN WELL.
322055109385201	D-12-26 36BDD2	615870	4097	32° 20' 55'' / 109° 38' 52''	300	300	W	S		11-Mar-15			Z	Z	NO ACCESS TO WELL.
322336109331901	D-12-27 14ADB	609847	3795	32° 23' 34.4'' / 109° 33' 18.2''	540	540	W	S		24-Feb-15	424.9	3370.1	V		
322303109363501	D-12-27 17DCC	615872	4043	32° 23' 3.3'' / 109° 36' 35.7''	500	500	W	S		11-Mar-15	372.1	3670.9	V	K	
322153109350601	D-12-27 27BCB	613633	3892	32° 21' 52.3'' / 109° 35' 4.7''			U	U		10-Mar-15			V	D	UTM-DRY @ 234.5
322117109355401	D-12-27 28CDC		3961	32° 21' 15.1'' / 109° 35' 52.9''	168	168	W	I		11-Mar-15	131.2	3829.8	V		
322110109362701	D-12-27 32AAB1		3979	32° 21' 11.6'' / 109° 36' 24.5''	250	250	U	U	Annually	10-Mar-15	132.1	3846.9	V		
322113109362401	D-12-27 32AAB2		3979	32° 21' 13.3'' / 109° 36' 24.2''	202	202	W	I		10-Mar-15	130.6	3848.4	V		
322115109364701	D-12-27 32BAA	613629	3985	32° 21' 15.1'' / 109° 36' 46.5''	300	300	U	U		10-Mar-15			Z	Z	UTM-LOCKED GATE
322322109272401	D-12-28 14DBB		3637	32° 23' 21.6'' / 109° 27' 26.6''			U	U		25-Feb-15	67.2	3569.8	V		
322334109285801	D-12-28 15BCB	625831	3684	32° 23' 36.5'' / 109° 29' 0.9''	1000	1000	W	I	Annually	25-Feb-15	355.6	3328.4	V		
322333109290101	D-12-28 15BCC	625870	3680	32° 23' 33.8'' / 109° 29' 0.8''			W	H		25-Feb-15	272.5	3407.5	V		
322302109282801	D-12-28 15DCC	614580	3669	32° 23' 6.1'' / 109° 28' 28.5''	700	700	U	U		24-Feb-15	88.4	3580.6	V		
322334109292901	D-12-28 16ACB	625832	3697	32° 23' 39.2'' / 109° 29' 32''	830	830	W	I		24-Feb-15	345.5	3351.5	V		

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322310109300201	D-12-28 16CCB	615874	3720	32° 23' 9.2'' / 109° 30' 1.6''			U	U		25-Feb-15	311.7	3408.3	V		
322302109300001	D-12-28 16CCC	625833	3721	32° 23' 5.7'' / 109° 30' 1.7''	750	750	U	U		25-Feb-15	344.3	3376.7	V	K	
322302109294001	D-12-28 16CDC	625834	3712	32° 23' 1.4'' / 109° 29' 46.5''	800	800	W	I		24-Feb-15	351.2	3360.8	V		
322302109293101	D-12-28 16CDD	625835	3703	32° 23' 1.3'' / 109° 29' 33.1''	1900	1900	W	I		24-Feb-15	378.2	3324.8	V		
322301109300901	D-12-28 17DDD	609816	3724	32° 23' 7'' / 109° 30' 4.9''	567	567	U	U	Annually	24-Feb-15			V	O	OBS @ 262'
322238109310201	D-12-28 20CBB	606323	3774	32° 22' 34.3'' / 109° 31' 3.6''	1600	1600	W	I		25-Feb-15	433.4	3340.6	V		
322222109301901	D-12-28 20DBD1		3749	32° 22' 24.9'' / 109° 30' 21.2''	800	800	U	U		25-Feb-15	333.4	3415.6	V	K	CASCADING
322225109302101	D-12-28 20DBD2	606326	3749	32° 22' 25.2'' / 109° 30' 21.3''			W	I		25-Feb-15	424.8	3324.2	V		
322218109300601	D-12-28 20DDD		3739	32° 22' 14.4'' / 109° 30' 2.9''	800	800	W	I		25-Feb-15			Z	Z	UTM-BEES
322210109293001	D-12-28 21DCC	606327	3716	32° 22' 10'' / 109° 29' 30''	2000	2000	W	I		09-Mar-15			Z	Z	UTM - NO ACCESS GATE LOCKED
322210109284201	D-12-28 22CDC		3688	32° 22' 9.3'' / 109° 28' 44.8''	660	660	U	U		23-Feb-15	118.9	3569.1	V		
322209109281101	D-12-28 22DDC		3673	32° 22' 9'' / 109° 28' 11''			W	H		09-Mar-15			Z	Z	UTL - WELL BURIED
322210109275701	D-12-28 23CCC	625836	3668	32° 22' 8.3'' / 109° 27' 57.7''	1000	1000	W	I		23-Feb-15	347.6	3320.4	V	K	
322116109262201	D-12-28 25DCC		3645	32° 21' 16.79'' / 109° 26' 24.29''	1700	1700	U	U	Annually	23-Feb-15	285.5	3359.5	V	K	
322152109274701	D-12-28 26BCA2		3668	32° 21' 54.1'' / 109° 27' 42.1''			U	U	Annually	19-May-15	217.6	3450.4	V	S	NEARBY LOCAL PUMPING IN AREA
322152109274701	D-12-28 26BCA2		3668	32° 21' 54.1'' / 109° 27' 42.1''			U	U	Annually	09-Mar-15	211.5	3456.5	V		
322152109274601	D-12-28 26BCA3		3668	32° 21' 54.3'' / 109° 27' 41.9''			U	U		23-Feb-15	78.1	3589.9	V		
322118109275701	D-12-28 26CCC	627786	3681	32° 21' 17'' / 109° 27' 57.2''	1000	1000	W	I		23-Feb-15	380.4	3300.6	V		
322116109274601	D-12-28 26CCD2		3681	32° 21' 16.8'' / 109° 27' 46.2''			U	U		23-Feb-15	380.2	3300.8	V		
322116109272601	D-12-28 26DCC		3671	32° 21' 16'' / 109° 27' 26''	687	687	U	U		09-Mar-15	105.4	3565.6	V		
322156109285601	D-12-28 27BBC	808139	3699	32° 21' 55.2'' / 109° 29' 0.4''	700	700	W	I		09-Mar-15	389.5	3309.5	V		
322123109285901	D-12-28 27CCB	625837	3713	32° 21' 22.8'' / 109° 28' 59.7''	655	655	W	I		24-Feb-15			V	O	UTM - OBS @ 250' ALSO HEAVY CASCADING WATER
322116109285901	D-12-28 27CCC	625838	3713	32° 21' 16.4'' / 109° 28' 59.8''	110	110	W	I		24-Feb-15	85.4	3627.6	V		
322143109300001	D-12-28 28BCC	606336	3750	32° 21' 42.3'' / 109° 30' 1.9''	653	653	W	I		25-Feb-15	418	3332	V		
322118109295901	D-12-28 28CCC1		3747	32° 21' 17.2'' / 109° 29' 58.9''	500	500	U	U		25-Feb-15	156.4	3590.6	V		
322117109295801	D-12-28 28CCC2	606335	3747	32° 21' 17.2'' / 109° 29' 58.8''			U	I		25-Feb-15	433.1	3313.9	V		
322139109303101	D-12-28 29DBB		3766	32° 21' 35'' / 109° 30' 30''	560	560	U	U		25-Feb-15	169.5	3596.5	V		
322025109303101	D-12-28 32DCC1	606341	3792	32° 20' 23.4'' / 109° 30' 30.9''	600	600	U	U		25-Feb-15			Z	P	UTM-PUMPING
322025109302101	D-12-28 32DCD	606342	3781	32° 20' 27.4'' / 109° 30' 21.6''	1100	1100	W	I		25-Feb-15	489.5	3291.5	V		
322103109292901	D-12-28 33ABC2	606334	3735	32° 21' 3.3'' / 109° 29' 29.3''			U	U		24-Feb-15	431.4	3303.6	V		
322102109290601	D-12-28 33ADA1		3722	32° 21' 2.1'' / 109° 29' 7''			U	U		24-Feb-15	93.9	3628.1	S		
322101109290101	D-12-28 33ADA2		3722	32° 21' 1'' / 109° 29' 2.3''			U	U		24-Feb-15	93.15	3628.85	S		
322052109295801	D-12-28 33BCC	625843	3756	32° 20' 50.7'' / 109° 30' 1.4''	758	758	U	I		25-Feb-15	179.9	3576.1	V	K	
322049109295001	D-12-28 33BCD		3748	32° 20' 50'' / 109° 29' 48''	488	488	U	U		24-Feb-15	399.6	3348.4	V	K	

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322023109295901	D-12-28 33CCC		3772	32° 20' 23.1'' / 109° 29' 59.2''	953	953	U	U		25-Feb-15			Z	P	UTM - PUMPING WORKER SAID WILL BE PUMPING FOR WEEKS
322048109293001	D-12-28 33DBB	625872	3745	32° 20' 48.5'' / 109° 29' 30.9''			U	U		25-Feb-15	106.8	3638.2	V		
322105109285601	D-12-28 34BBC1	625841	3719	32° 21' 2.3'' / 109° 29' 0.2''			W	I		24-Feb-15	413.6	3305.4	V		
322101109285801	D-12-28 34BBC2	625842	3717	32° 21' 2.1'' / 109° 28' 59.9''			U	U		24-Feb-15	90.2	3626.8	V		
322106109285901	D-12-28 34BBC3	625840	3715	32° 21' 6.9'' / 109° 28' 59.7''			W	I		24-Feb-15	85.6	3629.4	V		
322101109285001	D-12-28 34BCA		3715	32° 21' 2.1'' / 109° 28' 50''			U	U		24-Feb-15	86.4	3628.6	V		
322035109285901	D-12-28 34CCB		3735	32° 20' 34.3'' / 109° 29' 0''			W	I		24-Feb-15	438.1	3296.9	V		
322050109274001	D-12-28 35BDC	625869	3688	32° 20' 49.4'' / 109° 27' 41.2''	640	640	U	U		25-Feb-15			Z	Z	UTM - NO ACCESS LOCKED GATE
322025109274601	D-12-28 35CDC1		3701	32° 20' 25.7'' / 109° 27' 42.8''			U	U		25-Feb-15			Z	Z	UTM - NO ACCESS DOGS
322029109274301	D-12-28 35CDC3	215475	3695	32° 20' 28.8'' / 109° 27' 43.4''	1500	1500	W	I		25-Feb-15	408.6	3286.4	V		
322025109265701	D-12-28 36CCC1	634081	3680	32° 20' 25'' / 109° 26' 57''	715	715	U	U		09-Mar-15			Z	Z	UTM - NO ACCESS GATE LOCKED
322325109235101	D-12-29 16CBB	622814	3562	32° 23' 25.6'' / 109° 23' 51.6''			W	S		26-Feb-15	128.7	3433.3	V		
322115109200301	D-12-29 25DDC	643393	3527	32° 21' 14.1'' / 109° 20' 0.4''	65	65	W	S		11-Mar-15	51.2	3475.8	V		
322022109215001	D-12-29 35CCC	622815	3568	32° 20' 23.2'' / 109° 21' 47.7''	300	300	U	U		11-Mar-15	114.4	3453.6	V		
322519109141601	D-12-30 01BAD	532775	3870	32° 25' 18.9'' / 109° 14' 16.5''			U	U		02-Mar-15	199.7	3670.3	V		
322455109084201	D-12-31 02DDB	616784	4470	32° 24' 55.2'' / 109° 8' 40.9''	35	35	W	S		03-Mar-15	21.4	4448.6	S		
322438109095701	D-12-31 10ABB	805654	4294	32° 24' 38.9'' / 109° 9' 57.1''			W	S		02-Mar-15	109.6	4184.4	V		
322226109101301	D-12-31 22CAA	622818	3987	32° 22' 25.6'' / 109° 10' 10.1''	700	700	W	S		04-Mar-15	235.4	3751.6	V		
322247109074601	D-12-31 24ABD		4280	32° 22' 45.3'' / 109° 7' 45.7''			U	U		04-Mar-15	56.5	4223.5	S		
322235109074901	D-12-31 24ACD	622802	4280	32° 22' 34'' / 109° 7' 47.6''	410	410	W	S		04-Mar-15	15.7	4264.3	S		
322008109431201	D-13-26 05BCB	615914	4362	32° 20' 9.1'' / 109° 43' 11.6''			W	S		11-Mar-15	84.7	4277.3	V		
321901109404601	D-13-26 10CAA	615915	4291	32° 19' 3.7'' / 109° 40' 46.2''	406	393	W	N		11-Mar-15			Z	Z	NO ACCESS TO WELL.
321849109405901	D-13-26 10CDB	615916	4321	32° 18' 49.2'' / 109° 40' 58.4''	300	300	W	S		11-Mar-15			Z	Z	NO MP ACCESS TO MAKE MEASUREMENT.
321742109425401	D-13-26 20BAD	609827	4752	32° 17' 42.2'' / 109° 42' 53.1''			W	S		11-Mar-15			Z	Z	OWNER DID NOT GIVE PERMISSION TO MEASURE.
321741109404301	D-13-26 22ABC		4555	32° 17' 41'' / 109° 40' 43''	26.8	26.8	U	U		11-Mar-15			Z	Z	OWNER DID NOT GIVE PERMISSION TO MEASURE.
321728109403701	D-13-26 22ACC	609801	4575	32° 17' 28'' / 109° 40' 37''			W	S		11-Mar-15			Z	Z	OWNER DID NOT GIVE PERMISSION TO MEASURE.
321707109320901	D-13-27 24DDA	648587	4041	32° 17' 7.4'' / 109° 32' 7.8''	195	195	W	S		11-Mar-15	7.4	4033.6	V		
321931109272501	D-13-28 02DCC	615923	3704	32° 19' 31'' / 109° 27' 25.6''	1000	1000	U	U		25-Feb-15	400.3	3303.7	V		
321931109265701	D-13-28 02DDD	615924	3691	32° 19' 31'' / 109° 26' 57.3''	1010	1010	U	U		25-Feb-15	401.9	3289.1	V	V	
322012109285801	D-13-28 03BBC	625844	3742	32° 20' 10.4'' / 109° 28' 59.9''			W	I		25-Feb-15	454.8	3287.2	V		
321935109282701	D-13-28 03DCC	603872	3738	32° 19' 35'' / 109° 28' 27''	800	800	W	I		04-Mar-15			Z	O	UTM - OBS @ MP

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321930109290801	D-13-28 04DDD1	621243	3763	32° 19' 30.7'' / 109° 29' 8.6''	980	980	W	P		04-Mar-15	527.2	3235.8	V	R	
321931109290701	D-13-28 04DDD2	621242	3763	32° 19' 31.1'' / 109° 29' 9.3''	640	640	W	P		04-Mar-15	480.5	3282.5	V		
321930109292401	D-13-28 09ABB	511879	3775	32° 19' 30'' / 109° 29' 24''			W	I		10-Mar-15	493.2	3281.8	V		
321918109294301	D-13-28 09BAC1	606349	3794	32° 19' 18'' / 109° 29' 44.2''			U	U		10-Mar-15	285	3509	V	K	
321918109294201	D-13-28 09BAC2	606351	3794	32° 19' 18'' / 109° 29' 42''			U	U		10-Mar-15			Z	Z	UTL - ONLY ONE WELL AT LOCATION. LAND LOOKS LEVELED
321905109300001	D-13-28 09BCC	606346	3808	32° 19' 7.4'' / 109° 30' 1.8''			U	U		11-Mar-15	530.6	3277.4	V		
321902109270001	D-13-28 11ADC	632527	3705	32° 19' 9.3'' / 109° 27' 6.9''	504	504	W	H		25-Feb-15	228.3	3476.7	V		
321855109272601	D-13-28 11DBC	803230	3722	32° 18' 51.7'' / 109° 27' 27.4''	500	500	W	I		25-Feb-15	385.5	3336.5	V		
321850109265701	D-13-28 12CBC	803229	3718	32° 18' 52'' / 109° 26' 55.7''	515	515	W	H		25-Feb-15	399.9	3318.1	V	R	ALSO CASCADING
321854109261601	D-13-28 12DBD	805448	3702	32° 18' 55.3'' / 109° 26' 17.1''	800	800	W	N		25-Feb-15	346.2	3355.8	V	R	
321825109265601	D-13-28 13BCB		3732	32° 18' 25.2'' / 109° 26' 57.1''			U	U		25-Feb-15	412.8	3319.2	V		
321813109265601	D-13-28 13BCC1		3738	32° 18' 12.7'' / 109° 26' 56.8''	800	800	U	U		25-Feb-15	215.2	3522.8	V		
321812109265401	D-13-28 13BCC3	610897	3738	32° 18' 12.3'' / 109° 26' 55.5''	145	145	W	I		25-Feb-15	113.9	3624.1	V		
321812109264401	D-13-28 13BCD	610898	3732.16	32° 18' 12.11'' / 109° 26' 46.79''	177	177	U	U	Transducer	30-Oct-14	112.34	3619.82	VT		
321812109264401	D-13-28 13BCD	610898	3732.16	32° 18' 12.11'' / 109° 26' 46.79''	177	177	U	U	Transducer	09-Jan-15	112.45	3619.71	VT		
321812109264401	D-13-28 13BCD	610898	3732.16	32° 18' 12.11'' / 109° 26' 46.79''	177	177	U	U	Transducer	25-Jun-15	112.58	3619.58	VT		
321804109265601	D-13-28 13CBB	610899	3742	32° 18' 5'' / 109° 26' 56.6''	163	163	U	U		26-Feb-15	118.7	3623.3	V		
321800109265701	D-13-28 13CBC	604794	3747	32° 17' 59.4'' / 109° 26' 56.8''	800	800	W	I		26-Feb-15	419.9	3327.1	V		
321746109265401	D-13-28 13CCC1		3757	32° 17' 46.8'' / 109° 26' 56.6''			U	U		25-Feb-15	121.6	3635.4	V		
321749109265501	D-13-28 13CCC2	604796	3757	32° 17' 46.4'' / 109° 26' 56.6''	600	600	W	I		26-Feb-15			Z	Z	NO ACCESS WELL BURIED UNDER DEBRIS AND HEAVEY BOXES.
321749109262301	D-13-28 13DCC1	604797	3745	32° 17' 46.8'' / 109° 26' 25''	750	750	W	I		26-Feb-15	405.4	3339.6	V		
321746109261801	D-13-28 13DCC2	610901	3745	32° 17' 46.3'' / 109° 26' 18.9''	165	165	U	U		26-Feb-15	119.9	3625.1	V		
321746109271701	D-13-28 14DCD	618348	3766	32° 17' 46.4'' / 109° 27' 17.5''	900	900	W	I		26-Feb-15	443.1	3322.9	V		
321813109284201	D-13-28 15BDC	627784	3789	32° 18' 12.5'' / 109° 28' 42''	1013	1013	W	I		26-Feb-15			V	O	UTM - OBS @ 200' WATER AT 200 FEET
321748109282601	D-13-28 15DCC	606352	3798	32° 17' 47.6'' / 109° 28' 29.9''			W	I		26-Feb-15	505.5	3292.5	V		
321749109295801	D-13-28 16CCC	606345	3868	32° 17' 47'' / 109° 29' 59.3''	895	895	U	U		26-Feb-15			V	O	UMT - OBS @ 190'
321748109292701	D-13-28 16DCC	615926	3839	32° 17' 46.4'' / 109° 29' 31.6''	671	671	U	U		26-Feb-15	562.7	3276.3	V		
321722109282801	D-13-28 22ACC		3815	32° 17' 21.6'' / 109° 28' 28.5''			W	I		26-Feb-15	510.4	3304.6	V		
321721109286001	D-13-28 22BCC	618342	3838	32° 17' 19.6'' / 109° 28' 59.6''	892	892	W	I	Annually	26-Feb-15	544.6	3293.4	V		

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321655109282701	D-13-28 22DCC	806254	3841	32° 16' 55.6'' / 109° 28' 26.3''	892	892	U	U		26-Feb-15			V	O	UTM - OBS @ 460'
321720109265701	D-13-28 23ADD	618345	3779	32° 17' 19.9'' / 109° 26' 57.4''			U	U		26-Feb-15	443.8	3335.2	V		
321721109274801	D-13-28 23BCC	618343	3796	32° 17' 20'' / 109° 27' 52.6''	800	800	W	I		26-Feb-15	477.5	3318.5	V		
321655109272401	D-13-28 23DCC1	618346	3811	32° 16' 53.9'' / 109° 27' 24.4''	530	530	W	I		26-Feb-15			Z	Z	UTM - NO ACCESS LOCKED GATE
321656109265601	D-13-28 24CCC2	618358	3801	32° 16' 53.7'' / 109° 26' 56.7''	520	520	U	U		26-Feb-15	348	3453	V	K	
321654109265501	D-13-28 24CCC3	618347	3801	32° 16' 53.9'' / 109° 26' 56.7''	700	700	U	U		26-Feb-15			V	O	UTM - OBS @ 286.8
321603109310901	D-13-28 30DDD	648585	4153	32° 16' 2.9'' / 109° 31' 8.5''	200	200	W	S		11-Mar-15	136.9	4016.1	V		
321559109311201	D-13-28 31AAA	648586	4161	32° 15' 58'' / 109° 31' 11.4''	200	200	U	U		11-Mar-15	131.5	4029.5	V		
321544109275601	D-13-28 35BCB	615927	3696	32° 15' 46'' / 109° 27' 54.9''	640	622	W	S		03-Mar-15	492.1	3203.9	V		
321931109255501	D-13-29 06CCC1		3672	32° 19' 31.1'' / 109° 25' 53.5''	835	835	U	U		03-Mar-15			Z	Z	UTM - BEES
321931109255401	D-13-29 06CCC2	622794	3672	32° 19' 31.9'' / 109° 25' 54.5''	1000	1000	W	I		03-Mar-15	359.4	3312.6	V		
321931109251901	D-13-29 06DCC	622795	3661	32° 19' 27.7'' / 109° 25' 26.4''	926	926	U	U		03-Mar-15	332.8	3328.2	V		
321747109211301	D-13-29 14DCA	612874	3629	32° 17' 47.6'' / 109° 21' 13.2''	158	158	W	I		05-Mar-15	96.5	3532.5	V		
321743109205801	D-13-29 14DDA	612876	3625	32° 17' 43.8'' / 109° 20' 59.1''	162	162	W	I		05-Mar-15	96.1	3528.9	V		
321745109210501	D-13-29 14DDB	612875	3627	32° 17' 45.3'' / 109° 21' 3.5''	172	172	W	I		05-Mar-15	95.2	3531.8	V		
321710109242601	D-13-29 20ACC	618353	3731	32° 17' 11.8'' / 109° 24' 25.4''	616	616	U	U		03-Mar-15			V	O	UTM - OBS @ 244.5
321704109245601	D-13-29 20BCC	618352	3743	32° 17' 9.8'' / 109° 24' 57.5''	576	576	U	U		03-Mar-15	365.5	3377.5	V		WELL IS NOW IN USE WITH DIESEL TURBINE PUMP; PREVIOUS BASIN SWEEPS WELL WAS UNUSED.
321704109245601	D-13-29 20BCC	618352	3743	32° 17' 9.8'' / 109° 24' 57.5''	576	576	U	U		20-May-15	373.2	3369.8	V	S	WELL 20CCC PUMPING
321644109245601	D-13-29 20CCC1	618350	3758	32° 16' 44.8'' / 109° 24' 50.6''	560	560	U	U		03-Mar-15	361.8	3396.2	V		
321644109242901	D-13-29 20CDD	618356	3751	32° 16' 45'' / 109° 24' 28.1''			W	I		03-Mar-15	348.5	3402.5	V		
321656109233601	D-13-29 21CAC	621314	3719	32° 16' 57.5'' / 109° 23' 37.6''	180	180	U	U		04-Mar-15			Z	Z	UTM - NO ACCESS LOCKED GATE + DOGS
321704109235601	D-13-29 21CBB	621326	3721	32° 17' 3.8'' / 109° 23' 56.8''	175	175	U	U		04-Mar-15			Z	O	UTM - BULLDOZER REMOVED PATH TO WELL NO ROAD
321656109233901	D-13-29 21CBD	621315	3721	32° 16' 57.5'' / 109° 23' 41.3''	180	180	U	U		04-Mar-15			O	Z	UTM - NO ACCESS BULLDOZER REMOVED PATH TO WELL
321651109235501	D-13-29 21CCB	621318	3735	32° 16' 51.5'' / 109° 23' 56.4''			U	U		04-Mar-15			V	O	UTM - OBS @ 160.5'
321644109235501	D-13-29 21CCC	621323	3737	32° 16' 44.2'' / 109° 23' 56.2''	854	854	U	U		04-Mar-15	321.7	3415.3	V		
321656109230301	D-13-29 21DAC1	621325	3708	32° 16' 56.9'' / 109° 23' 4.4''	185	185	U	U		04-Mar-15	141.7	3566.3	V		
321656109230601	D-13-29 21DAC2		3710	32° 16' 57'' / 109° 23' 8.3''	190	190	U	U		04-Mar-15	142.6	3567.4	V		

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321656109230001	D-13-29 21DAD1		3707	32° 16' 56.9'' / 109° 23' 0.3''			U	U		04-Mar-15			Z	Z	UTM - NO ACCESS WELL PACKED UNDER DIRT
321656109225701	D-13-29 21DAD2	621325	3705	32° 16' 56.8'' / 109° 22' 56.7''	185	185	U	U		04-Mar-15	138.7	3566.3	V		
321712109225301	D-13-29 22BCC	508293	3694	32° 17' 12.9'' / 109° 22' 54.3''			U	U		04-Mar-15			Z	Z	UTM - NO ACCESS ROAD GONE
321700109225201	D-13-29 22CBC	615928	3700	32° 17' 0.2'' / 109° 22' 54.3''	707	707	W	I		04-Mar-15	259.6	3440.4	V		
321654109225301	D-13-29 22CCB1	625859	3705	32° 16' 55.3'' / 109° 22' 54.4''			U	U		04-Mar-15			Z	O	UTM - OBS BURIED
321649109225301	D-13-29 22CCB2	625860	3708	32° 16' 51'' / 109° 22' 54.4''			U	U		04-Mar-15	140.7	3567.3	V		
321646109225301	D-13-29 22CCC1	615930	3715	32° 16' 44.2'' / 109° 22' 53.2''	1104	1104	W	I		04-Mar-15	276.6	3438.4	V		
321647109225301	D-13-29 22CCC2		3710	32° 16' 47.6'' / 109° 22' 54.4''			U	U		04-Mar-15	143	3567	V		
321644109225101	D-13-29 22CCC3		3715	32° 16' 43.6'' / 109° 22' 52.3''			U	U		04-Mar-15	146.1	3568.9	V		
321644109225001	D-13-29 22CCC4		3715	32° 16' 43.6'' / 109° 22' 48.7''			U	U		04-Mar-15	145.4	3569.6	V		
321702109215401	D-13-29 22DAD	625867	3677	32° 17' 3.5'' / 109° 21' 53.2''			W	I		04-Mar-15	130.1	3546.9	V		
321707109222301	D-13-29 22DBB2	625863	3689	32° 17' 9.4'' / 109° 22' 22.2''			W	I		04-Mar-15	130.1	3558.9	V		
321643109222301	D-13-29 22DCC	625862	3711	32° 16' 44.3'' / 109° 22' 23''			W	I		04-Mar-15	141.4	3569.6	V		
321644109221401	D-13-29 22DCD	625866	3704	32° 16' 43.8'' / 109° 22' 15''			W	I		04-Mar-15	137.6	3566.4	V		
321734109212001	D-13-29 23ABB1	612871	3641	32° 17' 33.5'' / 109° 21' 21.3''	179	179	W	I		04-Mar-15	105.3	3535.7	V		
321731109211901	D-13-29 23ABB2	612872	3642	32° 17' 30.5'' / 109° 21' 21.3''	185	185	W	I		04-Mar-15			V	O	OBST @ 30 FT
321729109212001	D-13-29 23ABC1	612869	3644	32° 17' 27.5'' / 109° 21' 21.4''	175	175	W	I		04-Mar-15	109.2	3534.8	V		
321726109212001	D-13-29 23ABC2	612870	3645	32° 17' 24.3'' / 109° 21' 21.4''	172	172	W	I		04-Mar-15	111	3534	V		
321733109212401	D-13-29 23BAA	615935	3642	32° 17' 32.7'' / 109° 21' 23.9''	197	197	W	I		04-Mar-15	111.3	3530.7	V		
321707109212201	D-13-29 23CAA1	612855	3658	32° 17' 10.4'' / 109° 21' 22.4''	175	175	W	I		04-Mar-15	119.7	3538.3	V		
321703109212301	D-13-29 23CAA2	612854	3659	32° 17' 3'' / 109° 21' 23''	150	150	W	I		04-Mar-15	120.1	3538.9	V		
321707109213201	D-13-29 23CAB	612856	3664	32° 17' 7'' / 109° 21' 32''	150	150	W	I		04-Mar-15	121.9	3542.1	V		
321707109213901	D-13-29 23CBA	612857	3666	32° 17' 7'' / 109° 21' 39''	150	150	W	I		04-Mar-15	124.7	3541.3	V		
321644109211001	D-13-29 23DCD	612862	3675	32° 16' 44.1'' / 109° 21' 8.6''	155	155	W	I		10-Mar-15	132	3543	V		
321644109210201	D-13-29 23DDC2		3672	32° 16' 44.2'' / 109° 20' 58.8''			W	I		10-Mar-15	128.5	3543.5	V		
321644109205301	D-13-29 23DDD2	612860	3670	32° 16' 44.3'' / 109° 20' 51.7''	160	160	W	I		10-Mar-15	128.5	3541.5	V		
321730109200101	D-13-29 24AAB	512105	3615	32° 17' 31.1'' / 109° 20' 2.3''	190	190	W	I		05-Mar-15	94.1	3520.9	V		
321728109195001	D-13-29 24AAD		3615	32° 17' 28.1'' / 109° 19' 49.4''			U	U		05-Mar-15	98.1	3516.9	V		
321732109200601	D-13-29 24ABA1	512104	3615	32° 17' 32.4'' / 109° 20' 5.7''	167	167	W	I		05-Mar-15	89.4	3525.6	V		
321731109200501	D-13-29 24ABA2		3615	32° 17' 31.5'' / 109° 20' 3.8''			W	I		05-Mar-15	91.7	3523.3	V		
321707109203201	D-13-29 24CAB	612867	3642	32° 17' 7'' / 109° 20' 32''	185	185	W	I		10-Mar-15	110.1	3531.9	V		
321707109203901	D-13-29 24CBA1	612868	3644	32° 17' 9.1'' / 109° 20' 39.5''	162	162	W	I		10-Mar-15	110.3	3533.7	V		

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SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321708109204101	D-13-29 24CBA2	612880	3644	32° 17' 9.7'' / 109° 20' 41.8''	158	158	W	I		10-Mar-15	112.9	3531.1	V		
321652109202801	D-13-29 24CDB	612866	3652	32° 16' 54'' / 109° 20' 29.3''	195	195	W	I		10-Mar-15	116.9	3535.1	V		
321645109202801	D-13-29 24CDD	612865	3662	32° 16' 45.8'' / 109° 20' 29.5''	195	195	W	I		10-Mar-15	122.6	3539.4	V		
321647109202101	D-13-29 24DCC1	621309	3655	32° 16' 50.5'' / 109° 20' 20''	960	960	W	H		05-Mar-15	141.5	3513.5	V		
321648109202001	D-13-29 24DCC2	621310	3655	32° 16' 46.8'' / 109° 20' 19.6''	964	964	U	U	Annually	05-Mar-15	136.7	3518.3	V		
321644109200501	D-13-29 24DDC	510368	3652	32° 16' 44'' / 109° 20' 4.9''	185	185	U	U		05-Mar-15	117.8	3534.2	V		
321552109205201	D-13-29 25CCC1	621312	3722	32° 15' 51.2'' / 109° 20' 50.6''	863	863	W	I	none	05-Mar-15	158.9	3563.1	V		
321552109205101	D-13-29 25CCC2		3722	32° 15' 52.4'' / 109° 20' 51''			W	I	none	05-Mar-15	204.4	3517.6	V		
321552109203301	D-13-29 25CDC		3712	32° 15' 51.2'' / 109° 20' 36.4''	795	795	W	I		05-Mar-15	182.1	3529.9	V		
321551109202301	D-13-29 25CDD2	512102	3709	32° 15' 52'' / 109° 20' 21.8''	180	180	W	I		05-Mar-15	154.7	3554.3	V		
321615109202001	D-13-29 25DBB	512103	3683	32° 16' 15.9'' / 109° 20' 20.6''	180	180	W	I		05-Mar-15	131.9	3551.1	V		
321638109222301	D-13-29 27ABB	625853	3715	32° 16' 36.6'' / 109° 22' 23.6''			W	I		04-Mar-15	262.6	3452.4	V		
321633109222201	D-13-29 27ABC	625854	3719	32° 16' 30.8'' / 109° 22' 23.6''	1900	1900	W	I		04-Mar-15	147.4	3571.6	V		
321618109222301	D-13-29 27ACC1		3733	32° 16' 18.1'' / 109° 22' 19.7''	1040	1040	W	I		04-Mar-15	230.5	3502.5	V		
321617109222301	D-13-29 27ACC2		3731	32° 16' 19'' / 109° 22' 23.4''			W	I		04-Mar-15	274.6	3456.4	V		
321617109220601	D-13-29 27ADC	625846	3725	32° 16' 17.4'' / 109° 22' 8.2''			U	U		04-Mar-15	147.9	3577.1	V		
321642109223201	D-13-29 27BAB	621324	3719	32° 16' 42.1'' / 109° 22' 37.8''	195	195	U	U		04-Mar-15	148.2	3570.8	V		
321559109222301	D-13-29 27DBC	625849	3742	32° 16' 4.8'' / 109° 22' 23.3''	700	700	W	I		04-Mar-15	289.2	3452.8	V		
321551109221401	D-13-29 27DCC	625850	3752	32° 15' 53'' / 109° 22' 21.8''	608	608	W	I		04-Mar-15	298.4	3453.6	V		
321551109220701	D-13-29 27DDC	625851	3748	32° 15' 52'' / 109° 22' 7.4''	1200	1200	W	I		04-Mar-15	285.3	3462.7	V		
321618109232401	D-13-29 28ACC		3748	32° 16' 18.2'' / 109° 23' 19.3''	540	540	U	U		04-Mar-15	300	3448	V		
321637109235401	D-13-29 28BBB		3738	32° 16' 43.3'' / 109° 23' 55.7''	660	660	U	U	Annually	04-Mar-15	167.9	3570.1	V		
321618109235401	D-13-29 28BCC2		3760	32° 16' 19.3'' / 109° 23' 54.8''			U	I		04-Mar-15	339.9	3420.1	V		
321947109162001	D-13-30 03CAA	622811	3555	32° 19' 47.5'' / 109° 16' 20.2''	1075	1075	W	S		03-Mar-15	53.2	3501.8	V		
321857109170101	D-13-30 09ACD2		3566	32° 18' 58.3'' / 109° 16' 59.6''	92	92	U	U	Annually	10-Mar-15	50.3	3515.7	V		
321739109144601	D-13-30 14DDD		3596	32° 17' 37.6'' / 109° 14' 41.4''	930	930	U	U		05-Mar-15	157.1	3438.9	V		
321830109165001	D-13-30 15BBB	622807	3569	32° 18' 29.1'' / 109° 16' 41.6''	975	975	W	S	Annually	10-Mar-15	62.9	3506.1	V	P	
321802109154601	D-13-30 15DAA	622806	3579	32° 18' 2.2'' / 109° 15' 42.3''	1100	1100	W	S		03-Mar-15	127.7	3451.3	V		
321829109184401	D-13-30 17BBB	615936	3570	32° 18' 28.9'' / 109° 18' 45.1''	93	93	W	S		10-Mar-15	76.5	3493.5	V		
321657109160901	D-13-30 22DBC1	620800	3589	32° 16' 58.3'' / 109° 16' 5.5''	113	113	W	I		03-Mar-15	69	3520	V		
321657109160101	D-13-30 22DBD		3588	32° 16' 58.2'' / 109° 15' 57.6''	156	156	W	H		03-Mar-15	67.9	3520.1	V		
321658109160101	D-13-30 22DCA		3589	32° 16' 57.5'' / 109° 16' 0.6''			W	I		03-Mar-15	68.5	3520.5	V		

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321647109160301	D-13-30 22DCD	620799	3594	32° 16' 45.8'' / 109° 16' 5.6''	118	118	W	I		03-Mar-15	73.3	3520.7	V		
321657109154801	D-13-30 22DDA	620804	3588	32° 16' 57.6'' / 109° 15' 48.2''	125	125	W	I		03-Mar-15	64.2	3523.8	V		
321731109140901	D-13-30 24BAA	624471	3594	32° 17' 31.6'' / 109° 14' 9.6''	142	142	U	U		25-Feb-15	57.6	3536.4	S		
321712109143101	D-13-30 24BCD	624469	3595	32° 17' 10.6'' / 109° 14' 25.2''	150	150	U	U		25-Feb-15	59.9	3535.1	S		
321657109141001	D-13-30 24CAD1	624462	3596	32° 16' 57.6'' / 109° 14' 10.3''	136	136	U	U		05-Mar-15	66.8	3529.2	S		
321648109142301	D-13-30 24CCD1	624464	3598	32° 16' 44'' / 109° 14' 26''	120	120	U	U	Annually	23-Feb-15			Z	Z	UTM-BEES
321706109140701	D-13-30 24DBB2	624461	3595	32° 17' 3.9'' / 109° 14' 1.8''	135	135	U	U		25-Feb-15	61.2	3533.8	S		
321658109135501	D-13-30 24DBD	624459	3597	32° 16' 57.7'' / 109° 13' 54.3''	136	136	U	U		25-Feb-15	60.7	3536.3	V		
321644109135501	D-13-30 24DCD	624458	3598	32° 16' 44.2'' / 109° 13' 54.2''	180	180	U	U		25-Feb-15	58.1	3539.9	S		
321633109141001	D-13-30 25BAD	628153	3603	32° 16' 33'' / 109° 14' 10''	121	121	W	I		25-Feb-15	68.3	3534.7	S		
321604109135401	D-13-30 25DBD	610640	3609	32° 16' 4.6'' / 109° 13' 55.5''	120	120	W	H		25-Feb-15	57.6	3551.4	S		
321632109150701	D-13-30 26ABC1		3595	32° 16' 32'' / 109° 15' 7''			W	I		03-Mar-15	62.2	3532.8	V		
321551109144501	D-13-30 26DDD	800351	3609	32° 15' 51.8'' / 109° 14' 44.8''	89	89	W	I		23-Feb-15	69.2	3539.8	V		
321526109155801	D-13-30 34ACD		3627	32° 15' 26.6'' / 109° 15' 58.2''			W	I		03-Mar-15	106.8	3520.2	V		
321513109155601	D-13-30 34DAC	620792	3634	32° 15' 14.8'' / 109° 15' 56.8''	190	190	W	I		03-Mar-15	112.6	3521.4	V		
321512109155801	D-13-30 34DBD	620791	3635	32° 15' 12.7'' / 109° 15' 58''	185	185	W	I		03-Mar-15	114.4	3520.6	V		
321459109161301	D-13-30 34DCC	620790	3650	32° 14' 59.2'' / 109° 16' 12.2''	190	190	W	I		23-Feb-15			Z	Z	NO MP ACCESS AT WELL.
321500109155701	D-13-30 34DDC	620798	3648	32° 14' 59.6'' / 109° 15' 55.4''	180	180	W	I		23-Feb-15	120.1	3527.9	V		
321459109154701	D-13-30 34DDD1	620797	3643	32° 14' 59.6'' / 109° 15' 47.2''	180	180	W	I		23-Feb-15			Z	Z	NO MP ACCESS AT WELL.
321459109154401	D-13-30 34DDD2	620796	3642	32° 14' 59.6'' / 109° 15' 47.5''	180	180	W	I		23-Feb-15	115.8	3526.2	V		
321513109154101	D-13-30 35CBC	620805	3631	32° 15' 13.4'' / 109° 15' 40.7''	185	185	U	U		03-Mar-15	106.2	3524.8	V		
321500109154001	D-13-30 35CCC		3639	32° 15' 0.4'' / 109° 15' 39.6''			W	H		03-Mar-15	111	3528	V		
321500109152501	D-13-30 35CDC	620794	3632	32° 15' 0'' / 109° 15' 27.5''	190	190	W	I		03-Mar-15	104.8	3527.2	V		
321500109151601	D-13-30 35CDD1		3631	32° 15' 0'' / 109° 15' 16.7''			W	I		03-Mar-15	100.7	3530.3	V		
321500109151301	D-13-30 35CDD2		3630	32° 15' 0.1'' / 109° 15' 12.5''			W	I		03-Mar-15	98.6	3531.4	V		
321524109134501	D-13-30 36ADD1		3615	32° 15' 24.6'' / 109° 13' 45.2''			W	I		24-Feb-15	58.6	3556.4	S		
321550109141801	D-13-30 36BAB	627868	3610	32° 15' 50.4'' / 109° 14' 18.3''			U	U		24-Feb-15	59.1	3550.9	S		
321525109143801	D-13-30 36BCC	627865	3615	32° 15' 25.8'' / 109° 14' 37''	200	200	U	U		24-Feb-15	70.6	3544.4	S		
321511109143701	D-13-30 36CCB	627880	3618	32° 15' 12.5'' / 109° 14' 36.5''			W	H		24-Feb-15	74.9	3543.1	S		
321503109143801	D-13-30 36CCC1	627866	3623	32° 15' 0'' / 109° 14' 37.8''	1835	1835	U	U		24-Feb-15			Z	Z	UTM-WELL CAPPED
321459109142401	D-13-30 36CDC	627879	3622	32° 15' 0'' / 109° 14' 19.8''	200	200	U	U		24-Feb-15	72.9	3549.1	S		
321519109133801	D-13-30 36DAA	627875	3616	32° 15' 20.7'' / 109° 13' 38.7''	100	100	U	U		24-Feb-15			Z	Z	UTM-MP BLOCKED

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321515109133801	D-13-30 36DAD	627876	3617	32° 15' 16.6'' / 109° 13' 39.2''	100	100	W	I		24-Feb-15	59	3558	S		
321523109135801	D-13-30 36DBA	627870	3615	32° 15' 23.9'' / 109° 13' 57''	165	165	U	U		24-Feb-15	60.1	3554.9	S		
321522109140801	D-13-30 36DBB	627869	3615	32° 15' 23'' / 109° 14' 8.9''			W	S		24-Feb-15	63.2	3551.8	S		
321511109133901	D-13-30 36DDA		3617	32° 15' 12'' / 109° 13' 38.7''	100	100	U	U		24-Feb-15	58.8	3558.2	S		
321503109133901	D-13-30 36DDD	627878	3618	32° 15' 4.2'' / 109° 13' 38.6''	100	100	U	U		25-Feb-15	73.3	3544.7	S		
321941109131201	D-13-31 06CAD2	622817	3622	32° 19' 40.5'' / 109° 13' 13.2''	600	600	W	S		04-Mar-15	98.9	3523.1	V		
321742109113601	D-13-31 17DDD	609789	3630	32° 17' 42.5'' / 109° 11' 35.9''	175	175	W	S		25-Feb-15	84.1	3545.9	S		
321809109125001	D-13-31 18ADD	622803	3593	32° 18' 8'' / 109° 12' 38.7''	86	86	U	U		25-Feb-15	52.8	3540.2	S		
321657109133601	D-13-31 19CBC2		3601	32° 16' 57.2'' / 109° 13' 36.7''			W	H		05-Mar-15	54.8	3546.2	S		
321721109115901	D-13-31 20ACA	621289	3612	32° 17' 25.7'' / 109° 11' 51.4''	900	900	U	U		25-Feb-15	192.4	3419.6	V		
321704109121101	D-13-31 20CAD		3610	32° 17' 3.5'' / 109° 12' 6.9''	840	840	W	I		26-Feb-15	53.9	3556.1	V		
321702109115501	D-13-31 20DBD		3610	32° 17' 1.6'' / 109° 11' 50.8''	640	640	W	S		25-Feb-15	192.1	3417.9	V		
321739109111201	D-13-31 21BAB	502659	3645	32° 17' 38.4'' / 109° 11' 15.4''	141	141	U	U		04-Mar-15	95.7	3549.3	S		
321649109112301	D-13-31 21CDC	620751	3625	32° 16' 48.7'' / 109° 11' 15.2''	580	580	W	H		26-Feb-15	219.5	3405.5	V		
321631109104201	D-13-31 28ADA	624237	3660	32° 16' 30.7'' / 109° 10' 38.3''	1210	1210	W	I		05-Mar-15	243.5	3416.5	V		
321624109103901	D-13-31 28ADD2	624236	3660	32° 16' 26.6'' / 109° 10' 38.2''	1100	1100	U	U		05-Mar-15	244.8	3415.2	V		
321624109103901	D-13-31 28ADD2	624236	3660	32° 16' 26.6'' / 109° 10' 38.2''	1100	1100	U	U		19-May-15	266.7	3393.3	V	S	WELL 200FT NORTH PUMPING
321618109110501	D-13-31 28CAA		3635	32° 16' 18.2'' / 109° 11' 5''			W	I		26-Feb-15	257.9	3377.1	V		
321645109113501	D-13-31 29AAA	613351	3610	32° 16' 45.7'' / 109° 11' 35.6''	800	800	U	U		05-Mar-15	200.8	3409.2	V		
321607109114101	D-13-31 29DDA	805565	3620	32° 16' 6.8'' / 109° 11' 35.7''	185	185	U	U	Annually	23-Feb-15	49.1	3570.9	V		
321633109133601	D-13-31 30BBC	608888	3610	32° 16' 31.5'' / 109° 13' 35.7''	140	140	U	U		05-Mar-15	57.4	3552.6	S		
321607109133501	D-13-31 30CBC2	543203	3611	32° 16' 6.7'' / 109° 13' 34.4''	1035	1035	W	P		04-Mar-15	162.8	3448.2	V		
321545109124201	D-13-31 31AAA		3604	32° 15' 45.4'' / 109° 12' 41.7''			U	U		26-Feb-15	37.8	3566.2	S		
321538109130801	D-13-31 31ACB		3613	32° 15' 38'' / 109° 13' 7.8''			U	U		26-Feb-15	61	3552	V		
321550109132401	D-13-31 31BBA	629443	3612	32° 15' 48.9'' / 109° 13' 23.8''	152	152	W	F		02-Mar-15	56.4	3555.6	S		
321501109131201	D-13-31 31CDD	503018	3620	32° 15' 2.6'' / 109° 13' 11.3''	100	100	W	I		27-Feb-15	55.2	3564.8	S		
321525109130701	D-13-31 31DBB1	628301	3615	32° 15' 24.7'' / 109° 13' 7.2''	150	150	U	U		27-Feb-15	56.1	3558.9	S		
321510109130401	D-13-31 31DCB		3618	32° 15' 10.9'' / 109° 13' 3.4''			U	U		27-Feb-15	51.9	3566.1	V		
321554109103001	D-13-31 33AAA	624234	3657	32° 15' 55'' / 109° 10' 34.3''	799	799	U	U		26-Feb-15	250.3	3406.7	V		
321551109104601	D-13-31 33AAB	624239	3645	32° 15' 53.2'' / 109° 10' 44.4''	700	700	W	H		05-Mar-15	124.1	3520.9	V		
321550109111101	D-13-31 33BAA2		3633	32° 15' 53.2'' / 109° 11' 7.8''			W	H		05-Mar-15	218.7	3414.3	V		
331533109112801	D-13-31 33BCC1		3623	32° 15' 33.8'' / 109° 11' 29''	115	115	U	U		05-Mar-15			V	Z	UTM - MP BLOCKED
321533109112701	D-13-31 33BCC2	623809	3623	32° 15' 33.8'' / 109° 11' 28.5''	700	700	W	I		05-Mar-15	118.2	3504.8	V		

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SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321516109105101	D-13-31 33DAD		3660	32° 15' 22.2'' / 109° 10' 33.8''			U	U		26-Feb-15	65.6	3594.4	V		
321518109103401	D-13-31 33DDA		3655	32° 15' 18.3'' / 109° 10' 34.1''			W	I		26-Feb-15	238.6	3416.4	V		
321541109100101	D-13-31 34BDA		3690	32° 15' 41.6'' / 109° 10' 2.5''	840	840	W	I		26-Feb-15	301.5	3388.5	V		
321535109101601	D-13-31 34BDC		3672	32° 15' 36.6'' / 109° 10' 17.1''			W	H		26-Feb-15	76.1	3595.9	S		
321513109100701	D-13-31 34CDA		3685	32° 15' 15.6'' / 109° 10' 2.5''	760	760	W	I		26-Feb-15	270.8	3414.2	V		
321327109322401	D-14-27 12DCC		4809	32° 13' 27'' / 109° 32' 24''			U	U		27-Feb-15			Z	Z	LOCKED GATES, NO ACCESS TO WELL.
321407109311801	D-14-28 07ABD	648584	4483	32° 14' 7'' / 109° 31' 18''			W	S		27-Feb-15			Z	Z	LOCKED GATES, NO ACCESS TO WELL.
321351109315701	D-14-28 07CBB		4642	32° 13' 51'' / 109° 31' 57''			W	S		27-Feb-15			Z	Z	LOCKED GATES, NO ACCESS TO WELL.
321410109292801	D-14-28 09ABC	648581	4115	32° 14' 9.4'' / 109° 29' 29.3''			W	S		25-Feb-15	9.5	4105.5	V		
321253109275501	D-14-28 14CBC	619332	4277	32° 12' 53.2'' / 109° 27' 53.9''	150	150	W	S		25-Feb-15			Z	Z	LOCKED GATE AND NO ROADS GOING TO WELL.
321224109260601	D-14-28 24ADB1	619329	4132	32° 12' 24'' / 109° 26' 6''	550	550	W	S		26-Feb-15	419.8	3712.2	V		
321220109260601	D-14-28 24ADB2		4132	32° 12' 20.5'' / 109° 26' 6.1''			W	S		25-Feb-15			Z	Z	MP BLOCKED NO ACCESS.
321051109282801	D-14-28 34BAA	642446	4715	32° 10' 51'' / 109° 28' 28''			W	S		26-Feb-15			Z	Z	GATE LOCKED NO ACCESS TO WELL.
321423109234801	D-14-29 04CCC	807895	3884	32° 14' 21'' / 109° 23' 49.6''	670	670	U	U		26-Feb-15	435.6	3448.4	V		
321328109244101	D-14-29 08CCD	628557	3978	32° 13' 28.9'' / 109° 24' 38.2''	1325	1325	W	H		26-Feb-15	518.7	3459.3	V		
321356109225101	D-14-29 09ADD		3916	32° 13' 55.2'' / 109° 22' 52.4''	1100	1100	U	U		26-Feb-15	439.4	3476.6	V		
321356109234401	D-14-29 09BCC		3919	32° 13' 54.4'' / 109° 23' 50.4''	765	765	U	U		26-Feb-15	466.2	3452.8	V		
321332109234701	D-14-29 09CCC	620664	3951	32° 13' 32'' / 109° 23' 47''			U	U		26-Feb-15			Z	D	DRY AT 388 FT.
321100109205801	D-14-29 26DDB2		4173	32° 11' 57.9'' / 109° 20' 59''			U	U		24-Feb-15			Z	O	OBSTRUCTION NO ACCESS.
321005109195101	D-14-29 36DDA	642454	4206	32° 10' 4.8'' / 109° 19' 50.5''			W	S		24-Feb-15	200.3	4005.7	V		
321452109161301	D-14-30 03BAD	628994	3660	32° 14' 52.4'' / 109° 16' 12.9''			U	U		25-Feb-15			Z	Z	OWNER DID NOT GIVE PERMISSION TO MEASURE WELL.
321407109161101	D-14-30 03DCC	628992	3697	32° 14' 7'' / 109° 16' 10.8''			W	H		25-Feb-15			Z	Z	OWNER DID NOT GIVE PERMISSION TO MEASURE WELL.
321315109194401	D-14-30 07CCC	609823	3871	32° 13' 15'' / 109° 19' 44''	300	300	W	S		24-Feb-15			Z	Z	NO MP ACCESS ANYMORE.
321354109135101	D-14-30 12ADB1		3645	32° 13' 54'' / 109° 13' 46''	1040	1040	U	U		24-Feb-15	83.4	3561.6	V		
321502109093301	D-14-31 03AAA		3711	32° 15' 3.3'' / 109° 9' 32.1''			W	I		26-Feb-15	297.5	3413.5	V		
321412109094701	D-14-31 03DCD	611803	3675	32° 14' 12'' / 109° 9' 47''	100	100	W	I		25-Feb-15	60.3	3614.7	V	V	
321503109104701	D-14-31 04AAB2	612276	3645	32° 15' 3.7'' / 109° 10' 47.3''	120	120	W	I		26-Feb-15			Z	Z	UTM - UTL
321445109103401	D-14-31 04ADD	541143	3652	32° 14' 41.4'' / 109° 13' 33.3''	760	600	W	I		24-Feb-15	238.9	3413.1	V		
321445109123601	D-14-31 05BCB		3622	32° 14' 46.1'' / 109° 12' 37.1''			U	U		24-Feb-15	52.3	3569.7	S		

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321316109123901	D-14-31 07DDD		3657	32° 13' 15.9'' / 109° 12' 43.1''	200	200	W	S		24-Feb-15	89.8	3567.2	V		
321355109120501	D-14-31 08ABC1		3632	32° 13' 59.8'' / 109° 12' 5.9''	800	800	W	H	Annually	24-Feb-15	58.4	3573.6	V		
321350109103301	D-14-31 09ADA1		3651	32° 13' 50'' / 109° 10' 33''	100	100	U	U		25-Feb-15	41.6	3609.4	V		
321350109103501	D-14-31 09ADD1	514657	3643	32° 13' 50'' / 109° 10' 35''	800	800	U	U		25-Feb-15	130.5	3512.5	V		
321410109094601	D-14-31 10ABA2	220279	3673	32° 14' 9.6'' / 109° 9' 46.5''	540	540	W	I		25-Feb-15	175.1	3497.9	V		
321345109093201	D-14-31 10ADD	220317	3678	32° 13' 45.4'' / 109° 9' 31.9''	815	815	W	I		25-Feb-15	191.2	3486.8	V		
321343109093601	D-14-31 10DAA1		3678	32° 13' 43'' / 109° 9' 31''	553	553	U	U		25-Feb-15	189.4	3488.6	V		
321344109094601	D-14-31 10DBA2	618477	3670	32° 13' 44'' / 109° 9' 46''	90	90	W	I		25-Feb-15	48.1	3621.9	V		
321318109092801	D-14-31 11CCC	622792	3675	32° 13' 18'' / 109° 9' 28''	94	94	U	U		25-Feb-15	41.1	3633.9	V		
321342109083401	D-14-31 11DAA	628905	3729	32° 13' 42'' / 109° 8' 27''			W	I		26-Feb-15	297.9	3431.1	V		
321341109080101	D-14-31 12CAA	805096	3765	32° 13' 43.3'' / 109° 7' 58.1''	800	800	U	U		26-Feb-15	323.2	3441.8	V		
321331109075901	D-14-31 12CDA	805097	3759	32° 13' 31.1'' / 109° 7' 57.5''	800	800	W	I		26-Feb-15	309.7	3449.3	V		
321247109075901	D-14-31 13CAA2	805098	3728	32° 12' 49.3'' / 109° 7' 56.9''	850	850	W	I		26-Feb-15			Z	O	OBSTRUCTED AT MEASURING POINT
321314109082801	D-14-31 14AAA	209615	3707	32° 13' 13.8'' / 109° 8' 28.1''	1115	1115	W	I		26-Feb-15	269	3438	V	V	
321317109084401	D-14-31 14ABA2	628903	3692	32° 13' 17.2'' / 109° 8' 43.3''	103	103	U	U		26-Feb-15	62.5	3629.5	V		
321315109090201	D-14-31 14BAA3	621598	3685	32° 13' 15'' / 109° 8' 59''	75	75	U	U		26-Feb-15	54	3631	V		
321248109090401	D-14-31 14CAA	612632	3676	32° 12' 48'' / 109° 8' 59''	75	75	U	U		26-Feb-15	39.4	3636.6	S		
321233109100401	D-14-31 15CDA	223743	3720	32° 12' 32.7'' / 109° 10' 4''			W	I		26-Feb-15	212.3	3507.7	V		
321228109100501	D-14-31 15CDD		3685	32° 12' 25.5'' / 109° 10' 2.8''	800	800	U	U		26-Feb-15	189.2	3495.8	V		
321227109110001	D-14-31 16DCC	615986	3679	32° 12' 27'' / 109° 10' 55''	2000	2000	W	S		26-Feb-15	167.1	3511.9	V		SUBSIDENCE EVIDENT IN IMMEDIATE AREA
321302109123601	D-14-31 17BCB		3666	32° 13' 2.2'' / 109° 12' 35.5''			U	U		24-Feb-15	70.9	3595.1	V		
321210109132001	D-14-31 19BAC	615982	3713	32° 12' 10.4'' / 109° 13' 20.6''	1140	1140	W	S	Annually	24-Feb-15	84.8	3628.2	S		
321212109123101	D-14-31 20BBC1	607133	3699	32° 12' 10.2'' / 109° 12' 35.1''	200	200	U	U		24-Feb-15	96.2	3602.8	V		
321200109094501	D-14-31 22ADC	612633	3693	32° 11' 58'' / 109° 9' 44.4''	800	800	W	I	Annually	26-Feb-15	210.4	3482.6	V	K	
321132109101501	D-14-31 22CDC		3711	32° 11' 32.3'' / 109° 10' 14.7''			W	I		26-Feb-15	236.7	3474.3	V		
321132109093801	D-14-31 22DDC2		3709	32° 11' 32.4'' / 109° 9' 37.6''			W	I		26-Feb-15	226.9	3482.1	V		
321159109085801	D-14-31 23BDD		3693	32° 11' 58.6'' / 109° 8' 58''			W	I		27-Feb-15	204	3489	V	K	
321159109085801	D-14-31 23BDD		3693	32° 11' 58.6'' / 109° 8' 58''			W	I		19-May-15	217	3476	V	K	LOCAL PUMPING IN AREA
321136109091201	D-14-31 23CCD	625376	3703	32° 11' 32.3'' / 109° 9' 12.6''	744	744	U	U		27-Feb-15	149.2	3553.8	V		
321223109073001	D-14-31 24AAA		3720	32° 12' 24.9'' / 109° 7' 25.2''	660	660	W	I		04-Mar-15	261.2	3458.8	V		
321132109075501	D-14-31 24DCC	613344	3704	32° 11' 33.4'' / 109° 7' 53.8''	750	100	W	H		25-Feb-15	48.8	3655.2	V		
321109109081601	D-14-31 25BDC		3724	32° 11' 7'' / 109° 8' 10.2''	700	700	W	I		03-Mar-15	257.2	3466.8	V	V	
321106109075301	D-14-31 25DBB	624187	3725	32° 11' 5.4'' / 109° 7' 54.4''			U	U		03-Mar-15	73.7	3651.3	V		
321109109085501	D-14-31 26ACC	202908	3729	32° 11' 6.7'' / 109° 8' 56.2''	850	850	W	I		27-Feb-15	256	3473	V	V	
321041109085501	D-14-31 26DCC		3746	32° 10' 41.2'' / 109° 8' 54.9''			W	I		27-Feb-15	194.8	3551.2	V		
321106109100001	D-14-31 27BDD	915550	3732	32° 11' 5.9'' / 109° 10' 0.5''			W	I		03-Mar-15	239.4	3492.6	V		
321056109103001	D-14-31 27CBC	222642	3741	32° 10' 56.5'' / 109° 10' 29.7''			W	I		03-Mar-15	236.2	3504.8	V		
321041109095601	D-14-31 27DCC		3753	32° 10' 40.3'' / 109° 9' 57.2''			U	U		03-Mar-15	98.3	3654.7	V		
321040109094501	D-14-31 27DCD2		3752	32° 10' 40.2'' / 109° 9' 45.1''			W	I		03-Mar-15	255.2	3496.8	V		
321040109093701	D-14-31 27DDC	86715	3752	32° 10' 40.2'' / 109° 9' 34.7''	120	120	U	U		03-Mar-15	94.1	3657.9	V		
321016109095601	D-14-31 34ACC		3774	32° 10' 14.2'' / 109° 9' 58.6''	1000	1000	W	I	Annually	03-Mar-15	239.6	3534.4	V		
321026109084001	D-14-31 35AAC		3758	32° 10' 26.8'' / 109° 8' 41.9''			W	I		03-Mar-15	262.4	3495.6	V		

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321016109094501	D-14-31 35BCC		3772	32° 10' 12.8'' / 109° 9' 27.5''	800	800	W	I	Annually	03-Mar-15	283.9	3488.1	V		
320949109092701	D-14-31 35CCC	616713	3793	32° 9' 47.6'' / 109° 9' 26.9''	900	900	U	U		03-Mar-15	178.5	3614.5	V		
320949109073701	D-14-31 36DDC	615991	3793	32° 9' 48.5'' / 109° 7' 37.6''	1004	1004	W	I		03-Mar-15	178.3	3614.7	V		
321341109025601	D-14-32 11CAB		4079	32° 13' 42.3'' / 109° 2' 56.1''			W	S		05-Mar-15	171.7	3907.3	V		
321210109062501	D-14-32 19ADA	626391	3762	32° 12' 12.7'' / 109° 6' 23.3''			W	I		04-Mar-15	302.1	3459.9	V		
321215109065401	D-14-32 19BAD		3732	32° 12' 14.6'' / 109° 6' 54.5''			W	I		04-Mar-15	274.2	3457.8	V		
321142109063601	D-14-32 19DDB	626394	3740	32° 11' 45.2'' / 109° 6' 38.3''	595	595	U	U		04-Mar-15	197.4	3542.6	V		
321053109071801	D-14-32 30CCB	613339	3730	32° 10' 53.6'' / 109° 7' 18.3''	741	741	W	I	Annually	04-Mar-15	252.8	3477.2	V	K	
321014109072201	D-14-32 31BCC	629639	3765	32° 10' 15'' / 109° 7' 23.1''	800	800	W	I		04-Mar-15	261	3504	V	K	
320950109071901	D-14-32 31CCC	624191	3789	32° 9' 47.9'' / 109° 7' 16.2''	1046	1046	W	I		04-Mar-15	281.3	3507.7	V		
320948109061201	D-14-32 32CCD	616051	3759	32° 9' 49'' / 109° 6' 7.5''	800	800	U	U		04-Mar-15	81.2	3677.8	V	S	
320953109281701	D-15-28 03ABA	642450	4992	32° 9' 53'' / 109° 28' 17''			W	S		26-Feb-15			Z	Z	LOCKED GATE NO ACCESS TO WELL.
320852109280501	D-15-28 10ADB	642449	5045	32° 8' 51.4'' / 109° 28' 4.4''			W	S		26-Feb-15			Z	Z	RUSTED BOLT IN MP THAT COULD NOT BE REMOVED.
320907109214401	D-15-29 02CCC	616046	4478	32° 9' 7.1'' / 109° 21' 43.9''			W	S		24-Feb-15			Z	O	OBSTRUCTION AT THE MP.
320922109224801	D-15-29 03CBC	616044	4415	32° 9' 20.8'' / 109° 22' 47''	60	60	W	S		27-Feb-15			Z	Z	MP WAS WELDED SHUT.
320951109230401	D-15-29 04AAC	642452	4340	32° 9' 49.4'' / 109° 23' 3.9''			W	S		26-Feb-15	75.9	4264.1	V		
320947109253401	D-15-29 06BAC	642448	4568	32° 9' 48.2'' / 109° 25' 34''			W	S		26-Feb-15	64.4	4503.6	V		
320823109221001	D-15-29 10DCA	616045	4598	32° 8' 23'' / 109° 22' 10''	40	40	W	S		24-Feb-15	22.2	4575.8	V		
320755109220901	D-15-29 15AC UNSURV	642724	4678	32° 7' 54.8'' / 109° 22' 9.3''			W	H		24-Feb-15	13.5	4664.5	V		
320822109191401	D-15-30 07DBB	642451	4870	32° 8' 20.8'' / 109° 19' 13.9''			W	S		24-Feb-15	59.1	4810.9	V		
320737109174401	D-15-30 17ADD UNSURV	616047	4519	32° 7' 38.2'' / 109° 17' 43.4''	120	120	W	S		25-Feb-15	92.2	4426.8	V		
320520109153301	D-15-30 35BBB		4602	32° 5' 20'' / 109° 15' 33''			U	U		27-Feb-15	36.5	4565.5	V		
320947109075701	D-15-31 01BAA		3793	32° 9' 45.7'' / 109° 7' 56.8''			U	U		03-Mar-15	103.5	3689.5	V	S	
320855109075301	D-15-31 01DCC	616714	3838	32° 8' 55.3'' / 109° 7' 53.4''	900	900	U	U		03-Mar-15	231.7	3606.3	V		
320805109090001	D-15-31 11CDD	605287	3907	32° 8' 1.5'' / 109° 9' 1.1''	700	700	U	U		10-Mar-15	249.7	3657.3	V	S	
320805109085001	D-15-31 11DCC	605286	3904	32° 8' 1'' / 109° 8' 53''	750	750	U	U	Annually	13-Mar-15	284.6	3619.4	V		
320735109085301	D-15-31 14ACC	616709	3931	32° 7' 36'' / 109° 8' 52.9''	800	800	W	I		13-Mar-15	284.2	3646.8	V		
320737109090301	D-15-31 14BDC	616710	3935	32° 7' 37.3'' / 109° 9' 10.1''	1003	1003	U	U		03-Mar-15	291.4	3643.6	V		
320709109090701	D-15-31 14CDC		3968	32° 7' 9'' / 109° 9' 7''			U	U		10-Mar-15	307.2	3660.8	V		
320712109092401	D-15-31 15DDD		3972	32° 7' 8.5'' / 109° 9' 27.4''	604	604	W	I		10-Mar-15			V	O	UTM-OBS @ 199.5
320638109130001	D-15-31 19DBB	616048	4125	32° 6' 40.9'' / 109° 12' 57.9''	400	400	W	S		10-Mar-15			V	D	UTM-DRY @ 417.1
320923109062101	D-15-32 05BCC		3787	32° 9' 22.7'' / 109° 6' 21.3''			U	U		04-Mar-15	290	3497	V	K	AND NEARBY PUMPING
320923109065101	D-15-32 06ACC	611298	3798	32° 9' 21.1'' / 109° 6' 52.1''	1145	1145	W	I		04-Mar-15	285.5	3512.5	V	K	
320923109072101	D-15-32 06BCC	611300	3815	32° 9' 21.3'' / 109° 7' 21.5''	1145	1145	W	I		04-Mar-15	282	3533	V	V	
320003109134201	D-16-30 25DDD	623425	4871	32° 0' 3'' / 109° 13' 17''	150	150	W	S		11-Mar-15	85.9	4785.1	V		
320316109103801	D-16-31 09ACB	616118	4307	32° 3' 15.9'' / 109° 10' 38.4''			U	U	Annually	10-Mar-15	591.1	3715.9	V		
320027109113901	D-16-31 29ACC	647868	4673	32° 0' 26.8'' / 109° 11' 40.2''	189	189	W	S		10-Mar-15	143.6	4529.4	V		
320013109124701	D-16-31 30CDA	649090	4780	32° 0' 12.9'' / 109° 12' 47.9''			W	S		10-Mar-15	57.5	4722.5	V		
320016109122601	D-16-31 30DBD		4768	32° 0' 15.8'' / 109° 12' 25.5''			W	U		19-May-15	153	4615	V		
320016109122601	D-16-31 30DBD		4768	32° 0' 15.8'' / 109° 12' 25.5''			W	U		11-Mar-15	155.5	4612.5	V		
315907109105301	D-16-31 33CCD	623424	4656	31° 59' 7.1'' / 109° 10' 53.2''			W	S		11-Mar-15	31.9	4624.1	V		
320235109035601	D-16-32 10CDC	616121	3975	32° 2' 33.6'' / 109° 3' 55.4''	480	480	U	U		10-Mar-15	129.6	3845.4	V		

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SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320123109053901	D-16-32 20ACD	631760	4097	32° 1' 22'' / 109° 5' 35.2''	600	600	W	S		11-Mar-15	222.6	3874.4	V		
320050109061201	D-16-32 20CCC	630369	4150	32° 0' 49.2'' / 109° 6' 13.3''	840	840	U	U		11-Mar-15	262.8	3887.2	V		
320102109044801	D-16-32 21CAD	602853	4065	32° 1' 3.1'' / 109° 4' 48.8''	550	550	W	I		10-Mar-15	189.4	3875.6	V		
320051109050601	D-16-32 21CCB		4088	32° 0' 55.2'' / 109° 5' 11.8''	340	340	U	U	Annually	10-Mar-15	210.2	3877.8	V		
320012109035201	D-16-32 27CDB	610892	4051	32° 0' 9.5'' / 109° 3' 55.1''	300	300	W	I		11-Mar-15	161.4	3889.6	V		
320006109032101	D-16-32 27DAC	610891	4037	32° 0' 10.1'' / 109° 3' 24.7''	300	300	W	I		11-Mar-15	142.8	3894.2	V		
320047109041201	D-16-32 28AAA	624395	4048	32° 0' 48.1'' / 109° 4' 18.2''	500	500	W	I		12-Mar-15	165.5	3882.5	V		
320028109044001	D-16-32 28ACC	624393	4074	32° 0' 26.4'' / 109° 4' 41.2''			W	I		12-Mar-15	181.5	3892.5	V		
320029109051101	D-16-32 28BCB	624392	4097	32° 0' 29.8'' / 109° 5' 11.8''			W	I		11-Mar-15	213.7	3883.3	V		PUMPING YESTERDAY
320005109051101	D-16-32 28CCB		4106	32° 0' 7.3'' / 109° 5' 11.9''	340	340	W	I		10-Mar-15	219	3887	V	S	
315958109051101	D-16-32 28CCC		4115	31° 59' 59.4'' / 109° 5' 11.4''			U	U		04-Mar-15	217.3	3897.7	V		
320002109044201	D-16-32 28CDA		4084	32° 0' 3.5'' / 109° 4' 43.3''			W	I		10-Mar-15	195.5	3888.5	V		
315927109060001	D-16-32 32BCD	616126	4176	31° 59' 30.6'' / 109° 5' 59.2''	840	840	U	U		04-Mar-15			V	O	OBSTRUCTED AT 261
315904109035601	D-16-32 34CCD	623417	4109	31° 59' 4.6'' / 109° 3' 55.6''	570	570	U	U		10-Mar-15	195.9	3913.1	V		
315835109121001	D-17-31 05CBB	623423	4985	31° 58' 38'' / 109° 12' 10''			W	H		25-Feb-15	91.7	4893.3	V		
315745109123701	D-17-31 07DBB	806420	5120	31° 57' 45'' / 109° 12' 37''	60	60	W	S		25-Feb-15	28.9	5091.1	S		
315707109125001	D-17-31 18BDB		5245	31° 57' 6.9'' / 109° 12' 49.8''			W	H		25-Feb-15	11.96	5233.04	S		
315619109130101	D-17-31 19BBD		5400	31° 56' 20.1'' / 109° 13' 1.3''			U	U		25-Feb-15	10.8	5389.2	S		
315613109130401	D-17-31 19BCB		5440	31° 56' 13.2'' / 109° 13' 3.2''			U	U		25-Feb-15	64.88	5375.12	S		
315546109131101	D-17-31 19CCB	602721	5540	31° 55' 47.5'' / 109° 13' 8.6''	104	104	W	H		25-Feb-15			Z		UTM - WELL CAPPED, NO ACCESS
315557109075701	D-17-31 24CAB	608728	4620	31° 55' 57'' / 109° 7' 57''	665	665	W	H		03-Mar-15	439.8	4180.2	V		
315528109074201	D-17-31 25ABB	622859	4660	31° 55' 28'' / 109° 7' 42''	220	220	W	S		03-Mar-15	39.7	4620.3	V		
315512109093701	D-17-31 27ACC	602720	4952	31° 55' 11.4'' / 109° 9' 37.9''	500	500	W	S		03-Mar-15	177.1	4774.9	V		
315853109032401	D-17-32 03AAC1	623439	4095	31° 58' 53.6'' / 109° 3' 24.4''	350	350	T	U		10-Mar-15	178.7	3916.3	V		
315825109032501	D-17-32 03DAC		4119	31° 58' 25.9'' / 109° 3' 24.7''			W	I		10-Mar-15	190.6	3928.4	V		
315515109040901	D-17-32 27BCB	629454	4297	31° 55' 14.7'' / 109° 4' 9.4''			W	H		10-Mar-15	332.1	3964.9	V		
315901109062301	D-17-32N06AAB	621601	4215	31° 59' 1'' / 109° 6' 23''	300	300	U	U	Annually	04-Mar-15			Z		UTM - NO ACCESS, NEEDS TO BE TAPPED
315237109034201	D-18-32 10BDA	620637	4182	31° 52' 36.6'' / 109° 3' 41.5''	350	350	W	H		10-Mar-15	217.7	3964.3	V		
314949109040001	D-18-32 27CBA	605458	4142	31° 49' 49.9'' / 109° 3' 59.1''			U	U	Annually	04-Mar-15	94.8	4047.2	V		
314849109031801	D-18-32 34DAD	623071	4150	31° 48' 50.2'' / 109° 3' 16.5''	500	500	W	I		03-Mar-15	122.1	4027.9	V		
314852109033701	D-18-32 34DBB	623067	4146	31° 48' 53.9'' / 109° 3' 36.9''	600	600	W	I		03-Mar-15	109.9	4036.1	V		
314850109032901	D-18-32 34DBD	623066	4146	31° 48' 50.3'' / 109° 3' 28.6''	500	500	W	I		03-Mar-15	104.5	4041.5	V		
314854109025601	D-18-32 35CBA		4153	31° 48' 51.8'' / 109° 3' 0''	296	296	W	I	Annually	03-Mar-15	124.1	4028.9	V		
314653109041801	D-19-32 16AAD	620655	4221	31° 46' 53.6'' / 109° 4' 18.8''			W	S		03-Mar-15	168.3	4052.7	V		
314629109071501	D-19-32 18CBC	620657	4527	31° 46' 29.9'' / 109° 7' 16.1''	275	275	W	S		03-Mar-15	198.5	4328.5	V		
314545109032201	D-19-32 22ADC		4209	31° 45' 45'' / 109° 3' 22''			W	S		03-Mar-15			Z		UTM - GATE LOCKED
314454109035701	D-19-32 27BDC		4225	31° 44' 53.1'' / 109° 3' 58''			W	H		03-Mar-15			Z	Z	WELL WAS IN SMALL SHELTER WITH NO WAY INTO MEASURE.
314428109051001	D-19-32 28CCC	605460	4241	31° 44' 28.1'' / 109° 5' 9.4''	510	510	W	I		03-Mar-15			Z	Z	NO MP ACCESS ON TURBINE.
314431109045501	D-19-32 28CDC	605459	4238	31° 44' 27.8'' / 109° 4' 52''	535	535	W	I		04-Mar-15	199.7	4038.3	V		
314426109044001	D-19-32 28DCD	605461	4236	31° 44' 28.4'' / 109° 4' 34.4''	604	604	W	I		10-Mar-15			Z	O	OBSTRUCTION AT 175 FT.
314453109052801	D-19-32 29ADC	519388	4265	31° 44' 53.3'' / 109° 5' 27.9''	600	600	W	H		04-Mar-15	225.1	4039.9	V		
314507109055801	D-19-32 29BDB	646297	4306	31° 45' 7.1'' / 109° 6' 0.6''	365	365	U	U		03-Mar-15			Z		UTM - NO TRESSPASSING, NO ONE HOME

Appendix 6. San Simon Valley Sub-basin initial dataset water level measurements water year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE[1]	WATER USE[2]	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD[3]	REMARK[4]	COMMENT
314335109061601	D-19-32 31DDD	601902	4270	31° 43' 36.8'' / 109° 6' 16.6''	225	225	W	H		03-Mar-15			Z	O	THERE WAS NO MP TO MEASURE FROM.
314348109041301	D-19-32 33DAD	87403	4262	31° 43' 47.7'' / 109° 4' 13.2''	418	418	U	U		04-Mar-15	235.6	4026.4	V		
314336109041301	D-19-32 33DDD	620644	4271	31° 43' 36'' / 109° 4' 13.5''	480	480	W	S		04-Mar-15			Z	Z	MP IS BLOCKED ON WELL.
314358109025701	D-19-32 35CBA	511868	4301	31° 43' 56.1'' / 109° 2' 56.5''	400	400	W	S		04-Mar-15	296.6	4004.4	V		
314319109134601	D-20-30 01ACA		5320	31° 43' 18.9'' / 109° 13' 45.6''			W	H		26-Feb-15			Z	P	UTM - PUMPING
314148109134701	D-20-30 13ABA	519947	5110	31° 41' 48.1'' / 109° 13' 46.7''	1372	1372	W	H		25-Feb-15			V	O	UTM- OBS. @ 887FT
314147109134701	D-20-30 13ABA	508272	5110	31° 41' 47.9'' / 109° 13' 46.6''	600	600	W	H		25-Feb-15			V	O	UTM-OBS. @ 19 FT
314037109190001	D-20-30 19ACD	630125	5240	31° 40' 36.3'' / 109° 19' 1''	150	150	W	S		24-Feb-15	29.7	5210.3	V	R	
314022109185901	D-20-30 19DBD	630129	5240	31° 40' 23'' / 109° 18' 57.6''	152	152	U	U		24-Feb-15	74.3	5165.7	V	P	
313852109180801	D-20-30 32ACC	630130	5060	31° 38' 49.6'' / 109° 18' 7.4''	202	202	W	H		24-Feb-15	179.1	4880.9	V		
313848109141301	D-20-30 36BDC	648082	4782	31° 38' 48'' / 109° 14' 13''	800	800	W	H		10-Mar-15	745.5	4036.5	V		
314127109073301	D-20-31 13ADD		4350	31° 41' 25.5'' / 109° 7' 21.5''			W	S		10-Mar-15			Z	Z	OWNER DID NOT WANT STATIC WELL MEASUREMENT TAKEN.
314134109132801	D-20-31 18BCB	513208	5090	31° 41' 34.3'' / 109° 13' 29.3''	198	198	W	H		26-Feb-15	60.3	5029.7	V		
314020109073801	D-20-31 24DBD	628681	4379	31° 40' 20.5'' / 109° 7' 36.3''	750	750	W	S		03-Mar-15	336.3	4042.7	V		
313823109114901	D-20-31 32DCD	607756	4650	31° 38' 20.3'' / 109° 11' 51.3''	20	20	U	U		25-Feb-15	2.19	4647.81	S		
314329109040901	D-20-32 03BBB	510735	4280	31° 43' 27.1'' / 109° 4' 7.9''	400	400	W	H		04-Mar-15	253.1	4026.9	V		
314312109041401	D-20-32 04ADD		4288	31° 43' 12.8'' / 109° 4' 13.7''			U	U		10-Mar-15			V	D	DRY AT 220 FT.
314311109054201	D-20-32 05ACC	628927	4282	31° 43' 9.5'' / 109° 5' 44.3''	400	400	W	S		05-Mar-15			Z	Z	UTM - LOCKED GATE NO ACCESS TO WELL.
314216109061201	D-20-32 08BCD	628929	4306	31° 42' 16.6'' / 109° 6' 7''	460	460	W	I		06-Mar-15	282.1	4023.9	V	K	
314238109050701	D-20-32 09BBB	602723	4297	31° 42' 39.2'' / 109° 5' 7''	225	225	W	S	Annually	05-Mar-15			Z	O	
314057109041201	D-20-32 22BBB	620643	4425	31° 40' 55.8'' / 109° 4' 10.7''	510	510	W	S		05-Mar-15			Z	O	OBSTRUCTION AT 300 FT.
313758109104401	D-21-31 03BCD1	642410	4570	31° 37' 58.1'' / 109° 10' 44.3''			U	U		10-Mar-15	553.3	4016.7	V		
313737109121701	D-21-31 05DCA		4650	31° 37' 37.1'' / 109° 12' 17.3''			U	U		25-Feb-15	49.3	4600.7	V		
313757109130901	D-21-31 06ADD	630193	4702	31° 37' 55.3'' / 109° 13' 8.6''	750	750	W	S		25-Feb-15	678.8	4023.2	V	P	
313803109390901	D-21-32 03ACB	616391	4622	31° 37' 58.4'' / 109° 4' 18.4''	690	690	W	S		05-Mar-15			Z	Z	MP WAS BLOCKED NO ACCESS.
313547109041301	D-21-32 15DCB	628688	4655	31° 35' 46.8'' / 109° 4' 13.2''	100	100	W	H		05-Mar-15	9.7	4645.3	V		
313542109041501	D-21-32 15DCC	628682	4690	31° 35' 44.7'' / 109° 4' 16.3''	420	420	W	H		3/5/2015			Z	Z	UTM - NO ACCESS
313228109074701	D-22-32 06CCA	616411	4780	31° 32' 28.7'' / 109° 7' 47.7''	1000	1000	W	S		3/5/2015			Z	Z	UTM - ROAD IMPASSABLE

1. T = Test, U = Unused, W = Withdrawal
2. F = Fire, H = Domestic, I = Irrigation, N = Industrial, P = Public Supply, S = Stock, U = Unused
3. O = Observed, S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape, VT = A.D.W.R calibrated electric tape, Z = Other (explain in comments)
4. D = Dry, K = Cascading Water, O = Obstruction, P = Pumping, R = Recently Pumped, S = Nearby Pumping, V = Foreign Material (oil), X = Surface Water Effects, Z = Other

Appendix 7

San Simon Valley Sub-basin groundwater level change data for each comparable water level measurement.

Appendix 7. San Simon Valley Sub-basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
321334109004401	24S 21W 09 334B	4282	07-Feb-07	77.6	4204.4		V		05-Mar-15	85	4197		V		-7.4
320528109004001	25S 21W 33 114	4170	07-Feb-07	309.5	3860.5		V		12-Mar-15	313.4	3856.6		V		-3.9
320122109013801	26S 21W 30 122B	3937	09-Feb-07	50.1	3886.9		V		11-Mar-15	56.5	3880.5		V		-6.4
320007109011601	26S 21W 31 243	3971	09-Feb-07	95.1	3875.9		S		11-Mar-15	97.7	3873.3		V		-2.6
320415109023701	26S 22W 01 413	3874	07-Feb-07	33.7	3840.3		V		12-Mar-15	35	3839		V		-1.3
320339109021601	26S 22W 12 223	3892	07-Feb-07	74.1	3817.9		V		12-Mar-15	40.7	3851.3	X	V	OWNER REPORTS FLOOD ACTIVITY IN PAST 6 MONTHS	33.4
315836109011501	27S 21W 07 232A	4019	14-Mar-07	127.5	3891.5		V		04-Mar-15	133.4	3885.6		V		-5.9
315533109002801	27S 21W 29 422	4058	14-Mar-07	87.3	3970.7		V		10-Mar-15	87.9	3970.1		V		-0.6
315532109013101	27S 21W 30 413	4101	14-Mar-07	137.2	3963.8		V		10-Mar-15	142.1	3958.9		V		-4.9
315846109011601	27S 21W S06 443	4001	14-Mar-07	120.8	3880.2		V		04-Mar-15	126.4	3874.6		V		-5.6
315908109025301	27S 22W S01 134	4062	13-Mar-07	146	3916		V		04-Mar-15	148.2	3913.8		V		-2.2
315858109025301	27S 22W S01 314	4061	13-Mar-07	150.2	3910.8		V		04-Mar-15	150.3	3910.7		V		-0.1
315344109002901	28S 21W 05 413	4073	08-Feb-07	101.6	3971.4	P	V		10-Mar-15	107.1	3965.9		V		-5.5
323905109195901	D-09-29 13BDC	3710	06-Feb-07	236	3474	Z	V		11-Mar-15	247.7	3462.3		V		-11.7
323817109173201	D-09-30 20ACA	3660	06-Feb-07	190.7	3469.3		V		11-Mar-15	190.8	3469.2		V		-0.1
323259109234501	D-10-29 20ACD	3639	06-Feb-07	207.6	3431.4		V		12-Mar-15	216.9	3422.1		V		-9.3
322753109401501	D-11-26 23BCC	4463	29-Jan-07	436.8	4026.2		V		23-Feb-15	438.2	4024.8		V		-1.4
322540109421001	D-11-26 33CCD	4649	08-Feb-07	450.4	4198.6		V		23-Feb-15	457.7	4191.3		V		-7.3
322716109291801	D-11-28 28ABA1	3542	13-Mar-07	133.3	3408.7		V		25-Feb-15	133	3409		V		0.3
322716109291901	D-11-28 28ABA2	3542	13-Mar-07	130.9	3411.1		V		25-Feb-15	127.2	3414.8		V		3.7
322817109163801	D-11-30 15CCB	3630	14-Mar-07	153.6	3476.4		V		26-Feb-15	165.3	3464.7		V		-11.7
322545109194001	D-11-30 31CCA	3473	14-Mar-07	27	3446		V		26-Feb-15	39.4	3433.6		V		-12.4
322510109385601	D-12-26 01CAB	4237	29-Jan-07	74.6	4162.4		V		23-Feb-15	81.3	4155.7		S		-6.7
322342109442101	D-12-26 18BBC	4634	08-Feb-07	131.3	4502.7		V		23-Feb-15	132.6	4501.4		S		-1.3
322336109331901	D-12-27 14ADB	3795	07-Feb-07	432	3363		V		24-Feb-15	424.9	3370.1		V		7.1
322303109363501	D-12-27 17DCC	4043	09-Feb-07	355.9	3687.1		V		11-Mar-15	372.1	3670.9	K	V		-16.2
322110109362701	D-12-27 32AAB1	3979	06-Feb-07	130.3	3848.7		V		10-Mar-15	132.1	3846.9		V		-1.8
322334109285801	D-12-28 15BCB	3684	13-Mar-07	321.1	3362.9		V		25-Feb-15	355.6	3328.4		V		-34.5
322333109290101	D-12-28 15BCC	3680	13-Mar-07	267.4	3412.6	K	V		25-Feb-15	272.5	3407.5		V		-5.1
322302109282801	D-12-28 15DCC	3669	13-Mar-07	80.2	3588.8		V		24-Feb-15	88.4	3580.6		V		-8.2
322334109292901	D-12-28 16ACB	3697	13-Mar-07	331.9	3365.1		V		24-Feb-15	345.5	3351.5		V		-13.6
322302109300001	D-12-28 16CCC	3721	07-Feb-07	347.4	3373.6	K	V		25-Feb-15	344.3	3376.7	K	V		3.1
322302109293101	D-12-28 16CDD	3703	13-Mar-07	359	3344		V		24-Feb-15	378.2	3324.8		V		-19.2
322222109301901	D-12-28 20DBD1	3749	30-Jan-07	324.7	3424.3	K	V		25-Feb-15	333.4	3415.6		V	CASCADING	-8.7
322225109302101	D-12-28 20DBD2	3749	30-Jan-07	411.5	3337.5		V		25-Feb-15	424.8	3324.2		V		-13.3
322210109284201	D-12-28 22CDC	3688	07-Feb-07	106.5	3581.5		V		23-Feb-15	118.9	3569.1		V		-12.4
322210109275701	D-12-28 23CCC	3668	07-Feb-07	319.7	3348.3		V		23-Feb-15	347.6	3320.4	K	V		-27.9
322116109262201	D-12-28 25DCC	3645	07-Feb-07	275.1	3369.9		V		23-Feb-15	285.5	3359.5	K	V		-10.4
322118109275701	D-12-28 26CCC	3681	07-Feb-07	310	3371		V		23-Feb-15	380.4	3300.6		V		-70.4
322116109274601	D-12-28 26CCD2	3681	07-Feb-07	353.3	3327.7		V		23-Feb-15	380.2	3300.8		V		-26.9
322116109285901	D-12-28 27CCC	3713	07-Feb-07	77.4	3635.6		V		24-Feb-15	85.4	3627.6		V		-8
322143109300001	D-12-28 28BCC	3750	30-Jan-07	380	3370		V		25-Feb-15	418	3332		V		-38
322118109295901	D-12-28 28CCC1	3747	07-Feb-07	142.6	3604.4	K	V		25-Feb-15	156.4	3590.6		V		-13.8
322117109295801	D-12-28 28CCC2	3747	12-Feb-07	413.9	3333.1		V		25-Feb-15	433.1	3313.9		V		-19.2
322103109292901	D-12-28 33ABC2	3735	07-Feb-07	406.2	3328.8		V		24-Feb-15	431.4	3303.6		V		-25.2
322102109290601	D-12-28 33ADA1	3722	07-Feb-07	85.9	3636.1		V		24-Feb-15	93.9	3628.1		S		-8
322101109290101	D-12-28 33ADA2	3722	06-Feb-07	86.2	3635.8		V		24-Feb-15	93.15	3628.85		S		-6.95
322049109295001	D-12-28 33BCD	3748	07-Feb-07	380.1	3367.9		V		24-Feb-15	399.6	3348.4	K	V		-19.5
322048109293001	D-12-28 33DBB	3745	07-Feb-07	98.6	3646.4		V		25-Feb-15	106.8	3638.2		V		-8.2
322101109285801	D-12-28 34BBC2	3717	07-Feb-07	84.4	3632.6		V		24-Feb-15	90.2	3626.8		V		-5.8
322106109285901	D-12-28 34BBC3	3715	07-Feb-07	79.3	3635.7		V		24-Feb-15	85.6	3629.4		V		-6.3
322101109285001	D-12-28 34BCA	3715	07-Feb-07	82.72	3632.28		S		24-Feb-15	86.4	3628.6		V		-3.68
322325109235101	D-12-29 16CBB	3562	06-Feb-07	119.2	3442.8		V		26-Feb-15	128.7	3433.3		V		-9.5
322115109200301	D-12-29 25DDC	3527	06-Feb-07	52	3475		V		11-Mar-15	51.2	3475.8		V		0.8

Appendix 7. San Simon Valley Sub-basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
322022109215001	D-12-29 35CCC	3568	06-Feb-07	102.8	3465.2		V		11-Mar-15	114.4	3453.6		V		-11.6
322519109141601	D-12-30 01BAD	3870	07-Feb-07	184.9	3685.1		V		02-Mar-15	199.7	3670.3		V		-14.8
322008109431201	D-13-26 05BCB	4362	05-Feb-07	84.8	4277.2		V		11-Mar-15	84.7	4277.3		V		0.1
321707109320901	D-13-27 24DDA	4041	06-Feb-07	98.2	3942.8		V		11-Mar-15	7.4	4033.6		V		90.8
321931109272501	D-13-28 02DCC	3704	08-Feb-07	370.2	3333.8		V		25-Feb-15	400.3	3303.7		V		-30.1
321931109265701	D-13-28 02DDD	3691	08-Feb-07	372.3	3318.7		V		25-Feb-15	401.9	3289.1	V	V		-29.6
322012109285801	D-13-28 03BBC	3742	31-Jan-07	424.7	3317.3		V		25-Feb-15	454.8	3287.2		V		-30.1
321905109300001	D-13-28 09BCC	3808	31-Jan-07	500.1	3307.9	V	V		11-Mar-15	530.6	3277.4		V		-30.5
321902109270001	D-13-28 11ADC	3705	30-Jan-07	227.6	3477.4		V		25-Feb-15	228.3	3476.7		V		-0.7
321855109272601	D-13-28 11DBC	3722	29-Jan-07	380.8	3341.2		V		25-Feb-15	385.5	3336.5		V		-4.7
321850109265701	D-13-28 12CBC	3718	29-Jan-07	374.4	3343.6		V		25-Feb-15	399.9	3318.1	R	V	ALSO CASCADING	-25.5
321854109261601	D-13-28 12DBD	3702	01-Feb-07	315.2	3386.8		V		25-Feb-15	346.2	3355.8	R	V		-31
321825109265601	D-13-28 13BCB	3732	29-Jan-07	386.1	3345.9		V		25-Feb-15	412.8	3319.2		V		-26.7
321813109265601	D-13-28 13BCC1	3738	29-Jan-07	201.6	3536.4		V		25-Feb-15	215.2	3522.8		V		-13.6
321812109265401	D-13-28 13BCC3	3738	29-Jan-07	108.7	3629.3		V		25-Feb-15	113.9	3624.1		V		-5.2
321812109264401	D-13-28 13BCD	3732.16	13-Dec-06	106.98	3625.18		V		09-Jan-15	112.45	3619.71		VT		-5.47
321804109265601	D-13-28 13CBB	3742	30-Jan-07	112.5	3629.5		V		26-Feb-15	118.7	3623.3		V		-6.2
321800109265701	D-13-28 13CBC	3747	29-Jan-07	394.7	3352.3		V		26-Feb-15	419.9	3327.1		V		-25.2
321746109265401	D-13-28 13CCC1	3757	30-Jan-07	118.5	3638.5		V		25-Feb-15	121.6	3635.4		V		-3.1
321749109262301	D-13-28 13DCC1	3745	30-Jan-07	381.7	3363.3		V		26-Feb-15	405.4	3339.6		V		-23.7
321746109261801	D-13-28 13DCC2	3745	30-Jan-07	117.6	3627.4		V		26-Feb-15	119.9	3625.1		V		-2.3
321746109271701	D-13-28 14DCD	3766	09-Feb-07	416.8	3349.2		V		26-Feb-15	443.1	3322.9		V		-26.3
321748109282601	D-13-28 15DCC	3798	09-Feb-07	480.3	3317.7		V		26-Feb-15	505.5	3292.5		V		-25.2
321748109292701	D-13-28 16DCC	3839	08-Feb-07	536.7	3302.3		V		26-Feb-15	562.7	3276.3		V		-26
321722109282801	D-13-28 22ACC	3815	08-Feb-07	489.6	3325.4		V		26-Feb-15	510.4	3304.6		V		-20.8
321721109286001	D-13-28 22BCC	3838	30-Jan-07	522	3316		V		26-Feb-15	544.6	3293.4		V		-22.6
321720109265701	D-13-28 23ADD	3779	08-Feb-07	420.1	3358.9		V		26-Feb-15	443.8	3335.2		V		-23.7
321721109274801	D-13-28 23BCC	3796	08-Feb-07	453.6	3342.4		V		26-Feb-15	477.5	3318.5		V		-23.9
321656109265601	D-13-28 24CCC2	3801	30-Jan-07	352	3449		V		26-Feb-15	348	3453	K	V		4
321603109310901	D-13-28 30DDD	4153	07-Feb-07	147.4	4005.6		V		11-Mar-15	136.9	4016.1		V		10.5
321559109311201	D-13-28 31AAA	4161	07-Feb-07	130.9	4030.1		V		11-Mar-15	131.5	4029.5		V		-0.6
321544109275601	D-13-28 35BCB	3696	08-Feb-07	481.9	3214.1		V		03-Mar-15	492.1	3203.9		V		-10.2
321931109255401	D-13-29 06CCC2	3672	08-Feb-07	329.8	3342.2		V		03-Mar-15	359.4	3312.6		V		-29.6
321931109251901	D-13-29 06DCC	3661	08-Feb-07	312.4	3348.6		V		03-Mar-15	332.8	3328.2		V		-20.4
321747109211301	D-13-29 14DCA	3629	08-Feb-07	88.7	3540.3		V		05-Mar-15	96.5	3532.5		V		-7.8
321743109205801	D-13-29 14DDA	3625	08-Feb-07	88.8	3536.2		V		05-Mar-15	96.1	3528.9		V		-7.3
321745109210501	D-13-29 14DDB	3627	08-Feb-07	87.8	3539.2		V		05-Mar-15	95.2	3531.8		V		-7.4
321704109245601	D-13-29 20BCC	3743	30-Jan-07	269.6	3473.4		V		03-Mar-15	365.5	3377.5		V	WELL IS NOW IN USE WITH DIESEL TURBINE PUMP; PREVIOUS BASIN SWEEPS WELL WAS UNUSED.	-95.9
321644109245601	D-13-29 20CCC1	3758	30-Jan-07	349.9	3408.1		V		03-Mar-15	361.8	3396.2		V		-11.9
321644109242901	D-13-29 20CDD	3751	30-Jan-07	327.4	3423.6		V		03-Mar-15	348.5	3402.5		V		-21.1
321644109235501	D-13-29 21CCC	3737	06-Feb-07	299.9	3437.1		V		04-Mar-15	321.7	3415.3		V		-21.8
321656109230301	D-13-29 21DAC1	3708	06-Feb-07	137.2	3570.8		V		04-Mar-15	141.7	3566.3		V		-4.5
321656109230601	D-13-29 21DAC2	3710	06-Feb-07	138	3572		V		04-Mar-15	142.6	3567.4		V		-4.6
321656109225701	D-13-29 21DAD2	3705	06-Feb-07	134.3	3570.7		V		04-Mar-15	138.7	3566.3		V		-4.4
321700109225201	D-13-29 22CBC	3700	05-Feb-07	239	3461		V		04-Mar-15	259.6	3440.4		V		-20.6
321649109225301	D-13-29 22CCB2	3708	05-Feb-07	136.3	3571.7		V		04-Mar-15	140.7	3567.3		V		-4.4
321646109225301	D-13-29 22CCC1	3715	06-Feb-07	256.9	3458.1		V		04-Mar-15	276.6	3438.4		V		-19.7
321647109225301	D-13-29 22CCC2	3710	05-Feb-07	138.5	3571.5		V		04-Mar-15	143	3567		V		-4.5
321644109225101	D-13-29 22CCC3	3715	06-Feb-07	142	3573		V		04-Mar-15	146.1	3568.9		V		-4.1
321644109225001	D-13-29 22CCC4	3715	06-Feb-07	141.1	3573.9		V		04-Mar-15	145.4	3569.6		V		-4.3
321702109215401	D-13-29 22DAD	3677	07-Feb-07	124.2	3552.8		V		04-Mar-15	130.1	3546.9		V		-5.9
321707109222301	D-13-29 22DBB2	3689	07-Feb-07	125.5	3563.5		V		04-Mar-15	130.1	3558.9		V		-4.6
321643109222301	D-13-29 22DCC	3711	07-Feb-07	138.8	3572.2		V		04-Mar-15	141.4	3569.6		V		-2.6

Appendix 7. San Simon Valley Sub-basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
321644109221401	D-13-29 22DCD	3704	07-Feb-07	135.9	3568.1		V		04-Mar-15	137.6	3566.4		V		-1.7
321734109212001	D-13-29 23ABB1	3641	07-Feb-07	97.8	3543.2		V		04-Mar-15	105.3	3535.7		V		-7.5
321729109212001	D-13-29 23ABC1	3644	07-Feb-07	101.7	3542.3		V		04-Mar-15	109.2	3534.8		V		-7.5
321726109212001	D-13-29 23ABC2	3645	07-Feb-07	103.9	3541.1		V		04-Mar-15	111	3534		V		-7.1
321733109212401	D-13-29 23BAA	3642	07-Feb-07	103.9	3538.1		V		04-Mar-15	111.3	3530.7		V		-7.4
321707109212201	D-13-29 23CAA1	3658	07-Feb-07	113	3545		V		04-Mar-15	119.7	3538.3		V		-6.7
321703109212301	D-13-29 23CAA2	3659	07-Feb-07	113.4	3545.6		V		04-Mar-15	120.1	3538.9		V		-6.7
321707109213201	D-13-29 23CAB	3664	07-Feb-07	114.7	3549.3		V		04-Mar-15	121.9	3542.1		V		-7.2
321707109213901	D-13-29 23CBA	3666	07-Feb-07	116.9	3549.1		V		04-Mar-15	124.7	3541.3		V		-7.8
321644109211001	D-13-29 23DCD	3675	07-Feb-07	130	3545		V		10-Mar-15	132	3543		V		-2
321644109210201	D-13-29 23DDC2	3672	07-Feb-07	128.4	3543.6		V		10-Mar-15	128.5	3543.5		V		-0.1
321644109205301	D-13-29 23DDD2	3670	07-Feb-07	128	3542		V		10-Mar-15	128.5	3541.5		V		-0.5
321730109200101	D-13-29 24AAB	3615	08-Feb-07	89	3526		V		05-Mar-15	94.1	3520.9		V		-5.1
321728109195001	D-13-29 24AAD	3615	08-Feb-07	92.9	3522.1		V		05-Mar-15	98.1	3516.9		V		-5.2
321732109200601	D-13-29 24ABA1	3615	08-Feb-07	85.3	3529.7		V		05-Mar-15	89.4	3525.6		V		-4.1
321731109200501	D-13-29 24ABA2	3615	08-Feb-07	86.7	3528.3		V		05-Mar-15	91.7	3523.3		V		-5
321707109203201	D-13-29 24CAB	3642	08-Feb-07	104.9	3537.1		V		10-Mar-15	110.1	3531.9		V		-5.2
321707109203901	D-13-29 24CBA1	3644	08-Feb-07	105	3539		V		10-Mar-15	110.3	3533.7		V		-5.3
321708109204101	D-13-29 24CBA2	3644	08-Feb-07	107.6	3536.4		V		10-Mar-15	112.9	3531.1		V		-5.3
321652109202801	D-13-29 24CDB	3652	08-Feb-07	112.6	3539.4		V		10-Mar-15	116.9	3535.1		V		-4.3
321645109202801	D-13-29 24CDD	3662	08-Feb-07	119.8	3542.2		V		10-Mar-15	122.6	3539.4		V		-2.8
321647109202101	D-13-29 24DCC1	3655	08-Feb-07	124.2	3530.8		V		05-Mar-15	141.5	3513.5		V		-17.3
321648109202001	D-13-29 24DCC2	3655	08-Feb-07	123.6	3531.4		V		05-Mar-15	136.7	3518.3		V		-13.1
321644109200501	D-13-29 24DDC	3652	08-Feb-07	112.9	3539.1		V		05-Mar-15	117.8	3534.2		V		-4.9
321552109205201	D-13-29 25CCC1	3722	08-Feb-07	161	3561		V		05-Mar-15	158.9	3563.1		V		2.1
321552109205101	D-13-29 25CCC2	3722	08-Feb-07	186.4	3535.6		V		05-Mar-15	204.4	3517.6		V		-18
321552109203301	D-13-29 25CDC	3712	08-Feb-07	166.7	3545.3		V		05-Mar-15	182.1	3529.9		V		-15.4
321551109202301	D-13-29 25CDD2	3709	08-Feb-07	151.4	3557.6		V		05-Mar-15	154.7	3554.3		V		-3.3
321615109202001	D-13-29 25DBB	3683	08-Feb-07	129.2	3553.8		V		05-Mar-15	131.9	3551.1		V		-2.7
321638109222301	D-13-29 27ABB	3715	07-Feb-07	243.1	3471.9		V		04-Mar-15	262.6	3452.4		V		-19.5
321633109222201	D-13-29 27ABC	3719	07-Feb-07	146.1	3572.9		V		04-Mar-15	147.4	3571.6		V		-1.3
321617109222301	D-13-29 27ACC2	3731	07-Feb-07	277.5	3453.5		V		04-Mar-15	274.6	3456.4		V		2.9
321617109220601	D-13-29 27ADC	3725	07-Feb-07	149.6	3575.4		V		04-Mar-15	147.9	3577.1		V		1.7
321642109223201	D-13-29 27BAB	3719	06-Feb-07	145.2	3573.8		V		04-Mar-15	148.2	3570.8		V		-3
321559109222301	D-13-29 27DBC	3742	07-Feb-07	269.8	3472.2		V		04-Mar-15	289.2	3452.8		V		-19.4
321551109221401	D-13-29 27DCC	3752	07-Feb-07	278.3	3473.7		V		04-Mar-15	298.4	3453.6		V		-20.1
321551109220701	D-13-29 27DDC	3748	07-Feb-07	265.7	3482.3		V		04-Mar-15	285.3	3462.7		V		-19.6
321618109232401	D-13-29 28ACC	3748	06-Feb-07	291.9	3456.1		V		04-Mar-15	300	3448		V		-8.1
321637109235401	D-13-29 28BBB	3738	06-Feb-07	162.4	3575.6		V		04-Mar-15	167.9	3570.1		V		-5.5
321618109235401	D-13-29 28BCC2	3760	06-Feb-07	318.8	3441.2		V		04-Mar-15	339.9	3420.1		V		-21.1
321947109162001	D-13-30 03CAA	3555	06-Feb-07	53.4	3501.6		V		03-Mar-15	53.2	3501.8		V		0.2
321857109170101	D-13-30 09ACD2	3566	06-Feb-07	49	3517		V		10-Mar-15	50.3	3515.7		V		-1.3
321830109165001	D-13-30 15BBB	3569	06-Feb-07	63.1	3505.9		V		10-Mar-15	62.9	3506.1	P	V		0.2
321802109154601	D-13-30 15DAA	3579	06-Feb-07	112.9	3466.1		V		03-Mar-15	127.7	3451.3		V		-14.8
321829109184401	D-13-30 17BBB	3570	06-Feb-07	74.8	3495.2		V		10-Mar-15	76.5	3493.5		V		-1.7
321657109160901	D-13-30 22DBC1	3589	06-Feb-07	70	3519		V		03-Mar-15	69	3520		V		1
321657109160101	D-13-30 22DBD	3588	06-Feb-07	68.7	3519.3		V		03-Mar-15	67.9	3520.1		V		0.8
321658109160101	D-13-30 22DCA	3589	06-Feb-07	69.6	3519.4		V		03-Mar-15	68.5	3520.5		V		1.1
321647109160301	D-13-30 22DCD	3594	06-Feb-07	74.8	3519.2		V		03-Mar-15	73.3	3520.7		V		1.5
321657109154801	D-13-30 22DDA	3588	06-Feb-07	64.9	3523.1		V		03-Mar-15	64.2	3523.8		V		0.7
321731109140901	D-13-30 24BAA	3594	06-Feb-07	56.7	3537.3		V		25-Feb-15	57.6	3536.4		S		-0.9
321712109143101	D-13-30 24BCD	3595	06-Feb-07	58.5	3536.5		V		25-Feb-15	59.9	3535.1		S		-1.4
321706109140701	D-13-30 24DBB2	3595	06-Feb-07	56	3539		V		25-Feb-15	61.2	3533.8		S		-5.2
321658109135501	D-13-30 24DBD	3597	06-Feb-07	55.4	3541.6		V		25-Feb-15	60.7	3536.3		V		-5.3
321644109135501	D-13-30 24DCD	3598	06-Feb-07	57	3541		V		25-Feb-15	58.1	3539.9		S		-1.1
321604109135401	D-13-30 25DBD	3609	30-Jan-07	53.7	3555.3		V		25-Feb-15	57.6	3551.4		S		-3.9

Appendix 7. San Simon Valley Sub-basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
321632109150701	D-13-30 26ABC1	3595	06-Feb-07	61.6	3533.4		V		03-Mar-15	62.2	3532.8		V		-0.6
321526109155801	D-13-30 34ACD	3627	09-Feb-07	108	3519		V		03-Mar-15	106.8	3520.2		V		1.2
321513109155601	D-13-30 34DAC	3634	09-Feb-07	113.7	3520.3		V		03-Mar-15	112.6	3521.4		V		1.1
321512109155801	D-13-30 34DBD	3635	09-Feb-07	115.3	3519.7		V		03-Mar-15	114.4	3520.6		V		0.9
321500109155701	D-13-30 34DDC	3648	05-Feb-07	121	3527		V		23-Feb-15	120.1	3527.9		V		0.9
321459109154401	D-13-30 34DDD2	3642	05-Feb-07	115.8	3526.2		S		23-Feb-15	115.8	3526.2		V		0
321513109154101	D-13-30 35CBC	3631	09-Feb-07	107.1	3523.9		V		03-Mar-15	106.2	3524.8		V		0.9
321500109154001	D-13-30 35CCC	3639	09-Feb-07	111.7	3527.3		V		03-Mar-15	111	3528		V		0.7
321500109152501	D-13-30 35CDC	3632	09-Feb-07	105.8	3526.2		V		03-Mar-15	104.8	3527.2		V		1
321500109151601	D-13-30 35CDD1	3631	09-Feb-07	102	3529		V		03-Mar-15	100.7	3530.3		V		1.3
321500109151301	D-13-30 35CDD2	3630	09-Feb-07	99.8	3530.2		V		03-Mar-15	98.6	3531.4		V		1.2
321524109134501	D-13-30 36ADD1	3615	29-Jan-07	53.8	3561.2		V		24-Feb-15	58.6	3556.4		S		-4.8
321550109141801	D-13-30 36BAB	3610	29-Jan-07	56.6	3553.4		V		24-Feb-15	59.1	3550.9		S		-2.5
321525109143801	D-13-30 36BCC	3615	29-Jan-07	68.4	3546.6		V		24-Feb-15	70.6	3544.4		S		-2.2
321459109142401	D-13-30 36CDC	3622	29-Jan-07	69.8	3552.2		V		24-Feb-15	72.9	3549.1		S		-3.1
321523109135801	D-13-30 36DBA	3615	29-Jan-07	56.1	3558.9		V		24-Feb-15	60.1	3554.9		S		-4
321522109140801	D-13-30 36DBB	3615	29-Jan-07	60.2	3554.8		V		24-Feb-15	63.2	3551.8		S		-3
321511109133901	D-13-30 36DDA	3617	29-Jan-07	71.2	3545.8		V		24-Feb-15	58.8	3558.2		S		12.4
321503109133901	D-13-30 36DDD	3618	29-Jan-07	61.7	3556.3		V		25-Feb-15	73.3	3544.7		S		-11.6
321941109131201	D-13-31 06CAD2	3622	06-Feb-07	98.4	3523.6		V		04-Mar-15	98.9	3523.1		V		-0.5
321742109113601	D-13-31 17DDD	3630	30-Jan-07	81.9	3548.1		V		25-Feb-15	84.1	3545.9		S		-2.2
321809109125001	D-13-31 18ADD	3593	06-Feb-07	51.9	3541.1		V		25-Feb-15	52.8	3540.2		S		-0.9
321702109115501	D-13-31 20DBD	3610	30-Jan-07	169.6	3440.4	R	V		25-Feb-15	192.1	3417.9		V		-22.5
321739109111201	D-13-31 21BAB	3645	06-Feb-07	91.6	3553.4		V		04-Mar-15	95.7	3549.3		S		-4.1
321649109112301	D-13-31 21CDC	3625	06-Feb-07	191.1	3433.9		V		26-Feb-15	219.5	3405.5		V		-28.4
321618109110501	D-13-31 28CAA	3635	06-Feb-07	203.7	3431.3		V		26-Feb-15	257.9	3377.1		V		-54.2
321607109114101	D-13-31 29DDA	3620	30-Jan-07	41.4	3578.6		V		23-Feb-15	49.1	3570.9		V		-7.7
321607109133501	D-13-31 30CBC2	3611	30-Jan-07	152.1	3458.9	R	V		04-Mar-15	162.8	3448.2		V		-10.7
321545109124201	D-13-31 31AAA	3604	30-Jan-07	29	3575		V		26-Feb-15	37.8	3566.2		S		-8.8
321538109130801	D-13-31 31ACB	3613	05-Feb-07	48.7	3564.3		V		26-Feb-15	61	3552		V		-12.3
321550109132401	D-13-31 31BBA	3612	30-Jan-07	51.7	3560.3		V		02-Mar-15	56.4	3555.6		S		-4.7
321501109131201	D-13-31 31CDD	3620	05-Feb-07	47.3	3572.7		V		27-Feb-15	55.2	3564.8		S		-7.9
321525109130701	D-13-31 31DBB1	3615	05-Feb-07	49.3	3565.7		V		27-Feb-15	56.1	3558.9		S		-6.8
321510109130401	D-13-31 31DCB	3618	05-Feb-07	47	3571		V		27-Feb-15	51.9	3566.1		V		-4.9
321554109103001	D-13-31 33AAA	3657	05-Feb-07	219.1	3437.9	K	V		26-Feb-15	250.3	3406.7		V		-31.2
321518109103401	D-13-31 33DDA	3655	06-Feb-07	217.6	3437.4		V		26-Feb-15	238.6	3416.4		V		-21
321535109101601	D-13-31 34BDC	3672	06-Feb-07	62.8	3609.2		V		26-Feb-15	76.1	3595.9		S		-13.3
321513109100701	D-13-31 34CDA	3685	06-Feb-07	248	3437		V		26-Feb-15	270.8	3414.2		V		-22.8
321410109292801	D-14-28 09ABC	4115	29-Jan-07	29.4	4085.6		V		25-Feb-15	9.5	4105.5		V		19.9
321423109234801	D-14-29 04CCC	3884	30-Jan-07	415.9	3468.1		V		26-Feb-15	435.6	3448.4		V		-19.7
321328109244101	D-14-29 08CCD	3978	30-Jan-07	500.5	3477.5		V		26-Feb-15	518.7	3459.3	Z	V		-18.2
321356109225101	D-14-29 09ADD	3916	30-Jan-07	419.4	3496.6		V		26-Feb-15	439.4	3476.6		V		-20
321356109234401	D-14-29 09BCC	3919	30-Jan-07	447.3	3471.7		V		26-Feb-15	466.2	3452.8		V		-18.9
321005109195101	D-14-29 36DDA	4206	06-Feb-07	207.1	3998.9		V		24-Feb-15	200.3	4005.7		V		6.8
321354109135101	D-14-30 12ADB1	3645	05-Feb-07	86.3	3558.7		V		24-Feb-15	83.4	3561.6		V		2.9
321502109093301	D-14-31 03AAA	3711	14-Feb-07	271.5	3439.5		V		26-Feb-15	297.5	3413.5		V		-26
321412109094701	D-14-31 03DCD	3675	08-Feb-07	49.2	3625.8		V		25-Feb-15	60.3	3614.7	V	V		-11.1
321445109103401	D-14-31 04ADD	3652	08-Feb-07	210.1	3441.9		V		24-Feb-15	238.9	3413.1		V		-28.8
321445109123601	D-14-31 05BCB	3622	05-Feb-07	39	3583		S		24-Feb-15	52.3	3569.7		S		-13.3
321316109123901	D-14-31 07DDD	3657	30-Jan-07	88.1	3568.9		V		24-Feb-15	89.8	3567.2		V		-1.7
321355109120501	D-14-31 08ABC1	3632	30-Jan-07	50.4	3581.6		V		24-Feb-15	58.4	3573.6		V		-8
321350109103301	D-14-31 09ADA1	3651	13-Mar-07	32.4	3618.6		V		25-Feb-15	41.6	3609.4		V		-9.2
321350109103501	D-14-31 09ADD1	3643	13-Mar-07	114.6	3528.4		V		25-Feb-15	130.5	3512.5		V		-15.9
321344109094601	D-14-31 10DBA2	3670	08-Feb-07	38.1	3631.9		S		25-Feb-15	48.1	3621.9		V		-10
321342109083401	D-14-31 11DAA	3729	08-Feb-07	275.8	3453.2		V		26-Feb-15	297.9	3431.1		V		-22.1
321317109084401	D-14-31 14ABA2	3692	13-Mar-07	53.7	3638.3		V		26-Feb-15	62.5	3629.5		V		-8.8

Appendix 7. San Simon Valley Sub-basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
321315109090201	D-14-31 14BAA3	3685	08-Feb-07	43.11	3641.89		S		26-Feb-15	54	3631		V		-10.89
321248109090401	D-14-31 14CAA	3676	08-Feb-07	30.79	3645.21		S		26-Feb-15	39.4	3636.6		S		-8.61
321228109100501	D-14-31 15CDD	3685	08-Feb-07	163.6	3521.4		V		26-Feb-15	189.2	3495.8		V		-25.6
321227109110001	D-14-31 16DCC	3679	30-Jan-07	140.5	3538.5		V		26-Feb-15	167.1	3511.9		V	SUBSIDENCE EVIDENT IN IMMEDIATE AREA	-26.6
321302109123601	D-14-31 17BCB	3666	30-Jan-07	65.2	3600.8		V		24-Feb-15	70.9	3595.1		V		-5.7
321210109132001	D-14-31 19BAC	3713	30-Jan-07	75.74	3637.26		S		24-Feb-15	84.8	3628.2		S		-9.06
321212109123101	D-14-31 20BBC1	3699	05-Feb-07	93.1	3605.9		V		24-Feb-15	96.2	3602.8		V		-3.1
321200109094501	D-14-31 22ADC	3693	08-Feb-07	181.5	3511.5	K	V		26-Feb-15	210.4	3482.6	K	V		-28.9
321132109093801	D-14-31 22DDC2	3709	13-Mar-07	242.6	3466.4	S	V		26-Feb-15	226.9	3482.1		V		15.7
321136109091201	D-14-31 23CCD	3703	30-Jan-07	143.5	3559.5		V		27-Feb-15	149.2	3553.8		V		-5.7
321106109075301	D-14-31 25DBB	3725	06-Feb-07	65.9	3659.1		V		03-Mar-15	73.7	3651.3		V		-7.8
321041109085501	D-14-31 26DCC	3746	06-Feb-07	187.9	3558.1		V		27-Feb-15	194.8	3551.2		V		-6.9
321041109095601	D-14-31 27DCC	3753	06-Feb-07	96.5	3656.5		V		03-Mar-15	98.3	3654.7		V		-1.8
321040109093701	D-14-31 27DDC	3752	06-Feb-07	89.2	3662.8		V		03-Mar-15	94.1	3657.9		V		-4.9
321016109095601	D-14-31 34ACC	3774	30-Jan-07	196.3	3577.7		V		03-Mar-15	239.6	3534.4		V		-43.3
321016109094501	D-14-31 35BCC	3772	30-Jan-07	221.3	3550.7		V		03-Mar-15	283.9	3488.1		V		-62.6
320949109092701	D-14-31 35CCC	3793	30-Jan-07	162.5	3630.5		V		03-Mar-15	178.5	3614.5		V		-16
320949109073701	D-14-31 36DDC	3793	08-Feb-07	227.2	3565.8		V		03-Mar-15	178.3	3614.7		V		48.9
321341109025601	D-14-32 11CAB	4079	09-Feb-07	164.7	3914.3		V		05-Mar-15	171.7	3907.3		V		-7
321210109062501	D-14-32 19ADA	3762	30-Jan-07	285.7	3476.3	K	V		04-Mar-15	302.1	3459.9		V		-16.4
321142109063601	D-14-32 19DDB	3740	30-Jan-07	104.8	3635.2	K	V		04-Mar-15	197.4	3542.6		V		-92.6
321053109071801	D-14-32 30CCB	3730	08-Feb-07	212.1	3517.9		V		04-Mar-15	252.8	3477.2	K	V		-40.7
321014109072201	D-14-32 31BCC	3765	08-Feb-07	221.2	3543.8		V		04-Mar-15	261	3504	K	V		-39.8
320948109061201	D-14-32 32CCD	3759	14-Mar-07	79.9	3679.1		V		04-Mar-15	81.2	3677.8	S	V		-1.3
320951109230401	D-15-29 04AAC	4340	30-Jan-07	46.9	4293.1		V		26-Feb-15	75.9	4264.1		V		-29
320947109253401	D-15-29 06BAC	4568	30-Jan-07	47.8	4520.2		V		26-Feb-15	64.4	4503.6		V		-16.6
320823109221001	D-15-29 10DCA	4598	06-Feb-07	22.1	4575.9		V		24-Feb-15	22.2	4575.8		V		-0.1
320755109220901	D-15-29 15AC UNSURV	4678	06-Feb-07	21.6	4656.4		S		24-Feb-15	13.5	4664.5		V		8.1
320822109191401	D-15-30 07DBB	4870	06-Feb-07	97.9	4772.1		V		24-Feb-15	59.1	4810.9		V		38.8
320737109174401	D-15-30 17ADD UNSURV	4519	06-Feb-07	95.7	4423.3		V		25-Feb-15	92.2	4426.8		V		3.5
320947109075701	D-15-31 01BAA	3793	30-Jan-07	94.5	3698.5		V		03-Mar-15	103.5	3689.5	S	V		-9
320805109090001	D-15-31 11CDD	3907	06-Feb-07	229.6	3677.4		V		10-Mar-15	249.7	3657.3	S	V		-20.1
320805109085001	D-15-31 11DCC	3904	06-Feb-07	226.7	3677.3		V		13-Mar-15	284.6	3619.4		V		-57.9
320737109090301	D-15-31 14BDC	3935	06-Feb-07	256.8	3678.2		V		03-Mar-15	291.4	3643.6		V		-34.6
320709109090701	D-15-31 14CDC	3968	07-Feb-07	289.2	3678.8		V		10-Mar-15	307.2	3660.8		V		-18
320923109062101	D-15-32 05BCC	3787	14-Mar-07	178.9	3608.1	K	V		04-Mar-15	290	3497	K	V	AND NEARBY PUMPING	-111.1
320923109065101	D-15-32 06ACC	3798	07-Feb-07	223.2	3574.8		V		04-Mar-15	285.5	3512.5	K	V		-62.3
320923109072101	D-15-32 06BCC	3815	07-Feb-07	229.7	3585.3		V		04-Mar-15	282	3533	V	V		-52.3
320003109134201	D-16-30 25DDD	4871	07-Feb-07	123.4	4747.6		V		11-Mar-15	85.9	4785.1		V		37.5
320316109103801	D-16-31 09ACB	4307	07-Feb-07	575.5	3731.5		V		10-Mar-15	591.1	3715.9		V		-15.6
320027109113901	D-16-31 29ACC	4673	07-Feb-07	148.9	4524.1		V		10-Mar-15	143.6	4529.4		V		5.3
320013109124701	D-16-31 30CDA	4780	07-Feb-07	74.22	4705.78		S		10-Mar-15	57.5	4722.5		V		16.72
320016109122601	D-16-31 30DBD	4768	07-Feb-07	80.81	4687.19		S		11-Mar-15	155.5	4612.5		V		-74.69
320235109035601	D-16-32 10CDC	3975	08-Feb-07	121.8	3853.2		V		10-Mar-15	129.6	3845.4		V		-7.8
320123109053901	D-16-32 20ACD	4097	14-Mar-07	216.6	3880.4		V		11-Mar-15	222.6	3874.4		V		-6
320050109061201	D-16-32 20CCC	4150	08-Feb-07	256.5	3893.5		V		11-Mar-15	262.8	3887.2		V		-6.3
320102109044801	D-16-32 21CAD	4065	08-Feb-07	182.1	3882.9		V		10-Mar-15	189.4	3875.6		V		-7.3
320051109050601	D-16-32 21CCB	4088	08-Feb-07	199.8	3888.2		V		10-Mar-15	210.2	3877.8		V		-10.4
320012109035201	D-16-32 27CDB	4051	14-Mar-07	155.8	3895.2		V		11-Mar-15	161.4	3889.6		V		-5.6
320006109032101	D-16-32 27DAC	4037	14-Mar-07	137.9	3899.1		V		11-Mar-15	142.8	3894.2		V		-4.9

Appendix 7. San Simon Valley Sub-basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
320028109044001	D-16-32 28ACC	4074	13-Mar-07	183.4	3890.6		V		12-Mar-15	181.5	3892.5		V		1.9
315904109035601	D-16-32 34CCD	4109	13-Mar-07	197.8	3911.2		V		10-Mar-15	195.9	3913.1		V		1.9
315853109032401	D-17-32 03AAC1	4095	13-Mar-07	178.4	3916.6		V		10-Mar-15	178.7	3916.3		V		-0.3
315825109032501	D-17-32 03DAC	4119	13-Mar-07	188.1	3930.9		V		10-Mar-15	190.6	3928.4		V		-2.5
315515109040901	D-17-32 27BCB	4297	08-Feb-07	331.4	3965.6		V		10-Mar-15	332.1	3964.9		V		-0.7
315237109034201	D-18-32 10BDA	4182	08-Feb-07	211.6	3970.4		V		10-Mar-15	217.7	3964.3		V		-6.1
314949109040001	D-18-32 27CBA	4142	06-Feb-07	93.8	4048.2		V		04-Mar-15	94.8	4047.2		V		-1
314849109031801	D-18-32 34DAD	4150	05-Feb-07	117.8	4032.2		V		03-Mar-15	122.1	4027.9		V		-4.3
314852109033701	D-18-32 34DBB	4146	06-Feb-07	101.9	4044.1		V		03-Mar-15	109.9	4036.1		V		-8
314850109032901	D-18-32 34DBD	4146	05-Feb-07	96.7	4049.3		V		03-Mar-15	104.5	4041.5		V		-7.8
314854109025601	D-18-32 35CBA	4153	05-Feb-07	119.9	4033.1		V		03-Mar-15	124.1	4028.9		V		-4.2
314629109071501	D-19-32 18CBC	4527	08-Feb-07	192.7	4334.3		V		03-Mar-15	198.5	4328.5		V		-5.8
314431109045501	D-19-32 28CDC	4238	05-Feb-07	199.7	4038.3		V		04-Mar-15	199.7	4038.3		V		0
314453109052801	D-19-32 29ADC	4265	05-Feb-07	223.5	4041.5		V		04-Mar-15	225.1	4039.9		V		-1.6
314348109041301	D-19-32 33DAD	4262	30-Jan-07	219.9	4042.1		V		04-Mar-15	235.6	4026.4		V		-15.7
314358109025701	D-19-32 35CBA	4301	30-Jan-07	284.7	4016.3		V		04-Mar-15	296.6	4004.4		V		-11.9
314037109190001	D-20-30 19ACD	5240	12-Jan-07	18.7	5221.3	R	V		24-Feb-15	29.7	5210.3	R	V		-11
313852109180801	D-20-30 32ACC	5060	15-Mar-07	143.6	4916.4	P	V		24-Feb-15	179.1	4880.9		V		-35.5
314134109132801	D-20-31 18BCB	5090	08-Feb-07	107.6	4982.4		V		26-Feb-15	60.3	5029.7		V		47.3
314020109073801	D-20-31 24DBD	4379	09-Feb-07	344.4	4034.6		V		03-Mar-15	336.3	4042.7		V		8.1
313823109114901	D-20-31 32DCD	4650	29-Jan-07	1.9	4648.1		S		25-Feb-15	2.19	4647.81		S		-0.29
314329109040901	D-20-32 03BBB	4280	30-Jan-07	250.6	4029.4		V		04-Mar-15	253.1	4026.9		V		-2.5
314216109061201	D-20-32 08BCD	4306	08-Feb-07	267.3	4038.7		V		06-Mar-15	282.1	4023.9	K	V		-14.8
313758109104401	D-21-31 03BCD1	4570	07-Feb-07	552.1	4017.9		V		10-Mar-15	553.3	4016.7		V		-1.2
313737109121701	D-21-31 05DCA	4650	01-May-07	52.9	4597.1		V		25-Feb-15	49.3	4600.7		V		3.6
313757109130901	D-21-31 06ADD	4702	29-Jan-07	671.6	4030.4	K	V		25-Feb-15	678.8	4023.2	P	V		-7.2
313547109041301	D-21-32 15DCB	4655	14-Mar-07	57.1	4597.9		V		05-Mar-15	9.7	4645.3		V		47.4

1. S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape, VT = A.D.W.R calibrated electric tape
2. K = Cascading Water, P = Pumping, R = Recently Pumped, S = Nearby Pumping, V = Foreign Material (oil), X = Surface Water Effects, Z = Other

Appendix 8

Selected Hydrographs for the San Simon Valley Sub-basin.

Appendix 8. Selected Hydrographs for the San Simon Valley Sub-basin.

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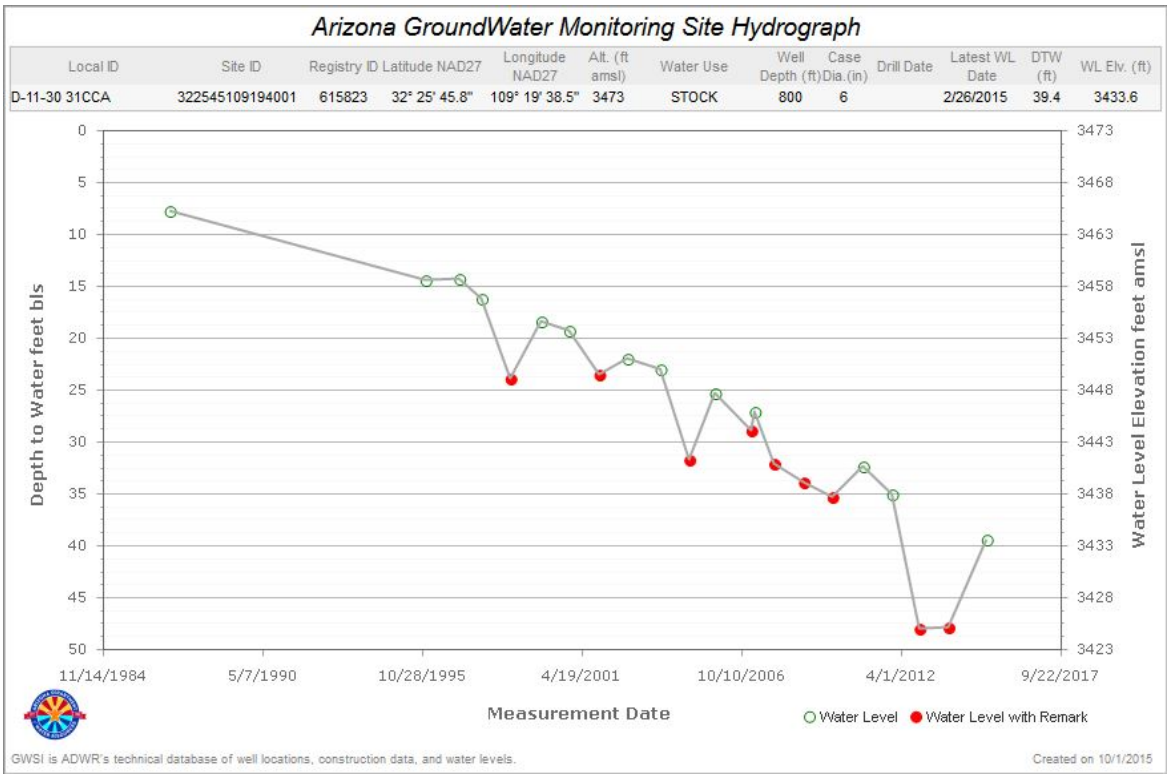

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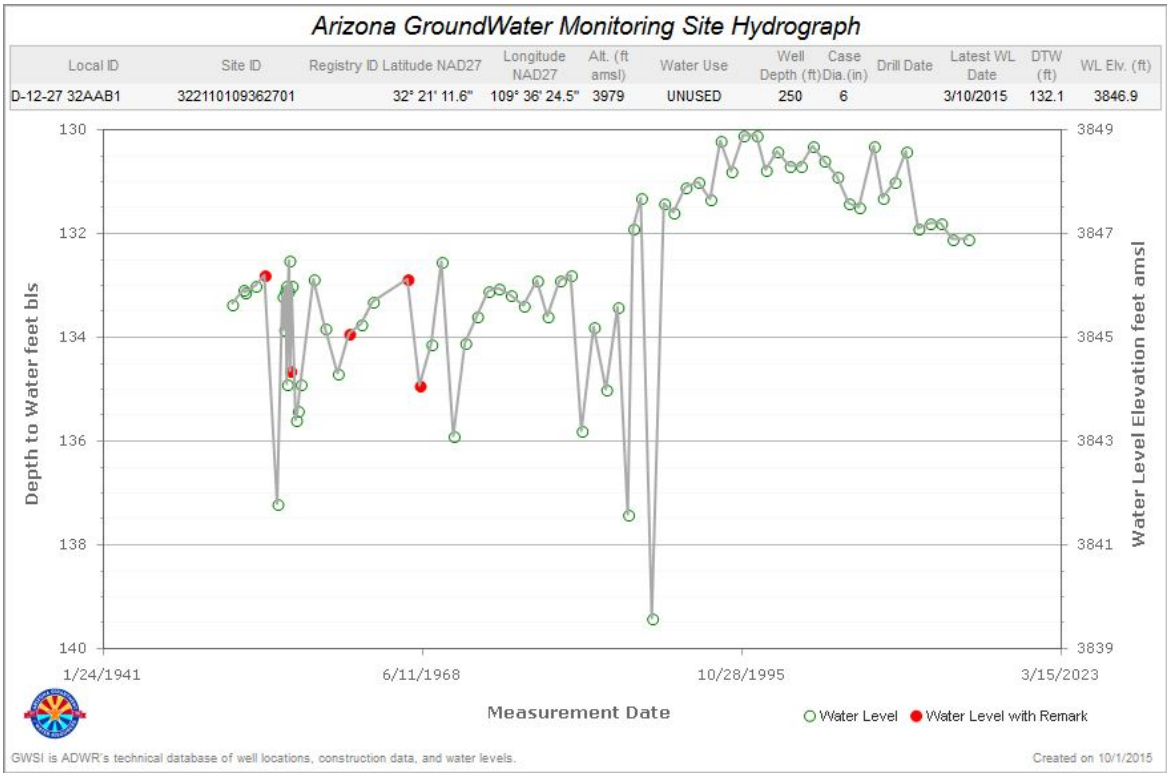

Appendix 8. Selected Hydrographs for the San Simon Valley Sub-basin.

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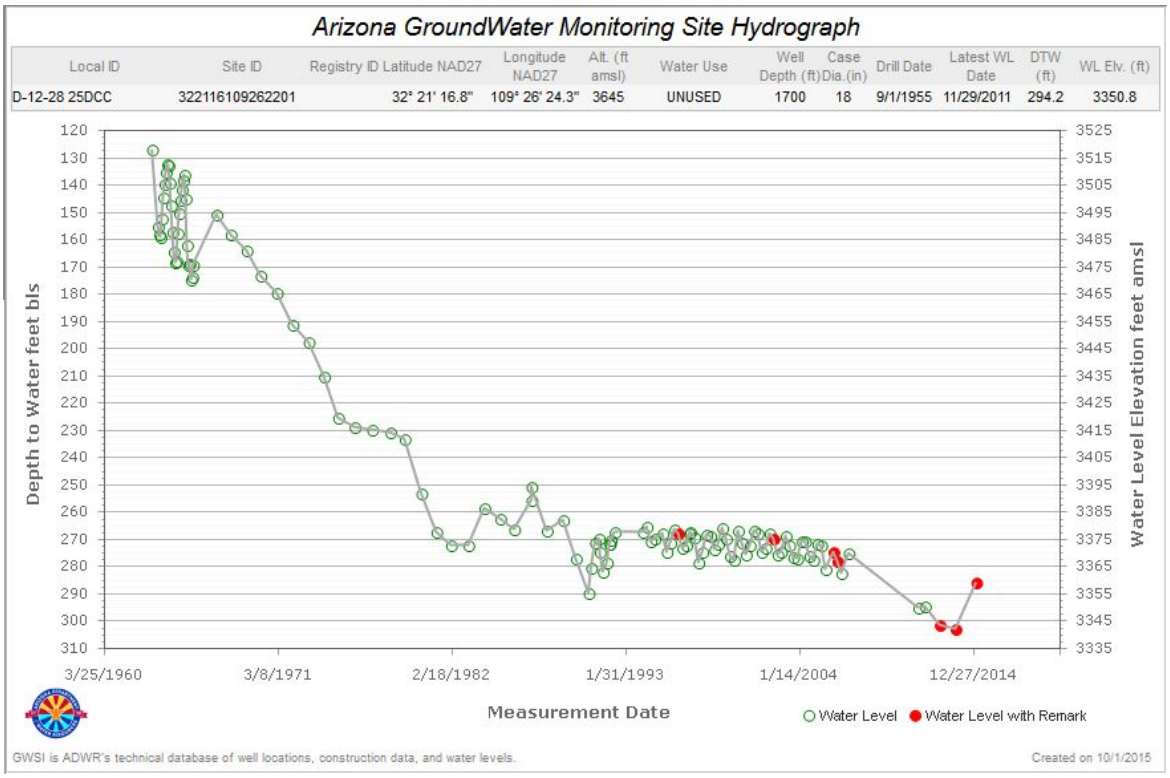

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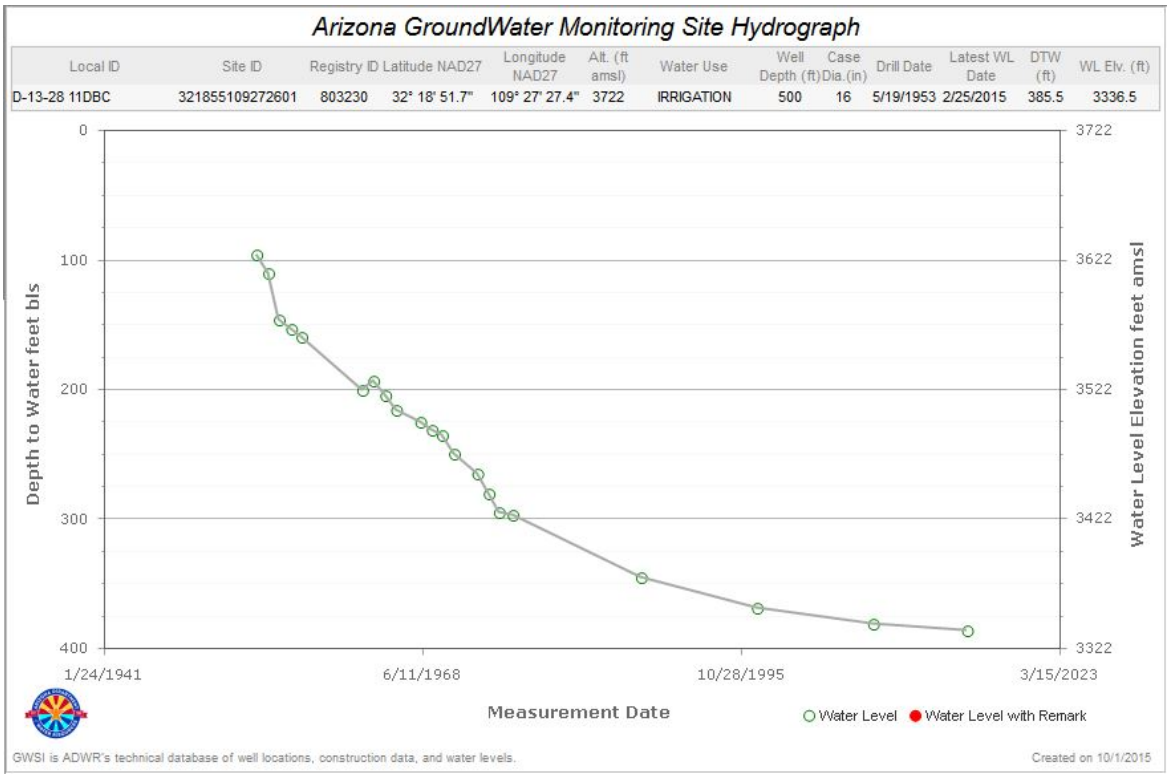

Appendix 8. Selected Hydrographs for the San Simon Valley Sub-basin.

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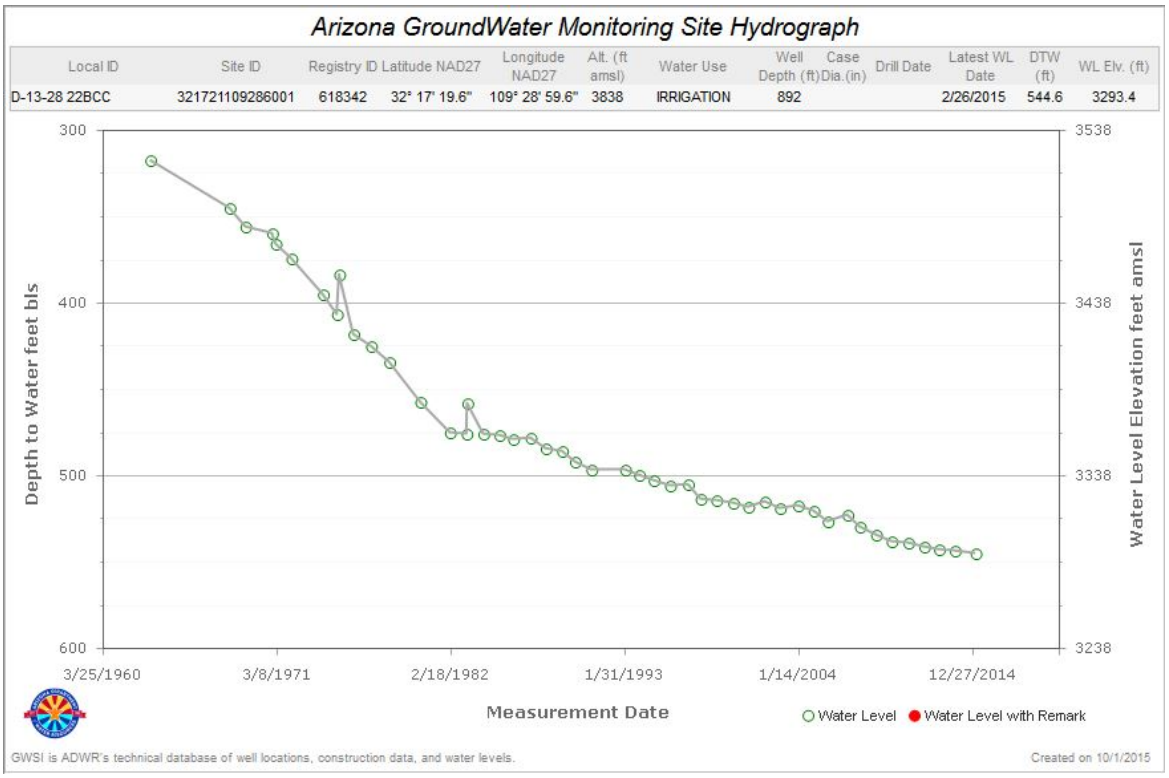

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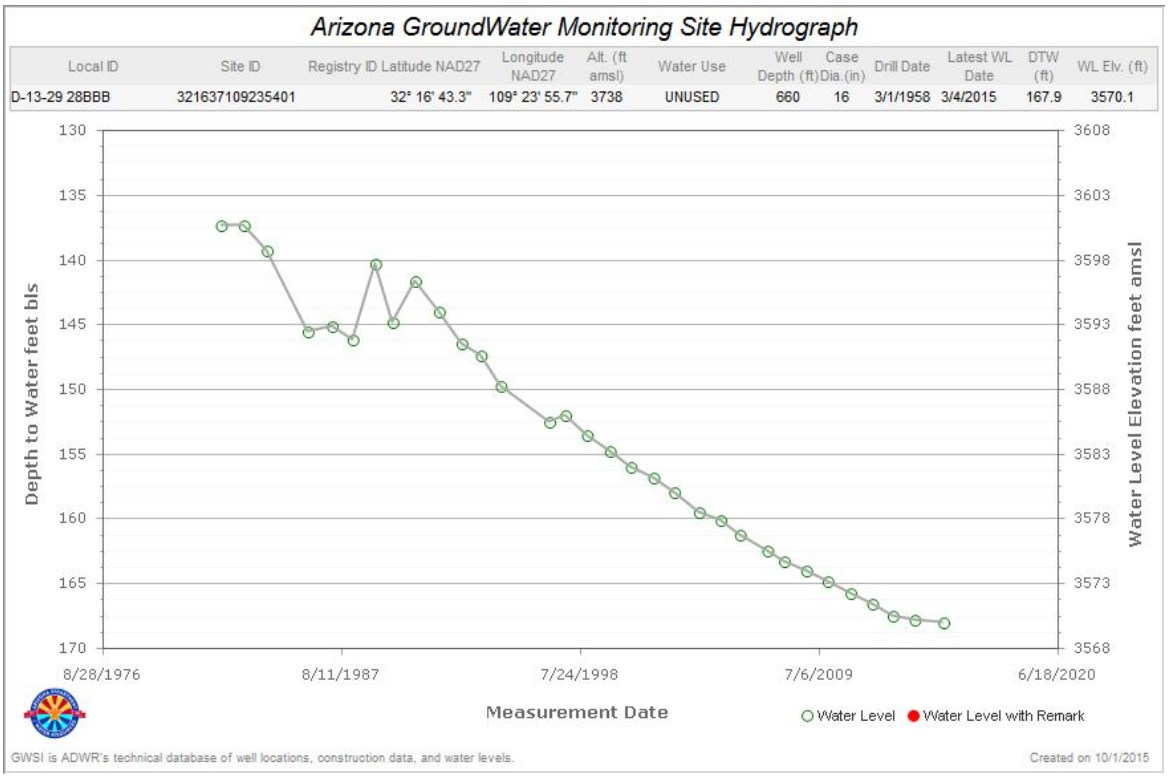

Appendix 8. Selected Hydrographs for the San Simon Valley Sub-basin.

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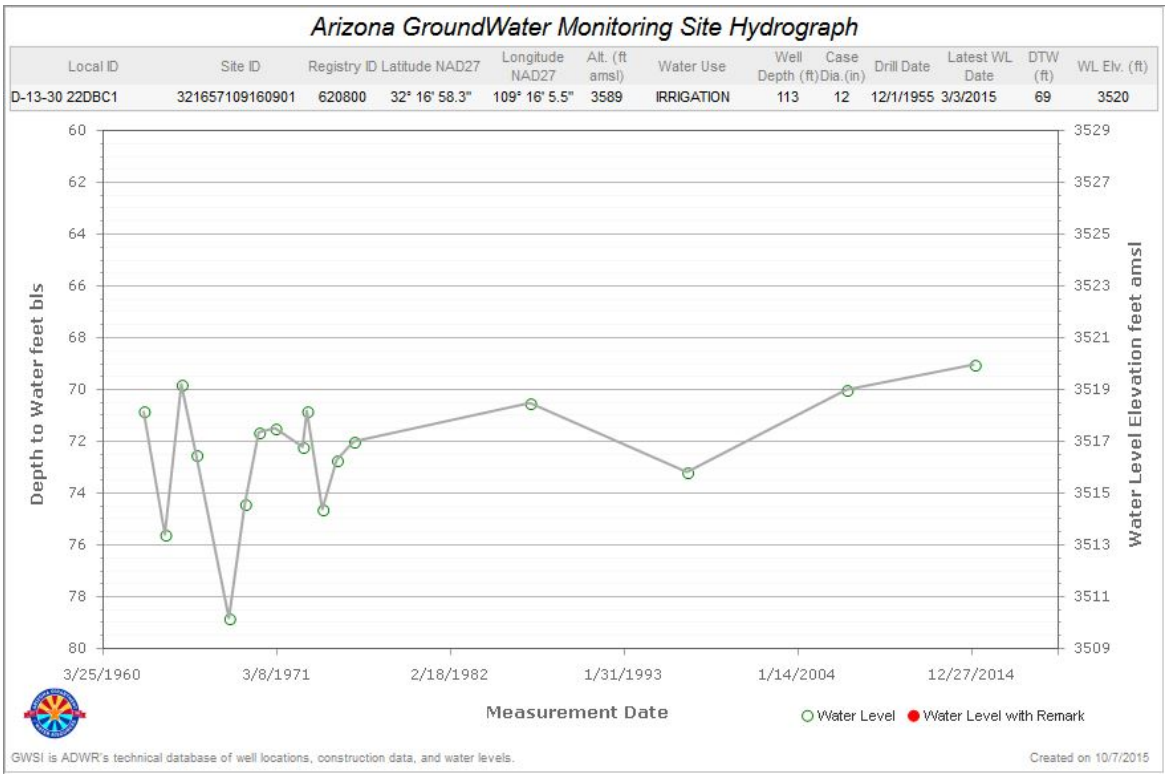

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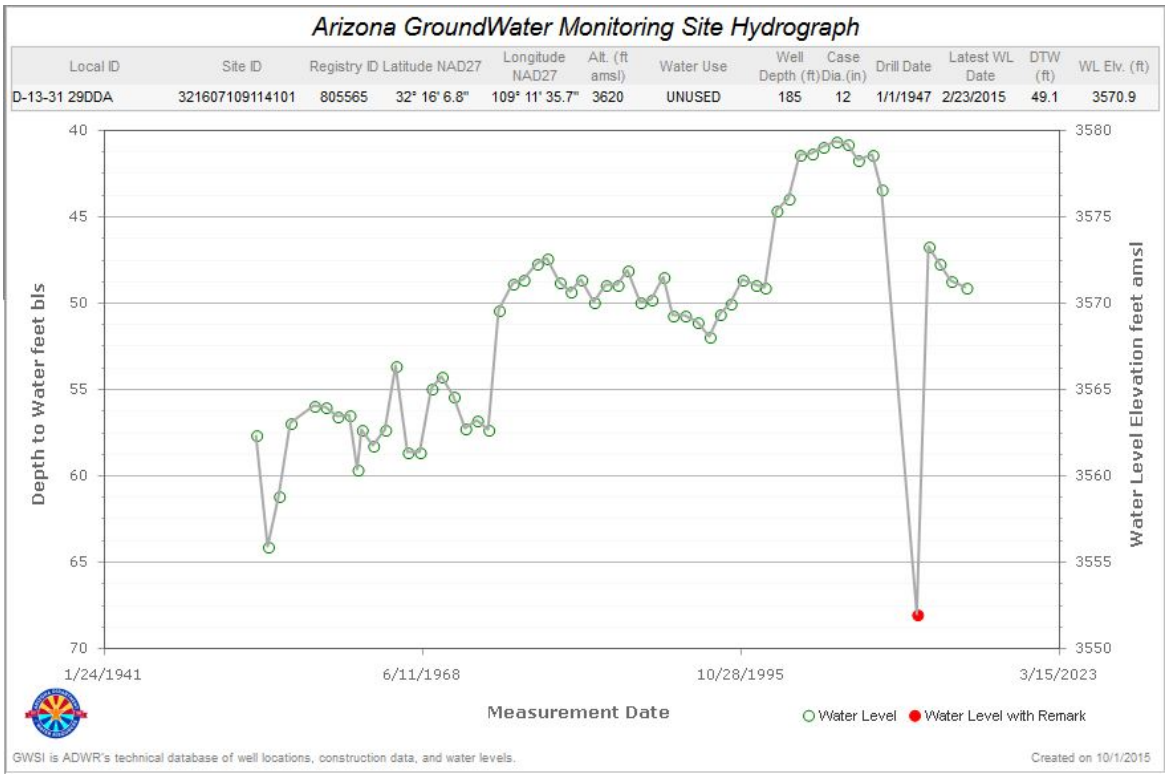

Appendix 8. Selected Hydrographs for the San Simon Valley Sub-basin.

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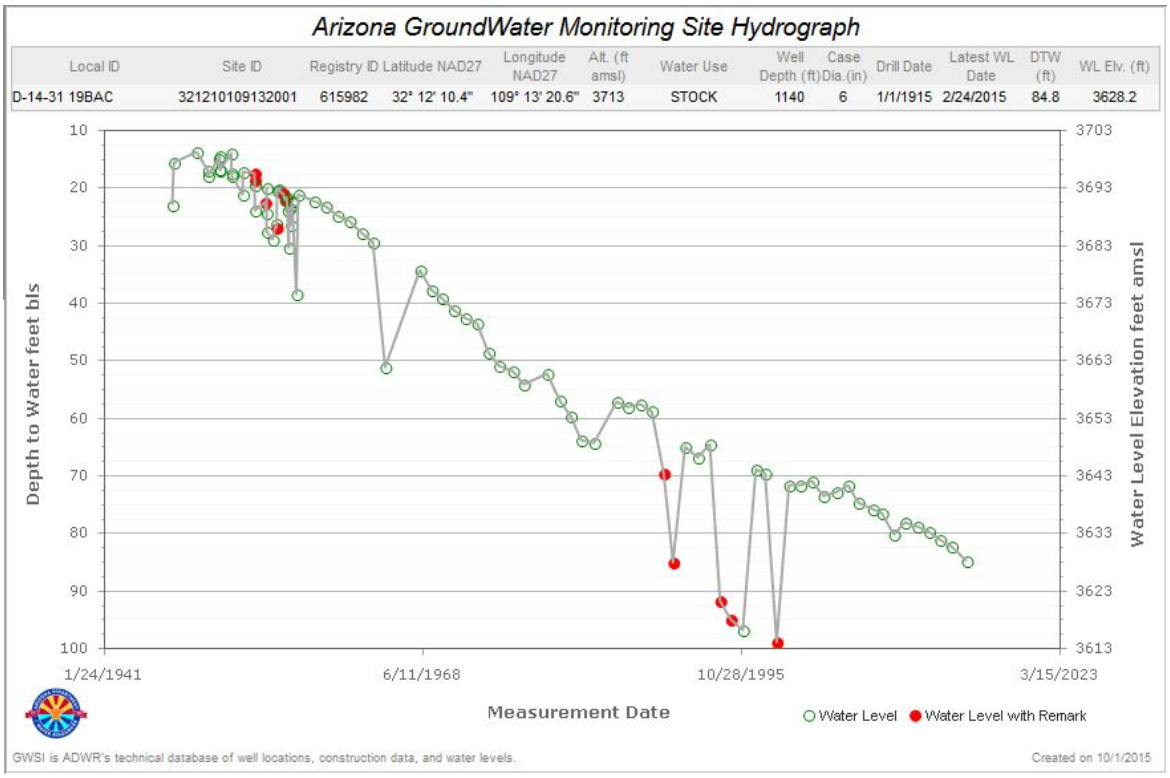

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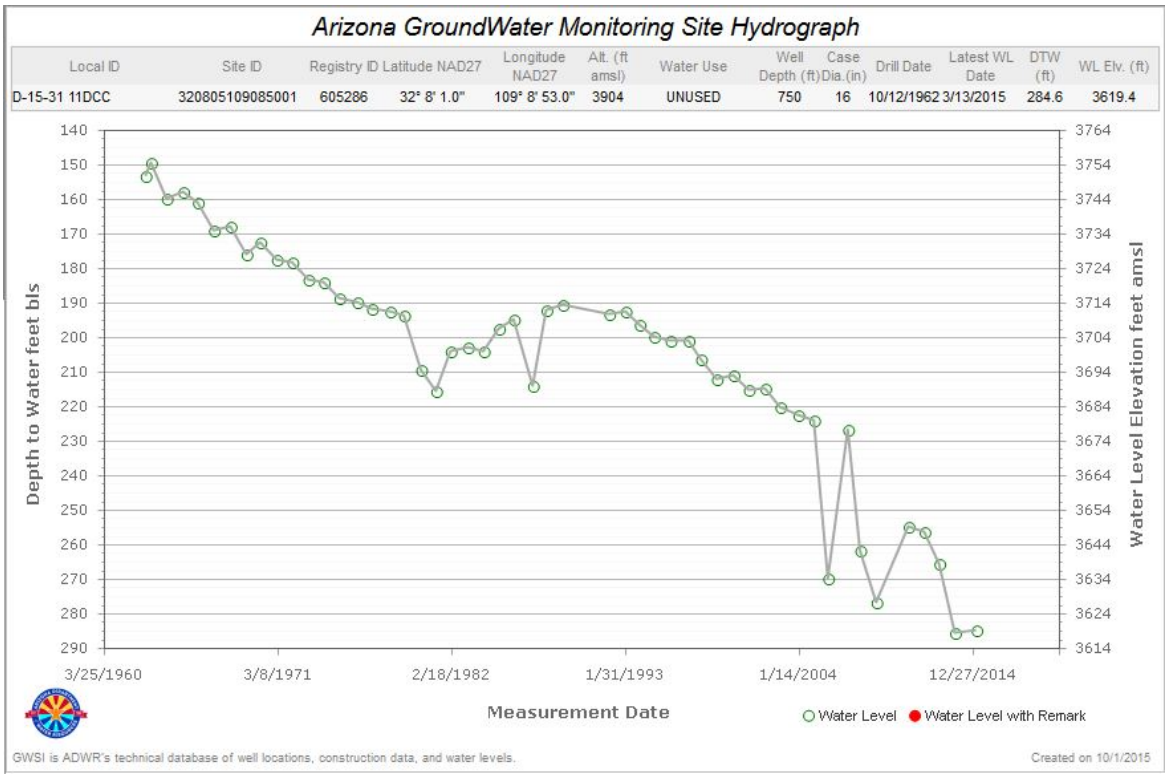

Appendix 8. Selected Hydrographs for the San Simon Valley Sub-basin.

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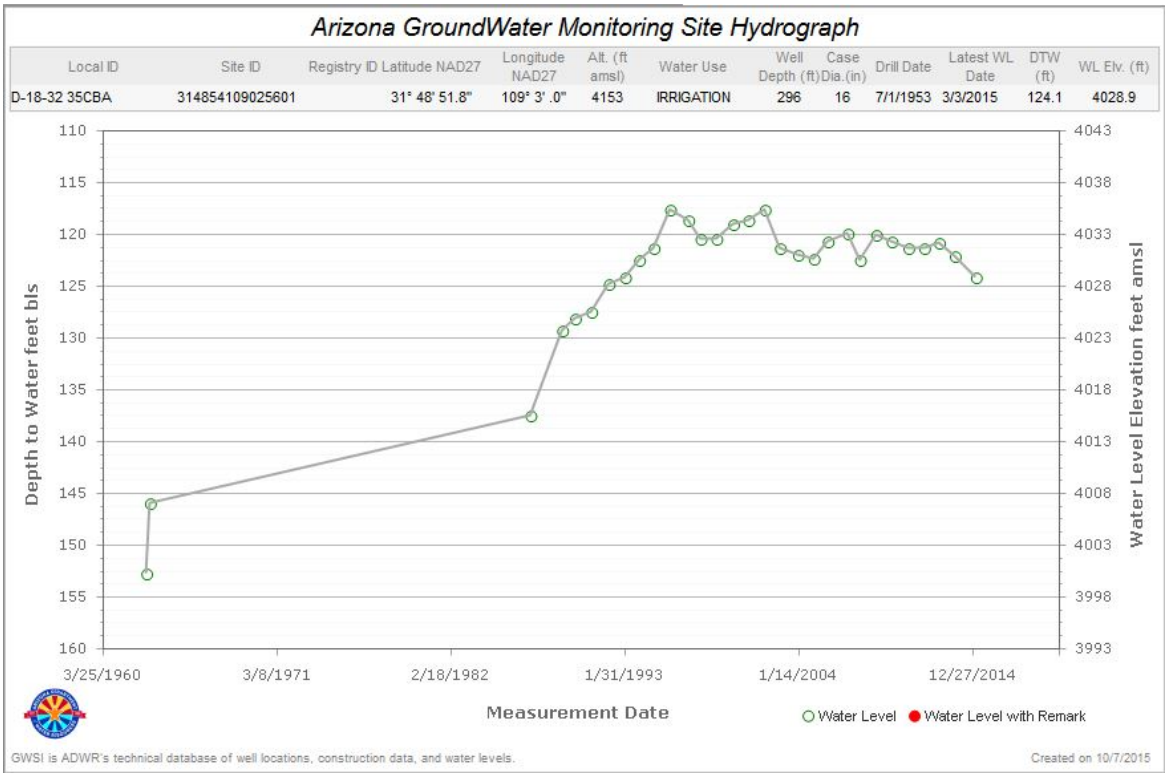

Appendix 9

Willcox Basin initial dataset water level measurements Water Year 2006.

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
323831109595501	D-09-23 21ABC2	618070	4767	32° 39' 18.7'' / 109° 59' 55.8''	160	160	W	S		12/09/05	52.3	4714.7	V		
323656109582701	D-09-23 34AAA	615665	4625	32° 36' 56.4'' / 109° 58' 26.8''			W	S		03/15/06	93.5	4531.5	V		
323654109574101	D-09-23 35ABB	615666	4670	32° 36' 56.8'' / 109° 57' 45.7''	430	430	U	U		03/15/06	78.7	4591.3	V		
323313110125001	D-10-21 20ACA	631581	4859	32° 33' 12.6'' / 110° 13' 7.2''	1000	1000	W	H		12/13/05	729.6	4129.4	V		
323224110130601	D-10-21 29ACB	646559	4864	32° 32' 15.8'' / 110° 13' 12.1''	708	708	W	H		12/13/05	638.9	4225.1	V		
323132110121401	D-10-21 33ABC2	505731	4790	32° 31' 33.5'' / 110° 12' 12.6''	680	680	W	S		12/08/05	565.4	4224.6	V		
323423110052001	D-10-22 10CCD	628515	4450	32° 34' 22.7'' / 110° 5' 20''			W	H		12/09/05	299.5	4150.5	V		
323445110042801	D-10-22 11CBB2	628516	4440	32° 34' 44.4'' / 110° 4' 28.4''	282	282	W	S		12/09/05			V	O	
323355110040001	D-10-22 14ACC		4420	32° 33' 57'' / 110° 4' 2''			U	U		12/08/05			V	W	
323140110033501	D-10-22 35AAA	628349	4424	32° 31' 43.3'' / 110° 3' 35.3''	450	450	U	U		12/08/05	295.8	4128.2	V		
323055110042701	D-10-22 35CCC1	628346	4452	32° 30' 54'' / 110° 4' 32.7''	515	515	U	U		12/08/05	326.5	4125.5	V		
323113110035801	D-10-22 35DBB	628348	4436	32° 31' 15'' / 110° 3' 59.5''	500	500	U	U		12/08/05	308.6	4127.4	V		
323120110025701	D-10-22 36ACA	628358	4401	32° 31' 30.7'' / 110° 2' 51.2''	453	453	U	U		12/08/05			V	O	
323120110031101	D-10-22 36BDC2	628359	4411	32° 31' 23.9'' / 110° 3' 8.9''	450	450	U	U		12/08/05	284.9	4126.1	V		
323055110032701	D-10-22 36CCB	628335	4419	32° 30' 59.4'' / 110° 3' 30.7''	480	480	W	U		12/08/05	295.1	4123.9	V		
323542109581101	D-10-23 02BDB	615737	4553	32° 35' 45.9'' / 109° 58' 0.4''	1020	1020	W	I		03/15/06	401.7	4151.3	V		
323538109575401	D-10-23 02CAA	805356	4350	32° 35' 34.5'' / 109° 57' 56.9''	87	87	O	O		03/15/06	60.4	4289.6	V		
323522109580701	D-10-23 02CCA2		4540	32° 35' 24.4'' / 109° 58' 10''			U	U		12/12/05	42.1	4497.9	V		
323523109573301	D-10-23 02DDB		4551	32° 35' 23'' / 109° 57' 33''	440	440	Z	U		03/15/06			V	W	
323423110002801	D-10-23 08DDD	615738	4510	32° 34' 22.8'' / 110° 0' 28''	465	465	W	S		12/08/05	375.0	4135.0	V		
323511109591401	D-10-23 10BBA	627747	4543	32° 35' 13'' / 109° 59' 16.3''	705	705	W	S	Annually	12/12/05	403.3	4139.7	V		
323507109573801	D-10-23 11ABA	615739	4539	32° 35' 7.6'' / 109° 57' 38.2''	950	950	W	T		03/15/06	412.6	4126.4	V		
323448109574701	D-10-23 11ACC		4529	32° 34' 49.1'' / 109° 57' 47.6''			U	U		12/13/05	402.5	4126.5	V		
323427109575501	D-10-23 11CDA		4507	32° 34' 27.9'' / 109° 57' 55.9''			W	I		12/13/05	380.2	4126.8	V		
323340109585601	D-10-23 15CDA	618067	4472	32° 33' 39.9'' / 109° 58' 56.1''	330	330	W	S		12/14/05	100.0	4372.0	V		
323259110001501	D-10-23 21DBA	618064	4440	32° 32' 57'' / 109° 59' 42.6''	450	450	U	U		12/14/05	321.7	4118.3	V		
323301109595201	D-10-23 21DBB		4440	32° 33' 1.3'' / 109° 59' 52.1''			U	U		12/13/05	236.7	4203.3	V		
323305109591401	D-10-23 22BCD	618062	4458	32° 33' 4.9'' / 109° 59' 9.4''	600	600	W	I		12/13/05	336.5	4121.5	V		
323224109581201	D-10-23 26BBD	527632	4465	32° 32' 23.9'' / 109° 58' 12''	930	930	W	I		12/13/05	359.6	4105.4	V		
323232110001501	D-10-23 28BBA	618060	4429	32° 32' 34.5'' / 110° 0' 10.8''	605	605	U	U		12/09/05	306.4	4122.6	V		
323220110004501	D-10-23 29ACD	628336	4413	32° 32' 13.6'' / 110° 0' 42.3''	433	433	W	I		12/09/05	295.3	4117.7	V		
323134110022401	D-10-23 31BCB	628341	4388	32° 31' 27.4'' / 110° 2' 30''	422	422	U	U		12/08/05	262.4	4125.6	V		
323134110003601	D-10-23 32ADB		4423	32° 31' 30.7'' / 110° 0' 36.4''			W	I		12/09/05	308.6	4114.4	V		
323139109595901	D-10-23 33BAA	622075	4428	32° 31' 43.4'' / 109° 59' 55''	500	500	W	H		12/14/05	319.1	4108.9	V		
323114110002201	D-10-23 33CBB	622077	4421	32° 30' 50.3'' / 110° 0' 1.1''	500	500	W	I		12/09/05	310.4	4110.6	V		
323116109594301	D-10-23 33DBA		4421	32° 31' 17.9'' / 109° 59' 42.3''			W	I		12/13/05	314.8	4106.2	V		
323125109585201	D-10-23 34ACB		4430	32° 31' 24.7'' / 109° 58' 51.7''			W	I		12/13/05	332.7	4097.3	V		
323347109543501	D-10-24 17DBD	615744	4745	32° 33' 47.2'' / 109° 54' 34.9''	720	720	W	H		12/13/05	627.2	4117.8	V		
323313109523301	D-10-24 22ACA		4884	32° 33' 13'' / 109° 52' 32.3''			U	U		12/13/05	239.6	4644.4	V		
323122109522401	D-10-24 34ADC	615745	4830	32° 31' 22'' / 109° 52' 24''			U	U		12/13/05	166.6	4663.4	V		
323140109513301	D-10-24 35ABA		4985	32° 31' 40'' / 109° 51' 33''			U	U		12/13/05			V	W	
323137109513501	D-10-24 35ABB	601473	4964	32° 31' 37'' / 109° 51' 35''	70	70	U	U		12/13/05			V	O	
323043110092501	D-11-21 01ABB		4658	32° 30' 44.3'' / 110° 9' 23.5''			W	H		12/08/05	53.6	4604.4	V		
323043110094801	D-11-21 01BBD	626858	4653	32° 30' 42.7'' / 110° 9' 48.7''	70	70	W	S		12/08/05	50.8	4602.2	V		
322936110105801	D-11-21 11BCC	646252	4755	32° 29' 36'' / 110° 10' 58''	90	90	W	H		12/13/05	60.4	4694.6	V		
323041110031201	D-11-22 01ACB	628356	4407	32° 30' 37.6'' / 110° 3' 12.2''	450	450	U	U		12/09/05	284.2	4122.8	V		
323051110032801	D-11-22 01BAB	628363	4418	32° 30' 50.6'' / 110° 3' 28.3''	350	350	W	H		12/08/05	330.2	4087.8	V		
323003110025101	D-11-22 01DDD1		4394	32° 30' 5.4'' / 110° 2' 48.3''	453	453	U	U		12/09/05			V	O	
323004110024901	D-11-22 01DDD2	628353	4394	32° 30' 3.2'' / 110° 2' 49.4''	1000	1000	U	U		12/09/05			V	O	
323051109593501	D-11-23 03BBA		4409	32° 30' 51.2'' / 109° 59' 34.2''			W	I		12/13/05	305.1	4103.9	V		
323013109585501	D-11-23 03DAC	605574	4398	32° 30' 12.7'' / 109° 58' 56''	750	750	W	I		12/14/05	297.3	4100.7	V		
323024109591101	D-11-23 03DBB	605573	4405	32° 30' 25.2'' / 109° 59' 11''	500	500	W	H		12/13/05	304.2	4100.8	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
323051110000101	D-11-23 04ABA	800465	4410	32° 30' 51.3'' / 110° 0' 1.1''	600	600	W	I		12/08/05	300.8	4109.2	V		
323024109594701	D-11-23 04DAA	605575	4399	32° 30' 25.1'' / 109° 59' 46.7''	504	504	W	I		12/14/05	293.5	4105.5	V		
323048110004801	D-11-23 05AAA		4402	32° 30' 50.9'' / 110° 0' 44''			W	S		12/08/05	292.1	4109.9	V		
323003110005601	D-11-23 05ADC		4392	32° 30' 28.2'' / 110° 0' 58.5''			W	I		12/09/05	279.4	4112.6	V		
323038110022601	D-11-23 06BDB	628369	4382	32° 30' 38.8'' / 110° 2' 26.2''	500	500	W	H		12/08/05	262.6	4119.4	V		
322950110023801	D-11-23 07BAC	628351	4381	32° 29' 51.6'' / 110° 2' 27.7''	501	501	U	U		12/07/05			V	O	
322956110010401	D-11-23 08AAB		4383	32° 29' 58.2'' / 110° 1' 7.2''	425	425	W	I		12/07/05	269.0	4114.0	V		
322940110014201	D-11-23 08BCC	628350	4368	32° 29' 39'' / 110° 1' 45.3''	250	250	U	U		12/07/05			V	D	DRY AT 168.3'
322956109584501	D-11-23 10AAA	613594	4398	32° 29' 59'' / 109° 58' 42.5''	500	500	W	I		11/29/05	296.0	4102.0	V		
322956109585201	D-11-23 10ABA	613595	4397	32° 29' 59.3'' / 109° 58' 58.7''	500	500	W	I		11/29/05	293.0	4104.0	V		
322956109593001	D-11-23 10BBA	613596	4392	32° 29' 59.4'' / 109° 59' 34.4''	503	503	W	I		11/29/05	266.4	4125.6	V		
322931109584401	D-11-23 10DAA	613593	4387	32° 29' 32.8'' / 109° 58' 41.9''	505	505	W	I		11/29/05	303.4	4083.6	V		
322957109574401	D-11-23 11AAA	619391	4418	32° 29' 58.6'' / 109° 57' 41.3''	475	475	W	I		11/29/05	325.9	4092.1	V		
322958109581401	D-11-23 11BAA	605883	4407	32° 29' 58'' / 109° 58' 14''	500	500	W	I		11/29/05	311.0	4096.0	V		
322930109571401	D-11-23 12CAA		4417	32° 29' 33.6'' / 109° 57' 11.9''	500	500	W	I		11/29/05	333.7	4083.3	V		
322930109564201	D-11-23 12DAA		4432	32° 29' 33.2'' / 109° 56' 37.4''	570	570	W	I		11/29/05	346.2	4085.8	V		
322905109571201	D-11-23 13BAA	615801	4402	32° 29' 7.3'' / 109° 57' 7.4''	500	500	U	U		11/29/05	319.0	4083.0	V		
322905109574301	D-11-23 14AAA	615802	4387	32° 29' 7'' / 109° 57' 40.8''	500	500	U	U		11/30/05	302.3	4084.7	V		
322907110575501	D-11-23 14ABA	615803	4382	32° 29' 7.3'' / 109° 57' 54.4''	526	526	U	U		11/30/05	295.0	4087.0	V		
322904109580601	D-11-23 14ABB	615804	4379	32° 29' 6.9'' / 109° 58' 9.6''	600	600	W	I		11/30/05	291.7	4087.3	V		
322903109583001	D-11-23 14BBA	617021	4376	32° 29' 7'' / 109° 58' 24''	400	400	Z	Z		11/30/05	291.7	4084.3	V		
322905109593801	D-11-23 15BBB	613591	4369	32° 29' 6.7'' / 109° 59' 41.9''	500	500	W	I		11/30/05	263.6	4105.4	V		
322838110010901	D-11-23 17ACD		4349	32° 28' 42'' / 110° 1' 0.7''			W	H		12/12/05	232.9	4116.1	V		
322842110012801	D-11-23 17BDC		4349	32° 28' 45.7'' / 110° 1' 26.7''			W	I		12/12/05			V	O	
322810109595401	D-11-23 21AAA	608485	4341	32° 28' 14.6'' / 109° 59' 49.5''	500	500	W	S		11/30/05	238.8	4102.2	V		
322814109590301	D-11-23 22ABA	805021	4347	32° 28' 14.6'' / 109° 59' 4.7''	900	900	W	I		11/30/05	261.5	4085.5	V		
322753109591501	D-11-23 22ACC	608479	4335	32° 27' 48.9'' / 109° 59' 9.5''	690	690	W	I		12/02/05	262.5	4072.5	V		
322802109573401	D-11-23 24BBC	611275	4352	32° 28' 2.2'' / 109° 57' 33.5''			W	I		12/12/05	300.4	4051.6	V	P	
322802109573401	D-11-23 24BBC	611275	4352	32° 28' 2.2'' / 109° 57' 33.5''			W	I		12/13/05	265.9	4086.1	V		
322620109564101	D-11-23 25AAA	603507	4346	32° 27' 22.7'' / 109° 56' 42''	1000	1000	W	I		11/30/05	265.6	4080.4	V		
322722109565601	D-11-23 25ABA		4338	32° 27' 22.6'' / 109° 56' 55.1''			W	I		12/09/05	248.0	4090.0	V		
322656109570901	D-11-23 25CAA		4316	32° 26' 56.9'' / 109° 57' 8.6''			U	U		11/30/05	245.2	4070.8	V		
322654109564201	D-11-23 25DAA	610878	4321	32° 26' 56.8'' / 109° 56' 42.7''	800	800	W	I		11/30/05	252.9	4068.1	V		
322719109575201	D-11-23 26AAB		4325	32° 27' 21.9'' / 109° 57' 54''			W	S		12/09/05			V	O	
322722109585401	D-11-23 27AAB		4322	32° 27' 22.5'' / 109° 58' 53.4''			U	U		11/30/05	246.5	4075.5	V		
322721109594101	D-11-23 27BBA	608483	4322	32° 27' 22.3'' / 109° 59' 30''	600	600	W	I		11/30/05	241.9	4080.1	V		
322630109572801	D-11-23 36BBA	805589	4302	32° 26' 30.5'' / 109° 57' 28''			W	I		11/30/05	230.7	4071.3	V		
322947109563001	D-11-24 07BBD		4445	32° 29' 48.6'' / 109° 56' 31.2''			W	S		11/29/05	362.1	4082.9	V		
322931109554201	D-11-24 07DAA	605412	4471	32° 29' 33.4'' / 109° 55' 41.3''	1060	1060	W	I	Annually	11/29/05	389.3	4081.7	V		
322904109544001	D-11-24 17AAA	622903	4495	32° 29' 7.2'' / 109° 54' 37.8''	700	700	U	U		11/29/05	417.5	4077.5	V		
322904109553901	D-11-24 18AAA	605414	4445	32° 29' 7.5'' / 109° 55' 40''	603	603	W	I		11/29/05	368.6	4076.4	V		
322904109561201	D-11-24 18BAA	605410	4426	32° 29' 7.1'' / 109° 56' 10.5''	756	756	W	I		12/08/05	344.8	4081.2	V		
322840109555101	D-11-24 18DAB	617635	4409	32° 28' 41.1'' / 109° 55' 52.8''	700	700	W	I		12/08/05	345.5	4063.5	V		
322746109554101	D-11-24 19DAD	617636	4384	32° 27' 38.9'' / 109° 55' 38.3''	800	800	W	I		12/08/05	308.6	4075.4	V		
322813109550901	D-11-24 20ABB	622957	4429	32° 28' 14.5'' / 109° 55' 6.9''	700	700	W	I		11/29/05	359.1	4069.9	V		
322748109551301	D-11-24 20CAA	622958	4408	32° 27' 49.1'' / 109° 55' 13.7''	700	700	W	I		11/29/05	335.2	4072.8	V		
322719109543901	D-11-24 29AAA	612295	4416	32° 27' 22.7'' / 109° 54' 37.8''	600	600	W	I		11/29/05	350.2	4065.8	V		
322719109551001	D-11-24 29BAA	612294	4389	32° 27' 22.7'' / 109° 55' 8.9''	708	708	W	I		11/29/05	322.2	4066.8	V		
322654109551101	D-11-24 29CAA	617636	4376	32° 26' 56.8'' / 109° 55' 8.8''	1000	1000	W	S		11/29/05	302.3	4073.7	V		
322654109545501	D-11-24 29DAB	612292	4391	32° 26' 56.2'' / 109° 54' 45.6''	750	750	W	I		11/29/05	323.5	4067.5	V		
322718109554101	D-11-24 30AAA	604191	4369	32° 27' 22.3'' / 109° 55' 43.2''	1300	1300	U	U	Annually	11/30/05	296.0	4073.0	V		
322722109562301	D-11-24 30BAB	605874	4346	32° 27' 22.3'' / 109° 56' 23.3''			W	I		11/30/05	272.3	4073.7	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322654109554101	D-11-24 30DAA	610394	4353	32° 26' 56'' / 109° 55' 40.7''	800	800	W	I		11/30/05	274.9	4078.1	V		
322627109560401	D-11-24 31ABB	606431	4320	32° 26' 29.9'' / 109° 56' 8.3''	795	795	W	I		12/08/05	240.7	4079.3	V		
322627109551101	D-11-24 32BAA	603074	4353	32° 26' 30.6'' / 109° 55' 8.4''	1000	1000	W	I		12/08/05	274.6	4078.4	V		
322601109551101	D-11-24 32CAA	612293	4330	32° 26' 4.1'' / 109° 55' 8.7''	1113	1113	U	U		11/29/05	262.3	4067.7	V		
322601109544001	D-11-24 32DAA	625570	4353	32° 26' 4.5'' / 109° 54' 40.5''	903	903	U	U		11/29/05	283.2	4069.8	V		
322555109460001	D-11-25 35CAD	618814	4915	32° 25' 55.8'' / 109° 45' 59.4''	475	475	W	S		12/06/05	285.1	4629.9	V		
322538109591001	D-12-23 03ABB	800526	4294	32° 25' 38.1'' / 109° 59' 11.2''	800	800	W	I		11/30/05	213.4	4080.6	V		
322449110011801	D-12-23 05DCC	611033	4389	32° 24' 47.1'' / 110° 1' 16.4''	1100	1100	U	U		12/07/05	287.5	4101.5	V		
322445110001301	D-12-23 09ABB	611044	4330	32° 24' 45.3'' / 110° 0' 10.6''	603	603	U	U		12/07/05			V	O	
322430110001001	D-12-23 09ABC	611043	4326	32° 24' 33'' / 110° 0' 10.6''	1170	1170	W	I		12/07/05	224.6	4101.4	V		
322415110004001	D-12-23 09BCC	611034	4351	32° 24' 21.1'' / 110° 0' 45.6''	1070	1010	U	U		12/07/05	251.9	4099.1	V		
322408110001101	D-12-23 09DBC	611042	4318	32° 24' 8.1'' / 110° 0' 11.1''	1196	1196	W	I		12/07/05	220.0	4098.0	V		
322441109583601	D-12-23 11BBB		4285	32° 24' 45.7'' / 109° 58' 37.6''	303	303	U	U		11/30/05	203.0	4082.0	V		
322418109571301	D-12-23 12CBA		4278	32° 24' 20.9'' / 109° 57' 24.4''	350	350	U	U		12/01/05	221.5	4056.5	V		
322407109573501	D-12-23 12CBC		4275	32° 24' 8.2'' / 109° 57' 36.3''	655	655	W	H		11/30/05	215.9	4059.1	V		
322415109565401	D-12-23 12DBA1		4275	32° 24' 20.1'' / 109° 56' 58.1''	269	269	U	U	Annually	12/01/05	217.9	4057.1	V		
322344109570301	D-12-23 13BAD	606301	4270	32° 23' 41.8'' / 109° 57' 9.2''	700	700	W	I		12/01/05	207.5	4062.5	V		
322349109580601	D-12-23 14ABB		4269	32° 23' 53.8'' / 109° 58' 6.9''	285	285	U	U	Annually	12/01/05	197.0	4072.0	V		
322338109580601	D-12-23 14ABC	515771	4275	32° 23' 41.4'' / 109° 58' 7.6''	1053	1053	W	I		12/01/05	195.0	4080.0	V		
322323109583601	D-12-23 14CBB		4272	32° 23' 25.9'' / 109° 58' 39.7''	266	266	W	I		12/01/05	188.5	4083.5	V		
322315109580801	D-12-23 14DBC	800469	4264	32° 23' 15'' / 109° 58' 7.6''	1000	1000	W	I		12/01/05	195.2	4068.8	V		
322245110004001	D-12-23 21BBC	611032	4418	32° 22' 48.2'' / 110° 0' 45.4''	805	805	U	U		12/07/05	318.5	4099.5	V		
322214109573401	D-12-23 24CCC		4257	32° 22' 13.6'' / 109° 57' 36.3''			W	I		11/28/05	181.3	4075.7	V		
322231109564001	D-12-23 24DAA		4255	32° 22' 36.3'' / 109° 56' 41.7''			U	U		12/01/05	184.5	4070.5	V		
322207109564801	D-12-23 25AAA		4248	32° 22' 9.7'' / 109° 56' 42.9''	455	455	W	I		11/28/05	176.4	4071.6	V		
322207109570201	D-12-23 25ABB2	611292	4248	32° 22' 9.5'' / 109° 57' 1.3''	350	350	W	I		11/28/05	171.7	4076.3	V		
322144109571401	D-12-23 25CAA	628511	4251	32° 21' 43.4'' / 109° 57' 13.4''	650	650	W	I		11/28/05	181.5	4069.5	V		
322123109571901	D-12-23 25CDC2		4256	32° 21' 23'' / 109° 57' 19''			W	H		11/28/05	148.7	4107.3	V		
322038110014801	D-12-23 31DAD	611050	4740	32° 20' 38'' / 110° 1' 47.7''	777	777	W	H		12/13/05	645.3	4094.7	V		
322039109592201	D-12-23 34CAC	615856	4423	32° 20' 38.5'' / 109° 59' 22.4''	500	500	W	S		12/13/05	324.2	4098.8	V		
322115109563901	D-12-23 36AAA	805849	4238	32° 21' 15'' / 109° 56' 39''			U	U		12/01/05			V	D	
322001109564901	D-12-23 36DDC		4237	32° 20' 25.9'' / 109° 56' 50.5''			W	S		12/13/05	150.0	4087.0	V		
322503109513301	D-12-24 02DAD	615857	4445	32° 25' 4.3'' / 109° 51' 34.6''	420	420	W	S		12/06/05	375.9	4069.1	V		
322510109540501	D-12-24 04CAA	605564	4334	32° 25' 11.9'' / 109° 54' 2.8''	790	790	W	I		12/01/05	262.2	4071.8	V		
322513109550401	D-12-24 05ACC	605566	4305	32° 25' 13.5'' / 109° 55' 5.9''	342	342	Z	U		12/01/05	196.4	4108.6	V		
322508109543501	D-12-24 05DAA		4313	32° 25' 12.4'' / 109° 54' 36.3''	800	800	U	U		12/01/05	241.0	4072.0	V		
322447109553701	D-12-24 07AAA	500122	4281	32° 24' 46.5'' / 109° 55' 38.7''	1000	1000	W	I		12/01/05	206.2	4074.8	V		
322419109550801	D-12-24 08CAA	606938	4275	32° 24' 20.5'' / 109° 55' 10''	300	300	U	U		12/02/05	190.5	4084.5	V		
322420109553101	D-12-24 08CBB	606939	4269	32° 24' 20.5'' / 109° 55' 33''			W	I		12/02/05	196.3	4072.7	V		
322419109543401	D-12-24 08DAA2	612831	4277	32° 24' 18.7'' / 109° 54' 35.2''	1200	1200	U	U		12/02/05	209.5	4067.5	V		
322350109505901	D-12-24 13ABB1	605439	4418	32° 23' 52.2'' / 109° 50' 58.8''	450	450	W	H		12/06/05	351.6	4066.4	V		
322335109553001	D-12-24 17CBB	619513	4260	32° 23' 27.7'' / 109° 55' 35.9''	148	148	U	U		12/08/05	192.5	4067.5	V		
322337109560201	D-12-24 18ACB		4261	32° 23' 35'' / 109° 56' 5.6''			W	I		12/01/05	203.4	4057.6	V		
322350109563301	D-12-24 18BBB	608488	4266	32° 23' 53.7'' / 109° 56' 38.1''	600	600	W	I		12/01/05	209.3	4056.7	V		
322059109555001	D-12-24 19AAB3		4254	32° 23' 1.7'' / 109° 55' 50.8''	498	498	W	I		12/08/05	189.6	4064.4	V		
322259109553101	D-12-24 20BBB1	808910	4255	32° 23' 0.3'' / 109° 55' 36.8''	233	233	W	H		12/08/05	193.1	4061.9	V		
322235109550601	D-12-24 20CAA2	626854	4246	32° 22' 35.4'' / 109° 55' 6.3''	2180	2180	W	I		12/01/05	198.3	4047.7	V		
322220109553201	D-12-24 20CBC	626855	4245	32° 22' 23.2'' / 109° 55' 34.2''	1400	1400	W	I		12/01/05	180.5	4064.5	V		
322218109550001	D-12-24 20DCB	626853	4243	32° 22' 22.8'' / 109° 55' 3.9''	424	424	W	H		12/01/05	169.7	4073.3	V		
322204109523501	D-12-24 27AAA	611274	4275	32° 22' 9'' / 109° 52' 32.4''	1000	1000	W	I		12/01/05	224.9	4050.1	V		
322204109533601	D-12-24 28AAA	651311	4244	32° 22' 7.7'' / 109° 53' 33.3''	800	800	U	U		12/01/05	246.7	3997.3	V		
322144109540301	D-12-24 28ACC		4234	32° 21' 43.5'' / 109° 54' 2.7''			U	U		12/01/05	142.1	4091.9	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322144109533301	D-12-24 28ADD		4238	32° 21' 43.3'' / 109° 53' 33.3''			U	U		12/01/05	170.5	4067.5	V		
322204109550801	D-12-24 29ABB	619524	4240	32° 22' 9.5'' / 109° 55' 2.8''	700	700	W	I		12/01/05	173.1	4066.9	V		
322150109544801	D-12-24 29ADC	601379	4236	32° 21' 50'' / 109° 54' 48.8''	960	960	W	I		12/01/05	165.3	4070.7	V		
322206109553001	D-12-24 29BBB2	619523	4241	32° 22' 9.9'' / 109° 55' 29.9''	613	613	W	I		12/01/05	164.3	4076.7	V		
322202109553301	D-12-24 29BBC	619521	4240	32° 22' 1.5'' / 109° 55' 32.6''			W	I		12/01/05	169.0	4071.0	V		
322156109553401	D-12-24 29BCB	619522	4239	32° 21' 56.4'' / 109° 55' 34.4''			U	U		12/01/05	166.7	4072.3	V		
322143109553001	D-12-24 29CBB2		4237	32° 21' 42.1'' / 109° 55' 30.4''			U	U		12/01/05			V	O	
322143109553201	D-12-24 29CBB3		4237	32° 21' 40.9'' / 109° 55' 27.5''			U	U		12/01/05	166.5	4070.5	V		
322124109551501	D-12-24 29CDB		4237	32° 21' 30.9'' / 109° 55' 34.6''	268	268	U	U		12/01/05	163.5	4073.5	V		
322140109550001	D-12-24 29DBA		4234	32° 21' 43.5'' / 109° 54' 49.7''	177	177	W	I		12/01/05	141.9	4092.1	V		
322157109560501	D-12-24 30ACB		4242	32° 21' 56.7'' / 109° 56' 5.8''			W	I		12/01/05	175.6	4066.4	V		
322142109561301	D-12-24 30CAB1		4241	32° 21' 43.4'' / 109° 56' 16.7''			U	U		12/01/05	165.2	4075.8	V		
322130109560901	D-12-24 30CAD		4238	32° 21' 31.3'' / 109° 56' 7.8''	205	205	W	H		12/01/05	162.0	4076.0	V		
322141109562201	D-12-24 30CBA	610722	4242	32° 21' 43.4'' / 109° 56' 27.2''	216	216	U	U		12/01/05	162.4	4079.6	V		
322143109563601	D-12-24 30CBB	610721	4243	32° 21' 43.2'' / 109° 56' 36''	795	795	U	U		12/01/05	174.9	4068.1	V		
322143109555301	D-12-24 30DBA		4238	32° 21' 43.4'' / 109° 55' 53.5''			W	I		12/01/05	172.3	4065.7	V		
322112109560301	D-12-24 31ABB1	610716	4236	32° 21' 17.2'' / 109° 56' 5.8''	215	215	W	I		12/05/05	159.3	4076.7	V		
322112109562201	D-12-24 31BBA1	610719	4237	32° 21' 16.6'' / 109° 56' 23''	378	378	W	I		12/05/05	161.8	4075.2	V		
322048109563501	D-12-24 31CBB	624454	4237	32° 20' 49.4'' / 109° 56' 36.3''			W	H		12/05/05	157.1	4079.9	V		
322036109563501	D-12-24 31CCB2	624450	4236	32° 20' 36.5'' / 109° 56' 35.5''	1000	1000	U	U		12/05/05	156.8	4079.2	V		
322038109560601	D-12-24 31DCB	624451	4231	32° 20' 38'' / 109° 56' 5.3''	600	600	U	U		12/05/05	155.3	4075.7	V		
322117109545501	D-12-24 32ABA		4229	32° 21' 17.1'' / 109° 54' 55.9''			W	I		12/05/05	158.4	4070.6	V		
322113109550001	D-12-24 32ABB2		4230	32° 21' 11.3'' / 109° 55' 4.5''	450	450	W	I		12/05/05	156.5	4073.5	V		
322113109552301	D-12-24 32BBA		4232	32° 21' 17'' / 109° 55' 19.6''	450	450	U	U		12/05/05	157.5	4074.5	V		
322114109553301	D-12-24 32BBB2		4233	32° 21' 16.3'' / 109° 55' 34.4''			U	U		12/05/05	157.8	4075.2	V		
322101109553001	D-12-24 32BCB	617455	4231	32° 21' 4.4'' / 109° 55' 34.5''	235	235	W	H		12/05/05	152.0	4079.0	V		
322038109553501	D-12-24 32CCB		4227	32° 20' 38.2'' / 109° 55' 34.2''	700	700	W	I		12/05/05	157.7	4069.3	V		
322051109545701	D-12-24 32DBA		4226	32° 20' 50.9'' / 109° 54' 56.7''			U	U		12/05/05	151.9	4074.1	V		
322038109550301	D-12-24 32DCB		4224	32° 20' 38.2'' / 109° 55' 4.4''	250	250	U	U		12/05/05	149.3	4074.7	V		
322033109543701	D-12-24 32DDA		4224	32° 20' 36.8'' / 109° 54' 39.5''	500	500	U	U		12/05/05	149.4	4074.6	V		
322117109542401	D-12-24 33BBA	611072	4228	32° 21' 17.1'' / 109° 54' 23.9''	600	600	U	U		12/06/05	151.9	4076.1	V		
322049109542901	D-12-24 33CBB1		4226	32° 20' 51.2'' / 109° 54' 33.4''	142	142	U	U		12/06/05			V	D	
322051109543401	D-12-24 33CBB2		4226	32° 20' 51.1'' / 109° 54' 33.5''			W	I		12/06/05	148.3	4077.7	V		
322037109543401	D-12-24 33CCB		4223	32° 20' 37.7'' / 109° 54' 35.5''			U	U		12/06/05	141.3	4081.7	V		
322051109534801	D-12-24 33DAB	611068	4225	32° 20' 51'' / 109° 53' 47.7''			U	U		12/06/05	154.2	4070.8	V		
322048109535901	D-12-24 33DBB	611067	4225	32° 20' 51.1'' / 109° 54' 2.8''	400	400	U	U		12/06/05	147.2	4077.8	V		
322055109530501	D-12-24 34BDD2		4227	32° 20' 56.4'' / 109° 53' 4.9''			W	H		12/06/05	144.3	4082.7	V		
322040109530301	D-12-24 34CAD		4224	32° 20' 36.7'' / 109° 53' 2.1''			W	I		12/06/05	157.8	4066.2	V		
322048109523101	D-12-24 34DAA		4229	32° 20' 50.4'' / 109° 52' 32''	454	454	W	I		12/06/05	150.7	4078.3	V		
322110109520401	D-12-24 35BAA		4255	32° 21' 15.4'' / 109° 52' 1.4''	936	936	W	I		12/06/05	192.0	4063.0	V		
322526109473401	D-12-25 04AAD	641477	4754	32° 25' 26.6'' / 109° 47' 32.9''	352	352	W	U		12/06/05	293.7	4460.3	V		
322439109455201	D-12-25 11ABB	615858	4759	32° 24' 41'' / 109° 45' 52.6''	300	300	W	U		12/06/05	185.0	4574.0	V		
322315109462201	D-12-25 14CBC	615859	4604	32° 23' 15'' / 109° 46' 22.3''	300	300	W	S		12/05/05	218.3	4385.7	V		
322112109470901	D-12-25 34BAB	615860	4396	32° 21' 11.6'' / 109° 47' 9.8''	84	84	W	S		12/06/05	47.5	4348.5	V		
322020110010201	D-13-23 05ABA	615905	4630	32° 20' 20.6'' / 110° 1' 0.3''	700	700	W	S		12/13/05	538.1	4091.9	V		
321933109563701	D-13-23 12AAA		4226	32° 19' 32.6'' / 109° 56' 36.6''			U	U		12/06/05	153.2	4072.8	V		
321932109565401	D-13-23 12ABA		4229	32° 19' 32.1'' / 109° 56' 53.9''			W	I		12/06/05	155.3	4073.7	V		
321515109564201	D-13-23 36DDD2	615909	4330	32° 15' 15'' / 109° 56' 42''	262	262	W	S		12/13/05	241.0	4089.0	V		
322007109502901	D-13-24 01ADA	628491	4234	32° 20' 6.1'' / 109° 50' 28.8''			W	I		12/05/05	164.4	4069.6	V		
322024109513001	D-13-24 01BBB	611278	4228	32° 20' 24'' / 109° 51' 29''			W	S		12/06/05				O	
322024109515501	D-13-24 02ABB2	611279	4224	32° 20' 23.2'' / 109° 51' 55.1''			U	U		12/06/05	105.6	4118.4	V		
321948109523001	D-13-24 02CCB2	623391	4214	32° 19' 45.9'' / 109° 52' 30.2''	236	236	W	I		12/06/05	125.5	4088.5	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322008109523401	D-13-24 03ADA		4219	32° 20' 11.8'' / 109° 52' 31.6''	266	266	W	I	Annually	11/28/05	131.0	4088.0	V		
321959109533201	D-13-24 03CBB		4217	32° 19' 58.4'' / 109° 53' 31.8''	154	154	W	H		12/06/05	136.0	4081.0	V		
322023109535801	D-13-24 04ABB	634505	4223	32° 20' 23.4'' / 109° 53' 57.9''			U	U		12/06/05	142.1	4080.9	V		
322022109543101	D-13-24 04BBB2	621571	4224	32° 20' 24.7'' / 109° 54' 30.8''	600	600	W	I		12/06/05	148.6	4075.4	V		
321959109542001	D-13-24 04CAB3	608805	4219	32° 19' 58.8'' / 109° 54' 19.9''	225	225	W	I		12/07/05	144.2	4074.8	V		
321952109541801	D-13-24 04CAC		4218	32° 19' 52'' / 109° 54' 19.9''			W	I		12/07/05	140.9	4077.1	V		
322014109550001	D-13-24 05ABC	611064	4222	32° 20' 13.1'' / 109° 55' 1.4''	600	600	W	I		12/07/05	151.2	4070.8	V		
322023109551301	D-13-24 05BAB2	611062	4224	32° 20' 22.6'' / 109° 55' 13.3''	1400	1400	W	I	none	12/07/05	141.0	4083.0	V		
322025109553501	D-13-24 05BBB1		4226	32° 20' 24.8'' / 109° 55' 34.6''	400	400	U	U		12/07/05	146.9	4079.1	V		
322021109553501	D-13-24 05BBB2		4226	32° 20' 21'' / 109° 55' 34.6''			W	I		12/07/05	150.9	4075.1	V		
321941109553101	D-13-24 05CCB2	619477	4221	32° 19' 43.7'' / 109° 55' 34.2''	204	204	W	I	Annually	11/30/05	145.6	4075.4	V		
321959109545001	D-13-24 05DBA	611066	4219	32° 19' 58.9'' / 109° 54' 48.4''	600	600	W	I		12/07/05	146.8	4072.2	V		
321959109545901	D-13-24 05DBB	611065	4219	32° 19' 59.2'' / 109° 55' 1''	600	600	W	I		12/07/05	147.8	4071.2	V		
321925109560501	D-13-24 07ACB2	624433	4222	32° 19' 17.6'' / 109° 56' 5.5''	353	353	W	I		12/07/05	138.0	4084.0	V		
321902109560601	D-13-24 07DBB	502862	4219	32° 19' 3.9'' / 109° 56' 5.4''	735	735	W	I		12/07/05	139.8	4079.2	V		
321933109545001	D-13-24 08ABA	631718	4217	32° 19' 32.7'' / 109° 54' 49.7''	350	350	W	I		12/07/05	140.9	4076.1	V		
321931109550301	D-13-24 08ABB	631719	4216	32° 19' 30.8'' / 109° 55' 3.3''	158	158	U	U		12/07/05	141.1	4074.9	V		
321933109553401	D-13-24 08BBB2	609555	4219	32° 19' 32.7'' / 109° 55' 33.5''	400	400	W	I		12/07/05	144.1	4074.9	V		
321914109553001	D-13-24 08BCB	609553	4218	32° 19' 15.7'' / 109° 55' 32.1''	500	500	W	H		12/07/05	137.8	4080.2	V		
321908109553401	D-13-24 08BCC1	609554	4220	32° 19' 11.7'' / 109° 55' 34.1''	400	400	W	I		12/07/05	137.1	4082.9	V		
321933109535801	D-13-24 09ABB2		4216	32° 19' 32.6'' / 109° 53' 56.1''	250	250	U	U		12/07/05	135.4	4080.6	V		
321906109541601	D-13-24 09CAB2	609036	4213	32° 19' 6.6'' / 109° 54' 15.5''	403	403	W	I		12/08/05	133.4	4079.6	V		
321906109534701	D-13-24 09DAB		4212	32° 19' 6.7'' / 109° 53' 46.1''			U	U		12/08/05	135.0	4077.0	V		
321931109532301	D-13-24 10BBA	626691	4214	32° 19' 32.6'' / 109° 53' 18.6''	306	306	U	U		12/08/05	129.0	4085.0	V		
321930109533001	D-13-24 10BBB1		4215	32° 19' 32.6'' / 109° 53' 31.3''	300	300	U	U		12/08/05	131.2	4083.8	V		
321933109513001	D-13-24 11AAA	618280	4210	32° 19' 32.5'' / 109° 51' 29.9''	605	605	W	I		12/05/05	136.0	4074.0	V		
321930109514701	D-13-24 11ABA	618281	4210	32° 19' 32.2'' / 109° 51' 44''	248	248	W	I		12/05/05	118.7	4091.3	V	K	
321933109521401	D-13-24 11BAB	618284	4212	32° 19' 33.1'' / 109° 52' 13.6''	553	553	W	I		12/05/05	116.7	4095.3	V		
321933109522301	D-13-24 11BBA2	618283	4212	32° 19' 32.7'' / 109° 52' 25.5''			U	U		12/06/05	119.8	4092.2	V		
321922109523001	D-13-24 11BBC2		4211	32° 19' 21'' / 109° 52' 29.2''			U	U		12/06/05	115.5	4095.5	V		
321907109512801	D-13-24 12CBB	622681	4207	32° 19' 6.8'' / 109° 51' 28.4''	200	200	W	I		12/05/05	93.4	4113.6	V		
321859109512801	D-13-24 12CBC	622691	4205	32° 19' 0.3'' / 109° 51' 28.7''	150	150	W	H		12/05/05	93.4	4111.6	V	R	
321813109513201	D-13-24 14DAA	647751	4198	32° 18' 13'' / 109° 51' 32''	106	106	W	H		12/01/05	81.1	4116.9	V		
321841109530301	D-13-24 15BAA		4207	32° 18' 40.5'' / 109° 53' 3.2''	105	105	U	U		12/08/05			V	D	
321840109531801	D-13-24 15BBA1		4208	32° 18' 40.4'' / 109° 53' 18.8''	164	164	U	U		12/08/05	112.8	4095.2	V		
321838109532801	D-13-24 15BBB		4208	32° 18' 40.6'' / 109° 53' 31.5''	395	395	U	U		12/08/05	115.5	4092.5	V		
321814109531401	D-13-24 15CAB		4204	32° 18' 14.3'' / 109° 53' 13.1''			U	U		12/08/05	100.9	4103.1	V		
321814109533101	D-13-24 15CBB		4205	32° 18' 14.3'' / 109° 53' 29.9''			U	U		12/08/05	98.6	4106.4	V		
321834109543001	D-13-24 16BBB	805474	4212	32° 18' 40.2'' / 109° 54' 33.1''	1356	1356	U	U	Annually	11/28/05	125.6	4086.4	V		
321827109553401	D-13-24 17BCB	625765	4213	32° 18' 27.4'' / 109° 55' 34.1''	500	500	W	I		12/07/05	124.7	4088.3	V		
321825109551701	D-13-24 17BDB	625766	4210	32° 18' 27.3'' / 109° 55' 16.2''	500	500	W	I		12/07/05	124.7	4085.3	V		
321810109553401	D-13-24 17CBB	625767	4212	32° 18' 14.7'' / 109° 55' 34''	500	500	W	I		12/07/05	122.1	4089.9	V		
321800109553501	D-13-24 17CCB	624430	4210	32° 18' 1.1'' / 109° 55' 34''	505	505	W	I		12/07/05	115.1	4094.9	V		
321840109554301	D-13-24 18AAB	625764	4214	32° 18' 40.3'' / 109° 55' 43.6''	380	380	W	I		12/07/05	129.5	4084.5	V		
321836109560101	D-13-24 18ABB	625769	4215	32° 18' 40.3'' / 109° 56' 5.3''	568	568	U	U		12/07/05	133.7	4081.3	S		
321800109560601	D-13-24 18DCB	624428	4213	32° 18' 0.5'' / 109° 56' 4.7''	475	475	U	U		12/07/05	121.4	4091.6	V		
321748109545801	D-13-24 20ABB		4207	32° 17' 47.4'' / 109° 54' 55.8''	160	160	U	U		12/07/05	89.8	4117.2	V		
321747109535301	D-13-24 21ABA		4203	32° 17' 48.4'' / 109° 53' 56''	160	160	U	U		12/08/05	97.0	4106.0	V		
321747109542001	D-13-24 21BAB		4205	32° 17' 48.1'' / 109° 54' 17.3''	100	100	U	U		12/08/05	96.0	4109.0	V		
321748109543401	D-13-24 21BBB	601894	4206	32° 17' 48'' / 109° 54' 32.4''	600	600	W	I		12/08/05	94.6	4111.4	V		
321722109535601	D-13-24 21DBB	628922	4201	32° 17' 22.3'' / 109° 53' 55.7''	1065	1065	W	I		12/08/05	94.2	4106.8	V		
321724109532901	D-13-24 22BCC1		4200	32° 17' 26'' / 109° 53' 28.1''			W	H		12/08/05	88.5	4111.5	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321726109533101	D-13-24 22BCC2		4200	32° 17' 26'' / 109° 53' 30.7''			W	I		12/08/05	88.3	4111.7	V		
321722109513001	D-13-24 23DAA	649016	4191	32° 17' 19.8'' / 109° 51' 30.1''	120	120	W	H		12/01/05	69.6	4121.4	V		
321628109521501	D-13-24 26CAB		4187	32° 16' 29.8'' / 109° 52' 15.6''			W	H		12/01/05	66.6	4120.4	V		
321655109531201	D-13-24 27BAA		4194	32° 16' 55.9'' / 109° 53' 7.2''			W	I		12/08/05	75.5	4118.5	V		
321651109544601	D-13-24 29AAB1	606868	4200	32° 16' 55.5'' / 109° 54' 48.1''	100	100	W	I		12/12/05	85.1	4114.9	V		
321653109545901	D-13-24 29ABB	542071	4203	32° 16' 54.3'' / 109° 55' 1.3''	110	110	W	H		12/12/05	81.7	4121.3	V	R	
321600109541601	D-13-24 33BBA		4193	32° 16' 3.6'' / 109° 54' 17.8''	155	155	W	S		12/08/05	68.8	4124.2	V		
321601109525801	D-13-24 34ABB		4187	32° 16' 3'' / 109° 52' 59.4''	138	138	U	U		12/12/05	62.8	4124.2	V		
321559109520401	D-13-24 35BAA	617638	4183	32° 16' 3.9'' / 109° 51' 58''	143	143	W	I		12/01/05	58.6	4124.4	V		
321559109522401	D-13-24 35BBB		4185	32° 16' 9.5'' / 109° 52' 29.1''	757	757	W	I		12/01/05	61.2	4123.8	V		
321537109520101	D-13-24 35CAA2	622887	4180	32° 15' 36.5'' / 109° 52' 1.9''			W	H		12/01/05	53.9	4126.1	V		
321538109520101	D-13-24 35CAA3		4180	32° 15' 36.7'' / 109° 52' 2.2''			W	I		12/01/05	54.1	4125.9	V	V	
321538109520901	D-13-24 35CAB	622883	4182	32° 15' 38.2'' / 109° 52' 8.6''			W	I		12/01/05	53.9	4128.1	V		
321544109502801	D-13-24 36ADA	628920	4173	32° 15' 44.7'' / 109° 50' 28.6''	80	80	W	I		12/02/05	41.0	4132.0	V		
321931109482401	D-13-25 09BBB2		4252	32° 19' 31.9'' / 109° 48' 25.1''			U	U		12/06/05			V	D	
321844109475401	D-13-25 09DCC		4251	32° 18' 43.4'' / 109° 47' 55.3''	96	96	W	H		12/06/05	183.1	4067.9	V		
321845109471301	D-13-25 10CCD2	621985	4287	32° 18' 43.7'' / 109° 47' 14.3''	500	500	W	P		12/07/05	198.5	4088.5	V	K	
321842109470001	D-13-25 10CDD		4301	32° 18' 44.6'' / 109° 47' 11.1''			W	S		12/07/05	228.6	4072.4	V		
321000109485501	D-13-25 17DCB		4208	32° 18' 0.9'' / 109° 48' 53.1''			W	H		12/07/05	101.5	4106.5	V		
321802109494901	D-13-25 18DBD	86480	4194	32° 18' 1.4'' / 109° 49' 50.1''			W	H		12/07/05	108.0	4086.0	V		
321736109473801	D-13-25 21AAC		4214	32° 17' 35.4'' / 109° 47' 37.6''	500	500	U	U	Annually	12/07/05	127.2	4086.8	V		
321747109475401	D-13-25 21ABB	800518	4223	32° 17' 48.1'' / 109° 47' 49.7''	283	283	W	P		12/07/05	140.5	4082.5	V		
321736109475301	D-13-25 21ACB	611246	4212	32° 17' 36.3'' / 109° 47' 49.3''	500	500	U	U		12/07/05	128.2	4083.8	V		
321732109472401	D-13-25 21ADA	611246	4219	32° 17' 34.6'' / 109° 47' 26.3''	535	535	W	H		12/07/05	136.7	4082.3	V		
321720109472301	D-13-25 22CBB	608085	4208	32° 17' 22'' / 109° 47' 23.4''	275	275	U	U		12/07/05	101.0	4107.0	V		
321654109484701	D-13-25 29ABA		4179	32° 16' 55.1'' / 109° 48' 48.4''			W	S		12/07/05	50.8	4128.2	V		
321627109502101	D-13-25 30CBB2		4179	32° 16' 29.4'' / 109° 50' 25.6''			U	U		12/02/05	51.0	4128.0	V		
321606109493701	D-13-25 30DDC		4172	32° 16' 6.6'' / 109° 49' 35.5''			W	H		12/07/05	43.6	4128.4	V		
321533109500701	D-13-25 31CAB2		4169	32° 15' 36'' / 109° 50' 13''			Z	I		12/07/05			V	W	
321336110032801	D-14-22 12CDC	615961	4650	32° 13' 36'' / 110° 3' 28''	250	250	W	S	Annually	12/14/05	115.5	4534.5	V		
321222110032501	D-14-22 24BDB	805473	4659	32° 12' 27.2'' / 110° 3' 34.6''	525	525	W	S		12/14/05	452.7	4206.3	V		
321457109595501	D-14-23 04ADB	615964	4555	32° 14' 55.6'' / 109° 59' 55.4''			W	S		12/08/05	227.3	4327.7	V		
320837110003801	D-14-23 09CBC	632518	4519	32° 13' 45.2'' / 110° 0' 41.3''	600	600	W	H		12/13/05	256.4	4262.6	V		
321330109594601	D-14-23 09DDD		4436	32° 13' 32.6'' / 109° 59' 45.7''			W	H		12/13/05	338.1	4097.9	V		
321415109585701	D-14-23 10AAB	514874	4438	32° 14' 16'' / 109° 58' 52''	401	401	W	H		12/08/05	338.2	4099.8	V		
321402109593801	D-14-23 10BCB	530366	4470	32° 14' 2.5'' / 109° 59' 38.1''	480	480	U	U		12/13/05	346.2	4123.8	V		
321415109564001	D-14-23 12AAA	504911	4309	32° 14' 14.7'' / 109° 56' 39.2''			W	H		12/08/05	216.0	4093.0	V		
321414109573001	D-14-23 12BBB2	608286	4357	32° 14' 15.5'' / 109° 57' 30.89''	325	325	W	I	Annually	12/08/05	268.9	4088.1	V		
321340109573001	D-14-23 12CBD	608287	4335	32° 13' 40.3'' / 109° 57' 22.8''	550	550	W	I		12/08/05	178.8	4156.2	V		
321340109565301	D-14-23 12DDB	608289	4308	32° 13' 39.5'' / 109° 56' 51.9''			U	U		12/08/05	216.0	4092.0	V		
321314109573001	D-14-23 13BBD	502797	4314	32° 13' 14.3'' / 109° 57' 23''	477	477	W	I		12/08/05	216.8	4097.2	V		
321258109571501	D-14-23 13CAA		4291	32° 12' 59.8'' / 109° 57' 6.3''			W	I		12/08/05	192.8	4098.2	V		
321232109564001	D-14-23 24AAA	610879	4249	32° 12' 33.7'' / 109° 56' 39''	415	415	W	H		12/08/05	154.7	4094.3	V		
321049109570801	D-14-23 36BAA2	651307	4205	32° 10' 49.5'' / 109° 57' 8.6''			W	S		12/13/05	84.0	4121.0	V		
321511109512701	D-14-24 01BBB	616892	4173	32° 15' 11.1'' / 109° 51' 27.4''	300	300	W	T		11/28/05	45.6	4127.4	V		
321430109502701	D-14-24 01DDA		4165	32° 14' 31.7'' / 109° 50' 28.3''			W	S		12/15/05			V	D	
321435109520401	D-14-24 02CAD	641936	4173	32° 14' 35.1'' / 109° 52' 0.3''	100	100	W	H		12/07/05	40.7	4132.3	V		
321420109522201	D-14-24 02CCD3	602567	4174	32° 14' 21.4'' / 109° 52' 20.1''	70	70	W	H		12/07/05	39.5	4134.5	V		
321439109532801	D-14-24 03CBB	648248	4182	32° 14' 39.1'' / 109° 53' 28.6''	60	60	W	P		12/07/05	49.5	4132.5	V		
321509109545101	D-14-24 05ABA	637597	4194	32° 15' 10.1'' / 109° 54' 51.6''	380	380	W	H		12/09/05	103.9	4090.1	V		
321354109531801	D-14-24 10BCD	643055	4174	32° 13' 54.2'' / 109° 53' 16.9''	78	78	W	S		12/07/05	40.3	4133.7	V		
321350109524701	D-14-24 10DBA		4172	32° 13' 49.5'' / 109° 52' 47''			U	U		12/07/05	39.4	4132.6	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321353109522901	D-14-24 11CBB2		4172	32° 13' 52.6'' / 109° 52' 27.6''	96	96	W	P		12/07/05	37.1	4134.9	V		
321314109513101	D-14-24 11DAD		4165	32° 13' 44.1'' / 109° 51' 29.9''			W	P		12/15/05	29.4	4135.6	V		
321412109510101	D-14-24 12BAD		4165	32° 14' 10.9'' / 109° 51' 0.3''			W	H		12/15/05	30.6	4134.4	V		
321407109512601	D-14-24 12BBC		4168	32° 14' 7.4'' / 109° 51' 27.2''			U	U		12/15/05	32.6	4135.4	V		
321352109502901	D-14-24 12DAA		4160	32° 13' 52.2'' / 109° 50' 28.3''			U	U		12/15/05	24.2	4135.8	V		
321350109504501	D-14-24 12DBA		4162	32° 13' 51.2'' / 109° 50' 45.2''			U	U		12/15/05			V	D	DRY AT 25 FT
321257109512801	D-14-24 13CBB2	628473	4162	32° 12' 56.7'' / 109° 51' 27.6''	40	40	W	H		12/15/05	29.7	4132.3	V		
321259109512801	D-14-24 13CBB3	628471	4162	32° 12' 58.2'' / 109° 51' 24.4''	103	103	W	I		12/15/05	28.3	4133.7	V		
321323109521701	D-14-24 14BBA2	635009	4170	32° 13' 25.2'' / 109° 52' 14.9''	70	70	W	H	Annually	12/07/05	33.0	4137.0	V		
321258109522401	D-14-24 14CBB		4165	32° 13' 0.5'' / 109° 52' 24.8''			W	S		12/07/05	28.3	4136.7	V		
321301109523101	D-14-24 15ADD		4165	32° 13' 0.7'' / 109° 52' 31.9''			W	S		12/07/05	28.2	4136.8	V		
321210109523501	D-14-24 22ADD		4156	32° 12' 11.3'' / 109° 52' 35.8''	56	56	W	S		12/07/05	22.2	4133.8	V		
321047109561201	D-14-24 31BAB		4178	32° 10' 48.8'' / 109° 56' 13.3''			W	S		12/15/05	54.6	4123.4	V		
321432109485301	D-14-25 05DCB		4160	32° 14' 31.2'' / 109° 48' 53.4''			W	H		11/30/05	20.0	4140.0	V		
321447109502501	D-14-25 06BCC2		4166	32° 14' 46.7'' / 109° 50' 23.6''			W	H		12/15/05	28.7	4137.3	V		
321440109500501	D-14-25 06CAA		4160	32° 14' 39.8'' / 109° 50' 5''			W	N		12/15/05	28.5	4131.5	V		
321410109492901	D-14-25 07AAD2		4160	32° 14' 10'' / 109° 49' 29.4''			U	U		12/15/05	18.2	4141.8	V		
321400109492701	D-14-25 07ADD		4160	32° 13' 59.1'' / 109° 49' 26.9''			U	U		12/15/05	18.3	4141.7	V		
321413109492701	D-14-25 08BBB		4158	32° 14' 12.9'' / 109° 49' 25.9''			U	U		12/14/05	18.5	4139.5	V		
321357109491901	D-14-25 08BCD		4161	32° 13' 55.5'' / 109° 49' 18''			U	U		12/15/05	185.4	3975.6	V		
321414109463201	D-14-25 10AAB		4185	32° 14' 18.9'' / 109° 46' 32.8''			W	H		12/14/05	47.0	4138.0	V		
321322109455301	D-14-25 11CAA	615968	4203	32° 13' 51.8'' / 109° 45' 52.7''	100	100	W	S		12/14/05	64.9	4138.1	V		
321221109471301	D-14-25 22BBD2	615973	4170	32° 12' 21'' / 109° 47' 13''			W	S		12/14/05	28.5	4141.5	V		
321220109442101	D-14-25 24ADA	609501	4220	32° 12' 16.7'' / 109° 44' 19.2''	650	650	U	U		11/29/05	206.9	4013.1	V	K	
321223109445601	D-14-25 24BAD	609509	4206	32° 12' 23'' / 109° 44' 55''	500	500	W	S		11/29/05	69.4	4136.6	V		
321057109451301	D-14-25 25CCC	644456	4184	32° 10' 56.9'' / 109° 45' 12.4''	100	100	W	S		12/14/05	55.8	4128.2	V		
321026109453801	D-14-25 35ACD	627503	4162	32° 10' 26'' / 109° 45' 38''	70	70	U	U		12/14/05			V	O	
321406109435001	D-14-26 07BAD4	532945	4255	32° 14' 8.2'' / 109° 43' 50''	341	341	W	H		11/29/05	224.9	4030.1	V	R	
321324109432201	D-14-26 18AAA	603161	4278	32° 13' 26.1'' / 109° 43' 19.5''	596	542.5	U	U		11/29/05	249.8	4028.2	V		
321303109432101	D-14-26 18ADD	603162	4277	32° 13' 4.7'' / 109° 43' 19.5''	500	500	W	I		11/29/05	262.7	4014.3	V		
321303109435201	D-14-26 18CAA1		4245	32° 12' 59.9'' / 109° 43' 48.3''	500	500	W	I	Annually	11/29/05	229.4	4015.6	V		
321257109434801	D-14-26 18CAA2	603163	4245	32° 12' 56.3'' / 109° 43' 50.3''	200	200	W	H		11/29/05	113.2	4131.8	V		
321239109434901	D-14-26 18CDD	603157	4243	32° 12' 37.1'' / 109° 43' 48.9''	305	305	U	U		11/29/05	135.5	4107.5	V		
321251109432001	D-14-26 18DAD	603160	4274	32° 12' 53.2'' / 109° 43' 19.7''	700	700	W	H		11/29/05	259.8	4014.2	V		
321148109431101	D-14-26 20CCB	609832	4275	32° 11' 49.1'' / 109° 43' 15.1''	500	500	W	S		11/29/05	234.7	4040.3	V		
321100109364401	D-14-27 29CDA	632141	5223	32° 11' 0.1'' / 109° 36' 44.3''	70	70	W	H		12/12/05	47.5	5175.5	V		
321031109365601	D-14-27 32BCA1	650170	5075	32° 10' 30.9'' / 109° 36' 55.8''	35	35	W	H		12/12/05			V	D	DRY AT 47.9'
321032109365601	D-14-27 32BCA2	209141	5075	32° 10' 31.7'' / 109° 36' 55.6''	256	250	W	H		12/12/05	49.0	5026.0	V		
321030109370301	D-14-27 32BCB		5050	32° 10' 29.2'' / 109° 37' 3.6''			W	H		12/12/05	48.2	5001.8	V		
320634109585301	D-15-23 22DDC2		4428	32° 6' 34.5'' / 109° 58' 52.7''			W	S		11/29/05	307.1	4120.9	V		
320612109573801	D-15-23 25BCB		4360	32° 6' 11.1'' / 109° 57' 38''			W	H		11/29/05	270.4	4089.6	V		
320936109562401	D-15-24 06BCD	805442	4190	32° 9' 32.7'' / 109° 56' 20.6''	150	150	W	S		12/13/05	77.1	4112.9	V		
320830109550901	D-15-24 08CDA	629684	4171	32° 8' 22.2'' / 109° 55' 6.4''	160	160	W	S	Annually	11/28/05	69.1	4101.9	V		
320746109541601	D-15-24 16CAB	616021	4144	32° 7' 46.8'' / 109° 54' 16.5''			W	S		12/08/05			V	O	
320808109550901	D-15-24 17BAA	629681	4180	32° 8' 8.2'' / 109° 55' 8.8''	150	150	W	H		12/08/05	81.5	4098.5	V		
320750109550701	D-15-24 17BDD	629683	4185	32° 7' 48.5'' / 109° 55' 7.2''	730	730	W	S		12/08/05	101.0	4084.0	V		
320714109551801	D-15-24 20BAC	525159	4215	32° 7' 12.8'' / 109° 55' 19.4''	202	202	W	H		12/09/05	136.7	4078.3	V		
320615109552101	D-15-24 29BCA		4231	32° 6' 15.3'' / 109° 55' 20''			U	U		11/29/05	199.1	4031.9	V		
320614109553301	D-15-24 29BCB		4244	32° 6' 15.7'' / 109° 55' 33.9''	300	300	U	U		11/29/05	186.5	4057.5	V		
320530109561001	D-15-24 31BAD		4290	32° 5' 29.5'' / 109° 56' 10.5''			W	I		11/29/05	266.0	4024.0	V		
320508109562601	D-15-24 31CBA		4301	32° 5' 8.2'' / 109° 56' 27.7''	725	725	W	I		11/29/05	276.1	4024.9	V		
320445109553401	D-15-24 32CCC	626257	4254	32° 4' 45.9'' / 109° 55' 33.8''	846	846	W	I		12/02/05	250.3	4003.7	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320934109452301	D-15-25 02ADD	608129	4169	32° 9' 33.9'' / 109° 45' 22.3''	102	102	W	S		12/14/05	37.2	4131.8	V		
320842109452101	D-15-25 11DAD	628226	4173	32° 8' 29.6'' / 109° 45' 21.8''	850	850	W	S		12/14/05	199.4	3973.6	V		
320903109442201	D-15-25 12AAA		4213	32° 9' 7.1'' / 109° 44' 19.4''			U	U		11/30/05	80.7	4132.3	V		
320802109442201	D-15-25 13AAD	626665	4210	32° 8' 3.2'' / 109° 44' 19.3''	150	150	W	I		11/30/05	71.7	4138.3	V		
320802109443401	D-15-25 13ADB		4204	32° 8' 2.1'' / 109° 44' 33.2''			W	I		11/30/05	63.3	4140.7	V		
320750109442001	D-15-25 13ADD1	626663	4210	32° 7' 50.2'' / 109° 44' 19.8''	150	150	W	I		11/30/05	70.6	4139.4	V		
320723109450701	D-15-25 13CCD	612108	4197	32° 7' 23.6'' / 109° 45' 5.8''	150	150	W	I		12/13/05	66.7	4130.3	S		
320736109442101	D-15-25 13DDA	612102	4212	32° 7' 36.6'' / 109° 44' 19.9''	147	147	W	I		11/30/05	69.5	4142.5	V		
320728109442201	D-15-25 13DDD	612103	4214	32° 7' 23.7'' / 109° 44' 20.7''	510	510	U	U		11/28/05	249.1	3964.9	V	K	
320758109462201	D-15-25 14BCB	613677	4163	32° 7' 57.6'' / 109° 46' 21.4''			U	U		12/14/05	30.5	4132.5	V		
320725109461301	D-15-25 14CCD2	611202	4177	32° 7' 25'' / 109° 46' 13''			W	S		12/13/05	50.4	4126.6	S		
320724109461201	D-15-25 14CCD3	611203	4177	32° 7' 24'' / 109° 46' 12''	90	90	W	H		12/13/05	51.8	4125.2	V		
320724109456001	D-15-25 14CDC		4182	32° 7' 24.3'' / 109° 45' 59.8''			W	I		12/13/05	72.1	4109.9	V		
320724109455101	D-15-25 14CDD		4184	32° 7' 24.3'' / 109° 45' 50.9''			W	S		12/13/05	53.8	4130.2	V		
320728109462501	D-15-25 15DDD		4171	32° 7' 28'' / 109° 46' 25''	118	118	W	I		12/13/05	42.9	4128.1	S		
320647109482501	D-15-25 20DAD	649318	4149	32° 6' 46.9'' / 109° 48' 26.2''			W	S		12/01/05	21.0	4128.0	S		
320706109462501	D-15-25 22ADA	603002	4176	32° 7' 6'' / 109° 46' 25''	80	80	W	H		12/14/05	47.9	4128.1	V		
320657109462401	D-15-25 22ADD		4179	32° 6' 57'' / 109° 46' 24''			U	U		12/14/05	52.8	4126.2	V		
320632109462401	D-15-25 22DDD		4184	32° 6' 32'' / 109° 46' 24''			W	S		12/13/05	32.3	4151.7	V		
320721109452201	D-15-25 23AAA	514911	4195	32° 7' 21'' / 109° 45' 22''	100	100	W	H		12/14/05	61.2	4133.8	V		
320722109461601	D-15-25 23BBB		4177	32° 7' 22'' / 109° 46' 16''			W	S		12/13/05	52.4	4124.6	S		
320706109460301	D-15-25 23BBD		4181	32° 7' 10'' / 109° 46' 8''	700	700	W	I		12/13/05	209.3	3971.7	V	K	
320633109452501	D-15-25 23DDD	624211	4204	32° 6' 33'' / 109° 45' 25''	250	250	W	H		12/14/05	68.1	4135.9	V		
320658109442102	D-15-25 24ADD1		4218	32° 6' 57.7'' / 109° 44' 19.8''	102	102	U	U		11/28/05	78.4	4139.6	V		
320658109442101	D-15-25 24ADD2		4218	32° 6' 58.2'' / 109° 44' 19.9''			U	U		11/28/05	266.5	3951.5	V		
320642109445201	D-15-25 24CDA	607522	4208	32° 6' 42.8'' / 109° 44' 50.3''	160	160	W	I		11/28/05	84.9	4123.1	V		
320631109445301	D-15-25 24CDD	607523	4210	32° 6' 31.7'' / 109° 44' 52.5''	156	156	W	I		12/13/05			V	O	
320631109445301	D-15-25 24CDD	607523	4210	32° 6' 31.7'' / 109° 44' 52.5''	156	156	W	I		11/28/05	76.3	4133.7	V		
320614109442401	D-15-25 25AAD	604416	4220	32° 6' 17.6'' / 109° 44' 20.4''	515	515	W	I	Annually	11/28/05			V	O	
320627109451701	D-15-25 25BBB	604419	4210	32° 6' 27'' / 109° 45' 17''	125	125	W	I		12/14/05	72.1	4137.9	V		
320618109451901	D-15-25 25BBC	604418	4203	32° 6' 18'' / 109° 45' 19''			W	I		12/14/05	72.9	4130.1	V		
320616109445501	D-15-25 25BDA		4210	32° 6' 17.4'' / 109° 44' 51.9''			W	I		11/28/05	78.3	4131.7	V		
320611109445401	D-15-25 25BDD	604420	4215	32° 6' 5.2'' / 109° 44' 51.9''	555	555	W	I		11/28/05	81.6	4133.4	V		
320542109443901	D-15-25 25CDD1		4220	32° 5' 43'' / 109° 44' 51.2''	566	566	W	I	Annually	11/28/05	218.1	4001.9	V	K	
320541109442101	D-15-25 25DDD2	604414	4231	32° 5' 41.8'' / 109° 44' 20.4''	137	137	W	I		11/28/05	93.3	4137.7	V		
320605109453401	D-15-25 26ADC	631730	4202	32° 6' 5'' / 109° 45' 34''	135	135	W	I		12/13/05	69.4	4132.6	S		
320608109452501	D-15-25 26ADD1		4207	32° 6' 5'' / 109° 45' 22''	503	503	W	I		12/13/05	217.6	3989.4	V		
320605109460401	D-15-25 26BDC	631729	4194	32° 6' 5'' / 109° 46' 4''	121	121	W	I		12/13/05	62.2	4131.8	S		
320544109452401	D-15-25 26DDD1		4208	32° 5' 40'' / 109° 45' 28''	455	455	W	H		12/13/05	70.4	4137.6	V		
320543109452301	D-15-25 26DDD2		4208	32° 5' 43'' / 109° 45' 23''			W	I		12/13/05	257.9	3950.1	V		
320539109462401	D-15-25 27DDD	604422	4193	32° 5' 39'' / 109° 46' 24''	500	500	U	U		12/01/05	161.4	4031.6	V	K	
320623109473201	D-15-25 28AAD	616025	4164	32° 6' 23'' / 109° 47' 29''			W	S		12/01/05			S	D	DRY AT 24.6'
320550109472501	D-15-25 28DAD		4178	32° 5' 50'' / 109° 47' 25''	600	600	U	U		12/01/05	124.7	4053.3	S		
320539109485301	D-15-25 32ABB	649317	4154	32° 5' 39'' / 109° 48' 53''			W	S		12/01/05	31.3	4122.7	S		
320526109472501	D-15-25 33AAD	604421	4179	32° 5' 26'' / 109° 47' 25''	1300	1300	W	I		12/01/05	223.9	3955.1	V		
320513109472501	D-15-25 33ADD		4179	32° 5' 13.4'' / 109° 47' 25.6''			W	I		12/01/05	223.2	3955.8	V		
320513109465401	D-15-25 34BDD2		4190	32° 5' 13'' / 109° 46' 54''	1100	1100	W	I		12/01/05	131.9	4058.1	V		
320447109471601	D-15-25 34CCD		4187	32° 4' 47'' / 109° 47' 16''			W	I		12/01/05	227.5	3959.5	V		
320447109462401	D-15-25 34DDD	604426	4198	32° 4' 46.8'' / 109° 46' 23.3''	600	600	W	I		12/01/05	242.2	3955.8	V		
320515109452601	D-15-25 35ADD1	620346	4213	32° 5' 13.4'' / 109° 45' 25.5''	1000	1000	W	I		12/13/05	263.4	3949.6	V		
320514109452201	D-15-25 35ADD2	502137	4213	32° 5' 14'' / 109° 45' 22''	167	167	W	I		12/01/05	75.6	4137.4	S		
320516109445401	D-15-25 36BDD	616028	4226	32° 5' 12.2'' / 109° 44' 52''	701	701	W	I		11/28/05	280.6	3945.4	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320512109442201	D-15-25 36DAA	616031	4239	32° 5' 11.3'' / 109° 44' 21.2''	496	496	W	I		11/28/05	263.4	3975.6	V	V	
320451109442201	D-15-25 36DDD	616034	4244	32° 4' 50.9'' / 109° 44' 20.6''	650	650	U	U		11/28/05			V	O	
320905109435001	D-15-26 07ABB		4235	32° 9' 5.7'' / 109° 43' 49.4''	150	150	W	S		11/30/05	105.9	4129.1	V		
320853109432301	D-15-26 07ADA		4262	32° 8' 53.1'' / 109° 43' 22.1''			U	U		11/30/05			V	O	
320833109432201	D-15-26 07DAD		4261	32° 8' 33.4'' / 109° 43' 22.7''			W	I		11/29/05	294.7	3966.3	V		
320828109434601	D-15-26 07DCB		4236	32° 8' 28.2'' / 109° 43' 45.6''			W	I		11/30/05	271.3	3964.7	V	K	
320812109432201	D-15-26 18AAA	626666	4250	32° 8' 13.6'' / 109° 43' 22.1''	575	575	W	I		11/29/05	291.6	3958.4	V		
320801109434901	D-15-26 18ACB	626667	4230	32° 8' 1.5'' / 109° 43' 49.3''	500	500	W	I		11/30/05	150.0	4080.0	V	K	
320755109434901	D-15-26 18ACC		4230	32° 7' 55.2'' / 109° 43' 49.4''			W	I		11/13/05	264.0	3966.0	V	K	
320750109440601	D-15-26 18BDB	626669	4222	32° 7' 56.7'' / 109° 44' 3.9''	600	600	U	U		11/30/05	250.2	3971.8	V	K	
320738109435101	D-15-26 18CAD		4229	32° 7' 38'' / 109° 43' 50.8''	500	500	W	I		11/30/05	89.8	4139.2	V		
320737109432001	D-15-26 18DAD	612094	4255	32° 7' 37.6'' / 109° 43' 20.3''	610	610	W	I		11/30/05	293.3	3961.7	V		
320716109432101	D-15-26 19AAD		4252	32° 7' 15.5'' / 109° 43' 20.2''			W	I		11/29/05	279.3	3972.7	V	K	
320720109435101	D-15-26 19BAA	612119	4227	32° 7' 19.3'' / 109° 43' 50.4''	240	240	W	H		11/29/05	83.9	4143.1	V		
320712109435301	D-15-26 19BAD	612090	4227	32° 7' 13.6'' / 109° 43' 50.9''	340	340	U	U		11/29/05	86.7	4140.3	V		
320634109435101	D-15-26 19CDD	612093	4229	32° 6' 31.7'' / 109° 43' 50.8''	918	918	W	I		11/29/05	282.6	3946.4	V	K	
320633109423801	D-15-26 20DCC		4280	32° 6' 32'' / 109° 42' 40.8''			U	U		11/29/05	269.3	4010.7	V		
320633109393901	D-15-26 23DCC2	611586	4460	32° 6' 30.3'' / 109° 39' 42.8''	760	760	W	N	Annually	12/02/05	338.5	4121.5	V		
320541109394501	D-15-26 26CDD1		4422	32° 5' 40.7'' / 109° 39' 45.6''			U	U		12/02/05			V	D	
320541109394502	D-15-26 26CDD2		4430	32° 5' 40.6'' / 109° 39' 45.2''			W	S		12/02/05	316.2	4113.8	V		
320630109411801	D-15-26 28AAA	609039	4360	32° 6' 29.8'' / 109° 41' 18''	650	650	W	H		11/29/05	332.1	4027.9	V		
320628109414801	D-15-26 28BAA	612114	4332	32° 6' 28.3'' / 109° 41' 47.1''	752	752	U	U		11/29/05	350.4	3981.6	V		
320618109422001	D-15-26 29AAD	621303	4303	32° 6' 23.2'' / 109° 42' 18.5''	538	538	W	H		11/29/05	329.7	3973.3	V		
320602109423601	D-15-26 29ACD	621306	4279	32° 6' 5'' / 109° 42' 38.1''	500	500	U	U		11/29/05	328.6	3950.4	V	K	
320606109421901	D-15-26 29ADD	621304	4298	32° 6' 6.8'' / 109° 42' 18.1''	620	620	U	U		11/29/05	350.1	3947.9	V		
320554109431801	D-15-26 29CCB	621308	4252	32° 5' 52.5'' / 109° 43' 18.9''	752	752	W	I		11/29/05	299.0	3953.0	V		
320557109421901	D-15-26 29DAD	621305	4294	32° 5' 57.3'' / 109° 42' 18.3''	620	620	W	I		11/29/05	349.2	3944.8	V		
320542109435501	D-15-26 30CDC		4239	32° 5' 38.7'' / 109° 43' 57.9''	520	520	W	I		11/28/05	275.1	3963.9	V	K	
320540109433401	D-15-26 30DCD		4243	32° 5' 41.9'' / 109° 43' 34.6''	587	587	W	I		11/29/05	304.2	3938.8	V	K	
320540109432001	D-15-26 30DDD2		4252	32° 5' 38.8'' / 109° 43' 20''	600	600	W	I		11/28/05	311.0	3941.0	V		
320515109435301	D-15-26 31BDD	616039	4252	32° 5' 16.5'' / 109° 43' 50''	709	709	W	I		11/28/05			V	O	
320449109435101	D-15-26 31CDD	616040	4255	32° 4' 48.6'' / 109° 43' 50''	650	650	W	I		12/06/05	312.9	3942.1	V	K	
320451109432401	D-15-26 31DDD	616042	4268	32° 4' 46.9'' / 109° 43' 19.4''	900	900	U	U		11/30/05	329.9	3938.1	V		
320458109431801	D-15-26 32CCB	617498	4268	32° 4' 55.8'' / 109° 43' 19.1''	400	400	U	U		11/29/05	329.6	3938.4	V		
320949109350301	D-15-27 03BBC	636859	5122	32° 9' 50'' / 109° 35' 4''	50	50	W	S		12/13/05				D	
320928109360801	D-15-27 04CBB		5035	32° 9' 29.6'' / 109° 36' 7.5''			U	U		12/12/05	135.5	4899.5	V		
320918109370501	D-15-27 05CCB		4915	32° 9' 20'' / 109° 37' 3.3''			U	U		12/12/05	471.1	4443.9	V		
320844109331601	D-15-27 11ADC	636862	5039	32° 8' 44.3'' / 109° 33' 13.9''			U	U		12/13/05			V	O	
320846109330801	D-15-27 11ADD1	636861	5038	32° 8' 46.5'' / 109° 33' 8.1''	60	60	W	S		12/13/05	38.8	4999.2	V		
320847109330801	D-15-27 11ADD2	636862	5038	32° 8' 46.2'' / 109° 33' 8.1''	90	90	W	S		12/13/05	39.4	4998.6	V		
320703109311401	D-15-28 19ADC		4890	32° 6' 58.7'' / 109° 31' 16.5''			*	*		12/06/05	550.9	4339.1	V		
320630109273801	D-15-28 23CDC	626249	4959	32° 6' 28.6'' / 109° 27' 34''	625	625	W	S		12/07/05	534.7	4424.3	V		
320608109264001	D-15-28 25BDC	626248	5085	32° 6' 6.3'' / 109° 26' 38.6''	150	150	W	S		12/07/05	122.6	4962.4	V		
320603109285201	D-15-28 27CBB	626243	4860	32° 6' 4.5'' / 109° 28' 51.6''	500	500	W	S		12/07/05	431.6	4428.4	V		
320553109235701	D-15-29 29DAD	626245	5530	32° 5' 52.8'' / 109° 23' 54.1''	150	150	W	S		12/07/05	35.7	5494.3	V		
320613109252501	D-15-29 30BDA1	626247	5310	32° 6' 13.2'' / 109° 25' 24.7''	45	45	W	S		12/07/05	20.5	5289.5	V		
320555109253801	D-15-29 30CAC	626246	5240	32° 5' 55.2'' / 109° 25' 36.2''	200	200	U	U		12/07/05	190.2	5049.8	V	P	
320325110023701	D-16-22 12DAA	643402	4706	32° 3' 25.5'' / 110° 2' 36.4''			W	S		11/28/05	298.8	4407.2	V		
320351109565301	D-16-23 12AAB	604576	4334	32° 3' 50.7'' / 109° 56' 52.1''	500	500	U	U		11/30/05	304.8	4029.2	V		
320346109570801	D-16-23 12ABC	504282	4351	32° 3' 46.5'' / 109° 57' 9.1''	500	500	W	I		11/30/05	313.3	4037.7	V		
320337109570801	D-16-23 12ACB	610747	4350	32° 3' 37.6'' / 109° 57' 7''	387	387	W	I		11/30/05	318.0	4032.0	V		
320320109571001	D-16-23 12CAD	86063	4367	32° 3' 19.5'' / 109° 57' 18.8''	500	500	W	I		11/30/05	335.9	4031.1	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320204109582501	D-16-23 23BAB	505586	4471	32° 2' 4.3'' / 109° 58' 27.6''	515	515	W	H		11/30/05	415.3	4055.7	V		
320204109582501	D-16-23 23BAB	505586	4471	32° 2' 4.3'' / 109° 58' 27.6''	515	515	W	H		11/28/05	417.8	4053.2	V	P	
320420109535201	D-16-24 03BCC		4194	32° 4' 19.9'' / 109° 53' 51.9''			W	H		12/01/05	76.7	4117.3	V		
320410109545301	D-16-24 04CBC2		4235	32° 4' 10.5'' / 109° 54' 53.3''			W	H		12/07/05	237.9	3997.1	V		
320410109542001	D-16-24 04DBC	613703	4212	32° 4' 10.7'' / 109° 54' 22.6''	555	555	W	N		12/07/05	201.5	4010.5	V		
320422109564001	D-16-24 06ACC		4302	32° 4' 20.2'' / 109° 56' 25.4''			W	I		11/30/05	283.6	4018.4	V		UTM - NO PERMISSION
320354109561601	D-16-24 06DCD		4314	32° 3' 54.3'' / 109° 56' 15.9''	551	551	W	I		11/30/05	297.0	4017.0	V		
320334109563501	D-16-24 07BDC		4323	32° 3' 34.2'' / 109° 56' 34.1''			U	U		11/30/05	305.8	4017.2	V		
320315109535101	D-16-24 10CBC	613700	4215	32° 3' 15.4'' / 109° 53' 51.6''	1117	1117	W	N		12/07/05	208.9	4006.1	V		
320210109523601	D-16-24 14CCD		4174	32° 2' 10.1'' / 109° 52' 35.2''			W	S		11/29/05	70.6	4103.4	V		
320301109535201	D-16-24 15BBB		4217	32° 3' 1'' / 109° 53' 52''			W	H		11/29/05	134.9	4082.1	V		
320237109533701	D-16-24 15BDB	611995	4204	32° 2' 43.5'' / 109° 53' 36.7''	1000	1000	W	S		12/01/05	190.6	4013.4	V		
320131109555701	D-16-24 19DAD		4335	32° 1' 32.5'' / 109° 56' 0''	702	702	U	U		12/01/05	281.7	4053.3	V		
320143109552501	D-16-24 20ACC	623883	4296	32° 1' 44.3'' / 109° 55' 24.6''	560	560	U	U		12/01/05	261.9	4034.1	V		
320159109552901	D-16-24 20BAD		4295	32° 1' 59.9'' / 109° 55' 28.2''			U	U		12/01/05	267.3	4027.7	V		
320142109540301	D-16-24 21ADC3		4232	32° 1' 43.5'' / 109° 54' 4.2''			W	I		12/01/05	179.3	4052.7	V		
320203109542301	D-16-24 21BAA	609562	4240	32° 2' 4.1'' / 109° 54' 23.7''	700	700	W	H		12/05/05	216.0	4024.0	V		
320203109542301	D-16-24 21BAA	609562	4240	32° 2' 4.1'' / 109° 54' 23.7''	700	700	W	H		12/02/05	220.9	4019.1	V	P	
320119109545001	D-16-24 21CCC	606236	4273	32° 1' 17.3'' / 109° 54' 53.1''	884	884	W	I	Annually	12/01/05	226.2	4046.8	V		
320117109542301	D-16-24 21DCC	800592	4253	32° 1' 17.3'' / 109° 54' 23.1''	850	850	U	U		12/01/05	205.7	4047.3	V		
320147109520801	D-16-24 23ACD	627945	4163	32° 1' 47'' / 109° 52' 8''	73	73	W	S		12/12/05	65.0	4098.0	S		
320057109510901	D-16-24 25ACD		4172	32° 0' 57'' / 109° 51' 9''			W	H		12/12/05	55.4	4116.6	S		
320104109513701	D-16-24 25BBD	610826	4175	32° 1' 4'' / 109° 51' 37''	150	150	W	I		12/12/05	64.3	4110.7	S		
320051109513301	D-16-24 25BDC		4179	32° 0' 51'' / 109° 51' 33''			W	H		12/12/05	91.7	4087.3	S		
320040109520001	D-16-24 26DAC		4202	32° 0' 40'' / 109° 52' 0''			W	H		12/12/05	98.2	4103.8	V		
320043109515301	D-16-24 26DAD2		4194	32° 0' 43'' / 109° 51' 53''			U	U		12/12/05	89.9	4104.1	V		
315941109535101	D-16-24 34CCB	602223	4338	31° 59' 43.1'' / 109° 53' 49.5''	357	357	W	I		12/07/05	262.2	4075.8	V		
320023109515901	D-16-24 35AAB3	650163	4218	32° 0' 23'' / 109° 51' 59''			W	H		12/12/05	110.4	4107.6	V		
320022109520201	D-16-24 35AAB4		4218	32° 0' 22'' / 109° 52' 2''			W	H		12/12/05	112.6	4105.4	V		
315958109525101	D-16-24 35CBB	603170	4278	31° 59' 51.8'' / 109° 52' 50.3''	200	200	W	H		12/07/05	188.7	4089.3	V		
320013109514801	D-16-24 36BBC	616098	4214	32° 0' 15'' / 109° 51' 47.8''	77	77	W	S		12/12/05	115.4	4098.6	S		
320428109444201	D-16-25 01ADA	608555	4238	32° 4' 27.6'' / 109° 44' 41.3''			U	U		11/29/05	294.0	3944.0	V	K	
320441109451601	D-16-25 01BAA1	604485	4216	32° 4' 41'' / 109° 45' 16''	437	437	W	I		12/01/05	271.1	3944.9	V		
340445109451301	D-16-25 01BAA2	604484	4215	32° 4' 45'' / 109° 45' 13''	615	615	W	I		12/01/05	88.1	4126.9	S		
320441109453901	D-16-25 01BBB	607558	4207	32° 4' 41.65'' / 109° 45' 39.68''	161	161	U	U	Transducer	11/30/05	77.1	4130.3	S		
320415109451301	D-16-25 01CAA	609975	4221	32° 4' 13.8'' / 109° 45' 12.3''			W	I		11/30/05	283.7	3937.3	V	K	
320415109444501	D-16-25 01DAA	622699	4234	32° 4' 18.6'' / 109° 44' 41.7''	505	505	W	I		11/29/05	287.5	3946.5	V	K	
320402109444401	D-16-25 01DDA	622698	4234	32° 4' 4.1'' / 109° 44' 41.4''	550	550	W	I		11/29/05	287.1	3946.9	V	K	
320429109455901	D-16-25 02ACD		4206	32° 4' 20.2'' / 109° 45' 58.6''	302	302	U	U		11/30/05	259.0	3947.0	V		
320356109462701	D-16-25 02CDC		4203	32° 3' 58.2'' / 109° 46' 27.6''			U	U		11/30/05	83.3	4119.7	V		
320354109461201	D-16-25 02DCC		4206	32° 3' 54.4'' / 109° 46' 13.7''			U	U		11/30/05	91.9	4114.1	V		
320354109455901	D-16-25 02DCD		4209	32° 3' 55'' / 109° 45' 58''	445	445	U	U		12/14/05	244.8	3964.2	V		
320355109454401	D-16-25 02DDD	616950	4216	32° 3' 54.7'' / 109° 45' 44.5''	445	445	W	H		11/30/05	174.8	4041.2	V		
320432109474201	D-16-25 03BCB		4185	32° 4' 32'' / 109° 47' 42''			W	I		12/01/05	220.0	3965.0	V	K	
320423109471601	D-16-25 03BDD	625894	4190	32° 4' 23'' / 109° 47' 16''	559	559	W	I		12/01/05	238.5	3951.5	V		
320418109464501	D-16-25 03DAA2		4197	32° 4' 17.3'' / 109° 46' 46.1''			W	H		11/30/05	83.9	4113.1	V		
320356109481801	D-16-25 04CDD	501848	4178	32° 3' 55.4'' / 109° 48' 17.4''	600	600	W	I		11/30/05	195.1	3982.9	V		
320405109464801	D-16-25 04DDA		4185	32° 4' 0.6'' / 109° 47' 45.8''	356	356	W	H		11/30/05	82.5	4102.5	V		
320418109484801	D-16-25 05DAA	632615	4169	32° 4' 18'' / 109° 48' 48''	80	80	W	S		12/14/05	71.1	4097.9	S		
320352109495101	D-16-25 07AAA	618373	4150	32° 3' 52'' / 109° 49' 51''	102	102	W	S		12/14/05	38.4	4111.6	V		
320315109490301	D-16-25 08DBD		4171	32° 3' 15'' / 109° 49' 3''			U	U		12/14/05	71.1	4099.9	V		
320310109485301	D-16-25 08DDA	800257	4174	32° 3' 10'' / 109° 48' 53''			U	U		12/14/05	70.6	4103.4	S		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320330109475101	D-16-25 09ADD		4186	32° 3' 33.8'' / 109° 47' 46.2''	445	445	U	U	Annually	11/30/05	77.8	4108.2	V		
320305109472501	D-16-25 10CDC	604970	4191	32° 3' 3.9'' / 109° 47' 25.5''	150	150	W	H		11/30/05	88.4	4102.6	S		
320307109464501	D-16-25 10DDD		4200	32° 3' 7'' / 109° 46' 44.3''			U	U		11/30/05	84.0	4116.1	S		
320352109455501	D-16-25 11AAB		4211	32° 3' 52.9'' / 109° 45' 52.6''			W	H		11/30/05	249.8	3961.2	V		
320351109463101	D-16-25 11BBA		4202	32° 3' 47.2'' / 109° 46' 28.4''			W	H		11/30/05	88.3	4113.7	V		
320337109461501	D-16-25 11BDA	605812	4207	32° 3' 37'' / 109° 46' 15''	601	601	U	U		12/01/05	260.5	3946.5	V		
320301109452501	D-16-25 13BAB	609192	4225	32° 3' 1'' / 109° 45' 24.9''			W	I		11/29/05	175.8	4049.2	V	Z	
320252109451301	D-16-25 13BAD	609194	4233	32° 2' 52.6'' / 109° 45' 12''			W	H		11/29/05	118.4	4114.6	V		
320300109454201	D-16-25 13BBB		4220	32° 3' 0.2'' / 109° 45' 41.7''			W	I		11/29/05	274.7	3945.3	V		
320220109451301	D-16-25 13CDA		4228	32° 2' 19.9'' / 109° 45' 12''			W	I		11/29/05	288.9	3939.1	V		
320213109451601	D-16-25 13CDD	609188	4227	32° 2' 9.9'' / 109° 45' 12.2''	381	381	W	I	Annually	11/29/05	289.4	3937.6	V		
320248109454501	D-16-25 14AAD		4220	32° 2' 49.8'' / 109° 45' 43.6''	603	603	U	U	Annually	11/29/05	273.8	3946.2	V		
320236109461601	D-16-25 14BDD		4209	32° 2' 35.9'' / 109° 46' 13.9''	493	493	U	U		11/30/05	264.8	3944.2	V		
320237109475101	D-16-25 16ADD2	512259	4187	32° 2' 36.4'' / 109° 47' 49.1''	100	100	W	S	Annually	11/30/05	79.8	4107.2	S		
320212109484801	D-16-25 17DDD2	800210	4176	32° 2' 12'' / 109° 48' 48''	200	200	W	S		12/14/05	54.4	4121.6	V		
320301109495001	D-16-25 18AAA	800209	4162	32° 3' 1'' / 109° 49' 50''	200	200	W	S		12/14/05	49.2	4112.8	S		
320212109504701	D-16-25 18CCC	800211	4154	32° 2' 12'' / 109° 50' 47''	150	150	W	S		12/14/05	35.6	4118.4	S		
320118109464601	D-16-25 22DDD	642060	4209	32° 1' 18'' / 109° 46' 47''	515	515	W	H		11/29/05	175.6	4033.4	V		
320149109455101	D-16-25 23ADD	604382	4220	32° 1' 49.3'' / 109° 45' 43.3''	900	900	W	I		11/29/05	276.0	3944.0	V		
320120109454801	D-16-25 23DDD	604408	4224	32° 1' 18'' / 109° 45' 43''	324	324	W	I		12/02/05	259.1	3964.9	V	K	
320143109444601	D-16-25 24ADD	604404	4244	32° 1' 43.8'' / 109° 44' 42.6''	400	400	W	I		12/06/05	303.9	3940.1	V		
320121109444701	D-16-25 24DDD	604407	4247	32° 1' 18'' / 109° 44' 42.1''	406	406	W	I		12/06/05	302.6	3944.4	V		
320050109451301	D-16-25 25CAA		4232	32° 0' 50.4'' / 109° 45' 12.7''			W	I		11/29/05	288.1	3943.9	V		
320051109444301	D-16-25 25DAA1		4245	32° 0' 51.1'' / 109° 44' 41.8''			U	U		12/05/05	245.9	3999.1	V		
320049109444201	D-16-25 25DAA2	604409	4245	32° 0' 49'' / 109° 44' 41.8''	500	500	W	I		12/05/05	298.4	3946.6	V		
320027109463401	D-16-25 26CCD		4213	32° 0' 26.2'' / 109° 46' 35''			W	H		11/29/05	167.0	4046.0	V		
320027109461501	D-16-25 26CDD	617502	4220	32° 0' 27'' / 109° 46' 13.8''	220	220	U	U		11/29/05			V	D	DRY AT 214.5'
320026109454401	D-16-25 26DDD		4228	32° 0' 26'' / 109° 45' 44''			U	U		12/14/05	239.2	3988.8	V		
320051109474601	D-16-25 28ADD		4194	32° 0' 51.7'' / 109° 47' 46.3''			U	U		11/29/05	232.5	3961.5	V		
320022109454801	D-16-25 35AAA	604957	4228	32° 0' 21.8'' / 109° 45' 44''	500	500	U	U		11/29/05	264.1	3963.9	V	K	
320018109463901	D-16-25 35BBB		4211	32° 0' 18'' / 109° 46' 39''			W	H		12/14/05	254.3	3956.7	V		
320022109444601	D-16-25 36AAA	609186	4243	32° 0' 24.6'' / 109° 44' 41''	500	500	U	U	Annually	12/05/05	291.3	3951.7	V		
320024109453901	D-16-25 36BBB		4228	32° 0' 24.2'' / 109° 45' 38.9''			W	I		12/14/05	275.3	3952.7	V		
320445109393901	D-16-26 02AAA1		4398	32° 4' 41.1'' / 109° 39' 39.9''	495	495	U	U		11/30/05	304.0	4094.0	V		
320446109393901	D-16-26 02AAA2	609040	4399	32° 4' 45.2'' / 109° 39' 39.7''	600	600	U	U		11/30/05	301.3	4097.7	V		
320435109394301	D-16-26 02ADD	609041	4391	32° 4' 26.5'' / 109° 39' 39.8''	700	700	W	I	Annually	11/30/05	295.7	4095.3	V		
320407109394001	D-16-26 02DDA		4379	32° 4' 6.8'' / 109° 39' 39.4''			U	U		11/30/05	278.1	4100.9	V		
320433109404101	D-16-26 03ADA	626659	4344	32° 4' 32.4'' / 109° 40' 40.7''	568	568	U	U		11/30/05	336.2	4007.8	V		
320443109411201	D-16-26 03BAA	608557	4328	32° 4' 45.7'' / 109° 41' 10.7''	500	500	W	I		11/29/05	332.4	3995.6	V		
320355109411101	D-16-26 03CDD	608556	4327	32° 3' 54.8'' / 109° 41' 10.6''	530	530	W	I		11/30/05	354.2	3972.8	V		
320910109404201	D-16-26 03DAD	626660	4341	32° 4' 11.8'' / 109° 40' 40.5''	600	600	U	U		11/30/05	314.6	4026.4	V		
320406109414201	D-16-26 04DDA	609963	4312	32° 4' 6.8'' / 109° 41' 41.4''	506	506	U	U		11/30/05	354.1	3957.9	V		
320421109424301	D-16-26 05ADD2	609973	4289	32° 4' 20.5'' / 109° 42' 43.2''			W	I		11/30/05	349.7	3939.3	V		
320409109424501	D-16-26 05DAD	616104	4290	32° 4' 9.1'' / 109° 42' 44.7''	610	610	W	I	Annually	11/30/05	351.6	3938.4	V		
320403109434701	D-16-26 06DDA	612109	4258	32° 4' 6.7'' / 109° 43' 44.9''	662	662	W	S	Annually	11/29/05	320.2	3937.6	V		
320306109424701	D-16-26 08DDD	616111	4288	32° 3' 2'' / 109° 42' 43.1''	433	433	U	U		12/01/05	359.4	3928.6	V		
320325109414401	D-16-26 09DAA	801772	4315	32° 3' 25'' / 109° 41' 44''	460	460	W	S		12/01/05			V	W	
320329109404401	D-16-26 10ADD	626672	4340	32° 3' 29.6'' / 109° 40' 41.1''	618	618	U	U		11/30/05	355.7	3984.3	V		
320303109410601	D-16-26 10CDD	626653	4330	32° 3' 2.7'' / 109° 41' 12.1''	555	555	U	U		12/01/05	389.0	3941.0	V		
320318109404101	D-16-26 10DAD	86078	4345	32° 3' 16.4'' / 109° 40' 40.7''	541	541	U	U		11/30/05	374.2	3970.8	V		
320346109394001	D-16-26 11AAD	626655	4371	32° 3' 46.1'' / 109° 39' 39.3''	490	490	U	U		11/30/05	276.6	4094.4	V		
320333109394301	D-16-26 11ADD	626654	4372	32° 3' 29'' / 109° 39' 39.3''	1015	1015	U	U		11/30/05	280.3	4091.7	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320306109403801	D-16-26 11CCC		4348	32° 3' 6.3'' / 109° 40' 37.5''			U	U		11/30/05	385.0	3963.0	V		
320303109394001	D-16-26 11DDD	805929	4381	32° 3' 2.2'' / 109° 39' 39.2''			U	U		11/30/05	343.5	4037.5	V		
320304109384101	D-16-26 12DDD	627052	4407	32° 3' 2.5'' / 109° 38' 36.2''	885	885	W	I		12/08/05	320.4	4086.6	V	R	
320250109395501	D-16-26 14ABD	805934	4370	32° 2' 49'' / 109° 39' 54.6''	1170	1170	U	U		12/01/05	388.3	3981.7	V		
320246109394101	D-16-26 14ADA		4380	32° 2' 48.3'' / 109° 39' 39.5''			U	U		12/01/05			V	O	
320236109393901	D-16-26 14ADD	805933	4372	32° 2' 36.4'' / 109° 39' 38.8''			W	I		12/01/05	374.5	3997.5	V		
320238109400901	D-16-26 14BDD	805932	4360	32° 2' 39.4'' / 109° 40' 9.5''	1718	1718	U	U		12/01/05	378.8	3981.2	V		
320232109394201	D-16-26 14DAA	809034	4375	32° 2' 35.4'' / 109° 39' 39.2''	940	940	U	U	Annually	12/01/05	374.2	4000.8	V		
320237109404101	D-16-26 15ADD		4347	32° 2' 36.6'' / 109° 40' 40.2''	750	750	W	I		12/01/05	387.7	3959.3	V		
320217109404101	D-16-26 15DDA2	604396	4350	32° 2' 17.2'' / 109° 40' 39.9''			U	U		12/01/05	407.0	3943.0	V		
320238109414201	D-16-26 16ADD	605902	4318	32° 2' 36.2'' / 109° 41' 41.6''			U	U		12/01/05			V	D	
320237109421201	D-16-26 16BDD	605903	4307	32° 2' 36.2'' / 109° 42' 12.1''	600	600	W	I		12/07/05			V	O	
320214109421201	D-16-26 16CDD	605912	4311	32° 2' 14.6'' / 109° 42' 12''	600	600	W	I		12/07/05	380.4	3930.6	V	K	
320223109414201	D-16-26 16DAD	605901	4320	32° 2' 22.8'' / 109° 41' 41.5''			W	I		12/01/05	392.3	3927.7	V		
320301109431401	D-16-26 17BAA		4280	32° 3' 1.1'' / 109° 43' 13.8''			W	I		12/07/05	334.9	3945.1	V		
320240109431401	D-16-26 17BDD	609044	4275	32° 2' 40.4'' / 109° 43' 13.4''	810	810	W	I		12/07/05			V	O	
320212109431401	D-16-26 17CDD	609038	4279	32° 2' 11'' / 109° 43' 13.7''			U	U		12/06/05	325.5	3953.5	V		
320211109424601	D-16-26 17DDD	605904	4295	32° 2' 10.6'' / 109° 42' 43.5''	800	800	W	I		12/07/05	356.2	3938.8	V		
320215109434401	D-16-26 18DDD	611982	4265	32° 2' 14.5'' / 109° 43' 43.8''	500	500	U	U		12/06/05	319.2	3945.8	V		
320145109434501	D-16-26 19ADD	611975	4270	32° 1' 44.5'' / 109° 43' 44.5''	604	604	U	U		12/06/05	325.1	3944.9	V		
320209109444101	D-16-26 19BBB		4244	32° 2' 9.4'' / 109° 44' 40.6''			U	U		12/06/05			V	D	
320137109441501	D-16-26 19CAD	626224	4255	32° 1' 37'' / 109° 44' 14.9''	600	600	U	U		12/06/05	311.0	3944.0	V		
320132109434501	D-16-26 19DAD	626225	4269	32° 1' 32.3'' / 109° 43' 44.1''	650	650	W	S		12/06/05	323.6	3945.4	V		
320156109424301	D-16-26 20ADA1	605915	4300	32° 1' 55.4'' / 109° 42' 42.5''	600	600	W	H		12/07/05	362.0	3938.0	V		
320148109431401	D-16-26 20BDD	626226	4284	32° 1' 46.3'' / 109° 43' 13.1''	625	625	U	U		12/06/05	342.8	3941.2	V		
320142109432401	D-16-26 20CAB	626227	4281	32° 1' 43.1'' / 109° 43' 21.3''	650	650	U	U		12/08/05	339.2	3941.8	V		
320201109414101	D-16-26 21AAD	605910	4324	32° 2' 0'' / 109° 41' 41.2''	630	630	U	U		12/07/05	389.1	3934.9	V		
320156109421201	D-16-26 21BAD	605911	4310	32° 2' 1.7'' / 109° 42' 12.1''	725	725	W	I		12/07/05	378.0	3932.0	V		
320143109421201	D-16-26 21CAA	605909	4306	32° 1' 43.2'' / 109° 42' 12.4''	600	600	U	U		12/07/05	300.6	4005.4	V		
320143109414601	D-16-26 21DAA	605908	4316	32° 1' 43.4'' / 109° 41' 41.4''	700	700	W	I		12/07/05			V	D	
320209109404101	D-16-26 22AAA	604397	4346	32° 2' 9.6'' / 109° 40' 40.4''	658	658	U	U		12/01/05	401.2	3944.8	V		
320149109411201	D-16-26 22BDD	572683	4330	32° 1' 51.9'' / 109° 41' 11.2''	658	658	W	I		12/07/05	387.2	3942.8	V		
320210109394001	D-16-26 23AAA	611435	4367	32° 2' 9.1'' / 109° 39' 38.9''	904	904	U	U		12/01/05	373.2	3993.8	V		
320144109394201	D-16-26 23ADD		4366	32° 1' 43.6'' / 109° 39' 41.3''	1010	1010	U	U		12/01/05	368.9	3997.1	V		
320209109401101	D-16-26 23BAA		4355	32° 2' 9.2'' / 109° 40' 10.3''			W	I		12/01/05	399.6	3955.4	V		
320130109400901	D-16-26 23DBC	622701	4356	32° 1' 30.6'' / 109° 40' 3.9''	750	750	W	I		12/07/05	365.4	3990.6	V		
320230109394001	D-16-26 23DDA	622696	4372	32° 1' 28.4'' / 109° 39' 38.7''	1010	1010	W	I		12/01/05			V	O	
320209109384101	D-16-26 24AAA	619142	4401	32° 2' 8.6'' / 109° 38' 41.5''	743	743	U	U		12/01/05	346.7	4054.3	V		
320204109383801	D-16-26 24AAD	619143	4401	32° 2' 2'' / 109° 38' 37.1''	805	805	W	I		12/01/05	345.1	4055.9	V		
320204109391101	D-16-26 24BAA	619141	4384	32° 2' 9.4'' / 109° 39' 8.4''	753	753	W	H		12/01/05	358.1	4025.9	V		
320209109392201	D-16-26 24BAB	619140	4376	32° 2' 9.5'' / 109° 39' 21.9''	622	622	W	I		12/01/05	356.5	4019.5	V		
320129109390801	D-16-26 24CDA	622697	4384	32° 1' 29.2'' / 109° 39' 7.9''	950	950	U	U		12/07/05	347.5	4036.5	V		
320123109391001	D-16-26 24CDD	622695	4382	32° 1' 21.3'' / 109° 39' 7.8''	950	950	W	I		12/07/05	345.3	4036.7	V		
320118109391001	D-16-26 25BAA	622692	4378	32° 1' 13.5'' / 109° 39' 7.7''	850	850	U	U		12/07/05	345.9	4032.1	V		
320041109391001	D-16-26 25CAD	607899	4375	32° 0' 38.9'' / 109° 39' 13.8''	680	680	W	I		12/05/05	356.8	4018.2	V		
320129109394101	D-16-26 26AAA	607897	4368	32° 1' 17'' / 109° 39' 39.2''	970	970	U	U		12/06/05			V	O	
320115109401001	D-16-26 26BAA2	607896	4348	32° 1' 13.5'' / 109° 40' 15.1''	734	734	W	I		12/07/05	352.3	3995.7	V		
320111109404301	D-16-26 27AAA	604399	4339	32° 1' 13.3'' / 109° 40' 39.6''			W	I		12/06/05	352.3	3986.7	V		
320104109404101	D-16-26 27ADA	604401	4334	32° 1' 3.8'' / 109° 40' 39.9''			U	U		12/07/05			V	O	
320109109414101	D-16-26 28AAD	626223	4310	32° 1' 12.1'' / 109° 41' 41.1''	600	600	U	U		12/06/05	340.7	3969.3	V		
320117109421301	D-16-26 28BAA	626220	4300	32° 1' 16.9'' / 109° 42' 12.4''	600	600	W	S		12/06/05	343.2	3956.8	V		
320052109421101	D-16-26 28CAA	604933	4297	32° 0' 50.3'' / 109° 42' 12.2''	613	613	U	U		12/06/05	332.6	3964.4	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320036109414101	D-16-26 28DDA	805992	4304	32° 0' 36.1'' / 109° 41' 41.4''	600	600	U	U		12/07/05	294.5	4009.5	V		
320114109424701	D-16-26 29AAA		4288	32° 1' 14.5'' / 109° 42' 38.1''	650	650	U	U		12/06/05			V	O	
320104109424501	D-16-26 29ADA		4286	32° 1' 4.3'' / 109° 42' 44''			U	U		12/06/05	327.2	3958.8	V		
320038109431701	D-16-26 29CAD		4274	32° 0' 38.1'' / 109° 43' 13.5''	900	900	U	U		12/08/05	307.6	3966.4	V		
320119109434701	D-16-26 30AAA	626217	4264	32° 1' 16.9'' / 109° 43' 44.1''	700	700	W	S		12/06/05	316.7	3947.3	V	K	
320000109434401	D-16-26 31ADD	603941	4262	32° 0' 0'' / 109° 43' 46.4''	400	400	U	U		12/14/05	266.6	3995.4	V		
320022109441601	D-16-26 31BAA	603945	4253	32° 0' 24.3'' / 109° 44' 17.5''	340	340	U	U		12/05/05	298.9	3954.1	V		
320022109424601	D-16-26 32AAA		4285	32° 0' 23.6'' / 109° 42' 42.8''	615	615	U	U	Annually	12/05/05	291.2	3993.8	V		
320000109424301	D-16-26 32ADD		4283	31° 59' 59.8'' / 109° 42' 45''	600	600	U	U		12/14/05	271.6	4011.4	V		
315954109424301	D-16-26 32DAA	618559	4282	31° 59' 55.1'' / 109° 42' 45.1''			U	U		12/14/05	267.7	4014.3	V		
315958109425701	D-16-26 32DAB	618557	4280	31° 59' 59.1'' / 109° 42' 58.2''	500	500	U	U		12/14/05	275.1	4004.9	V	K	
315957109414501	D-16-26 33DAA2	602743	4306	31° 59' 58.3'' / 109° 41' 43.7''	450	450	U	U		12/14/05	281.3	4024.7	V		
320020109404401	D-16-26 34AAA		4325	32° 0' 23.9'' / 109° 40' 40.2''	825	825	U	U		12/05/05	314.5	4010.5	V		
315955109404101	D-16-26 34DAA		4328	31° 59' 58.6'' / 109° 40' 43.3''	1305	1305	U	U		12/14/05	304.0	4024.0	V		
320023109401301	D-16-26 35BAA	604385	4340	32° 0' 25.3'' / 109° 40' 9.2''	436	436	W	I		12/05/05	315.1	4024.9	V		
320011109400901	D-16-26 35BAD	604386	4340	32° 0' 11.7'' / 109° 40' 9.1''			W	I		12/05/05	308.3	4031.7	V		
320305109382501	D-16-27 07CDC	627053	4413	32° 3' 2.9'' / 109° 38' 19.1''	718	718	U	U		11/30/05	316.5	4096.5	V		
320306109381001	D-16-27 07DCC	627054	4420	32° 3' 2.7'' / 109° 38' 5.9''	880	880	U	U		11/30/05	308.1	4111.9	V		
320324109370601	D-16-27 08CAA3	522611	4461	32° 3' 23.5'' / 109° 37' 6.1''	400	400	W	S		12/01/05	297.1	4163.9	V		
320116109343301	D-16-27 27AAA	628038	4537	32° 1' 17.5'' / 109° 34' 32.3''	300	300	W	S	Annually	12/15/05	215.4	4321.6	V		
315957109325901	D-16-27 36DBB	608642	4595	31° 59' 54.5'' / 109° 32' 53.5''	500	500	W	S		12/01/05	251.3	4343.7	V		
320445109302401	D-16-28 04BBB		4709	32° 4' 40.3'' / 109° 30' 25.3''			W	S	Annually	11/30/05	338.3	4370.7	V		
320435109303401	D-16-28 05AAD	609511	4708	32° 4' 36.3'' / 109° 30' 33.3''	400	400	W	S		11/30/05	339.0	4369.0	V		
320052109271001	D-16-28 25BCD1		4900	32° 0' 52.2'' / 109° 27' 9.4''			W	H		12/08/05	205.7	4694.3	V		
320051109271001	D-16-28 25BCD2		4900	32° 0' 51.8'' / 109° 27' 9.1''			W	H		12/08/05	206.9	4693.1	V		
320040109270601	D-16-28 25CDB	626256	4930	32° 0' 33'' / 109° 27' 3.4''	360	360	U	U		12/08/05	286.7	4643.3	V		
320414109220801	D-16-29 02CBA UNSURV	642722	5712	32° 4' 14.1'' / 109° 22' 6.5''	20	20	W	S		12/02/05	10.2	5701.8	V		
320402109230201	D-16-29 03CDB	643335	5500	32° 4' 0.7'' / 109° 23' 1.3''	55	55	W	S		12/01/05	36.2	5463.8	V		
320442109235401	D-16-29 04AAA1		5567	32° 4' 42'' / 109° 23' 21''			U	U		12/07/05	58.9	5508.1	V		
320441109232001	D-16-29 04AAA2		5577	32° 4' 42.5'' / 109° 23' 19.8''			U	U		12/07/05			V	D	
320441109232002	D-16-29 04AAA3		5578	32° 4' 42.7'' / 109° 23' 19.7''			U	U		12/07/05	49.4	5528.6	V		
320406109234301	D-16-29 04DBC	643336	5390	32° 4' 6.9'' / 109° 23' 42.5''			W	S		12/01/05	33.9	5356.1	V		
320443109244701	D-16-29 05ABB		5302	32° 4' 44'' / 109° 24' 44.8''			U	U		12/07/05	190.6	5111.4	V		
320424109244001	D-16-29 05ACD	643334	5236	32° 4' 24.7'' / 109° 24' 38.5''	200	200	W	S		12/01/05	42.5	5193.5	V		
320322109222201	D-16-29 10DAA	628031	5525	32° 3' 21.7'' / 109° 22' 19.6''	200	200	W	S		12/01/05	103.5	5421.5	V		
320237109245001	D-16-29 17ACC	509786	5130	32° 2' 39.2'' / 109° 24' 52''	105	105	W	S		12/01/05	65.1	5064.9	V	P	
320136109233001	D-16-29 21DAC	628036	5159	32° 1' 35.9'' / 109° 23' 28.7''			W	S		12/01/05	201.5	4957.5	V		
320029109221601	D-16-29 26CCC2	629083	5230	32° 0' 29.6'' / 109° 22' 14.2''	120	120	W	H		11/30/05	17.6	5212.4	V		
320032109215701	D-16-29 26CDB	629081	5270	32° 0' 31.5'' / 109° 21' 54.5''	78	78	W	H		12/02/05	11.0	5259.0	V		
320038109211901	D-16-29 26DAD1	629082	5340	32° 0' 38.7'' / 109° 21' 17.9''	116	116	U	U		11/30/05	27.4	5312.6	V		
320041109211801	D-16-29 26DAD2	583755	5340	32° 0' 40.9'' / 109° 21' 18.1''	125	125	W	H		11/30/05	42.4	5297.6	V		
320031109222501	D-16-29 27DDA		5220	32° 0' 30.5'' / 109° 22' 23.6''			U	U		11/30/05	21.7	5198.3	V		
320028109222001	D-16-29 27DDD		5230	32° 0' 28.6'' / 109° 22' 17.8''			U	U		11/30/05	21.0	5209.0	V		
320033109241701	D-16-29 28CCB	628035	5070	32° 0' 34.5'' / 109° 24' 14.7''	200	200	W	H		12/01/05	28.1	5041.9	V		
320028109241601	D-16-29 28CCC	628034	5060	32° 0' 27.4'' / 109° 24' 11.2''	60	60	U	U		12/01/05	32.9	5027.1	V		
320025109240301	D-16-29 28CDC	628033	5065	32° 0' 26.8'' / 109° 24' 1''	113	113	W	S		12/01/05	21.9	5043.1	V		
320109109261301	D-16-29 30BBD1		4930	32° 1' 8.6'' / 109° 26' 12.5''	70	70	W	S		12/06/05	52.5	4877.5	V		
320107109261201	D-16-29 30BBD2	643339	4930	32° 1' 9.7'' / 109° 26' 13.2''			W	H		12/06/05	53.1	4876.9	V		
320019109240601	D-16-29 33BAB		5085	32° 0' 18.8'' / 109° 24' 5.4''			U	U		12/08/05	32.6	5052.4	V		
320012109235201	D-16-29 33BAD1		5110	32° 0' 6.6'' / 109° 23' 51.5''			U	U		11/30/05			V	D	
320011109235201	D-16-29 33BAD2		5110	32° 0' 6.4'' / 109° 23' 51.3''			W	H		12/01/05	30.0	5080.0	V		
320022109242001	D-16-29 33BBB	643331	5070	32° 0' 21.9'' / 109° 24' 18.1''	60	60	W	H		12/02/05	36.8	5033.2	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315930109512001	D-17-24 01BAA		4232	31° 59' 28.9'' / 109° 51' 19.8''	530	530	U	U		12/14/05	169.1	4062.9	V		
315909109514901	D-17-24 01BCC		4261	31° 59' 9.3'' / 109° 51' 48.4''	326	326	U	U		12/14/05	177.4	4083.6	V		
315855109510101	D-17-24 01DAC		4245	31° 58' 53.4'' / 109° 51' 0.9''	128	128	U	U	Inactive	12/14/05			V	D	
315929109525301	D-17-24 03AAA	508869	4296	31° 59' 30.1'' / 109° 52' 52.6''	300	300	W	H		12/05/05	211.4	4084.6	V		
315919109530401	D-17-24 03ABD	616934	4319	31° 59' 19.9'' / 109° 53' 6.6''	312	312	W	I		12/05/05	244.5	4074.5	V		
315906109532101	D-17-24 03ACC	616936	4339	31° 59' 5.8'' / 109° 53' 20.8''	400	400	W	I		12/05/05	271.0	4068.0	V		
315907109532201	D-17-24 03BDD	616938	4339	31° 59' 6.1'' / 109° 53' 22.2''	400	400	W	H		12/05/05	270.3	4068.7	V		
315852109534201	D-17-24 03CCA		4368	31° 58' 52.7'' / 109° 53' 36''			W	I		12/06/05	295.0	4073.0	V		
315854109530701	D-17-24 03DBD	616935	4327	31° 58' 56.6'' / 109° 53' 6.3''	550	550	W	I		12/06/05	261.2	4065.8	V		
315829109545501	D-17-24 08AAD2	628877	4463	31° 58' 28.9'' / 109° 54' 56.1''	532	532	W	H		12/06/05	402.1	4060.9	V		
315812109525101	D-17-24 11BCC	617432	4348	31° 58' 19.2'' / 109° 52' 49''	600	600	U	U		12/06/05	285.6	4062.4	V		
315748109521501	D-17-24 11DCC	617434	4342	31° 57' 48'' / 109° 52' 13.8''	600	600	W	I	Annually	12/14/05	285.9	4056.1	V		
315815109515101	D-17-24 12BCC	625780	4298	31° 58' 13.9'' / 109° 51' 48.4''	600	600	W	I		12/14/05	247.0	4051.0	V		
315748109514801	D-17-24 12CCC	625779	4317	31° 57' 47.9'' / 109° 51' 48.3''	525	525	W	I	Inactive	12/14/05	261.7	4055.3	V		
315652109532701	D-17-24 22BAA	642183	4446	31° 56' 50.9'' / 109° 53' 25.8''	524	524	W	H		12/06/05	374.4	4071.6	V		
315643109521301	D-17-24 23ABD1	604035	4390	31° 56' 45.7'' / 109° 52' 10.9''	373	373	U	U		12/15/05			V	O	
315646109521101	D-17-24 23ADB2	588414	4390	31° 56' 45.9'' / 109° 52' 11.2''	505	505	W	P	Annually	12/15/05	333.6	4056.4	V		
315515109511501	D-17-24 25DCC		4442	31° 55' 14.2'' / 109° 51' 14.5''			W	H		12/14/05	373.9	4068.1	V		
315513109545701	D-17-24 29DDD	521419	4685	31° 55' 12.5'' / 109° 54' 55.1''	140	140	W	S		12/06/05	226.4	4458.6	V		
315457109545601	D-17-24 32AAD	507816	4712	31° 54' 58'' / 109° 54' 53.7''	800	800	U	U		12/06/05	339.8	4372.2	V		
325453109525201	D-17-24 34ADA1	536609	4566	31° 54' 53.6'' / 109° 52' 52.5''	540	540	U	U		12/06/05	179.5	4386.5	V		
315417109514701	D-17-24 36CCC	616183	4528	31° 54' 18.7'' / 109° 51' 48.4''	408	408	W	H		12/14/05			V	D	
315902109454401	D-17-25 02DAA2	632898	4228	31° 59' 1.2'' / 109° 45' 43.5''	162	162	U	U		12/15/05			V	D	
315905109464701	D-17-25 03DAA	631565	4211	31° 59' 5.8'' / 109° 46' 44.9''	146	146	U	U		12/15/05			V	D	
315845109491501	D-17-25 05DCC	800202	4218	31° 58' 40.9'' / 109° 49' 15.5''	475	475	U	U		12/15/05			V	D	
315814109501901	D-17-25 07ACC2		4235	31° 58' 14.5'' / 109° 50' 19.3''			U	U		12/15/05	193.5	4041.5	V		
315828109502001	D-17-25 07BAD		4228	31° 58' 27.6'' / 109° 50' 20.1''	700	700	W	I		12/15/05	185.9	4042.1	V		
315818109504401	D-17-25 07BCC	626469	4248	31° 58' 18.4'' / 109° 50' 43.8''	590	590	W	I		12/15/05	206.8	4041.2	V		
315748109503001	D-17-25 07CDC	604380	4253	31° 57' 48.5'' / 109° 50' 28.5''	760	760	W	I		12/15/05	217.2	4035.8	V		
315748109501601	D-17-25 07DCC	601376	4243	31° 57' 48'' / 109° 50' 15.7''	600	600	W	I		12/15/05	206.0	4037.0	V		
315816109494501	D-17-25 08BCC2		4222	31° 58' 15.6'' / 109° 49' 47.3''	500	500	U	U	Annually	12/14/05	180.6	4041.4	V		
315750109454601	D-17-25 11DDA1		4226	31° 57' 55.7'' / 109° 45' 46.9''	70	70	U	U		12/14/05	152.3	4073.9	V		
315752109452401	D-17-25 12CDC	633289	4245	31° 57' 52.4'' / 109° 45' 26''	200	200	U	U		12/14/05	152.3	4092.7	V		
315709109484601	D-17-25 16CBC	616186	4256	31° 57' 8.6'' / 109° 48' 46.5''	580	580	U	U		12/14/05	208.1	4047.9	V		
315658109484601	D-17-25 16CCC1	616187	4267	31° 56' 56.2'' / 109° 48' 45.4''	450	450	U	U		12/14/05			V	O	
315656109484001	D-17-25 16CCC2	616188	4265	31° 56' 55.8'' / 109° 48' 40.1''	450	450	U	U		12/14/05				Z	
315658109481401	D-17-25 16DCC	616189	4256	31° 56' 55.8'' / 109° 48' 11.3''	560	560	U	U		12/14/05				Z	
315721109503501	D-17-25 18CBA	557357	4282	31° 57' 20.7'' / 109° 50' 33.8''	600	600	U	U		12/14/05	244.5	4037.5	V		
315611109504701	D-17-25 19CCB	502128	4362	31° 56' 13.9'' / 109° 50' 46.7''	800	800	W	P		12/15/05	314.4	4047.6	V		
315607109502101	D-17-25 19CDD	603878	4348	31° 56' 7'' / 109° 50' 20.3''	500	500	U	U		12/15/05	299.7	4048.3	V		
315618109494501	D-17-25 20CBC	612645	4320	31° 56' 17.2'' / 109° 49' 43''	592	592	U	U		12/14/05			V	O	
315642109452601	D-17-25 24BDB		4235	31° 56' 42.7'' / 109° 45' 27.2''			W	H		12/15/05	150.9	4084.1	V		
315538109501301	D-17-25 30ACC	625155	4372	31° 55' 37.2'' / 109° 50' 18.2''	585	585	U	U		12/15/05	323.8	4048.2	V		
315537109495401	D-17-25 30ADD	625153	4363	31° 55' 37.3'' / 109° 49' 53.1''	557	557	U	U		12/14/05	310.6	4052.4	V		
315538109502901	D-17-25 30BDC	625156	4384	31° 55' 36.9'' / 109° 50' 32.8''	557	557	U	U		12/15/05				Z	
315457109455701	D-17-25 35ADB	515139	4288	31° 54' 58.1'' / 109° 45' 58.2''	375	375	W	H		12/15/05	187.0	4101.0	V		
315930109401101	D-17-26 02BAA	604390	4330	31° 59' 32.9'' / 109° 40' 11.3''	400	400	U	U		12/14/05	279.7	4050.3	V		
315907109404001	D-17-26 03DAA		4319	31° 59' 6.1'' / 109° 40' 40.3''	600	600	U	U		12/14/05	259.2	4059.8	V		
315852109404301	D-17-26 03DDA1		4318	31° 58' 52.4'' / 109° 40' 40.3''	600	600	U	U		12/14/05	252.5	4065.5	V		
315930109414401	D-17-26 04AAD	620776	4297	31° 59' 25.5'' / 109° 41' 41.8''	797	797	U	U		12/07/05	270.0	4027.0	V		
315910109414501	D-17-26 04ADD1	620777	4300	31° 59' 8.3'' / 109° 41' 43.4''	500	500	W	I	Annually	12/07/05	269.0	4031.0	V		
315911109414201	D-17-26 04ADD2	640267	4299	31° 59' 11.9'' / 109° 41' 42.2''			W	H		12/07/05	269.4	4029.6	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315908109421201	D-17-26 04BDD		4292	31° 59' 7.3'' / 109° 42' 11.6''	509	509	W	I		12/07/05	268.4	4023.6	V		
315930109424301	D-17-26 05AAA1	605012	4282	31° 59' 31.8'' / 109° 42' 42.7''	800	800	W	H		12/13/05	263.1	4018.9	V		
315931109424401	D-17-26 05AAA2	605013	4282	31° 59' 32.5'' / 109° 42' 46.1''	700	525	U	U		12/13/05	238.7	4043.3	V		
315931109424701	D-17-26 05AAA3	605014	4280	31° 59' 32.5'' / 109° 42' 47.5''	800	800	U	U		12/13/05	238.6	4041.4	V		
315930109425501	D-17-26 05AAB	605015	4279	31° 59' 32.5'' / 109° 42' 55.4''	435	435	U	U		12/13/05	259.2	4019.8	V		
315932109431401	D-17-26 05BAA	610714	4275	31° 59' 32.1'' / 109° 43' 13.2''			W	I		12/13/05	257.1	4017.9	V		
315920109441601	D-17-26 06BAD	805118	4254	31° 59' 23.4'' / 109° 44' 14.1''	580	580	U	U	Annually	12/13/05	239.8	4014.2	V		
315932109443901	D-17-26 06BBB		4245	31° 59' 31.9'' / 109° 44' 39.2''			U	U		12/13/05	277.2	3967.8	V		
315835109404301	D-17-26 10AAA2		4318	31° 58' 36.5'' / 109° 40' 40''	800	800	U	U		12/12/05	235.9	4082.1	V		
315839109405301	D-17-26 10AAB	805863	4316	31° 58' 38.8'' / 109° 40' 52.6''			U	U		12/14/05	239.9	4076.1	V		
315840109411001	D-17-26 10BAA		4311	31° 58' 39.9'' / 109° 41' 10.5''			W	H		12/14/05	244.2	4066.8	V		
315811109404201	D-17-26 10DAA	616978	4312	31° 58' 12.8'' / 109° 40' 40.2''	650	650	U	U		12/12/05	214.9	4097.1	V		
315815109401001	D-17-26 11CAA	604393	4323	31° 58' 14.2'' / 109° 40' 9.1''			W	I		11/28/05			V	O	
315815109401001	D-17-26 11CAA	604393	4323	31° 58' 14.2'' / 109° 40' 9.1''			W	I		12/15/05			V	O	
315813109394001	D-17-26 11DAA	612905	4330	31° 58' 13.5'' / 109° 39' 38.4''	520	520	W	I		12/12/05	225.2	4104.8	V		
315835109390801	D-17-26 12BAA	613637	4340	31° 58' 36.6'' / 109° 39' 7''	395	395	W	I	Inactive	12/12/05	243.7	4096.3	V		
315813109391001	D-17-26 12BDD	613638	4340	31° 58' 16.4'' / 109° 39' 7.6''	504	504	W	I		12/12/05	236.5	4103.5	V		
315735109383901	D-17-26 13AAD	622875	4348	31° 57' 35.2'' / 109° 38' 37.1''	730	730	U	U		12/09/05	227.4	4120.6	V		
315710109383901	D-17-26 13DAD	622876	4350	31° 57' 9.1'' / 109° 38' 36.9''	710	710	U	U		12/09/05	223.7	4126.3	V		
315745109393901	D-17-26 14AAA		4329	31° 57' 45.8'' / 109° 39' 38.3''	600	600	U	U	Annually	11/28/05	214.0	4115.0	V		
315748109400801	D-17-26 14ABB		4321	31° 57' 47.6'' / 109° 40' 8.8''	400	400	U	U		11/28/05	206.1	4114.9	V		
315719109394401	D-17-26 14ADD		4330	31° 57' 23'' / 109° 39' 38.6''	355	355	U	U		12/09/05	204.4	4125.6	V		
315744109404301	D-17-26 15AAA		4311	31° 57' 48'' / 109° 40' 40''	575	575	U	U		12/15/05	191.8	4119.2	V		
315725109404301	D-17-26 15ADD		4311	31° 57' 28'' / 109° 40' 40''	470	470	U	U		12/15/05	194.7	4116.3	V		
315658109404101	D-17-26 15DDD		4310	31° 56' 59'' / 109° 40' 41''	360	360	U	U		12/15/05	185.7	4124.3	V		
315719109415101	D-17-26 16DAB1		4302	31° 57' 19'' / 109° 41' 50''			U	U		12/13/05			V	W	
315719109415001	D-17-26 16DAB2		4300	31° 57' 18.3'' / 109° 41' 49''			U	U		12/13/05			V	D	
315721109433001	D-17-26 17CBA	512814	4495	31° 57' 20.7'' / 109° 43' 28.3''	675	675	W	H		12/13/05	476.4	4018.6	V		
315606109401201	D-17-26 23CDD		4318	31° 56' 6.7'' / 109° 40' 9.4''	510	510	U	U		12/08/05	184.7	4133.3	V		
315651109384001	D-17-26 24AAA		4351	31° 56' 55.1'' / 109° 38' 36.3''	380	380	U	U		12/09/05	226.0	4125.0	V		
315632109383701	D-17-26 24ADD		4351	31° 56' 32.2'' / 109° 38' 37.3''	460	460	U	U		12/09/05	225.8	4125.2	V		
315656109390701	D-17-26 24BAA		4336	31° 56' 55.4'' / 109° 39' 6.9''	400	400	U	U		12/09/05	208.3	4127.7	V		
315654109393601	D-17-26 24BBB		4326	31° 56' 54'' / 109° 39' 36''	240	240	W	S		12/09/05			V	W	
315600109383901	D-17-26 25AAA	807852	4350	31° 56' 2.8'' / 109° 38' 37.2''	500	500	U	U		12/07/05	245.4	4104.6	V		
315553109391001	D-17-26 25BAD	611830	4338	31° 55' 54.3'' / 109° 39' 7.9''	1020	1020	U	U		12/08/05	212.6	4125.4	V		
315511109391001	D-17-26 25CDD	611832	4340	31° 55' 14.2'' / 109° 39' 7.6''	589	589	U	U		12/08/05	217.3	4122.7	V		
315535109384201	D-17-26 25DAA	807851	4352	31° 55' 34.9'' / 109° 38' 36.9''	415	415	W	I		12/08/05	253.0	4099.0	V		
315518109383701	D-17-26 25DDA	807853	4352	31° 55' 18.2'' / 109° 38' 36.9''			W	I		11/30/05	249.4	4102.6	V		
315601109394001	D-17-26 26AAA		4323	31° 56' 2.8'' / 109° 39' 38.7''	900	900	U	U		12/08/05	195.2	4127.8	V		
315515109401201	D-17-26 26CCD		4313	31° 55' 12.6'' / 109° 40' 26.6''	85	85	U	U		12/01/05			V	D	
315601109404101	D-17-26 27AAA		4307	31° 56' 3.2'' / 109° 40' 39.7''	500	500	U	U		12/15/05	177.8	4129.2	V		
315537109404101	D-17-26 27DAA		4308	31° 55' 35.3'' / 109° 40' 39.6''	317	317	U	U		12/15/05	177.9	4130.1	V		
315525109421501	D-17-26 28CAD	625596	4290	31° 55' 25.1'' / 109° 42' 15.2''	500	500	W	I		12/14/05	46.5	4243.5	V		
315500109404001	D-17-26 34AAD	625595	4312	31° 55' 2.2'' / 109° 40' 39.8''	406	406	W	I		12/01/05	185.4	4126.6	V		
315428109404001	D-17-26 34DDA		4310	31° 54' 31.5'' / 109° 40' 39.8''	350	350	W	I		12/01/05			V		
315509109394001	D-17-26 35AAA	627811	4331	31° 55' 10.8'' / 109° 39' 38.6''	1010	1010	W	I		12/01/05	208.9	4122.1	V		
315457109394401	D-17-26 35ADA	627807	4335	31° 54' 52.1'' / 109° 39' 38.1''	900	900	W	I		12/01/05	218.5	4116.5	V		
315509109401001	D-17-26 35BAA	627810	4320	31° 55' 10.9'' / 109° 40' 9.1''	1065	1065	W	I		12/01/05	194.0	4126.0	V		
315451109401001	D-17-26 35BDA	627809	4322	31° 54' 53.6'' / 109° 40' 9''	850	850	U	U		12/01/05	194.0	4128.0	V		
315433109401001	D-17-26 35CAD	627808	4322	31° 54' 36.9'' / 109° 40' 9.1''	700	700	U	U		12/01/05	192.0	4130.0	V		
315433109394101	D-17-26 35DAD	627806	4337	31° 54' 36.4'' / 109° 39' 38.7''	892	892	W	I		12/01/05	225.5	4111.5	V		
315508109384001	D-17-26 36AAA	616190	4352	31° 55' 5.3'' / 109° 38' 36.8''	794	794	U	U		12/08/05	246.0	4106.0	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315434109391101	D-17-26 36CAD	805467	4344	31° 54' 33.1'' / 109° 39' 7.2''	470	470	U	U		12/08/05	218.2	4125.8	V		
315922109323001	D-17-27 01AAD	609166	4622	31° 59' 22.3'' / 109° 32' 29.6''	1000	1000	U	U		12/08/05			V	O	
315858109323201	D-17-27 01DAD	616193	4621	31° 58' 56.8'' / 109° 32' 29.7''	1000	1000	U	U	Annually	12/08/05			V	Z	
315845109361601	D-17-27 04CDC	608639	4427	31° 58' 44.3'' / 109° 36' 17.1''	285	285	W	S		12/06/05				Z	
315825109360501	D-17-27 09BDA	627494	4439	31° 58' 22.4'' / 109° 36' 4''	617	617	U	U		12/06/05	296.7	4142.3	V		
315759109360501	D-17-27 09CDA	805968	4438	31° 57' 59'' / 109° 36' 5''			U	U		12/05/05				W	
315812109353501	D-17-27 09DAA		4465	31° 58' 10.7'' / 109° 35' 33.7''			U	U		12/06/05			V	D	
315809109343001	D-17-27 11CBB	627512	4511	31° 58' 8.7'' / 109° 34' 29.6''	300	300	W	S		12/07/05	186.5	4324.5	V		
315837109323101	D-17-27 12AAA		4620	31° 58' 35.1'' / 109° 32' 30.3''			U	U		12/07/05	276.3	4343.7	V	V	
315837109330301	D-17-27 12BAA	618490	4590	31° 58' 32.7'' / 109° 33' 0.2''	1000	1000	U	U		12/07/05	249.8	4340.2	V	V	
315743109323501	D-17-27 13AAA	627513	4616	31° 57' 43'' / 109° 32' 33.9''			W	S		12/07/05	262.2	4353.8	V		
315707109350501	D-17-27 15CDD		4488	31° 57' 3.9'' / 109° 35' 2.7''	982	982	U	U		12/06/05	275.2	4212.8	V		
315707109343501	D-17-27 15DDA		4509	31° 57' 6.9'' / 109° 34' 33''	796	796	U	U		12/06/05	248.8	4260.2	V		
315747109360501	D-17-27 16BAA		4439	31° 57' 46.5'' / 109° 36' 4.6''			W	I		12/05/05				O	
315736109361901	D-17-27 16BAC	627497	4426	31° 57' 35.9'' / 109° 36' 19.5''	800	800	U	U		12/05/05				Z	
315724109360501	D-17-27 16BDD		4434	31° 57' 23.7'' / 109° 36' 4.1''			U	U		12/05/05	266.8	4167.2	V		
315736109373901	D-17-27 18AAD	622870	4378	31° 57' 35.7'' / 109° 37' 37.1''	1000	1000	W	I		12/15/05	238.2	4139.8	V		
315735109380901	D-17-27 18BAD		4362	31° 57' 35.5'' / 109° 38' 7.3''	825	825	U	U		12/07/05	229.5	4132.5	V		
315710109382201	D-17-27 18CCA		4356	31° 57' 9'' / 109° 38' 2.8''			U	U		12/14/05	231.8	4124.2	V		
315710109373901	D-17-27 18DAD	622871	4378	31° 57' 9.5'' / 109° 37' 37.2''	700	700	U	U		12/06/05	242.5	4135.5	V		
315657109373701	D-17-27 18DDD	622872	4374	31° 56' 56.5'' / 109° 37' 37.1''	700	700	U	U		12/15/05	244.9	4129.1	V		
315643109374001	D-17-27 19AAD	622868	4380	31° 56' 43'' / 109° 37' 37.1''	650	650	U	U		12/14/05	252.1	4127.9	V		
315644109375201	D-17-27 19ABD		4373	31° 56' 43'' / 109° 37' 51.9''			U	U		12/14/05	251.6	4121.4	V		
315618109381001	D-17-27 19CAD	805707	4363	31° 56' 17.5'' / 109° 38' 7.5''	500	500	W	I		12/07/05	259.9	4103.1	V		
315627109374001	D-17-27 19DAA	805705	4380	31° 56' 24'' / 109° 37' 36.9''	500	500	W	I		12/06/05	255.3	4124.7	V		
315613109374001	D-17-27 19DDA	805706	4378	31° 56' 10.2'' / 109° 37' 36.5''	547	547	U	U		12/06/05	256.0	4122.0	V		
315623109370601	D-17-27 20CAD	606026	4397	31° 56' 21.6'' / 109° 37' 5.9''			W	I		12/08/05	244.3	4152.7	V		
315628109363601	D-17-27 20DAA1	606027	4414	31° 56' 24.4'' / 109° 36' 35.5''			U	U		11/29/05				Z	
315626109363601	D-17-27 20DAA2	606029	4413	31° 56' 22.1'' / 109° 36' 35.4''			U	U	Annually	11/29/05	250.7	4162.3	V		
315642109362601	D-17-27 21BAC		4423	31° 56' 43.1'' / 109° 36' 19.2''	951	951	U	U	Inactive	11/29/05	255.6	4167.4	V		
315628109360501	D-17-27 21CAA	627813	4432	31° 56' 27.5'' / 109° 36' 4.7''	1000	1000	U	U		11/29/05	258.1	4173.9	V		
315627109353401	D-17-27 21DAA	627812	4458	31° 56' 28.3'' / 109° 35' 34.5''	1000	1000	U	U		11/29/05	262.8	4195.2	V		
315640109343501	D-17-27 22ADA		4507	31° 56' 41.9'' / 109° 34' 33''	1055	1055	U	U		12/06/05			V	O	
315630109344201	D-17-27 22ADC		4497	31° 56' 29.9'' / 109° 34' 42.5''			U	U		12/06/05	259.2	4237.8	V		
315640109350901	D-17-27 22BDA		4485	31° 56' 41.8'' / 109° 35' 2.8''	586	586	U	U		12/06/05			V	O	
315559109353801	D-17-27 28AAA	627814	4452	31° 56' 2.8'' / 109° 35' 34.1''	1155	1155	W	I		11/29/05	256.8	4195.2	V		
315602109360701	D-17-27 28BAA	627815	4427	31° 56' 2.7'' / 109° 36' 4.8''	701	701	W	I	Annually	11/29/05	247.2	4179.8	V		
315514109361001	D-17-27 28CDD	627816	4424	31° 55' 14.3'' / 109° 36' 4.9''	750	750	U	U		11/29/05	247.6	4176.4	V		
315601109363701	D-17-27 29AAA	627818	4408	31° 56' 0.6'' / 109° 36' 35.1''	1000	1000	U	U		11/29/05	246.2	4161.8	V		
315551109370901	D-17-27 29BAD	604985	4392	31° 55' 55.4'' / 109° 37' 6''	485	485	W	I		11/29/05	240.3	4151.7	V		
315533109371101	D-17-27 29CAA	604986	4388	31° 55' 30.1'' / 109° 37' 6''	500	500	W	I		11/29/05	243.6	4144.4	V		
315531109363601	D-17-27 29DAA	627819	4407	31° 55' 31.3'' / 109° 36' 35.2''	660	660	W	I		11/29/05	247.7	4159.3	V		
315550109373901	D-17-27 30AAD		4377	31° 55' 55.8'' / 109° 37' 37.6''	600	600	W	I		12/06/05	257.6	4119.4	V		
315601109381001	D-17-27 30BAA		4362	31° 55' 58.8'' / 109° 38' 7.6''	500	500	W	I		12/07/05	258.6	4103.4	V	V	
315528109381001	D-17-27 30CAD	620667	4362	31° 55' 30.5'' / 109° 38' 8''	500	500	W	I		11/30/05	253.8	4108.2	V		
315535109373901	D-17-27 30DAA		4374	31° 55' 36.8'' / 109° 37' 37.5''	470	470	U	U		12/06/05	248.0	4126.0	V		
315444109375601	D-17-27 31ACD		4373	31° 54' 49.8'' / 109° 37' 53''	560	560	W	I		11/30/05	250.9	4122.1	V		
315447109374001	D-17-27 31ADD2		4375	31° 54' 45.8'' / 109° 37' 37.3''	560	560	W	I		11/30/05	252.8	4122.2	V		
315421109380401	D-17-27 31CDD2	618485	4366	31° 54' 22.5'' / 109° 38' 7.4''	502	502	U	U	Annually	12/07/05	243.7	4122.3	V		
315428109375301	D-17-27 31DCA	618484	4372	31° 54' 28.6'' / 109° 37' 52.4''	560	560	W	I		12/07/05	249.0	4123.0	V		
315420109374001	D-17-27 31DDD	618482	4381	31° 54' 23.4'' / 109° 37' 37.3''	555	555	W	I		11/30/05	253.6	4127.4	V		
315448109371001	D-17-27 32BDD	627821	4394	31° 54' 48'' / 109° 37' 6.2''	650	650	U	U		11/30/05	252.6	4141.4	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315421109371201	D-17-27 32CDD	627822	4398	31° 54' 22.5'' / 109° 37' 6.1''	600	600	U	U		11/30/05	254.8	4143.2	V		
315422109364201	D-17-27 32DDD	627823	4415	31° 54' 22.1'' / 109° 36' 36.2''	600	600	U	U		11/30/05	258.1	4156.9	V		
315510109353501	D-17-27 33AAD	627824	4447	31° 55' 2.1'' / 109° 35' 34.4''	1000	1000	U	U		11/29/05	247.9	4199.1	V		
315510109363401	D-17-27 33BBB	627828	4410	31° 55' 10.6'' / 109° 36' 34.1''	300	300	U	U		12/15/05				O	
315440109353501	D-17-27 33DAA	627827	4450	31° 54' 42.3'' / 109° 35' 34.8''	1005	1005	U	U		11/29/05	249.4	4200.6	V		
315845109274901	D-17-28 02DCC1	500539	4958	31° 58' 44.8'' / 109° 27' 48.7''	91	91	W	H		12/05/05	50.9	4907.1	V		
315845109275401	D-17-28 02DCC2	505793	4950	31° 58' 44.6'' / 109° 27' 52.6''	97	97	W	S		12/05/05	51.3	4898.7	V		
315920109313501	D-17-28 06AAD	609168	4680	31° 59' 25.3'' / 109° 31' 29.9''	1000	1000	U	U		12/07/05	336.0	4344.0	V		
315908109313001	D-17-28 06ADD	609169	4680	31° 59' 8.9'' / 109° 31' 29.4''	650	650	U	U		12/07/05	336.9	4343.1	V		
315914109320001	D-17-28 06BDA	609167	4652	31° 59' 16.3'' / 109° 31' 59.6''	1000	1000	W	I		12/07/05			V	O	
315855109320101	D-17-28 06CDA	616194	4650	31° 58' 47.7'' / 109° 31' 59.5''	1000	1000	W	I	Annually	12/07/05			V	O	
315850109313201	D-17-28 06DDA	616195	4681	31° 58' 51'' / 109° 31' 29.9''	1000	1000	U	U		12/07/05			V	Z	
315830109313001	D-17-28 07AAD	629014	4682	31° 58' 31'' / 109° 31' 29.8''	1000	1000	W	I		12/08/05				O	
315825109320001	D-17-28 07BDA	629013	4651	31° 58' 24.7'' / 109° 32' 0''	1000	1000	U	U		12/07/05				Z	
315727109263301	D-17-28 13ADB	607567	5065	31° 57' 28.3'' / 109° 26' 37.1''	250	250	W	S		12/06/05	160.1	4904.9	V		
315702109282401	D-17-28 14CCB2		4914	31° 57' 3.2'' / 109° 28' 24.5''			W	S		12/06/05	47.9	4866.1	V		
315817109204301	D-17-29 12ACC1		5500	31° 58' 16.6'' / 109° 20' 42.7''			U	U		11/30/05	20.5	5479.5	V		
315818109204301	D-17-29 12ACC2		5515	31° 58' 18.1'' / 109° 20' 43''			U	U		11/30/05	27.9	5487.1	V		
315812109201601	D-17-29 12DAA	609502	5570	31° 58' 12.2'' / 109° 20' 15.8''			W	S		11/30/05	23.6	5546.4	V		
315716109211001	D-17-29 13CBB UNSURV	643183	5688	31° 57' 17.9'' / 109° 21' 11.9''			U	U		12/02/05	9.3	5678.7	V		
315745109255301	D-17-29 18BAA	607568	5135	31° 57' 45.3'' / 109° 25' 52.6''	80	80	W	S		12/06/05	49.6	5085.4	V		
315832109175301	D-17-30 05CAD	640642	5980	31° 58' 31.1'' / 109° 17' 53.3''	190	190	U	U		12/02/05	37.5	5942.5	V		
315805109183501	D-17-30 07ABD UNSURV	642772	5790	31° 58' 4.7'' / 109° 18' 35.4''			W	S		12/02/05	21.8	5768.2	V		
315241109542101	D-18-24 09DCB	633368	4905	31° 52' 41.7'' / 109° 54' 21''	25	25	W	S		12/06/05	14.8	4890.2	S		
315100109532101	D-18-24 22CDA2	616233	4890	31° 51' 0'' / 109° 53' 21''	88	88	W	S		12/06/05	33.2	4856.8	S		
315418109390801	D-18-26 01BAA	627829	4343	31° 54' 17.8'' / 109° 39' 7.7''	800	800	W	I		12/08/05	217.6	4125.4	V		
315344109390301	D-18-26 01DBC		4347	31° 53' 43.9'' / 109° 39' 3.2''			W	H		12/08/05			V	O	
315413109394201	D-18-26 02AAA	627833	4333	31° 54' 13.3'' / 109° 39' 38.8''	903	903	U	U		12/01/05	225.3	4107.4	V		
315354109394001	D-18-26 02ADD	627831	4335	31° 53' 58.3'' / 109° 39' 38.7''	602	602	W	I		12/01/05	230.3	4104.7	V		
315408109401101	D-18-26 02BDA	627849	4323	31° 54' 7'' / 109° 40' 10''	600	600	U	U		12/15/05			V	W	
315341109400901	D-18-26 02CAD	627832	4322	31° 53' 40.7'' / 109° 40' 9.2''	600	600	W	I		12/15/05	209.4	4112.6	V		
315337109395601	D-18-26 02DCA	627834	4330	31° 53' 37'' / 109° 39' 53''	600	600	U	U		12/15/05			V	W	
315302109405201	D-18-26 10ADC	627842	4306	31° 53' 3.3'' / 109° 40' 53.3''	565	565	U	U		12/15/05			V	D	
315257109404401	D-18-26 10DAA	627843	4310	31° 53' 59.9'' / 109° 40' 39.7''	360	360	W	P		12/02/05	227.8	4082.2	V		
315322109401001	D-18-26 11BAA	627836	4322	31° 53' 21.2'' / 109° 40' 9''	600	600	W	I		12/05/05	224.9	4097.1	V		
315300109395301	D-18-26 11DBA	627845	4330	31° 52' 59.9'' / 109° 39' 53.4''	1000	1000	W	H		12/06/05	237.7	4092.3	V		
315316109390101	D-18-26 12ABC	630723	4345	31° 53' 16.8'' / 109° 39' 2.8''	334	334	W	H		12/15/05	193.5	4151.5	V		
315232109384001	D-18-26 12DDD1	627847	4357	31° 52' 34.1'' / 109° 38' 37.8''	1000	1000	U	U		12/15/05	238.9	4118.1	V		
315205109383901	D-18-26 13DAA	627846	4355	31° 52' 3.6'' / 109° 38' 37.5''	1000	1000	U	U		11/29/05			V	O	
315230109394201	D-18-26 14AAA	627851	4335	31° 52' 33.6'' / 109° 39' 39.5''	212	212	W	S		12/02/05	243.4	4091.6	V		
315401109363601	D-18-27 05ADA	627838	4412	31° 54' 0.3'' / 109° 36' 35.6''	700	700	U	U		11/30/05			V	O	
315405109370701	D-18-27 05BDA	627839	4396	31° 54' 7.1'' / 109° 37' 6.2''	700	700	W	I		12/08/05				Z	
315334109363601	D-18-27 05DAD		4417	31° 53' 39.7'' / 109° 36' 35.9''			W	I		11/28/05	244.2	4172.8	V		
315346109374301	D-18-27 06DAA		4380	31° 53' 46'' / 109° 37' 44.4''	684	505	W	I		11/30/05	241.5	4138.5	V		
315312109381401	D-18-27 07BDB1		4370	31° 53' 12.8'' / 109° 38' 14.4''			U	U		11/29/05			V	D	
315313109381401	D-18-27 07BDB2		4370	31° 53' 13'' / 109° 38' 14.5''			W	H		11/29/05	234.9	4135.1	V		
315235109380801	D-18-27 07CDD2	606067	4372	31° 52' 36'' / 109° 38' 8.5''	360	360	W	T		11/29/05	246.1	4125.9	V		
315318109372101	D-18-27 08BAC	648836	4395	31° 53' 18.8'' / 109° 37' 13.8''	360	360	W	H	Annually	11/28/05	237.1	4157.9	V		
315315109370601	D-18-27 08BAD		4389	31° 53' 14.3'' / 109° 37' 7''			W	H		11/28/05	239.0	4150.0	V	R	
315316109373501	D-18-27 08BBC		4383	31° 53' 16.8'' / 109° 37' 34.5''			W	H		11/29/05	235.3	4147.7	V		
315306109371001	D-18-27 08BDA	611174	4397	31° 53' 7'' / 109° 37' 9.5''	300	300	W	H		11/28/05	237.6	4159.4	V		
315258109355901	D-18-27 09DBB	85609	4448	31° 52' 57.1'' / 109° 35' 58.7''	330	330	U	U		11/28/05	243.9	4204.1	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315238109355101	D-18-27 09DCD		4458	31° 52' 37.6'' / 109° 35' 49.6''			U	U		11/28/05	248.2	4209.8	V		
315312109335801	D-18-27 11ACB	603907	4541	31° 53' 12.8'' / 109° 33' 58.3''			U	U		12/13/05	230.8	4310.2	V		
315225109373801	D-18-27 18AAD	508149	4388	31° 52' 28.2'' / 109° 37' 37.7''	342	342	W	H		12/06/05	239.7	4148.3	V		
325136109380401	D-18-27 19ABB	527028	4377	31° 51' 40.4'' / 109° 38' 2.8''	325	321	W	S		11/29/05	254.8	4122.2	V		
315137109382501	D-18-27 19BBA	510623	4364	31° 51' 37'' / 109° 38' 25''	331	331	W	H		11/29/05			V	W	
315125109344701	D-18-27 22ADB	504069	4512	31° 51' 22.8'' / 109° 34' 45.6''	330	330	W	H		11/28/05	238.9	4273.1	V		
315108109344201	D-18-27 22DAC		4520	31° 51' 6.7'' / 109° 34' 42.9''			W	H		11/29/05			V	O	
315047109323301	D-18-27 25AAA	617994	4653	31° 50' 46.8'' / 109° 32' 30.1''	380	380	W	I		11/29/05	250.8	4402.2	V		
315025109325601	D-18-27 25ACC1	805916	4630	31° 50' 19.6'' / 109° 33' 7''	40	40	U	U		11/29/05			V	D	
315027109325601	D-18-27 25ACC2	807053	4635	31° 50' 27'' / 109° 32' 55''	365	365	W	H		11/29/05			V	O	
315041109363101	D-18-27 29AAD	529992	4455	31° 50' 42.3'' / 109° 36' 38.1''	420	420	W	H		11/29/05	281.5	4173.5	V		
315409109264601	D-18-28 01ABC	607564	5135	31° 54' 9.1'' / 109° 26' 46.5''	80	80	W	S		12/08/05	50.1	5084.9	V		
315328109312501	D-18-28 05CCC1		4695	31° 53' 28'' / 109° 31' 25''	20	20	W	S		11/30/05				W	
315329109312701	D-18-28 05CCC2		4710	31° 53' 27'' / 109° 31' 24.2''	407	407	W	H		11/30/05	360.2	4349.8	V		
315344109314801	D-18-28 06DBD	601299	4682	31° 53' 45'' / 109° 31' 49.7''	438	438	W	H		12/13/05	342.6	4339.4	V		
315235109320001	D-18-28 07CDD	632886	4660	31° 52' 37.3'' / 109° 32' 3''	442	442	U	U		11/30/05	314.3	4345.7	V		
315308109305901	D-18-28 08BDA2	631806	4743	31° 53' 7.7'' / 109° 31' 5''	468.5	468.5	W	H		11/30/05	379.6	4363.4	V		
315317109284901	D-18-28 10ABC		4915	31° 53' 16.6'' / 109° 28' 48.4''			W	S		12/09/05	16.8	4898.2	V		
315255109275801	D-18-28 11CAA		5020	31° 52' 55.9'' / 109° 27' 0.5''	80	80	W	H		12/05/05	51.4	4968.6	V		
315230109275501	D-18-28 14BAA1	801786	5035	31° 52' 29.7'' / 109° 27' 54.8''	50	50	W	H		12/01/05			V	D	
315232109291301	D-18-28 15BBA	808474	4910	31° 52' 31.7'' / 109° 29' 12.3''			W	H		12/08/05	525.7	4384.3	V		
315151109292901	D-18-28 16DDA		4885	31° 51' 51'' / 109° 29' 29''			W	H		12/01/05	492.3	4392.7	V		
315228109310301	D-18-28 17BAA	505333	4742	31° 52' 25.9'' / 109° 31' 1.9''	496	496	W	H	Annually	11/28/05	381.7	4360.3	V		
315117109315801	D-18-28 19ACC1	632943	4685	31° 51' 17'' / 109° 31' 58''	23	23	W	H		11/29/05	9.7	4675.3	V		
315120109315901	D-18-28 19ACC2	527211	4685	31° 51' 19.7'' / 109° 31' 59.4''	470	470	W	S		11/29/05	301.9	4383.1	V		
315135109312201	D-18-28 20BBC	632945	4721	31° 51' 33.8'' / 109° 31' 24.8''	370	370	W	H		11/29/05	336.8	4383.8	V		
315106109291001	D-18-28 22CAC	645298	4900	31° 51' 7'' / 109° 29' 10''	632	632	W	S		12/01/05	488.0	4412.0	V		
315207109254001	D-18-29 18ACD	637453	5300	31° 52' 7'' / 109° 25' 40''	30	30	U	U		12/29/05	20.0	5280.0	V		
315136109252601	D-18-29 19AAA	637455	5307	31° 51' 36'' / 109° 25' 26''	32	32	W	S		12/01/05	22.7	5284.3	V		
315104109252401	D-18-29 19DAD	806524	5322	31° 51' 4'' / 109° 25' 24''	30	30	W	H		12/01/05	10.7	5311.3	V	P	
315055109253501	D-18-29 19DDB	207253	5300	31° 50' 54.9'' / 109° 25' 35.3''	395	395	W	H		12/01/05	30.9	5269.1	V		WELL NOT ON-LINE YET, RECENTLY DRILLED.
315052109253501	D-18-29 19DDC1		5285	31° 50' 52'' / 109° 25' 35''	10	10	W	S		12/01/05			V	W	
315052109253401	D-18-29 19DDC2		5285	31° 50' 52'' / 109° 25' 34''	10	10	W	I		12/01/05			V		
315054109253101	D-18-29 19DDC3		5290	31° 50' 53.7'' / 109° 25' 30.7''			W	U		12/01/05	9.8	5280.2	S		
315100109251701	D-18-29 20CCB	806523	5330	31° 51' 0'' / 109° 25' 17''	40	40	W	I		12/01/05	35.0	5295.0	V		
314758109300301	D-19-28 08ABD	649320	4920	31° 47' 57.3'' / 109° 30' 3.7''	550	550	W	H		11/29/05	453.1	4466.9	V		
314442109265101	D-19-28 26DDB	642407	5140	31° 44' 42'' / 109° 26' 55''	575	575	U	U		12/05/05			V	W	
314436109290101	D-19-28 28DCD	628614	4978	31° 44' 36'' / 109° 29' 1''	166	166	U	U		12/05/05			V	D	
314440109284601	D-19-28 28DDD		5000	31° 44' 38'' / 109° 28' 44''			U	U		12/05/05	14.9	4985.1	V		
314430109264601	D-19-28 35AAA		5040	31° 44' 34'' / 109° 26' 46''			W	S		12/05/05			V	O	
314458109305101	D-19-28E30DAA	628618	4845	31° 45' 0.1'' / 109° 30' 49.5''			W	H		12/01/05	40.7	4804.3	V	P	
314502109310201	D-19-28E30DAB	628612	4850	31° 45' 0.3'' / 109° 30' 54.8''	295	295	W	H		12/01/05	33.8	4816.2	V		
314527109221201	D-19-29 22CDD	642749	5550	31° 45' 27.4'' / 109° 22' 12.2''	164	164	U	U		12/09/05	8.2	5541.8	V		
314030109291801	D-20-28 21CAD2	805886	5185	31° 40' 27.3'' / 109° 29' 16.8''	30	30	W	S		12/06/05	8.1	5176.9	S		
313925109274101	D-20-28 26CCB	611842	4940	31° 39' 27.9'' / 109° 27' 41.8''	30	30	W	S		12/07/05	16.3	4923.7	S		
313952109274801	D-20-28 27ADA	611834	4960	31° 39' 55'' / 109° 27' 48''	35	35	W	S		12/07/05	6.6	4953.4	S		
313839109291001	D-20-28 33DCA	611840	4990	31° 38' 39'' / 109° 29' 10''	30		W	S		12/07/05	2.7	4987.3	S		
314018109250401	D-20-29 19DCA	611844	5290	31° 40' 17.1'' / 109° 25' 3''			W	S		12/06/05	25.0	5265.0	V		
314013109242201	D-20-29 20CDC		5350	31° 40' 13'' / 109° 24' 22''			W	H		12/06/05			V	W	
313712109281301	D-21-28 11BCA1	607268	4810	31° 37' 15.9'' / 109° 28' 12''	52	52	W	S		12/07/05	41.7	4768.3	V		
313721109281301	D-21-28 11BCA2	607269	4810	31° 37' 16.2'' / 109° 28' 12.1''	85	85	W	S		12/07/05	42.8	4767.2	V		

Appendix 9. Willcox Basin initial dataset water level measurements Water Year 2006.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
313523109293001	D-21-28 21ADD	607267	4685	31° 35' 22.9'' / 109° 29' 29.3''	50	50	W	S		12/07/05	17.8	4667.2	V		
313535109284901	D-21-28 22ABC	607265	4715	31° 35' 35.1'' / 109° 28' 49.9''	65	65	W	S		12/07/05	30.6	4684.4	V		
313527109285401	D-21-28 22BDA	607266	4715	31° 35' 29.8'' / 109° 28' 55.54''	65	65	W	S		12/07/05	30.1	4684.9	V		
313438109243301	D-21-29 29ADB UNSURV	607264	5040	31° 34' 35.8'' / 109° 24' 27''			U	U		12/07/05	132.8	4907.2	V	S	

1. * = Undetermind, O = Observation, U = Unused, W = Withdrawal, Z = Well Destroyed
2. * = Undetermind, H = Domestic, I = Irrigation, N = Industrial, O = Observation, P = Public Supply, S = Stock, T = Institution, U = Unused, Z = Other
3. S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape
4. D = Dry, K = Cascading Water, O = Obstruction, P = Pumping, R = Recently Pumped, S = Nearby Pumping, V = Foreign Material (oil), W = Well Destroyed, Z = Other

Appendix 10

Willcox Basin initial dataset water level measurements Water Year 2015.

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
324018110005401	D-09-23 08ABC	805360	5150	32° 40' 20.2'' / 110° 1' 1.3''			W	S	Annually	12/11/14	275.7	4874.3	V	P	
323656109582701	D-09-23 34AAA	615665	4625	32° 36' 56.4'' / 109° 58' 26.8''			W	S		12/23/14			Z	Z	UTM-WELL LOCKED AND HAD NO KEY TO ACCESS.
323654109574101	D-09-23 35ABB	615666	4670	32° 36' 56.8'' / 109° 57' 45.7''	430	430	U	U		12/23/14			Z	Z	UTM-WELL LOCKED AND HAD NO KEY TO ACCESS.
323313110125001	D-10-21 20ACA	631581	4859	32° 33' 12.6'' / 110° 13' 7.2''	1000	1000	W	H		01/07/15	741.1	4117.9	V		
323304110133601	D-10-21 20BCD		4928	32° 33' 5.4'' / 110° 13' 36.1''	336	336	W	S		01/07/15	317.0	4611.0	V		
323354110133601	D-10-21 20BCD2		4928	32° 33' 5.4'' / 110° 13' 36.1''			W	I		01/07/15	725.9	4202.1	V		
323243110095601	D-10-21 23DCA	647957	4646	32° 32' 43.2'' / 110° 9' 58''	1020	1020	U	U		01/08/15			Z	Z	UTM-NO MP ACCESS
323236110094401	D-10-21 23DDD	647956	4630	32° 32' 36'' / 110° 9' 44''	476	476	U	U		01/08/15			V	Z	UTM - DRY
323234110094401	D-10-21 26AAA	514765	4639	32° 32' 34.5'' / 110° 9' 45.9''	700	700	W	S		01/08/15			Z	Z	UTM-NO MP ACCESS
323224110130601	D-10-21 29ACB	646559	4864	32° 32' 15.8'' / 110° 13' 12.1''	708	708	W	H		01/07/15	645.5	4218.5	V		
323132110121401	D-10-21 33ABC2	505731	4790	32° 31' 33.5'' / 110° 12' 12.6''	680	680	W	S		01/07/15			Z	Z	UTM-BEES
323052110094101	D-10-21 35DDD1	646250	4658	32° 30' 52.7'' / 110° 9' 40.8''	100	100	U	U		01/07/15	30.2	4627.8	V		
323423110052001	D-10-22 10CCD	628515	4450	32° 34' 22.7'' / 110° 5' 20''			W	H		12/03/14	316.8	4133.2	V		
323318110070401	D-10-22 20ABC		4519	32° 33' 19.6'' / 110° 7' 6.6''			U	U		12/03/14			Z	Z	UTM - NO ACCESS
323146110065101	D-10-22 29DDC	647036	4535	32° 31' 46'' / 110° 6' 51''	675	675	W	H		12/03/14			Z	Z	UTM - NO ACCESS
323058110075601	D-10-22 31DCC	628523	4581	32° 30' 58'' / 110° 8' 1''	90	90	W	S		01/07/15			Z	Z	UTM-LOCKED GATE
323140110033501	D-10-22 35AAA	628349	4424	32° 31' 43.3'' / 110° 3' 35.3''	450	450	U	U		12/03/14	317.6	4106.4	V		
323055110042701	D-10-22 35CCC1	628346	4452	32° 30' 54'' / 110° 4' 32.7''	515	515	U	U		12/03/14	347.5	4104.5	V		
323054110043301	D-10-22 35CCC2		4452	32° 30' 54'' / 110° 4' 33''			U	U		12/03/14	329.6	4122.4	V		
323113110035801	D-10-22 35DBB	628348	4436	32° 31' 15'' / 110° 3' 59.5''	500	500	U	U		12/03/14	330.5	4105.5	V		
323120110025701	D-10-22 36ACA	628358	4401	32° 31' 30.7'' / 110° 2' 51.2''	453	453	U	U		12/03/14	299.1	4101.9	V		
323120110031101	D-10-22 36BDC2	628359	4411	32° 31' 23.9'' / 110° 3' 8.9''	450	450	U	U		12/03/14	307.3	4103.7	V		
323055110032701	D-10-22 36CCB	628335	4419	32° 30' 59.4'' / 110° 3' 30.7''	480	480	W	U		12/03/14	317.1	4101.9	V		
323542109581101	D-10-23 02BDB	615737	4553	32° 35' 45.9'' / 109° 58' 0.4''	1020	1020	W	I		12/23/14			Z	O	UTM-NO ACCESS, OBSTRUCTION WHILE TAKING MEASUREMENT.
323538109575401	D-10-23 02CAA	805356	4350	32° 35' 34.5'' / 109° 57' 56.9''	87	87	O	O		12/23/14			Z	Z	UTM-WELL LOCKED AND HAD NO KEY TO ACCESS.
323522109580701	D-10-23 02CCA2		4540	32° 35' 24.4'' / 109° 58' 10''			U	U		12/23/14			Z	Z	UTM-ALL GATES WAS LOCKED, NO ACCESS TO WELL
323520109580701	D-10-23 02CCA3		4538	32° 35' 21'' / 109° 58' 7''			U	U		12/23/14			Z	Z	UTM-GATE WAS LOCKED, NO ACCESS TO WELL.
323519109580701	D-10-23 02CCA4		4536	32° 35' 19'' / 109° 58' 7''			U	U		12/23/14			Z	Z	UTM-GATE WAS LOCKED, NO ACCESS TO WELL
323423110002801	D-10-23 08DDD	615738	4510	32° 34' 22.8'' / 110° 0' 28''	465	465	W	S		01/06/15			V	O	UTM - OBS @ MP
323511109591401	D-10-23 10BBA	627747	4543	32° 35' 13'' / 109° 59' 16.3''	705	705	W	S	Annually	12/11/14	424.4	4118.6	V		
323507109573801	D-10-23 11ABA	615739	4539	32° 35' 7.6'' / 109° 57' 38.2''	950	950	W	T		12/23/14	438.1	4100.9	V		
323507109573801	D-10-23 11ABA	615739	4539	32° 35' 7.6'' / 109° 57' 38.2''	950	950	W	T		12/23/14			Z	Z	UTM-ALL GATES WAS LOCKED, NO ACCESS TO WELL
323448109574701	D-10-23 11ACC		4529	32° 34' 49.1'' / 109° 57' 47.6''			U	U		12/23/14			Z	Z	UTM-ALL GATES WAS LOCKED, NO ACCESS TO WELL
323427109575501	D-10-23 11CDA		4507	32° 34' 27.9'' / 109° 57' 55.9''			W	I		12/23/14			Z	Z	UTM-ALL GATES WAS LOCKED, NO ACCESS TO WELL
323247109595701	D-10-23 21CDA	631268	4438	32° 32' 47'' / 109° 59' 57''	500	500	U	U		12/22/14			Z	Z	UTM - MP OBSTRUCTED NO ACCESS.
323259110001501	D-10-23 21DBA	618064	4440	32° 32' 57'' / 109° 59' 42.6''	450	450	U	U		12/22/14			Z	Z	UTM-NO MP ACCESS HOLE.
323301109595201	D-10-23 21DBB		4440	32° 33' 1.3'' / 109° 59' 52.1''			U	U		12/24/14	230.6	4209.4	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
323305109591401	D-10-23 22BCD	618062	4458	32° 33' 4.9'' / 109° 59' 9.4''	600	600	W	I		12/24/14			Z	Z	UTM-NO ACCES HOLE, MP BLOCKED.
323224109581201	D-10-23 26BBD	527632	4465	32° 32' 23.9'' / 109° 58' 12''	930	930	W	I		12/24/14	386.2	4078.8	V		
323232110001501	D-10-23 28BBA	618060	4429	32° 32' 34.5'' / 110° 0' 10.8''	605	605	U	U		01/06/15	332.7	4096.3	V		
323220110004501	D-10-23 29ACD	628336	4413	32° 32' 13.6'' / 110° 0' 42.3''	433	433	W	I		01/06/15	319.5	4093.5	V		
323134110022401	D-10-23 31BCB	628341	4388	32° 31' 27.4'' / 110° 2' 30''	422	422	U	U		12/03/14	284.2	4103.8	V		
323134110003601	D-10-23 32ADB		4423	32° 31' 30.7'' / 110° 0' 36.4''			W	I		01/06/15			V	O	UTM- OBS @ 5 FEET
323119109593601	D-10-23 33ADC		4423	32° 31' 19'' / 109° 59' 36''			W	I		12/22/14			Z	Z	UTM - WELL DESTROYED AT TIME OF VISIT.
323139109595901	D-10-23 33BAA	622075	4428	32° 31' 43.4'' / 109° 59' 55''	500	500	W	H		12/23/14	344.9	4083.1	V		
323114110002201	D-10-23 33CBB	622077	4421	32° 30' 50.3'' / 110° 0' 1.1''	500	500	W	I		01/06/15	335.9	4085.1	V		
323116109594301	D-10-23 33DBA		4421	32° 31' 17.9'' / 109° 59' 42.3''			W	I		12/22/14	340.5	4080.5	V		
323105109583801	D-10-23 34DBD	608860	4428	32° 31' 5'' / 109° 58' 38''	525	525	U	U		12/22/14	355.1	4072.9	V		
323347109543501	D-10-24 17DBD	615744	4745	32° 33' 47.2'' / 109° 54' 34.9''	720	720	W	H		12/23/14			Z	Z	UTM-NO ACCESS HOLE IN CASING.
323313109523301	D-10-24 22ACA		4884	32° 33' 13'' / 109° 52' 32.3''			U	U		12/24/14	252.8	4631.2	V		
323122109522401	D-10-24 34ADC	615745	4830	32° 31' 22'' / 109° 52' 24''			U	U		01/06/15	174.8	4655.2	V		
323137109513501	D-10-24 35ABB	601473	4964	32° 31' 37'' / 109° 51' 35''	70	70	U	U		01/06/15	40.3	4923.7	V		
323043110092501	D-11-21 01ABB		4658	32° 30' 44.3'' / 110° 9' 23.5''			W	H		01/07/15	68.3	4589.7	V		
323043110094801	D-11-21 01BBD	626858	4653	32° 30' 42.7'' / 110° 9' 48.7''	70	70	W	S		01/07/15	58.1	4594.9	V		
322936110105801	D-11-21 11BCC	646252	4755	32° 29' 36'' / 110° 10' 58''	90	90	W	H		12/05/14	56.4	4698.6	V		
323041110031201	D-11-22 01ACB	628356	4407	32° 30' 37.6'' / 110° 3' 12.2''	450	450	U	U		12/03/14			V	O	UTM - OBS @ 304.8
323051110032801	D-11-22 01BAB	628363	4418	32° 30' 50.6'' / 110° 3' 28.3''	350	350	W	H		12/03/14	314.4	4103.6	V		
323047109584501	D-11-23 03AAB	800463	4422	32° 30' 51'' / 109° 58' 52''	712	712	W	I		12/17/14	352.6	4069.4	V		
323034109592401	D-11-23 03BAC		4404	32° 30' 38'' / 109° 59' 27''			W	I		12/17/14	327.7	4076.3	V		
323051109593501	D-11-23 03BBA		4409	32° 30' 51.2'' / 109° 59' 34.2''			W	I		12/17/14	332.1	4076.9	V		
323013109585501	D-11-23 03DAC	605574	4398	32° 30' 12.7'' / 109° 58' 56''	750	750	W	I		12/17/14	322.5	4075.5	V		
323024109591101	D-11-23 03DBB	605573	4405	32° 30' 25.2'' / 109° 59' 11''	500	500	W	H		12/17/14			Z		UTM-PUMPING AND NO ACCES WELDED STEEL PLATE CASING.
323051110000101	D-11-23 04ABA	800465	4410	32° 30' 51.3'' / 110° 0' 1.1''	600	600	W	I		01/06/15	325.6	4084.4	V		
323024109594701	D-11-23 04DAA	605575	4399	32° 30' 25.1'' / 109° 59' 46.7''	504	504	W	I		12/17/14			Z	Z	UTM-MP WAS SEALED, NO ACCESS.
323048110004801	D-11-23 05AAA		4402	32° 30' 50.9'' / 110° 0' 44''			W	S		01/06/15	316.4	4085.6	V		
323003110005601	D-11-23 05ADC		4392	32° 30' 28.2'' / 110° 0' 58.5''			W	I		01/06/15			Z	Z	UTM - NO ACCESS
323038110022601	D-11-23 06BDB	628369	4382	32° 30' 38.8'' / 110° 2' 26.2''	500	500	W	H		12/03/14	285.5	4096.5	V		
322950110020501	D-11-23 07AAC	628355	4373	32° 29' 52.2'' / 110° 1' 59.3''	501	501	U	U		12/02/14	279.6	4093.4	V		
322950110023801	D-11-23 07BAC	628351	4381	32° 29' 51.6'' / 110° 2' 27.7''	501	501	U	U		12/02/14			V	O	UTM - OBS@256.8 MAYBE DRY
322956110010401	D-11-23 08AAB		4383	32° 29' 58.2'' / 110° 1' 7.2''	425	425	W	I		12/02/14	292.1	4090.9	V		
322940110014201	D-11-23 08BCC	628350	4368	32° 29' 39'' / 110° 1' 45.3''	250	250	U	U		12/02/14			V	O	UTM - OBS @ 161.6
322956109584501	D-11-23 10AAA	613594	4398	32° 29' 59'' / 109° 58' 42.5''	500	500	W	I		12/11/14	322.5	4075.5	V		
322956109585201	D-11-23 10ABA	613595	4397	32° 29' 59.3'' / 109° 58' 58.7''	500	500	W	I		12/11/14	317.5	4079.5	V		
322956109593001	D-11-23 10BBA	613596	4392	32° 29' 59.4'' / 109° 59' 34.4''	503	503	W	I		12/11/14	309.3	4082.7	V		
322959109593201	D-11-23 10BBA2		4392	32° 29' 58.8'' / 109° 59' 32''			U	U		12/11/14	310.1	4081.9	V		
322931109593901	D-11-23 10CBB	613592	4382	32° 29' 33'' / 109° 59' 41''	1165	1165	W	I		12/14/14			Z	O	UTM - OBS @ MP
322931109584401	D-11-23 10DAA	613593	4387	32° 29' 32.8'' / 109° 58' 41.9''	505	505	W	I		12/11/14	326.4	4060.6	V		
322957109574401	D-11-23 11AAA	619391	4418	32° 29' 58.6'' / 109° 57' 41.3''	475	475	W	I		12/11/14			V	O	UTM - OBS @ MP
322459109581501	D-11-23 11ABC		4285	32° 24' 59.3'' / 109° 58' 15''			U	U		12/11/14	343.0	3942.0	V		
322958109581401	D-11-23 11BAA	605883	4407	32° 29' 58'' / 109° 58' 14''	500	500	W	I		12/11/14	335.2	4071.8	V		
322958109581201	D-11-23 11BAA2	536472	4407	32° 29' 58.1'' / 109° 58' 12.5''	815	815	W	I		12/11/14	337.2	4069.8	V		
322930109581301	D-11-23 11CAA		4391	32° 29' 33.3'' / 109° 58' 17.8''			W	I		12/11/14			Z	Z	UTM - NO ACCESS
322956109564101	D-11-23 12AAA	605881	4451	32° 29' 58.7'' / 109° 56' 38.5''	702	702	W	I		12/11/14			V	O	UTM - OBS @ MP

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322930109571401	D-11-23 12CAA		4417	32° 29' 33.6'' / 109° 57' 11.9''	500	500	W	I		12/11/14	372.0	4045.0	V		
322930109564201	D-11-23 12DAA		4432	32° 29' 33.2'' / 109° 56' 37.4''	570	570	W	I		12/11/14	381.5	4050.5	V		
322904109574301	D-11-23 13AAA		4412	32° 29' 7'' / 109° 56' 43.1''	450	450	W	I		12/11/14	352.0	4060.0	R		REPORTED BY DRILLER
322905109571201	D-11-23 13BAA	615801	4402	32° 29' 7.3'' / 109° 57' 7.4''	500	500	U	U		12/11/14	344.5	4057.5	V		
322836109574301	D-11-23 13DAA1		4390	32° 28' 40'' / 109° 57' 38''	540	540	U	U		12/11/14	338.9	4051.1	V		
322841109563701	D-11-23 13DAA2		4389	32° 28' 41'' / 109° 56' 37''			W	I		12/11/14	335.8	4053.2	V		
322905109574301	D-11-23 14AAA	615802	4387	32° 29' 7'' / 109° 57' 40.8''	500	500	U	U		12/11/14	329.4	4057.6	V		
322907110575501	D-11-23 14ABA	615803	4382	32° 29' 7.3'' / 109° 57' 54.4''	526	526	U	U		12/11/14	320.9	4061.1	V		
322904109580601	D-11-23 14ABB	615804	4379	32° 29' 6.9'' / 109° 58' 9.6''	600	600	W	I		12/11/14	319.5	4059.5	V		
322907109581101	D-11-23 14BAA		4390	32° 29' 6.9'' / 109° 58' 10.9''			W	I		12/11/14			Z	Z	UTM - NO ACCESS
322903109583001	D-11-23 14BBA	617021	4376	32° 29' 7'' / 109° 58' 24''	400	400	Z	Z		12/11/14			Z	W	UTM - WELL DESTROYED
322840109583001	D-11-23 14CBB		4357	32° 28' 39.5'' / 109° 58' 29.5''			W	I		12/11/14	303.0	4054.0	V		
322819109581101	D-11-23 14CDD		4353	32° 28' 19.3'' / 109° 58' 11.4''			W	H		12/11/14	300.2	4052.8	V		
322904109584501	D-11-23 15AAA	603712	4373	32° 29' 7'' / 109° 58' 45''	500	500	W	I		12/12/14	310.5	4062.5	V		
322904109590801	D-11-23 15ABB	603711	4372	32° 29' 7'' / 109° 59' 7''	500	500	W	I		12/12/14			Z	Z	UTM - NO ACCESS
322905109593801	D-11-23 15BBB	613591	4369	32° 29' 6.7'' / 109° 59' 41.9''	500	500	W	I		12/12/14	288.0	4081.0	V		
322838109590801	D-11-23 15DBB	603710	4355	32° 28' 41'' / 109° 59' 6''	500	500	W	I		12/12/14	284.4	4070.6	V		
322838110010901	D-11-23 17ACD		4349	32° 28' 42'' / 110° 1' 0.7''			W	H		12/02/14	261.5	4087.5	V		
322842110012801	D-11-23 17BDC		4349	32° 28' 45.7'' / 110° 1' 26.7''			W	I		12/02/14	259.5	4089.5	V		
322748110004801	D-11-23 20DAA		4328	32° 27' 47.2'' / 110° 0' 48.3''			U	U		12/02/14			V	D	DRY @ 236.9
322810109595401	D-11-23 21AAA	608485	4341	32° 28' 14.6'' / 109° 59' 49.5''	500	500	W	S		12/12/14	149.5	4191.5	V		
322814109590301	D-11-23 22ABA	805021	4347	32° 28' 14.6'' / 109° 59' 4.7''	900	900	W	I		12/15/14			Z	Z	UTM - NO ACCESS
322753109591501	D-11-23 22ACC	608479	4335	32° 27' 48.9'' / 109° 59' 9.5''	690	690	W	I		12/15/14	280.6	4054.4	V		
322811109593101	D-11-23 22BBA	608482	4343	32° 28' 14.7'' / 109° 59' 28''	600	600	W	S		12/12/14	271.1	4071.9	V		
322749109584901	D-11-23 22DAB		4336	32° 27' 48.6'' / 109° 58' 48''			W	I		12/15/14			Z	Z	UTM - NO ACCESS
322746109583601	D-11-23 23CBB	628461	4337	32° 27' 48'' / 109° 58' 37''	600	600	W	Z		12/15/14	280.4	4056.6	V		
322815109563801	D-11-23 24AAA	611297	4375	32° 28' 14.3'' / 109° 56' 37.5''			W	I		12/17/14	325.2	4049.8	V		
322802109573401	D-11-23 24BBC	611275	4352	32° 28' 2.2'' / 109° 57' 33.5''			W	I		12/17/14	295.0	4057.0	V		
322620109564101	D-11-23 25AAA	603507	4346	32° 27' 22.7'' / 109° 56' 42''	1000	1000	W	I		12/15/14	292.4	4053.6	V		
322722109565601	D-11-23 25ABA		4338	32° 27' 22.6'' / 109° 56' 55.1''			W	I		12/15/14	285.4	4052.6	V		
322656109570901	D-11-23 25CAA		4316	32° 26' 56.9'' / 109° 57' 8.6''			U	U		12/15/14	269.9	4046.1	V		
322654109564201	D-11-23 25DAA	610878	4321	32° 26' 56.8'' / 109° 56' 42.7''	800	800	W	I		12/15/14			V	O	UTM - OBS @ MP
322719109581401	D-11-23 26ABB	623693	4323	32° 27' 22.3'' / 109° 58' 7.5''	550	550	W	I		12/15/14	273.5	4049.5	V		
322656109583701	D-11-23 26CBB		4312	32° 26' 56'' / 109° 58' 37''			W	I		12/15/14	265.0	4047.0	V		
322722109585401	D-11-23 27AAB		4322	32° 27' 22.5'' / 109° 58' 53.4''			U	U		12/15/14	271.0	4051.0	V		
322721109594101	D-11-23 27BBA	608483	4322	32° 27' 22.3'' / 109° 59' 30''	600	600	W	I		12/15/14	266.6	4055.4	V		
322621109590001	D-11-23 34ABD		4307	32° 26' 4.7'' / 109° 58' 56.7''			W	I		12/16/14	255.0	4052.0	V		
322627109582201	D-11-23 35BAB	609718	4305	32° 26' 30'' / 109° 58' 20''			U	U		12/16/14			Z	Z	UTM - NO ACCESS
322630109572801	D-11-23 36BBA	805589	4302	32° 26' 30.5'' / 109° 57' 28''			W	I		12/16/14	255.4	4046.6	V		
322947109563001	D-11-24 07BBD		4445	32° 29' 48.6'' / 109° 56' 31.2''			W	S		12/16/14			Z	Z	UTM - NO ACCESS
322931109561201	D-11-24 07CAA	605413	4443	32° 29' 33'' / 109° 56' 8.8''	606	606	W	I		12/16/14	396.2	4046.8	V		
322931109554201	D-11-24 07DAA	605412	4471	32° 29' 33.4'' / 109° 55' 41.3''	1060	1060	W	I	Annually	12/16/14			Z	Z	UTM - NO ACCESS
322904109544001	D-11-24 17AAA	622903	4495	32° 29' 7.2'' / 109° 54' 37.8''	700	700	U	U		12/16/14	450.4	4044.6	V		
322840109543901	D-11-24 17DAA	622902	4472	32° 28' 41'' / 109° 54' 38.3''	700	700	W	I	Annually	12/16/14			Z	Z	UTM - NO ACCESS
322904109553901	D-11-24 18AAA	605414	4445	32° 29' 7.5'' / 109° 55' 40''	603	603	W	I		12/16/14	399.0	4046.0	V		
322904109561201	D-11-24 18BAA	605410	4426	32° 29' 7.1'' / 109° 56' 10.5''	756	756	W	I		12/16/14			V	O	UTM - OBS @ 320 FEET
322840109555101	D-11-24 18DAB	617635	4409	32° 28' 41.1'' / 109° 55' 52.8''	700	700	W	I		12/16/14			Z	Z	UTM - NO ACCESS
322810109554201	D-11-24 19AAA	621565	4405	32° 28' 14.4'' / 109° 55' 44.6''	601	601	U	U		12/17/14	362.1	4042.9	V		
322746109554101	D-11-24 19DAD	617636	4384	32° 27' 38.9'' / 109° 55' 38.3''	800	800	W	I		12/16/14	339.8	4044.2	V		
322813109550901	D-11-24 20ABB	622957	4429	32° 28' 14.5'' / 109° 55' 6.9''	700	700	W	I		12/16/14	393.6	4035.4	V		
322748109551301	D-11-24 20CAA	622958	4408	32° 27' 49.1'' / 109° 55' 13.7''	700	700	W	I		12/16/14			V	O	UTM - OBS @ MP
322719109543901	D-11-24 29AAA	612295	4416	32° 27' 22.7'' / 109° 54' 37.8''	600	600	W	I		12/16/14	387.6	4028.4	V		
322719109551001	D-11-24 29BAA	612294	4389	32° 27' 22.7'' / 109° 55' 8.9''	708	708	W	I		12/16/14	357.8	4031.2	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322654109551101	D-11-24 29CAA	617636	4376	32° 26' 56.8'' / 109° 55' 8.8''	1000	1000	W	S		12/16/14	336.8	4039.2	V		
322654109545501	D-11-24 29DAB	612292	4391	32° 26' 56.2'' / 109° 54' 45.6''	750	750	W	I		12/17/14	359.4	4031.6	V		
322718109554101	D-11-24 30AAA	604191	4369	32° 27' 22.3'' / 109° 55' 43.2''	1300	1300	U	U	Annually	12/17/14	328.1	4040.9	V		
322722109562301	D-11-24 30BAB	605874	4346	32° 27' 22.3'' / 109° 56' 23.3''			W	I		12/17/14	298.5	4047.5	V		
322654109554101	D-11-24 30DAA	610394	4353	32° 26' 56'' / 109° 55' 40.7''	800	800	W	I		12/17/14			Z	Z	UTM - NO ACCESS
322627109554101	D-11-24 31AAA	606430	4330	32° 26' 30'' / 109° 55' 44''	800	800	U	U		12/17/14	285.2	4044.8	V		
322627109560401	D-11-24 31ABB	606431	4320	32° 26' 29.9'' / 109° 56' 8.3''	795	795	W	I		12/17/14			V	O	UTM - OBS @ MP
322600109560201	D-11-24 31CAA	606434	4298	32° 26' 4'' / 109° 56' 13''	800	800	W	I		12/17/14	256.4	4041.6	V		
322627109551101	D-11-24 32BAA	603074	4353	32° 26' 30.6'' / 109° 55' 8.4''	1000	1000	W	I		12/17/14	309.7	4043.3	V		
322601109551101	D-11-24 32CAA	612293	4330	32° 26' 4.1'' / 109° 55' 8.7''	1113	1113	U	U		12/17/14	294.0	4036.0	V		
322717109475501	D-11-25 28ABB	615811	4915	32° 27' 18'' / 109° 47' 52''	150	150	W	S		01/07/15			Z	Z	UTM - NO ACCESS
322713109485501	D-11-25 29ABB	615812	4885	32° 27' 22'' / 109° 48' 54''	508	508	W	S		01/07/15			Z	Z	UTM - NO ACCESS
322555109460001	D-11-25 35CAD	618814	4915	32° 25' 55.8'' / 109° 45' 59.4''	475	475	W	S		01/07/15	339.5	4575.5	V		
322622109444701	D-11-25 36ABC	615815	5044	32° 26' 21.6'' / 109° 44' 45.2''	500	500	W	S		01/07/15			V	O	UTM - OBS@35.2
322512109571301	D-12-23 01BDC	223585	4288	32° 25' 12.1'' / 109° 57' 13.1''	500	500	W	H		01/05/15	242.5	4045.5	V		
322514109570301	D-12-23 01CAA	216944	4287	32° 25' 13.6'' / 109° 57' 2.7''	500	500	U	H		01/05/15	243.9	4043.1	V		
322449109571701	D-12-23 01CDC	641007	4281	32° 24' 49'' / 109° 57' 17''	300	300	W	H		12/10/14	242.6	4038.4	V		
322448109572401	D-12-23 01CDD	809350	4280	32° 24' 47.5'' / 109° 57' 24.1''	300	300	W	H		01/05/15	245.9	4034.1	V		
322527109582801	D-12-23 02BBD	609031	4299	32° 25' 27'' / 109° 58' 28''	606	606	W	I		12/10/14			Z	Z	UTM - NO ACCESS
322538109591001	D-12-23 03ABB	800526	4294	32° 25' 38.1'' / 109° 59' 11.2''	800	800	W	I		12/10/14	245.4	4048.6	V		
322515109591001	D-12-23 03ACC	800527	4291	32° 25' 15'' / 109° 59' 10''	800	800	W	I		12/10/14			Z	Z	UTM - NO ACCESS
322449110011801	D-12-23 05DCC	611033	4389	32° 24' 47.1'' / 110° 1' 16.4''	1100	1100	U	U		01/06/15			Z	Z	UTM - NO ACCESS
322445110001301	D-12-23 09ABB	611044	4330	32° 24' 45.3'' / 110° 0' 10.6''	603	603	U	U		01/06/15			Z	Z	UMT- NO ACCESS NO MP
322430110001001	D-12-23 09ABC	611043	4326	32° 24' 33'' / 110° 0' 10.6''	1170	1170	W	I		01/06/15	252.7	4073.3	V		
322408110001001	D-12-23 09ACC		4319	32° 24' 8'' / 110° 0' 10''			U	U		01/06/15			Z	Z	UTM - NO ACCESS
322442110004101	D-12-23 09BBB	611035	4358	32° 24' 44'' / 110° 0' 43''	1000	1000	U	U		01/06/15			Z	Z	UMT - NO ACCESS
322415110004001	D-12-23 09BCC	611034	4351	32° 24' 21.1'' / 110° 0' 45.6''	1070	1010	U	U		01/06/15			Z	Z	UMT - NO ACCESS
322408110001101	D-12-23 09DBC	611042	4318	32° 24' 8.1'' / 110° 0' 11.1''	1196	1196	W	I		01/06/15	244.2	4073.8	V		
322440109581301	D-12-23 11ABB		4281	32° 24' 46'' / 109° 58' 2''	250	250	W	H		12/10/14	243.6	4037.4	V		
322441109581201	D-12-23 11BAA		4283	32° 24' 46.3'' / 109° 58' 16.4''	500	500	W	I		12/10/14	238.8	4044.2	V		
322441109583601	D-12-23 11BBB		4285	32° 24' 45.7'' / 109° 58' 37.6''	303	303	U	U		12/10/14	224.8	4060.2	V		
322417109583601	D-12-23 11CBB	800529	4285	32° 24' 18'' / 109° 58' 38''	400	400	W	I		12/10/14	234.8	4050.2	V		
322406109583701	D-12-23 11CCB	800530	4281	32° 24' 6'' / 109° 58' 37''	1000	1000	W	I		12/10/14			V	O	UTM - OBS @ 43'
322355109574301	D-12-23 11DDD	805688	4270	32° 23' 55'' / 109° 57' 43''	1000	1000	W	I		12/10/14			Z	Z	UTM - NO ACCESS
322418109571301	D-12-23 12CBA		4278	32° 24' 20.9'' / 109° 57' 24.4''	350	350	U	U		12/10/14			Z	Z	UTM - BEE'S
322418109573501	D-12-23 12CBB		4280	32° 24' 21'' / 109° 57' 36''			W	I		12/10/14	238.0	4042.0	V		
322407109573501	D-12-23 12CBC		4275	32° 24' 8.2'' / 109° 57' 36.3''	655	655	W	H		12/10/14	239.2	4035.8	V		
322415109565401	D-12-23 12DBA1		4275	32° 24' 20.1'' / 109° 56' 58.1''	269	269	U	U	Annually	12/10/14	232.5	4042.5	V		
322418109565701	D-12-23 12DBA2		4275	32° 24' 18'' / 109° 56' 57''			U	U		12/10/14			Z	Z	UTM - BEE'S
322344109570301	D-12-23 13BAD	606301	4270	32° 23' 41.8'' / 109° 57' 9.2''	700	700	W	I		12/10/14	231.8	4038.2	V		
322348109572501	D-12-23 13BBA	606302	4272	32° 23' 54'' / 109° 57' 22''	172	172	W	I		12/10/14			Z	Z	UTM - NO ACCESS
322325109565301	D-12-23 13DBA		4264	32° 23' 28'' / 109° 56' 54''	265	265	U	U		12/10/14	229.9	4034.1	V		
322349109580601	D-12-23 14ABB		4269	32° 23' 53.8'' / 109° 58' 6.9''	285	285	U	U	Annually	12/10/14	222.3	4046.7	V		
322338109580601	D-12-23 14ABC	515771	4275	32° 23' 41.4'' / 109° 58' 7.6''	1053	1053	W	I		12/10/14			V	O	UTM - NO ACCESS
322323109583601	D-12-23 14CBB		4272	32° 23' 25.9'' / 109° 58' 39.7''	266	266	W	I		12/09/14	225.0	4047.0	V		
322315109580801	D-12-23 14DBC	800469	4264	32° 23' 15'' / 109° 58' 7.6''	1000	1000	W	I		12/09/14	224.6	4039.4	V		
322250110001001	D-12-23 21ABC	611037	4367	32° 22' 49'' / 110° 0' 11''	1000	1000	W	I		01/06/15	300.1	4066.9	V		
322235110001001	D-12-23 21ACC	611036	4376	32° 22' 35'' / 110° 0' 12''	700	700	U	U		01/06/15	309.8	4066.2	V		
322245110004001	D-12-23 21BBC	611032	4418	32° 22' 48.2'' / 110° 0' 45.4''	805	805	U	U		01/06/15			Z	Z	UTM - NO ACCESS
322250109575301	D-12-23 23AAC	800471	4261	32° 22' 49.5'' / 109° 57' 53''	1200	1200	W	I		12/09/14	220.8	4040.2	V		
322259109571001	D-12-23 24BAA		4262	32° 22' 59.9'' / 109° 57' 11.5''			W	I		12/09/14	222.0	4040.0	V		
322214109573401	D-12-23 24CCC		4257	32° 22' 13.6'' / 109° 57' 36.3''			W	I		12/01/14	205.4	4051.6	V		
322231109564001	D-12-23 24DAA		4255	32° 22' 36.3'' / 109° 56' 41.7''			U	U		12/09/14			V	D	DRY @ 187.2 FEET

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
322207109564801	D-12-23 25AAA		4248	32° 22' 9.7'' / 109° 56' 42.9''	455	455	W	I		12/01/14	208.9	4039.1	V		
322207109570201	D-12-23 25ABB2	611292	4248	32° 22' 9.5'' / 109° 57' 1.3''	350	350	W	I		12/01/14	198.6	4049.4	V		
322038110014801	D-12-23 31DAD	611050	4740	32° 20' 38'' / 110° 1' 47.7''	777	777	W	H		12/16/14	674.2	4065.8	V		
322001109564901	D-12-23 36DDC		4237	32° 20' 25.9'' / 109° 56' 50.5''			W	S		12/09/14	162.6	4074.4	V		
322503109513301	D-12-24 02DAD	615857	4445	32° 25' 4.3'' / 109° 51' 34.6''	420	420	W	S		01/07/15			Z	Z	UTM - NO ACCESS
322511109540601	D-12-24 04BDA	621290	4337	32° 25' 20'' / 109° 54' 3''	890	890	U	U		12/11/14	316.4	4020.6	V		
322510109540501	D-12-24 04CAA	605564	4334	32° 25' 11.9'' / 109° 54' 2.8''	790	790	W	I		12/11/14			Z	Z	UTM - NO ACCESS
322513109550401	D-12-24 05ACC	605566	4305	32° 25' 13.5'' / 109° 55' 5.9''	342	342	Z	U		12/11/14			Z	W	UTM - WELL DESTROYED
322508109543501	D-12-24 05DAA		4313	32° 25' 12.4'' / 109° 54' 36.3''	800	800	U	U		12/11/14	244.2	4068.8	V		
322447109553701	D-12-24 07AAA	500122	4281	32° 24' 46.5'' / 109° 55' 38.7''	1000	1000	W	I		12/10/14	233.4	4047.6	V		
322439109563501	D-12-24 07BBC		4273	32° 24' 39'' / 109° 56' 35''			U	U		12/10/14	234.5	4038.5	V		
322420109555001	D-12-24 07DAB		4269	32° 24' 20'' / 109° 55' 50''			W	I		12/10/14	226.0	4043.0	V		
322420109553101	D-12-24 08CBB	606939	4269	32° 24' 20.5'' / 109° 55' 33''			W	I		12/17/14	213.0	4056.0	V		
322419109543501	D-12-24 08DAA1	622854	4277	32° 24' 18.7'' / 109° 54' 33.6''	600	600	U	U		12/17/14			Z	Z	UTM - BEE'S
322419109543401	D-12-24 08DAA2	612831	4277	32° 24' 18.7'' / 109° 54' 35.2''	1200	1200	U	U		01/17/15		4076.2	Z	O	UTM - OBS @ 200.8 MUD ON PROBE
322350109505901	D-12-24 13ABB1	605439	4418	32° 23' 52.2'' / 109° 50' 58.8''	450	450	W	H		01/07/15			Z	Z	UTM - NO ACCESS
322352109505801	D-12-24 13ABB2	605440	4417	32° 23' 52'' / 109° 50' 58''	465	465	W	H		01/07/15			Z	Z	UTM - NO ACCESS
322335109553001	D-12-24 17CBB	619513	4260	32° 23' 27.7'' / 109° 55' 35.9''	148	148	U	U		12/17/14			Z	Z	UTM - BEE'S
322337109560201	D-12-24 18ACB		4261	32° 23' 35'' / 109° 56' 5.6''			W	I		12/17/14	224.0	4037.0	V		
322059109554901	D-12-24 19AAB2		4255	32° 23' 1.6'' / 109° 55' 50.7''	208	208	U	U		12/17/14			V	O	UMT - OBS @ 151.2 MUD ON PROBE
322059109555001	D-12-24 19AAB3		4254	32° 23' 1.7'' / 109° 55' 50.8''	498	498	W	I		12/17/14	218.4	4035.6	V		
322220109553201	D-12-24 20CBC	626855	4245	32° 22' 23.2'' / 109° 55' 34.2''	1400	1400	W	I		12/02/14	207.3	4037.7	V		
322204109523501	D-12-24 27AAA	611274	4275	32° 22' 9'' / 109° 52' 32.4''	1000	1000	W	I		12/02/14	266.5	4008.5	V	V	SOME OIL
322142109523201	D-12-24 27DAA	611272	4258	32° 21' 42'' / 109° 52' 32''			W	I		12/02/14	240.4	4017.6	V	V	SOME OIL
322144109533301	D-12-24 28ADD		4238	32° 21' 43.3'' / 109° 53' 33.3''			U	U		12/02/14	214.9	4023.1	V		
322204109550801	D-12-24 29ABB	619524	4240	32° 22' 9.5'' / 109° 55' 2.8''	700	700	W	I		12/02/14	197.7	4042.3	V		
322143109553201	D-12-24 29CBB3		4237	32° 21' 40.9'' / 109° 55' 27.5''			U	U		12/02/14	198.6	4038.4	V		
322142109561301	D-12-24 30CAB1		4241	32° 21' 43.4'' / 109° 56' 16.7''			U	U		12/02/14	191.2	4049.8	V		
322143109563601	D-12-24 30CBB	610721	4243	32° 21' 43.2'' / 109° 56' 36''	795	795	U	U		12/02/14	204.8	4038.2	V		
322112109560301	D-12-24 31ABB1	610716	4236	32° 21' 17.2'' / 109° 56' 5.8''	215	215	W	I		12/02/14	186.7	4049.3	V		
322112109562201	D-12-24 31BBA1	610719	4237	32° 21' 16.6'' / 109° 56' 23''	378	378	W	I		12/02/14	189.7	4047.3	V		
322113109550001	D-12-24 32ABB2		4230	32° 21' 11.3'' / 109° 55' 4.5''	450	450	W	I		12/02/14	184.6	4045.4	V		
322038109553501	D-12-24 32CCB		4227	32° 20' 38.2'' / 109° 55' 34.2''	700	700	W	I		12/02/14	177.4	4049.6	V		
322038109550301	D-12-24 32DCB		4224	32° 20' 38.2'' / 109° 55' 4.4''	250	250	U	U		12/02/14	175.6	4048.4	V		
322117109542401	D-12-24 33BBA	611072	4228	32° 21' 17.1'' / 109° 54' 23.9''	600	600	U	U		12/02/14	179.6	4048.4	V		
322051109543401	D-12-24 33CBB2		4226	32° 20' 51.1'' / 109° 54' 33.5''			W	I		12/02/14	176.7	4049.3	V		
322037109543401	D-12-24 33CCB		4223	32° 20' 37.7'' / 109° 54' 35.5''			U	U		12/02/14	177.4	4045.6	V		
322048109535901	D-12-24 33DBB	611067	4225	32° 20' 51.1'' / 109° 54' 2.8''	400	400	U	U		12/02/14	172.8	4052.2	V		
322040109530301	D-12-24 34CAD		4224	32° 20' 36.7'' / 109° 53' 2.1''			W	I		12/02/14	191.4	4032.6	V		
322048109523101	D-12-24 34DAA		4229	32° 20' 50.4'' / 109° 52' 32''	454	454	W	I		12/02/14	170.9	4058.1	V	K	
322526109473401	D-12-25 04AAD	641477	4754	32° 25' 26.6'' / 109° 47' 32.9''	352	352	W	U		01/07/15	294.6	4459.4	V		
322526109473301	D-12-25 04AAD2		4755	32° 25' 26.4'' / 109° 47' 32.9''			W	S		01/07/15	293.5	4461.5	V		
322439109455201	D-12-25 11ABB	615858	4759	32° 24' 41'' / 109° 45' 52.6''	300	300	W	U		01/07/15	176.4	4582.6	V		
322315109462201	D-12-25 14CBC	615859	4604	32° 23' 15'' / 109° 46' 22.3''	300	300	W	S		01/07/15	218.6	4385.4	V		
322020110010201	D-13-23 05ABA	615905	4630	32° 20' 20.6'' / 110° 1' 0.3''	700	700	W	S		12/16/14	571.6	4058.4	V		
322024109511801	D-13-24 01BBA		4233	32° 20' 24.1'' / 109° 51' 17.5''			W	P		12/17/14	200.8	4032.2	V		
322008109523401	D-13-24 03ADA		4219	32° 20' 11.8'' / 109° 52' 31.6''	266	266	W	I	Annually	12/10/14	148.0	4071.0	V		
322023109551301	D-13-24 05BAB2	611062	4224	32° 20' 22.6'' / 109° 55' 13.3''	1400	1400	W	I	none	12/10/14	172.8	4051.2	V		
322025109553501	D-13-24 05BBB1		4226	32° 20' 24.8'' / 109° 55' 34.6''	400	400	U	U		12/09/14	167.0	4059.0	V		
321941109553101	D-13-24 05CCB2	619477	4221	32° 19' 43.7'' / 109° 55' 34.2''	204	204	W	I	Annually	12/03/14	161.1	4059.9	V		
321925109560501	D-13-24 07ACB2	624433	4222	32° 19' 17.6'' / 109° 56' 5.5''	353	353	W	I		12/03/14	150.5	4071.5	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321933109545001	D-13-24 08ABA	631718	4217	32° 19' 32.7'' / 109° 54' 49.7''	350	350	W	I		12/10/14	159.3	4057.7	V		
321931109550301	D-13-24 08ABB	631719	4216	32° 19' 30.8'' / 109° 55' 3.3''	158	158	U	U		12/10/14	157.4	4058.6	V		
321933109535801	D-13-24 09ABB2		4216	32° 19' 32.6'' / 109° 53' 56.1''	250	250	U	U		12/10/14	155.8	4060.2	V		
321838109532801	D-13-24 15BBB		4208	32° 18' 40.6'' / 109° 53' 31.5''	395	395	U	U		12/03/14	132.7	4075.3	V		
321814109531401	D-13-24 15CAB		4204	32° 18' 14.3'' / 109° 53' 13.1''			U	U		12/03/14	114.4	4089.6	V		
321834109543001	D-13-24 16BBB	805474	4212	32° 18' 40.2'' / 109° 54' 33.1''	1356	1356	U	U	Annually	12/03/14	141.5	4070.5	V		
321827109553401	D-13-24 17BCB	625765	4213	32° 18' 27.4'' / 109° 55' 34.1''	500	500	W	I		12/03/14	136.7	4076.3	V		
321825109551701	D-13-24 17BDB	625766	4210	32° 18' 27.3'' / 109° 55' 16.2''	500	500	W	I		12/03/14	136.4	4073.6	V		
321810109553401	D-13-24 17CBB	625767	4212	32° 18' 14.7'' / 109° 55' 34''	500	500	W	I		12/03/14	132.0	4080.0	V		
321840109554301	D-13-24 18AAB	625764	4214	32° 18' 40.3'' / 109° 55' 43.6''	380	380	W	I		12/03/14	140.6	4073.4	V		
321800109560601	D-13-24 18DCB	624428	4213	32° 18' 0.5'' / 109° 56' 4.7''	475	475	U	U		12/03/14	148.5	4064.5	V		
321655109531201	D-13-24 27BAA		4194	32° 16' 55.9'' / 109° 53' 7.2''			W	I		12/03/14	81.4	4112.6	V		
321601109525801	D-13-24 34ABB		4187	32° 16' 3'' / 109° 52' 59.4''	138	138	U	U		12/03/14	68.1	4118.9	V		
321540109502901	D-13-24 36ADD	628919	4172	32° 15' 40'' / 109° 50' 29''	70	70	W	I		12/17/14	45.6	4126.4	V		
321928109444701	D-13-25 12ABB	609824	4430	32° 19' 29'' / 109° 44' 47.5''			W	S		12/10/14	55.9	4374.1	V		
321928109444701	D-13-25 12ABB	609824	4430	32° 19' 29'' / 109° 44' 47.5''			W	S		03/11/15			Z	Z	NO MP ACCESS TO MAKE MEASUREMENT.
321732109472401	D-13-25 21ADA	611246	4219	32° 17' 34.6'' / 109° 47' 26.3''	535	535	W	H		12/17/14	160.5	4058.5	V		
321720109472301	D-13-25 22CBB	608085	4208	32° 17' 22'' / 109° 47' 23.4''	275	275	U	U		12/17/14	104.5	4103.5	V		
321627109502101	D-13-25 30CBB2		4179	32° 16' 29.4'' / 109° 50' 25.6''			U	U		12/15/14	54.3	4124.7	V		
321537109500101	D-13-25 31CAA		4168	32° 15' 37'' / 109° 50' 1''	37.5	37.5	U	U		12/17/14			V	D	DRY AT 37.T FT
321419110034001	D-14-22 01CCC	615960	4739	32° 14' 19'' / 110° 3' 40''	355	355	U	U		12/02/14			V	O	OBST AT 3FT
321410110045701	D-14-22 10AAC	615959	4814	32° 14' 11.1'' / 110° 4' 56.8''	630	630	W	S		12/02/14	543.4	4270.6	V		
321336110032801	D-14-22 12CDC	615961	4650	32° 13' 36'' / 110° 3' 28''	250	250	W	S	Annually	12/02/14	101.1	4548.9	V		
321336110032801	D-14-22 12CDC	615961	4650	32° 13' 36'' / 110° 3' 28''	250	250	W	S	Annually	11/05/14	102.6	4547.4	V		
321222110032501	D-14-22 24BDB	805473	4659	32° 12' 27.2'' / 110° 3' 34.6''	525	525	W	S		12/02/14	461.4	4197.6	V		
321457109595501	D-14-23 04ADB	615964	4555	32° 14' 55.6'' / 109° 59' 55.4''			W	S		12/03/14	260.2	4294.8	V		
321412110002001	D-14-23 09BAC	588191	4550	32° 14' 12'' / 110° 0' 20.4''	605	605	W	H		06/10/15	442.0	4108.0	V		
320837110003801	D-14-23 09CBC	632518	4519	32° 13' 45.2'' / 110° 0' 41.3''	600	600	W	H		12/02/14	191.4	4327.6	V		
321330109594601	D-14-23 09DDD		4436	32° 13' 32.6'' / 109° 59' 45.7''			W	H		12/03/14	372.8	4063.2	V	R	
321415109585701	D-14-23 10AAB	514874	4438	32° 14' 16'' / 109° 58' 52''	401	401	W	H		12/03/14	360.2	4077.8	V		
321402109593801	D-14-23 10BCB	530366	4470	32° 14' 2.5'' / 109° 59' 38.1''	480	480	U	U		12/02/14			V	O	OBST AT 100 FT
321336109574701	D-14-23 11DDB	603234	4357	32° 13' 36.3'' / 109° 57' 47''	347	347	W	H		06/10/15	280.7	4076.3	V		
321415109564001	D-14-23 12AAA	504911	4309	32° 14' 14.7'' / 109° 56' 39.2''			W	H		12/03/14	242.7	4066.3	V		
321414109573001	D-14-23 12BBB2	608286	4357	32° 14' 15.5'' / 109° 57' 30.89''	325	325	W	I	Annually	12/02/14	293.9	4063.1	V		
321340109573001	D-14-23 12CBD	608287	4335	32° 13' 40.3'' / 109° 57' 22.8''	550	550	W	I		12/03/14	266.6	4068.4	V		
321340109565301	D-14-23 12DDB	608289	4308	32° 13' 39.5'' / 109° 56' 51.9''			U	U		12/03/14			V	O	OBST AT 213 FT
321314109573001	D-14-23 13BBD	502797	4314	32° 13' 14.3'' / 109° 57' 23''	477	477	W	I		12/03/14	240.8	4073.2	V		
321258109571501	D-14-23 13CAA		4291	32° 12' 59.8'' / 109° 57' 6.3''			W	I		12/03/14			V	O	OBST AT 188 FT
321232109564001	D-14-23 24AAA	610879	4249	32° 12' 33.7'' / 109° 56' 39''	415	415	W	H		12/03/14	165.8	4083.2	V		
321049109570801	D-14-23 36BAA2	651307	4205	32° 10' 49.5'' / 109° 57' 8.6''			W	S		12/10/14	89.5	4115.5	V		
321435109520401	D-14-24 02CAD	641936	4173	32° 14' 35.1'' / 109° 52' 0.3''	100	100	W	H		12/17/14	44.0	4129.0	V		
321420109522201	D-14-24 02CCD3	602567	4174	32° 14' 21.4'' / 109° 52' 20.1''	70	70	W	H		12/17/14	42.5	4131.5	V		
321439109532801	D-14-24 03CBB	648248	4182	32° 14' 39.1'' / 109° 53' 28.6''	60	60	W	P		12/16/14	52.6	4129.4	V		
321438109523201	D-14-24 03DAA3	619197	4176	32° 14' 39.4'' / 109° 52' 31.7''	80	80	W	H		12/16/14	47.2	4128.8	V		
321354109531801	D-14-24 10BCD	643055	4174	32° 13' 54.2'' / 109° 53' 16.9''	78	78	W	S		12/16/14	43.6	4130.4	V		
321350109524701	D-14-24 10DBA		4172	32° 13' 49.5'' / 109° 52' 47''			U	U		12/16/14	42.5	4129.5	V		
321353109522901	D-14-24 11CBB2		4172	32° 13' 52.6'' / 109° 52' 27.6''	96	96	W	P		12/16/14			Z	Z	UTM - NO ACCESS
321314109513101	D-14-24 11DAD		4165	32° 13' 44.1'' / 109° 51' 29.9''			W	P		12/17/14			Z	Z	UTM - OWNER DECLINES MSMT
321412109510101	D-14-24 12BAD		4165	32° 14' 10.9'' / 109° 51' 0.3''			W	H		12/17/14	33.4	4131.6	V		
321407109512601	D-14-24 12BBC		4168	32° 14' 7.4'' / 109° 51' 27.2''			U	U		01/08/15	35.5	4132.5	V		
321352109502901	D-14-24 12DAA		4160	32° 13' 52.2'' / 109° 50' 28.3''			U	U		01/08/15			V	O	OBST AT 6 FT

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
321350109504501	D-14-24 12DBA		4162	32° 13' 51.2'' / 109° 50' 45.2''			U	U		12/01/14			V	O	OBST AT 2 FT
321323109521701	D-14-24 14BBA2	635009	4170	32° 13' 25.2'' / 109° 52' 14.9''	70	70	W	H	Annually	12/11/14	36.5	4133.5	V		
321258109522401	D-14-24 14CBB		4165	32° 13' 0.5'' / 109° 52' 24.8''			W	S		12/16/14	31.0	4134.0	V		
321301109523101	D-14-24 15ADD		4165	32° 13' 0.7'' / 109° 52' 31.9''			W	S		12/16/14	30.8	4134.2	V		
321210109523501	D-14-24 22ADD		4156	32° 12' 11.3'' / 109° 52' 35.8''	56	56	W	S		12/16/14	24.1	4131.9	V		
321047109561201	D-14-24 31BAB		4178	32° 10' 48.8'' / 109° 56' 13.3''			W	S		12/10/14	58.3	4119.7	V		
321432109485301	D-14-25 05DCB		4160	32° 14' 31.2'' / 109° 48' 53.4''			W	H		01/08/15	21.4	4138.6	V		
321447109502501	D-14-25 06BCC2		4166	32° 14' 46.7'' / 109° 50' 23.6''			W	H		12/16/14	31.4	4134.6	V		
321440109500501	D-14-25 06CAA		4160	32° 14' 39.8'' / 109° 50' 5''			W	N		12/16/14	30.8	4129.2	V		
321410109492901	D-14-25 07AAD2		4160	32° 14' 10'' / 109° 49' 29.4''			U	U		12/18/14	21.8	4138.2	V		
321400109492701	D-14-25 07ADD		4160	32° 13' 59.1'' / 109° 49' 26.9''			U	U		12/18/14	20.3	4139.7	V		
321413109492701	D-14-25 08BBB		4158	32° 14' 12.9'' / 109° 49' 25.9''			U	U		12/18/14	20.9	4137.1	V		
321357109491901	D-14-25 08BCD		4161	32° 13' 55.5'' / 109° 49' 18''			U	U		12/18/14	184.8	3976.2	V		
321414109463201	D-14-25 10AAB		4185	32° 14' 18.9'' / 109° 46' 32.8''			W	H		12/17/14			Z	Z	UTM - NO ACCESS
321322109455301	D-14-25 11CAA	615968	4203	32° 13' 51.8'' / 109° 45' 52.7''	100	100	W	S		12/17/14	69.3	4133.7	V		
321221109471301	D-14-25 22BBD2	615973	4170	32° 12' 21'' / 109° 47' 13''			W	S		12/17/14	31.1	4138.9	V		
321220109442101	D-14-25 24ADA	609501	4220	32° 12' 16.7'' / 109° 44' 19.2''	650	650	U	U		12/10/14	235.2	3984.8	V		
321057109451301	D-14-25 25CCC	644456	4184	32° 10' 56.9'' / 109° 45' 12.4''	100	100	W	S		12/17/14	61.0	4123.0	V		
321053109450901	D-14-25 25CCD	644455	4184	32° 10' 53'' / 109° 45' 9''	100	100	W	H		12/17/14			O	Z	UTM - NO ACCESS
321406109435001	D-14-26 07BAD4	532945	4255	32° 14' 8.2'' / 109° 43' 50''	341	341	W	H		12/10/14	245.1	4009.9	V		
321303109435201	D-14-26 18CAA1		4245	32° 12' 59.9'' / 109° 43' 48.3''	500	500	W	I	Annually	12/10/14	271.0	3974.0	V		
321148109431101	D-14-26 20CCB	609832	4275	32° 11' 49.1'' / 109° 43' 15.1''	500	500	W	S		12/10/14	242.7	4032.3	V		
320635109585301	D-15-23 22DDC1	616022	4427	32° 6' 35.2'' / 109° 58' 52.2''	350	350	W	S		12/01/14			V	O	OBS @ 300'
320634109585301	D-15-23 22DDC2		4428	32° 6' 34.5'' / 109° 58' 52.7''			W	S		12/01/14	320.6	4107.4	V		
320632109570301	D-15-23 24DCC		4331	32° 6' 34'' / 109° 57' 4''			W	S		12/01/14			Z	Z	UTM - NO ACCESS
320612109573801	D-15-23 25BCB		4360	32° 6' 11.1'' / 109° 57' 38''			W	H		12/01/14	285.3	4074.7	V		
320936109562401	D-15-24 06BCD	805442	4190	32° 9' 32.7'' / 109° 56' 20.6''	150	150	W	S		12/10/14	85.1	4104.9	V		
320830109550901	D-15-24 08CDA	629684	4171	32° 8' 22.2'' / 109° 55' 6.4''	160	160	W	S	Annually	12/10/14	74.9	4096.1	V		
320808109550901	D-15-24 17BAA	629681	4180	32° 8' 8.2'' / 109° 55' 8.8''	150	150	W	H		12/10/14	87.5	4092.5	V		
320750109550701	D-15-24 17BDD	629683	4185	32° 7' 48.5'' / 109° 55' 7.2''	730	730	W	S		12/10/14	111.6	4073.4	V		
320717109561001	D-15-24 19BAA	629685	4253	32° 7' 21'' / 109° 56' 9''			W	S		12/01/14			Z	Z	UTM - NO ACCESS
320711109551501	D-15-24 20BAC		4215	32° 7' 11'' / 109° 55' 15''			*	*		12/01/14			Z	Z	UTM - NO ACCESS
320707109550701	D-15-24 20BDA	633321	4205	32° 7' 7'' / 109° 55' 7''	192	192	W	I		12/01/14	136.7	4068.3	S		
320630109550701	D-15-24 20CDD2	646427	4212	32° 6' 29.4'' / 109° 55' 3.9''	143	143	W	H		12/01/14			V	Z	UTM - LOCKED PUMPHOUSE
320618109553101	D-15-24 29BBC		4242	32° 6' 16.8'' / 109° 55' 31.5''			U	U		12/01/14			Z	Z	UTM - NO ACCESS CAPPED
320615109552101	D-15-24 29BCA		4231	32° 6' 15.3'' / 109° 55' 20''			U	U		12/01/14			Z	Z	UTM - NO ACCESS CAPPED
320614109553301	D-15-24 29BCB		4244	32° 6' 15.7'' / 109° 55' 33.9''	300	300	U	U		12/01/14			Z	Z	UTM - NO ACCESS CAPPED
320522109554501	D-15-24 31ADB		4260	32° 5' 22'' / 109° 55' 45''			W	I		12/01/14			Z	Z	UTM - NO ACCESS CAPPED
320530109561001	D-15-24 31BAD		4290	32° 5' 29.5'' / 109° 56' 10.5''			W	I		12/01/14	288.6	4001.4	V		
320445109553401	D-15-24 32CCC	626257	4254	32° 4' 45.9'' / 109° 55' 33.8''	846	846	W	I		12/01/14			Z	Z	UTM - NO MP ACCESS
320934109452301	D-15-25 02ADD	608129	4169	32° 9' 33.9'' / 109° 45' 22.3''	102	102	W	S		12/18/14	42.9	4126.1	V		
320842109452101	D-15-25 11DAD	628226	4173	32° 8' 29.6'' / 109° 45' 21.8''	850	850	W	S		12/18/14	242.8	3930.2	V		
320723109450701	D-15-25 13CCD	612108	4197	32° 7' 23.6'' / 109° 45' 5.8''	150	150	W	I		12/03/14			V	O	NO ACCESS, OBSTRUCTION AT 75 FT.
320728109442201	D-15-25 13DDD	612103	4214	32° 7' 23.7'' / 109° 44' 20.7''	510	510	U	U		12/01/14	254.0	3960.0	V		
320758109452301	D-15-25 14ADA	608823	4186	32° 8' 0.3'' / 109° 45' 25.6''	120	120	W	H		12/18/14	63.2	4122.8	V		
320755109452201	D-15-25 14ADD	608824	4188	32° 7' 53.6'' / 109° 45' 21.7''	121	121	U	U		12/18/14	65.4	4122.6	V		
320758109462201	D-15-25 14BCB	613677	4163	32° 7' 57.6'' / 109° 46' 21.4''			U	U		12/18/14	40.8	4122.2	V		
320726109461101	D-15-25 14CCD1		4180	32° 7' 26'' / 109° 46' 11''			Z	U		12/03/14		4113.9	V	O	OBSTRUCTION AT 75FT
320725109461301	D-15-25 14CCD2	611202	4177	32° 7' 25'' / 109° 46' 13''			W	S		12/03/14	63.8	4113.2	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320724109461201	D-15-25 14CCD3	611203	4177	32° 7' 24'' / 109° 46' 12''	90	90	W	H		12/03/14			Z	Z	UTM - LAND OWNER ASKED NOT TO REMOVE WEATHER COVERING OVER WELL.
320724109456001	D-15-25 14CDC		4182	32° 7' 24.3'' / 109° 45' 59.8''			W	I		12/03/14	80.9	4101.1	V		
320724109455101	D-15-25 14CDD		4184	32° 7' 24.3'' / 109° 45' 50.9''			W	S		12/03/14	66.1	4117.9	V		
320735109462801	D-15-25 15DDA2		4165	32° 7' 35'' / 109° 46' 28''			W	S		12/18/14			V	D	DRY AT 32 FT
320706109462501	D-15-25 22ADA	603002	4176	32° 7' 6'' / 109° 46' 25''	80	80	W	H		12/10/14	66.7	4109.3	V		
320658109462301	D-15-25 22ADD		4180	32° 6' 58'' / 109° 46' 23''	400	400	W	I		12/10/14	86.3	4093.7	V		
320632109462401	D-15-25 22DDD		4184	32° 6' 32'' / 109° 46' 24''			W	S		12/10/14	61.5	4122.5	V		
320722109461601	D-15-25 23BBB		4177	32° 7' 22'' / 109° 46' 16''			W	S		12/10/14	78.2	4098.8	V		
320706109460301	D-15-25 23BBD		4181	32° 7' 10'' / 109° 46' 8''	700	700	W	I		12/10/14	127.4	4053.6	V	K	
320633109452501	D-15-25 23DDD	624211	4204	32° 6' 33'' / 109° 45' 25''	250	250	W	H		12/10/14			Z	Z	UTM - BEES IN WELL AT TIME OF MSNT.
320658109442102	D-15-25 24ADD1		4218	32° 6' 57.7'' / 109° 44' 19.8''	102	102	U	U		12/01/14	68.6	4149.4	V		
320658109442101	D-15-25 24ADD2		4218	32° 6' 58.2'' / 109° 44' 19.9''			U	U		12/01/14	291.6	3926.4	V		
320614109442401	D-15-25 25AAD	604416	4220	32° 6' 17.6'' / 109° 44' 20.4''	515	515	W	I	Annually	12/02/14	336.7	3883.3	V		
320618109451901	D-15-25 25BBC	604418	4203	32° 6' 18'' / 109° 45' 19''			W	I		12/10/14	85.5	4117.5	V		
320542109443901	D-15-25 25CDD1		4220	32° 5' 43'' / 109° 44' 51.2''	566	566	W	I	Annually	12/02/14	323.3	3896.7	V		
320542109442401	D-15-25 25DDD1		4230	32° 5' 39'' / 109° 44' 21''	472	472	W	H		12/02/14	340.6	3889.4	V		
320541109442101	D-15-25 25DDD2	604414	4231	32° 5' 41.8'' / 109° 44' 20.4''	137	137	W	I		12/02/14	110.7	4120.3	V		
320605109453401	D-15-25 26ADC	631730	4202	32° 6' 5'' / 109° 45' 34''	135	135	W	I		12/10/14	77.1	4124.9	V		
320608109452501	D-15-25 26ADD1		4207	32° 6' 5'' / 109° 45' 22''	503	503	W	I		12/10/14			Z	Z	UTM - CAPPED AT TIME OF VISIT.
320605109452401	D-15-25 26ADD2		4205	32° 6' 5'' / 109° 45' 24''			W	I		12/10/14			Z	Z	UTM - DUG OUT AROUND ACCESS.
320605109460401	D-15-25 26BDC	631729	4194	32° 6' 5'' / 109° 46' 4''	121	121	W	I		12/10/14			Z	P	UTM - PUMPING AT TIME OF VISIT
320607109455201	D-15-25 26BDD		4197	32° 6' 7'' / 109° 45' 52''			W	I		12/10/14	306.0	3891.0	V	P	
320544109452401	D-15-25 26DDD1		4208	32° 5' 40'' / 109° 45' 28''	455	455	W	H		12/10/14	82.5	4125.5	V		
320543109452301	D-15-25 26DDD2		4208	32° 5' 43'' / 109° 45' 23''			W	I		12/10/14			Z	P	PUMPING AT TIME OF VISIT. DID NOT OBTAIN MEASUREMENT ON THIS DATE.
320608109462801	D-15-25 27ADD2		4188	32° 6' 5'' / 109° 46' 24''	1300	1300	W	I		12/10/14			Z	Z	UTM - NO MP ACCESS AT TIME OF VISIT.
320539109462401	D-15-25 27DDD	604422	4193	32° 5' 39'' / 109° 46' 24''	500	500	U	U		12/10/14	167.5	4025.5	V		
320623109473201	D-15-25 28AAD	616025	4164	32° 6' 23'' / 109° 47' 29''			W	S		01/08/15			S	D	DRY AT TIME OF MEASUREMENT.
320550109472501	D-15-25 28DAD		4178	32° 5' 50'' / 109° 47' 25''	600	600	U	U		01/08/15	131.0	4047.0	V		
320622109482801	D-15-25 29AAD		4151	32° 6' 22'' / 109° 48' 28''			U	U		01/08/15			Z	Z	UTM - LOCKED GATES SURROUNDING PRPERTY, NO ACCESS TO WELL.
320539109485301	D-15-25 32ABB	649317	4154	32° 5' 39'' / 109° 48' 53''			W	S		01/08/15			Z	Z	UTM - LOCKED GATES SURROUNDING PROPERTY, NO ACCESS.
320513109472501	D-15-25 33ADD		4179	32° 5' 13.4'' / 109° 47' 25.6''			W	I		12/16/14	275.1	3903.9	V		
320512109465501	D-15-25 34BDD1		4190	32° 5' 12'' / 109° 46' 55''			U	U		12/16/14			Z	Z	UTM, NO MP AT TIME OF VISIT.
320513109465401	D-15-25 34BDD2		4190	32° 5' 13'' / 109° 46' 54''	1100	1100	W	I		12/16/14			Z	Z	UTM - NO ACCESS AT MP.
320503109471201	D-15-25 34CBD		4185	32° 5' 4'' / 109° 47' 12''	570	570	W	I		01/08/15			V	P	
320447109462401	D-15-25 34DDD	604426	4198	32° 4' 46.8'' / 109° 46' 23.3''	600	600	W	I		12/16/14	295.2	3902.8	V	K	

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320514109452201	D-15-25 35ADD2	502137	4213	32° 5' 14'' / 109° 45' 22''	167	167	W	I		12/16/14			Z	Z	UTM - COULD NOT GET PROBE DOWN MP AT TIME OF VISIT.
320517109452501	D-15-25 35ADD3	620348	4213	32° 5' 17'' / 109° 45' 25''		200	U	U		01/08/15			Z	Z	UTM - NO ACCESS HOLE/MP ANYMORE.
320516109445401	D-15-25 36BDD	616028	4226	32° 5' 12.2'' / 109° 44' 52''	701	701	W	I		12/10/14	343.6	3882.4	V		
320451109442201	D-15-25 36DDD	616034	4244	32° 4' 50.9'' / 109° 44' 20.6''	650	650	U	U		12/10/14	358.7	3885.3	V		
320716109432101	D-15-26 19AAD		4252	32° 7' 15.5'' / 109° 43' 20.2''			W	I		12/02/14	342.7	3909.3	V		
320720109435101	D-15-26 19BAA	612119	4227	32° 7' 19.3'' / 109° 43' 50.4''	240	240	W	H		12/02/14			V	D	DRY AT 917
320634109435101	D-15-26 19CDD	612093	4229	32° 6' 31.7'' / 109° 43' 50.8''	918	918	W	I		12/02/14	329.8	3899.2	V		
320633109423801	D-15-26 20DCC		4280	32° 6' 32'' / 109° 42' 40.8''			U	U		12/02/14	346.9	3933.1	V		
320630109411801	D-15-26 28AAA	609039	4360	32° 6' 29.8'' / 109° 41' 18''	650	650	W	H		12/02/14	351.6	4008.4	V		
320628109414801	D-15-26 28BAA	612114	4332	32° 6' 28.3'' / 109° 41' 47.1''	752	752	U	U		12/02/14			V	O	OBSRUCTED AT 352.0
320618109422001	D-15-26 29AAD	621303	4303	32° 6' 23.2'' / 109° 42' 18.5''	538	538	W	H		12/02/14	383.8	3919.2	V		
320602109423601	D-15-26 29ACD	621306	4279	32° 6' 5'' / 109° 42' 38.1''	500	500	U	U		12/10/14	380.6	3898.4	V		
320606109421901	D-15-26 29ADD	621304	4298	32° 6' 6.8'' / 109° 42' 18.1''	620	620	U	U		12/10/14	388.4	3909.6	V		
320554109431801	D-15-26 29CCB	621308	4252	32° 5' 52.5'' / 109° 43' 18.9''	752	752	W	I		12/10/14	365.3	3886.7	V		
320557109421901	D-15-26 29DAD	621305	4294	32° 5' 57.3'' / 109° 42' 18.3''	620	620	W	I		12/10/14	388.1	3905.9	V		
320451109432401	D-15-26 31DDD	616042	4268	32° 4' 46.9'' / 109° 43' 19.4''	900	900	U	U		12/10/14			V	D	DRY AT 373.6
320458109431801	D-15-26 32CCB	617498	4268	32° 4' 55.8'' / 109° 43' 19.1''	400	400	U	U		12/10/14	382.9	3885.1	V		
320648109311201	D-15-28 19DAC		4853	32° 6' 48'' / 109° 31' 12''			*	*		12/02/14	492.3	4360.7	V		
320630109273801	D-15-28 23CDC	626249	4959	32° 6' 28.6'' / 109° 27' 34''	625	625	W	S		12/10/14			V	O	UTM - OBSTRUCTED @ 360 FT.
320608109264001	D-15-28 25BDC	626248	5085	32° 6' 6.3'' / 109° 26' 38.6''	150	150	W	S		12/10/14	122.7	4962.3	S		
320603109285201	D-15-28 27CBB	626243	4860	32° 6' 4.5'' / 109° 28' 51.6''	500	500	W	S		12/10/14	433.4	4426.6	V		NOT USED IN 4 YEARS
320553109235701	D-15-29 29DAD	626245	5530	32° 5' 52.8'' / 109° 23' 54.1''	150	150	W	S		12/11/14			Z	Z	UTM - ROAD WASHED OUT, UNABLE TO GET TO WELL SITE.
320613109252501	D-15-29 30BDA1	626247	5310	32° 6' 13.2'' / 109° 25' 24.7''	45	45	W	S		12/10/14			Z	Z	UTM - BURIED IN MUD
320555109253801	D-15-29 30CAC	626246	5240	32° 5' 55.2'' / 109° 25' 36.2''	200	200	U	U		12/10/14	121.3	5118.7	V		
320325110023701	D-16-22 12DAA	643402	4706	32° 3' 25.5'' / 110° 2' 36.4''			W	S		12/12/14	331.2	4374.8	V		
320351109565301	D-16-23 12AAB	604576	4334	32° 3' 50.7'' / 109° 56' 52.1''	500	500	U	U		12/17/14	343.0	3991.0	V		
320346109570801	D-16-23 12ABC	504282	4351	32° 3' 46.5'' / 109° 57' 9.1''	500	500	W	I		12/17/14	344.3	4006.7	V		
320337109570801	D-16-23 12ACB	610747	4350	32° 3' 37.6'' / 109° 57' 7''	387	387	W	I		12/17/14			V	O	POSSIBLE COLLAPSE @ 326'
320320109571001	D-16-23 12CAD	86063	4367	32° 3' 19.5'' / 109° 57' 18.8''	500	500	W	I		12/17/14	368.4	3998.6	V		
320150110021101	D-16-23 18DDD	628132	4595	32° 1' 50'' / 110° 2' 11''	700	700	W	P		12/12/14			Z	Z	UTM - NO ACCESS
320155110021601	D-16-23 19ACB	631739	4620	32° 1' 55'' / 110° 2' 16''	760	760	W	P		12/12/14			Z	P	UTM - PUMPING
320204109582501	D-16-23 23BAB	505586	4471	32° 2' 4.3'' / 109° 58' 27.6''	515	515	W	H		12/09/14	444.0	4027.0	V		
320158109571401	D-16-23 24BAD	605081	4401	32° 1' 58'' / 109° 57' 14''	500	500	W	S		12/10/14			Z	Z	UTM - NO ACCESS
320422109564001	D-16-24 06ACC		4302	32° 4' 20.2'' / 109° 56' 25.4''			W	I		12/17/14			Z	Z	UTM - NO ACCESS
320356109563601	D-16-24 06CDA		4315	32° 4' 0'' / 109° 56' 35''			U	U		12/17/14	337.6	3977.4	V		
320354109561601	D-16-24 06DCD		4314	32° 3' 54.3'' / 109° 56' 15.9''	551	551	W	I		12/17/14			Z	Z	UTM - NO ACCESS
320334109563501	D-16-24 07BDC		4323	32° 3' 34.2'' / 109° 56' 34.1''			U	U		12/17/14			Z	M	UTM - NO ACCESS
320304109563801	D-16-24 07DCC	629051	4341	32° 3' 4'' / 109° 56' 25''	500	500	W	I		12/10/14			Z	Z	UTM - NO ACCESS
320328109544901	D-16-24 09CBB		4261	32° 3' 28.1'' / 109° 54' 49''	465	465	U	U	Annually	12/10/14	299.2	3961.9	V		
320210109523601	D-16-24 14CCD		4174	32° 2' 10.1'' / 109° 52' 35.2''			W	S		12/09/14	77.9	4096.1	V		
320237109470301	D-16-24 15ACB	611994	4190	32° 2' 46'' / 109° 53' 21''	715	715	U	U		12/10/14			Z	P	UTM - WELL PUMPING
320237109533701	D-16-24 15BDB	611995	4204	32° 2' 43.5'' / 109° 53' 36.7''	1000	1000	W	S		12/10/14			Z	Z	UTM - NO ACCESS/CAPPED
320235109531201	D-16-24 15DBA		4188	32° 2' 35.2'' / 109° 53' 12.4''			U	U		12/10/14			Z	Z	UTM - NO ACCES/CAPPED
320259109552401	D-16-24 17ABB	605376	4296	32° 2' 59'' / 109° 55' 24''	500	500	U	U		12/10/14			Z	Z	UTM - NO ACCESS
320238109555401	D-16-24 17BCC		4326	32° 2' 37.8'' / 109° 55' 54.1''			U	U		12/10/14			Z	Z	UTM - NO ACCESS
320131109555701	D-16-24 19DAD		4335	32° 1' 32.5'' / 109° 56' 0''	702	702	U	U		12/10/14			V	O	OBS @ 100'
320159109552901	D-16-24 20BAD		4295	32° 1' 59.9'' / 109° 55' 28.2''			U	U		12/10/14	311.3	3983.7	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320207109554501	D-16-24 20BBA	610247	4311	32° 2' 8'' / 109° 55' 44.5''	355	355	W	I		12/10/14	323.9	3987.1	V		
320142109540301	D-16-24 21ADC3		4232	32° 1' 43.5'' / 109° 54' 4.2''			W	I		12/09/14	175.9	4056.1	V		
320203109542301	D-16-24 21BAA	609562	4240	32° 2' 4.1'' / 109° 54' 23.7''	700	700	W	H		12/09/14			Z	Z	UTM - NO MP ACCESS
320141109545001	D-16-24 21BCC	609561	4269	32° 1' 43.5'' / 109° 54' 52.9''	771	771	W	I		12/09/14			Z	M	UTM - MP PLUGGED
320119109545001	D-16-24 21CCC	606236	4273	32° 1' 17.3'' / 109° 54' 53.1''	884	884	W	I	Annually	12/09/14	258.4	4014.6	V		
320117109542301	D-16-24 21DCC	800592	4253	32° 1' 17.3'' / 109° 54' 23.1''	850	850	U	U		12/09/14	233.7	4019.3	V		
320147109520801	D-16-24 23ACD	627945	4163	32° 1' 47'' / 109° 52' 8''	73	73	W	S		01/07/15	62.0	4101.0	V		
320104109513701	D-16-24 25BBD	610826	4175	32° 1' 4'' / 109° 51' 37''	150	150	W	I		01/07/15			Z	Z	UTM - LOCKED GATES
320051109513301	D-16-24 25BDC		4179	32° 0' 51'' / 109° 51' 33''			W	H		01/07/15	69.0	4110.0	V		
320045109515301	D-16-24 26DAA	801099	4194	32° 0' 45'' / 109° 51' 53''	75	75	W	H		01/07/15			Z	Z	UTM-LOCKED GATE AT HOME.
320040109520001	D-16-24 26DAC		4202	32° 0' 40'' / 109° 52' 0''			W	H		01/07/15			Z	Z	UTM - RENTER DID NOT GIVE PERMISSION TO MEASURE WELL.
320040109515301	D-16-24 26DAD1		4196	32° 0' 40'' / 109° 51' 53''			U	U		01/07/15			Z	Z	UTM - LOCKED GATE AT HOUSE, SO NO ACCESS TO WELL.
320043109515301	D-16-24 26DAD2		4194	32° 0' 43'' / 109° 51' 53''			U	U		12/11/14	114.5	4079.5	V		
320026109543701	D-16-24 28CDC1		4312	32° 0' 26'' / 109° 54' 37''			U	U		12/09/14			V	O	OBS @ 100'
320026109543702	D-16-24 28CDC2	621223	4312	32° 0' 26'' / 109° 54' 39''			W	H		12/09/14			Z	Z	UTM - NO ACCESS
320050109555501	D-16-24 29BCC	612328	4348	32° 0' 51.7'' / 109° 55' 52.3''			U	U		12/09/14			V	D	DRY @ 243.5
315941109535101	D-16-24 34CCB	602223	4338	31° 59' 43.1'' / 109° 53' 49.5''	357	357	W	I		12/10/14			V	D	POSSIBLE COLLAPSE
320022109520101	D-16-24 35AAB2	644649	4218	32° 0' 22'' / 109° 52' 1''			Z	U		01/08/15			Z	Z	UTM - WELL SHED LOCKED NO ACCES TO WELL.
320023109515901	D-16-24 35AAB3	650163	4218	32° 0' 23'' / 109° 51' 59''			W	H		01/08/15	122.2	4095.8	V		
320022109520201	D-16-24 35AAB4		4218	32° 0' 22'' / 109° 52' 2''			W	H		01/08/15	124.4	4093.6	V		
320013109514801	D-16-24 36BBC	616098	4214	32° 0' 15'' / 109° 51' 47.8''	77	77	W	S		01/08/15			Z	Z	UTM - DO TO BEES IN WELL.
320013109514801	D-16-24 36BBC	616098	4214	32° 0' 15'' / 109° 51' 47.8''	77	77	W	S		12/11/14			V	Z	UTM, BEES IN WELL AT TIME OF VISIT.
320441109451601	D-16-25 01BAA1	604485	4216	32° 4' 41'' / 109° 45' 16''	437	437	W	I		12/16/14			Z	Z	UTM - NEW PUMP NO ACCESS AT TIME OF VISIT.
340445109451301	D-16-25 01BAA2	604484	4215	32° 4' 45'' / 109° 45' 13''	615	615	W	I		12/16/14	99.0	4116.0	V		
320441109453901	D-16-25 01BBB	607558	4207	32° 4' 41.65'' / 109° 45' 39.68''	161	161	U	U	Transducer	10/30/14	90.0	4117.3	VT		
320441109453901	D-16-25 01BBB	607558	4207	32° 4' 41.65'' / 109° 45' 39.68''	161	161	U	U	Transducer	01/08/15	90.0	4117.3	VT		
320415109451301	D-16-25 01CAA	609975	4221	32° 4' 13.8'' / 109° 45' 12.3''			W	I		12/16/14	328.4	3892.6	V		
320354109455901	D-16-25 02DCD		4209	32° 3' 55'' / 109° 45' 58''	445	445	U	U		12/16/14	257.1	3951.9	V	K	
320423109471601	D-16-25 03BDD	625894	4190	32° 4' 23'' / 109° 47' 16''	559	559	W	I		12/17/14			Z	Z	UTM - NOBODY HOME AT TIME OF MSNT.
320418109464501	D-16-25 03DAA2		4197	32° 4' 17.3'' / 109° 46' 46.1''			W	H		12/17/14			Z	Z	UTM - NOBODY HOME AT TIME OF VISIT.
320425109481701	D-16-25 04BDD		4177	32° 4' 25'' / 109° 48' 17''	600	600	U	U		12/17/14			Z	Z	UTM - NO ACCESS TO MP AT TIME OF VISIT.
320356109481801	D-16-25 04CDD	501848	4178	32° 3' 55.4'' / 109° 48' 17.4''	600	600	W	I		12/17/14	254.8	3923.2	V	Z	PUMP REMOVED OPEN WITH TIN LID.
320405109464801	D-16-25 04DDA		4185	32° 4' 0.6'' / 109° 47' 45.8''	356	356	W	H		01/06/15			Z	Z	UTM-LOCKED GATE , NO ACCESS TO WELL.
320418109484801	D-16-25 05DAA	632615	4169	32° 4' 18'' / 109° 48' 48''	80	80	W	S		12/17/14			Z	Z	UTM - WELL SECURED, NO MP ACCESS.
320352109495101	D-16-25 07AAA	618373	4150	32° 3' 52'' / 109° 49' 51''	102	102	W	S		12/17/14			Z	Z	UTM - GATE LOCKED AT TIME OF VISIT, NO ACCESS TO WELL.

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320315109490301	D-16-25 08DBD		4171	32° 3' 15'' / 109° 49' 3''			U	U		01/06/15			Z	Z	UTM-NO ACCESS TO WELL, LOCKED GATE.
320305109472501	D-16-25 10CDC	604970	4191	32° 3' 3.9'' / 109° 47' 25.5''	150	150	W	H		01/06/15			Z	Z	UTM - NO ACCESS HOLE/MP.
320307109464501	D-16-25 10DDD		4200	32° 3' 7'' / 109° 46' 44.3''			U	U		01/06/15			Z	Z	UTM - NO ACCESS HOLE/MP.
320352109455501	D-16-25 11AAB		4211	32° 3' 52.9'' / 109° 45' 52.6''			W	H		12/17/14	287.0	3924.0	V		
320351109463101	D-16-25 11BBA		4202	32° 3' 47.2'' / 109° 46' 28.4''			W	H		01/06/15	100.2	4101.8	V	Z	WELL NO LONGER IN USE.
320337109461501	D-16-25 11BDA	605812	4207	32° 3' 37'' / 109° 46' 15''	601	601	U	U		01/06/15			Z	Z	UTM - OIL DRUM FULL OF OIL OVER OPEN WELL AND COULD NOT MOVE.
320303109460001	D-16-25 11DCD2		4212	32° 3' 3'' / 109° 46' 0''			W	I		01/06/15	315.7	3896.3	V	Z	WELL NO LONGER IN USE.
320301109452501	D-16-25 13BAB	609192	4225	32° 3' 1'' / 109° 45' 24.9''			W	I		12/17/14	175.5	4049.5	V	Z	OPEN HOLE 12"
320250109452601	D-16-25 13BAC		4226	32° 2' 50'' / 109° 45' 26''			W	I		01/06/15			Z	Z	UTM - SUB PUMP/ELECTRIC AND NO ACCESS MP TO TAKE MSNT AT TIME OF VISIT.
320252109451301	D-16-25 13BAD	609194	4233	32° 2' 52.6'' / 109° 45' 12''			W	H		12/17/14	119.0	4114.0	V		
320300109454201	D-16-25 13BBB		4220	32° 3' 0.2'' / 109° 45' 41.7''			W	I		12/17/14	327.2	3892.8	V		
320243109451301	D-16-25 13BDA		4233	32° 2' 43'' / 109° 45' 13''	163	163	W	I		01/06/15			O	Z	UTM - WELL DESTROYED AND NO LONGER IN USE.
320220109451301	D-16-25 13CDA		4228	32° 2' 19.9'' / 109° 45' 12''			W	I		01/06/15	274.8	3953.2	V	K	THIS WELL IS NO LONGER IN USE.
320236109461601	D-16-25 14BDD		4209	32° 2' 35.9'' / 109° 46' 13.9''	493	493	U	U		01/06/15			V	O	KEPT GETTING HUNG UP IN WELL AND WAS NOT ABLE TO COLLECT A MSNT.
320217109454801	D-16-25 14DDA		4218	32° 2' 17'' / 109° 45' 45''	613	613	U	U		01/06/15	323.9	3894.1	V		
320257109471101	D-16-25 15ABB	604941	4194	32° 2' 57'' / 109° 47' 11''	290	290	U	U		01/06/15			Z	Z	UTM - COULD NOT GET PLUG OUT OF MP TO MAKE A MEASUREMENT.
320212109484801	D-16-25 17DDD2	800210	4176	32° 2' 12'' / 109° 48' 48''	200	200	W	S		01/08/15	62.0	4114.0	V	Z	INACTIVE WELL AND NOT IN USE.
320301109495001	D-16-25 18AAA	800209	4162	32° 3' 1'' / 109° 49' 50''	200	200	W	S		01/08/15	52.3	4109.7	V		
320118109464601	D-16-25 22DDD	642060	4209	32° 1' 18'' / 109° 46' 47''	515	515	W	H		12/09/14	173.6	4035.4	V		
320120109454801	D-16-25 23DDD	604408	4224	32° 1' 18'' / 109° 45' 43''	324	324	W	I		12/09/14			Z	Z	UTM - ACCESS BLOCKED AT TIME OF MSNT.
320121109444701	D-16-25 24DDD	604407	4247	32° 1' 18'' / 109° 44' 42.1''	406	406	W	I		12/03/14	357.6	3889.4	V		
320108109451201	D-16-25 25BAD	604384	4234	32° 1' 8'' / 109° 45' 12''			W	I		12/11/14			Z	Z	UTM - MP BLOCKED AT TIME OF VISIT.
320050109451301	D-16-25 25CAA		4232	32° 0' 50.4'' / 109° 45' 12.7''			W	I		12/11/14	335.5	3896.5	V		
320051109444301	D-16-25 25DAA1		4245	32° 0' 51.1'' / 109° 44' 41.8''			U	U		12/03/14			V	O	OBSTRUCTED AT 215
320049109444201	D-16-25 25DAA2	604409	4245	32° 0' 49'' / 109° 44' 41.8''	500	500	W	I		12/03/14	341.6	3903.4	V		
320038109444201	D-16-25 25DAD	604410	4245	32° 0' 38'' / 109° 44' 42''	407	407	U	U		12/03/14	345.3	3899.7	V		
320033109472501	D-16-25 27CDB	504086	4202	32° 0' 33'' / 109° 47' 25''	305	305	W	H		01/09/15	281.0	3921.0	V		
320116109474601	D-16-25 28AAA	521741	4193	32° 1' 16'' / 109° 47' 46''	150	150	W	S		01/09/15			Z	Z	UTM- LOCKED GATE SURROUNDING PROPERTY.
320049109474601	D-16-25 28DAA2	633021	4195	32° 0' 49'' / 109° 47' 46''	200	200	W	H		01/09/15			Z	Z	UTM - NO ACCES HOLE/MP CAPPED WELL.
315935109502101	D-16-25 31CDD	518111	4197	31° 59' 35'' / 109° 50' 21''	165	165	W	S		12/17/14			Z	Z	UTM - NO ACCESS
320022109454801	D-16-25 35AAA	604957	4228	32° 0' 21.8'' / 109° 45' 44''	500	500	U	U		12/03/14	319.9	3908.1	V		
320022109444601	D-16-25 36AAA	609186	4243	32° 0' 24.6'' / 109° 44' 41''	500	500	U	U	Annually	12/03/14	342.0	3901.0	V		
320024109453901	D-16-25 36BBB		4228	32° 0' 24.2'' / 109° 45' 38.9''			W	I		12/04/14	326.5	3901.5	V		
320443109411201	D-16-26 03BAA	608557	4328	32° 4' 45.7'' / 109° 41' 10.7''	500	500	W	I		12/12/14	367.4	3960.6	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320431109414301	D-16-26 04ADA		4311	32° 4' 31.4'' / 109° 41' 42.1''	500	500	U	U		12/10/14	385.9	3925.1	V		
320356109422701	D-16-26 04CDC	609969	4289	32° 3' 56'' / 109° 42' 27''			U	U		12/10/14	403.9	3885.1	V		
320406109414201	D-16-26 04DDA	609963	4312	32° 4' 6.8'' / 109° 41' 41.4''	506	506	U	U		12/10/14	386.2	3925.8	V		
320359109414201	D-16-26 04DDD	609965	4315	32° 3' 59'' / 109° 41' 42''	506	506	U	U		12/10/14	392.9	3922.1	V		
320403109434701	D-16-26 06DDA	612109	4258	32° 4' 6.7'' / 109° 43' 44.9''	662	662	W	S	Annually	12/10/14	375.1	3882.7	V		
320306109434701	D-16-26 07DDD	616106	4260	32° 3' 3'' / 109° 43' 48''	500	500	U	U		12/03/14			V	O	OBSTRUCTED
320303109414201	D-16-26 09DDD	801769	4313	32° 3' 3'' / 109° 41' 42''	740	740	U	U		12/12/14	427.5	3885.5	V		
320329109404401	D-16-26 10ADD	626672	4340	32° 3' 29.6'' / 109° 40' 41.1''	618	618	U	U		12/10/14	387.8	3952.2	V		
320303109410601	D-16-26 10CDD	626653	4330	32° 3' 2.7'' / 109° 41' 12.1''	555	555	U	U		12/12/14	427.0	3903.0	V		
320318109404101	D-16-26 10DAD	86078	4345	32° 3' 16.4'' / 109° 40' 40.7''	541	541	U	U		12/12/14	410.0	3935.0	V		
320312109404401	D-16-26 10DDD	626652	4350	32° 3' 8'' / 109° 40' 41''	615	615	W	I		12/12/14	419.3	3930.7	V		
320333109394301	D-16-26 11ADD	626654	4372	32° 3' 29'' / 109° 39' 39.3''	1015	1015	U	U		12/09/14	317.0	4055.0	V		
320306109403801	D-16-26 11CCC		4348	32° 3' 6.3'' / 109° 40' 37.5''			U	U		12/12/14	419.4	3928.6	V		
320303109394001	D-16-26 11DDD	805929	4381	32° 3' 2.2'' / 109° 39' 39.2''			U	U		12/09/14	363.8	4017.2	V		
320304109384101	D-16-26 12DDD	627052	4407	32° 3' 2.5'' / 109° 38' 36.2''	885	885	W	I		12/03/14	357.0	4050.0	V		
320304109384101	D-16-26 12DDD	627052	4407	32° 3' 2.5'' / 109° 38' 36.2''	885	885	W	I		12/09/14	342.6	4064.4	V		
320246109394101	D-16-26 14ADA		4380	32° 2' 48.3'' / 109° 39' 39.5''			U	U		12/09/14	392.8	3987.2	V		
320236109393901	D-16-26 14ADD	805933	4372	32° 2' 36.4'' / 109° 39' 38.8''			W	I		12/09/14	393.2	3978.8	V		
320232109394201	D-16-26 14DAA	809034	4375	32° 2' 35.4'' / 109° 39' 39.2''	940	940	U	U	Annually	12/09/14	392.8	3982.2	V		
320215109434401	D-16-26 18DDD	611982	4265	32° 2' 14.5'' / 109° 43' 43.8''	500	500	U	U		12/03/14	381.1	3883.9	V		
320209109444101	D-16-26 19BBB		4244	32° 2' 9.4'' / 109° 44' 40.6''			U	U		12/03/14			V	O	OBSTRUCTED AT 175.0
320144109394201	D-16-26 23ADD		4366	32° 1' 43.6'' / 109° 39' 41.3''	1010	1010	U	U		12/11/14	399.0	3967.0	V		
320230109394001	D-16-26 23DDA	622696	4372	32° 1' 28.4'' / 109° 39' 38.7''	1010	1010	W	I		12/11/14	399.6	3972.4	V		
320209109384101	D-16-26 24AAA	619142	4401	32° 2' 8.6'' / 109° 38' 41.5''	743	743	U	U		12/09/14	381.5	4019.5	V		
320204109383801	D-16-26 24AAD	619143	4401	32° 2' 2'' / 109° 38' 37.1''	805	805	W	I		12/09/14	381.0	4020.0	V		
320209109392201	D-16-26 24BAB	619140	4376	32° 2' 9.5'' / 109° 39' 21.9''	622	622	W	I		12/09/14	385.6	3990.4	V		
320136109391001	D-16-26 24CAD		4384	32° 1' 32.3'' / 109° 39' 7.3''	900	900	U	U		12/11/14	381.9	4002.1	V		
320123109391001	D-16-26 24CDD	622695	4382	32° 1' 21.3'' / 109° 39' 7.8''	950	950	W	I		12/11/14	375.4	4006.6	V		
320118109391001	D-16-26 25BAA	622692	4378	32° 1' 13.5'' / 109° 39' 7.7''	850	850	U	U		12/11/14	369.8	4008.2	V		
320041109391001	D-16-26 25CAD	607899	4375	32° 0' 38.9'' / 109° 39' 13.8''	680	680	W	I		12/11/14	355.9	4019.1	V		
320111109404301	D-16-26 27AAA	604399	4339	32° 1' 13.3'' / 109° 40' 39.6''			W	I		12/11/14	379.2	3959.8	V		
320049109404301	D-16-26 27DAA	604400	4332	32° 0' 49'' / 109° 40' 40''	540	540	W	I		12/11/14	358.2	3973.8	V		
320114109424701	D-16-26 29AAA		4288	32° 1' 14.5'' / 109° 42' 38.1''	650	650	U	U		12/11/14			V	O	OBSTRUCTED AT 300'
320104109424501	D-16-26 29ADA		4286	32° 1' 4.3'' / 109° 42' 44''			U	U		12/11/14	386.9	3899.1	V		
320117109431401	D-16-26 29BAA1		4276	32° 1' 17'' / 109° 43' 14''			U	U		12/11/14	373.2	3902.8	V		
320119109434701	D-16-26 30AAA	626217	4264	32° 1' 16.9'' / 109° 43' 44.1''	700	700	W	S		12/11/14	375.2	3888.8	V		
320110109441501	D-16-26 30BAD	626229	4254	32° 1' 10'' / 109° 44' 15''	700	700	W	H		12/11/14	364.2	3889.8	V		
320022109424601	D-16-26 32AAA		4285	32° 0' 23.6'' / 109° 42' 42.8''	615	615	U	U	Annually	12/11/14	320.9	3964.1	V		
320000109424301	D-16-26 32ADD		4283	31° 59' 59.8'' / 109° 42' 45''	600	600	U	U		12/16/14	301.7	3981.3	V		
315954109424301	D-16-26 32DAA	618559	4282	31° 59' 55.1'' / 109° 42' 45.1''			U	U		12/17/14			Z	Z	UTM - DRY @ 276.6
315958109425701	D-16-26 32DAB	618557	4280	31° 59' 59.1'' / 109° 42' 58.2''	500	500	U	U		12/16/14			Z	Z	UTM - DRY AT TIME OF VISIT.
315957109414501	D-16-26 33DAA2	602743	4306	31° 59' 58.3'' / 109° 41' 43.7''	450	450	U	U		12/16/14	309.6	3996.4	V		
320020109404401	D-16-26 34AAA		4325	32° 0' 23.9'' / 109° 40' 40.2''	825	825	U	U		12/11/14	342.9	3982.1	V		
315955109404101	D-16-26 34DAA		4328	31° 59' 58.6'' / 109° 40' 43.3''	1305	1305	U	U		12/16/14	324.0	4004.0	V		
320025109393901	D-16-26 35AAA	612906	4356	32° 0' 25'' / 109° 39' 39''	564	564	W	I		12/11/14	344.3	4011.7	V		
320023109401301	D-16-26 35BAA	604385	4340	32° 0' 25.3'' / 109° 40' 9.2''	436	436	W	I		12/11/14	343.8	3996.2	V		
320011109400901	D-16-26 35BAD	604386	4340	32° 0' 11.7'' / 109° 40' 9.1''			W	I		12/11/14	335.0	4005.0	V		
315959109401001	D-16-26 35CAA1		4345	31° 59' 58.7'' / 109° 40' 8.9''	500	500	W	I		12/16/14			Z	Z	UTM-MP BLOCKED AT TIME OF VISIT, NO OTHER ACCESS POINTS.
320305109382501	D-16-27 07CDC	627053	4413	32° 3' 2.9'' / 109° 38' 19.1''	718	718	U	U		12/09/14	328.4	4084.6	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320324109370601	D-16-27 08CAA3	522611	4461	32° 3' 23.5'' / 109° 37' 6.1''	400	400	W	S		12/09/14			Z	Z	UTM - LOCKED GATE AT TIME OF VISIT, NO ACCESS.
320116109343301	D-16-27 27AAA	628038	4537	32° 1' 17.5'' / 109° 34' 32.3''	300	300	W	S	Annually	12/10/14			Z	Z	NO PERMISSION FROM OWNER TO MEASURE.
320107109352501	D-16-27 27BBC	556743	4535	32° 1' 5.8'' / 109° 35' 23.2''	370	370	W	S	Annually	12/10/14	277.8	4257.2	V		
320105109382001	D-16-27 30BAC	608128	4397	32° 1' 4.11'' / 109° 38' 32.76''	597	597	O	U	Transducer	06/25/15	371.0	4026.3	VT	S	D-16-27 30BDC PUMPING
320105109382001	D-16-27 30BAC	608128	4397	32° 1' 4.11'' / 109° 38' 32.76''	597	597	O	U	Transducer	01/08/15	367.0	4030.3	VT		
320105109382001	D-16-27 30BAC	608128	4397	32° 1' 4.11'' / 109° 38' 32.76''	597	597	O	U	Transducer	10/30/14	369.0	4028.3	VT		
320410109283201	D-16-28 02CCB	646604	4880	32° 4' 5'' / 109° 28' 22''	500	500	U	U		12/01/14			Z	Z	UTM - NO ACCESS, NEEDS TO BE DRILLED
320445109302401	D-16-28 04BBB		4709	32° 4' 40.3'' / 109° 30' 25.3''			W	S	Annually	12/09/14	341.3	4367.7	V		
320420109310501	D-16-28 05BDD	609512	4683	32° 4' 20'' / 109° 31' 5''			W	S		12/02/14	324.5	4358.5	V		
320148109265001	D-16-28 23ADB	646608	4862	32° 1' 55'' / 109° 27' 35.3''	362	362	W	S		12/02/14	313.1	4548.9	V		PUMPED 30 DAYS AGO
320204109275801	D-16-28 23BAA	514337	4860	32° 2' 6'' / 109° 27' 55.3''	404	404	W	H		12/02/14	335.3	4524.7	V		PUMPED LAST NIGHT
320052109271001	D-16-28 25BCD1		4900	32° 0' 52.2'' / 109° 27' 9.4''			W	H		12/01/14			Z	Z	UTM - WINTERIZED, NO ACCESS
320051109271001	D-16-28 25BCD2		4900	32° 0' 51.8'' / 109° 27' 9.1''			W	H		12/01/14	218.2	4681.8	V		
320040109270601	D-16-28 25CDB	626256	4930	32° 0' 33'' / 109° 27' 3.4''	360	360	U	U		12/01/14			Z	Z	UTM - UNABLE TO LOCATE
320414109220801	D-16-29 02CBA UNSURV	642722	5712	32° 4' 14.1'' / 109° 22' 6.5''	20	20	W	S		12/10/14			Z	Z	UTM - ROAD WASHED OUT AFTER FIRE & RECENT RAINS.
320402109230201	D-16-29 03CDB	643335	5500	32° 4' 0.7'' / 109° 23' 1.3''	55	55	W	S		12/10/14	35.2	5464.8	S		
320442109235401	D-16-29 04AAA1		5567	32° 4' 42'' / 109° 23' 21''			U	U		12/11/14			Z	Z	UTM - ROAD WASHED OUT, UNABLE TO GET TO.
320441109232001	D-16-29 04AAA2		5577	32° 4' 42.5'' / 109° 23' 19.8''			U	U		12/11/14			Z	Z	UTM - ROAD WASHED OUT, UNABLE TO GET TO.
320441109232002	D-16-29 04AAA3		5578	32° 4' 42.7'' / 109° 23' 19.7''			U	U		12/11/14			Z	Z	UTM - ROAD WASHED OUT, UNABLE TO GET TO.
320410109233301	D-16-29 04DAC2		5410	32° 4' 10'' / 109° 23' 33''			U	U		12/11/14			Z	Z	UTM - UNABLE TO REACH WELL ACCESS - TOO OVERGROWN.
320406109234301	D-16-29 04DBC	643336	5390	32° 4' 6.9'' / 109° 23' 42.5''			W	S		12/11/14			Z	Z	UTM - NO ACCESS; INSTALLED SOLAR A FEW AGO.
320443109244701	D-16-29 05ABB		5302	32° 4' 44'' / 109° 24' 44.8''			U	U		12/11/14	205.8	5096.2	V		
320322109222201	D-16-29 10DAA	628031	5525	32° 3' 21.7'' / 109° 22' 19.6''	200	200	W	S		12/03/14			Z	Z	UTM - WELL SWITCHED TO SUBMERSIBLE/SOLAR A FEW YEARS; NOW NO ACCESS TO MEASURE WATER LEVEL. OWNER DOES NOT WANT DRILLED.
320237109245001	D-16-29 17ACC	509786	5130	32° 2' 39.2'' / 109° 24' 52''	105	105	W	S		12/10/14	93.4	5036.6	V	P	
320136109233001	D-16-29 21DAC	628036	5159	32° 1' 35.9'' / 109° 23' 28.7''			W	S		12/10/14	206.8	4952.2	V	P	
320029109221601	D-16-29 26CCC2	629083	5230	32° 0' 29.6'' / 109° 22' 14.2''	120	120	W	H		12/09/14	15.1	5214.9	S		
320032109215701	D-16-29 26CDB	629081	5270	32° 0' 31.5'' / 109° 21' 54.5''	78	78	W	H		12/03/14	4.0	5266.0	S		
320038109211901	D-16-29 26DAD1	629082	5340	32° 0' 38.7'' / 109° 21' 17.9''	116	116	U	U		12/03/14	24.1	5315.9	V		
320031109222501	D-16-29 27DDA		5220	32° 0' 30.5'' / 109° 22' 23.6''			U	U		12/03/14	18.7	5201.3	S		
320028109222001	D-16-29 27DDD		5230	32° 0' 28.6'' / 109° 22' 17.8''			U	U		12/03/14	17.9	5212.1	S		
320033109241701	D-16-29 28CCB	628035	5070	32° 0' 34.5'' / 109° 24' 14.7''	200	200	W	H		12/03/14	10.5	5059.5	S		
320028109241601	D-16-29 28CCC	628034	5060	32° 0' 27.4'' / 109° 24' 11.2''	60	60	U	U		12/03/14			Z	M	FILLED IN WITH SAND PER OWNER
320025109240301	D-16-29 28CDC	628033	5065	32° 0' 26.8'' / 109° 24' 1''	113	113	W	S		12/03/14	9.4	5055.6	S		
320109109261301	D-16-29 30BBD1		4930	32° 1' 8.6'' / 109° 26' 12.5''	70	70	W	S		12/03/14			Z	Z	UTM - PUMPING

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
320107109261201	D-16-29 30BBD2	643339	4930	32° 1' 9.7'' / 109° 26' 13.2''			W	H		12/09/14	24.0	4906.0	V		
320019109240601	D-16-29 33BAB		5085	32° 0' 18.8'' / 109° 24' 5.4''			U	U		12/02/14	18.1	5066.9	V		
320012109235201	D-16-29 33BAD1		5110	32° 0' 6.6'' / 109° 23' 51.5''			U	U		12/02/14	15.2	5094.8	V		
320011109235201	D-16-29 33BAD2		5110	32° 0' 6.4'' / 109° 23' 51.3''			W	H		12/02/14	17.3	5092.7	S		
320022109242001	D-16-29 33BBB	643331	5070	32° 0' 21.9'' / 109° 24' 18.1''	60	60	W	H		12/02/14	18.6	5051.4	V		
315910109511201	D-17-24 01ACC		4240	31° 59' 10'' / 109° 51' 12''	530	530	W	I		12/17/14			Z	Z	UTM - NO ACCESS
315930109512001	D-17-24 01BAA		4232	31° 59' 28.9'' / 109° 51' 19.8''	530	530	U	U		12/17/14	198.3	4033.7	V		
315909109514901	D-17-24 01BCC		4261	31° 59' 9.3'' / 109° 51' 48.4''	326	326	U	U		12/17/14	242.4	4018.6	V		
315855109510101	D-17-24 01DAC		4245	31° 58' 53.4'' / 109° 51' 0.9''	128	128	U	U	Inactive	12/17/14			Z	Z	UTM - NO ACCESS HAS BEEN DRY IN PAST
315853109523501	D-17-24 02CBD		4300	31° 58' 53'' / 109° 52' 35''			W	I		12/10/14	281.2	4018.8	V		
315929109525301	D-17-24 03AAA	508869	4296	31° 59' 30.1'' / 109° 52' 52.6''	300	300	W	H		12/11/14			Z	Z	UTM - NO ACCESS
315919109530401	D-17-24 03ABD	616934	4319	31° 59' 19.9'' / 109° 53' 6.6''	312	312	W	I		12/11/14	284.6	4034.4	V		
315906109532101	D-17-24 03ACC	616936	4339	31° 59' 5.8'' / 109° 53' 20.8''	400	400	W	I		12/11/14	312.6	4026.4	V		
315907109532201	D-17-24 03BDD	616938	4339	31° 59' 6.1'' / 109° 53' 22.2''	400	400	W	H		12/10/14			Z	Z	UTM - NO ACCESS
315852109534201	D-17-24 03CCA		4368	31° 58' 52.7'' / 109° 53' 36''			W	I		12/11/14	336.5	4031.5	V		
315908109553801	D-17-24 05BDC		4450	31° 59' 8'' / 109° 55' 38''			U	U		12/11/14	423.5	4026.5	V		
315829109545501	D-17-24 08AAD2	628877	4463	31° 58' 28.9'' / 109° 54' 56.1''	532	532	W	H		12/11/14	440.2	4022.8	V		
315819109522501	D-17-24 11ACC	617433	4316	31° 58' 20'' / 109° 52' 20''	600	600	W	I		12/16/14	300.9	4015.1	V		
315812109525101	D-17-24 11BCC	617432	4348	31° 58' 19.2'' / 109° 52' 49''	600	600	U	U		12/11/14			Z	Z	UTM - NO MP ACCESS
315751109524701	D-17-24 11CCC2	617435	4365	31° 57' 48'' / 109° 52' 47''	600	600	W	I		12/11/14			Z	P	UTM - WELL PUMPING
315748109521501	D-17-24 11DCC	617434	4342	31° 57' 48'' / 109° 52' 13.8''	600	600	W	I	Annually	12/16/14	329.4	4012.6	V		
315815109515101	D-17-24 12BCC	625780	4298	31° 58' 13.9'' / 109° 51' 48.4''	600	600	W	I		12/16/14			Z	Z	UTM - NO ACCESS
315748109514801	D-17-24 12CCC	625779	4317	31° 57' 47.9'' / 109° 51' 48.3''	525	525	W	I	Inactive	12/16/14	304.1	4012.9	V		
315802109511601	D-17-24 12DCB	625778	4284	31° 58' 0'' / 109° 51' 18''	800	800	W	I		12/16/14			Z	Z	UTM - NO ACCESS
315731109510301	D-17-24 13ADB	603166	4284	31° 57' 33'' / 109° 51' 0''	679	679	W	I		12/16/14	279.5	4004.5	V		
315723109505301	D-17-24 13ADD	603168	4288	31° 57' 23'' / 109° 50' 50''	364	364	W	I		12/16/14			Z	Z	UTM - NO ACCESS
315746109522501	D-17-24 14BAA	806554	4346	31° 57' 46'' / 109° 52' 25''	354	354	U	U		12/16/14			Z	Z	UTM - NO ACCESS
315722109524801	D-17-24 14BCC		4384	31° 57' 22'' / 109° 52' 48''			W	H		12/11/14			Z	W	UTM - NO ACCESS
325724109542901	D-17-24 16BDD	641848	4465	31° 57' 24'' / 109° 54' 29''	384	384	W	H		12/11/14			Z	Z	UTM - NO ACCESS
315630109540001	D-17-24 21ADD	644005	4496	31° 56' 30'' / 109° 54' 0''	350	350	W	H		12/10/14			V	D	DRY @ 440'
315652109532701	D-17-24 22BAA	642183	4446	31° 56' 50.9'' / 109° 53' 25.8''	524	524	W	H		12/10/14	409.6	4036.4	V		
315643109521301	D-17-24 23ABD1	604035	4390	31° 56' 45.7'' / 109° 52' 10.9''	373	373	U	U		12/16/14			V	O	OBS @ 325'
315646109521101	D-17-24 23ADB2	588414	4390	31° 56' 45.9'' / 109° 52' 11.2''	505	505	W	P	Annually	12/16/14	371.0	4019.0	V		
315515109511501	D-17-24 25DCC		4442	31° 55' 14.2'' / 109° 51' 14.5''			W	H		12/16/14	400.2	4041.8	V		
315602109522201	D-17-24 26BAA	603880	4456	31° 56' 2'' / 109° 52' 22''	560	560	W	P		12/16/14			Z	Z	UTM - UTL
315600109525801	D-17-24 27AAB		4490	31° 56' 0'' / 109° 52' 58''	307.5	307.5	U	U		12/10/14			V	D	DRY @ 300
315513109545701	D-17-24 29DDD	521419	4685	31° 55' 12.5'' / 109° 54' 55.1''	140	140	W	S		12/10/14			Z	Z	UTM - NO ACCESS
315457109545601	D-17-24 32AAD	507816	4712	31° 54' 58'' / 109° 54' 53.7''	800	800	U	U		12/10/14	356.5	4355.5	V		
325453109525201	D-17-24 34ADA1	536609	4566	31° 54' 53.6'' / 109° 52' 52.5''	540	540	U	U		12/10/14			Z	Z	UTM - NO ACCESS
315417109514701	D-17-24 36CCC	616183	4528	31° 54' 18.7'' / 109° 51' 48.4''	408	408	W	H		12/11/14			V	D	DRY @ 340'
315931109450101	D-17-25 01ABA2	802016	4241	31° 59' 31'' / 109° 45' 1''			W	S		12/11/14			Z	Z	UTM - NO ACCESS
315902109454401	D-17-25 02DAA2	632898	4228	31° 59' 1.2'' / 109° 45' 43.5''	162	162	U	U		12/11/14			V	D	STILL DRY APROX 160'
315905109464701	D-17-25 03DAA	631565	4211	31° 59' 5.8'' / 109° 46' 44.9''	146	146	U	U		12/11/14			V	D	DRY @ 145'
315845109491501	D-17-25 05DCC	800202	4218	31° 58' 40.9'' / 109° 49' 15.5''	475	475	U	U		12/11/14			V	D	DRY OR COLLAPASE @ 450'
315841109504701	D-17-25 06CCC	603787	4240	31° 58' 41'' / 109° 50' 47''	450	450	W	H		12/17/14	111.1	4128.9	V		
315844109501901	D-17-25 06DCC	626473	4222	31° 58' 44'' / 109° 50' 19''	600	600	W	I		12/11/14	145.4	4076.6	V	K	
315815109501601	D-17-25 07ACC1		4235	31° 58' 14.6'' / 109° 50' 19.3''	620	620	U	U		12/17/14			Z	Z	UTM - NO ACCESS
315814109501901	D-17-25 07ACC2		4235	31° 58' 14.5'' / 109° 50' 19.3''			U	U		12/17/14			Z	Z	UTM - NO ACCESS
315817109495201	D-17-25 07ADD		4222	31° 58' 17'' / 109° 49' 48''			Z	U		12/17/14				W	
315828109502001	D-17-25 07BAD		4228	31° 58' 27.6'' / 109° 50' 20.1''	700	700	W	I		12/17/14	188.5	4039.5	V		
315818109504401	D-17-25 07BCC	626469	4248	31° 58' 18.4'' / 109° 50' 43.8''	590	590	W	I		12/17/14	192.5	4055.5	V	K	
315748109503001	D-17-25 07CDC	604380	4253	31° 57' 48.5'' / 109° 50' 28.5''	760	760	W	I		12/17/14			Z	Z	UTM - NO ACCESS

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315816109494501	D-17-25 08BCC2		4222	31° 58' 15.6'' / 109° 49' 47.3''	500	500	U	U	Annually	12/16/14	212.1	4009.9	V	K	
315816109494701	D-17-25 08BCC3		4221	31° 58' 16'' / 109° 49' 47''	950	950	U	U		12/16/14			V	O	UTM - OBSTRUCTION
315750109494801	D-17-25 08CCC	620923	4234	31° 57' 50'' / 109° 49' 48''	400	400	W	I		12/17/14	231.2	4002.8	V		
315750109491501	D-17-25 08DCC	620925	4232	31° 57' 48'' / 109° 49' 15''	560	560	W	I		12/16/14			Z	Z	UTM - NO ACCESS
315815109484601	D-17-25 09BCC1		4210	31° 58' 15'' / 109° 48' 46''			W	I		12/17/14			Z	Z	UTM - NO ACCESS
315815109484201	D-17-25 09BCC2	800060	4209	31° 58' 15'' / 109° 48' 42''	263	263	W	I		12/17/14			Z	Z	UTM - NO ACCESS
315814109483101	D-17-25 09CBA	805918	4210	31° 58' 14'' / 109° 48' 31''			U	U		12/17/14			Z	Z	UTM - NO ACCESS
315806109484301	D-17-25 09CBC1		4218	31° 58' 4'' / 109° 48' 46''	1172	1172	U	U		12/17/14	189.3	4028.7	V		
315806109484401	D-17-25 09CBC2		4218	31° 58' 4'' / 109° 48' 47''	604	604	U	U		12/17/14			Z	Z	UTM - NO ACCESS
315751109484401	D-17-25 09CCC1	800063	4225	31° 57' 49'' / 109° 48' 46''	358	358	U	U		12/17/14	147.4	4077.6	V		
315750109484701	D-17-25 09CCC2	800061	4224	31° 57' 50'' / 109° 48' 47''		400	W	I		12/17/14			Z	Z	UTM - NO ACCESS
315749109481501	D-17-25 09DCC1	609025	4222	31° 57' 49'' / 109° 48' 15''	271	271	W	I		12/17/14			Z	Z	UTM - NO ACCESS
315752109452401	D-17-25 12CDC	633289	4245	31° 57' 52.4'' / 109° 45' 26''	200	200	U	U		12/11/14	159.6	4085.4	V		
315738109452501	D-17-25 13BAC	86712	4238	31° 57' 38'' / 109° 45' 25''			W	H		12/11/14			Z	Z	UTM - NO ACCESS
315658109474301	D-17-25 15CCC	626936	4241	31° 56' 58'' / 109° 47' 43''	632	632	W	I		12/16/14			Z	Z	UTM - NO ACCESS
315722109482901	D-17-25 16BDC	616185	4241	31° 57' 22.1'' / 109° 48' 24''	385	385	U	U		12/17/14	217.7	4023.3	V		
315721109503501	D-17-25 18CBA	557357	4282	31° 57' 20.7'' / 109° 50' 33.8''	600	600	U	U		12/16/14	282.2	3999.8	V		
315651109502501	D-17-25 19BAA		4306	31° 56' 51'' / 109° 50' 25''	801	801	W	I		12/16/14	302.7	4003.3	V		
315611109504701	D-17-25 19CCB	502128	4362	31° 56' 13.9'' / 109° 50' 46.7''	800	800	W	P		12/16/14	350.5	4011.5	V		
315607109502101	D-17-25 19CDD	603878	4348	31° 56' 7'' / 109° 50' 20.3''	500	500	U	U		12/16/14	332.5	4015.5	V		
315618109494501	D-17-25 20CBC	612645	4320	31° 56' 17.2'' / 109° 49' 43''	592	592	U	U		12/16/14			V	O	OBS @ 275
315642109452601	D-17-25 24BDB		4235	31° 56' 42.7'' / 109° 45' 27.2''			W	H		12/11/14			Z	Z	UTM - NO ACCESS
315538109501301	D-17-25 30ACC	625155	4372	31° 55' 37.2'' / 109° 50' 18.2''	585	585	U	U		12/16/14	353.5	4018.5	V		
315537109495401	D-17-25 30ADD	625153	4363	31° 55' 37.3'' / 109° 49' 53.1''	557	557	U	U		12/16/14	345.6	4017.4	V		
315539109504701	D-17-25 30BCC		4399	31° 55' 37.1'' / 109° 50' 46.8''	606	606	U	U		12/16/14			Z	W	UTM - WELL DESTROYED
315538109502901	D-17-25 30BDC	625156	4384	31° 55' 36.9'' / 109° 50' 32.8''	557	557	U	U		12/16/14	365.1	4018.9	V		
315420109490501	D-17-25 32DCD		4389	31° 54' 20'' / 109° 49' 5''			U	U		12/16/14			Z	Z	UTM - NO ACCESS
315457109455701	D-17-25 35ADB	515139	4288	31° 54' 58.1'' / 109° 45' 58.2''	375	375	W	H		12/11/14	213.0	4075.0	V		
315930109401101	D-17-26 02BAA	604390	4330	31° 59' 32.9'' / 109° 40' 11.3''	400	400	U	U		12/15/14	306.8	4023.2	V		
315918109401101	D-17-26 02BDA	604391	4326	31° 59' 16.7'' / 109° 40' 9''	398	398	W	H		12/16/14	294.3	4031.7	V		
315907109404001	D-17-26 03DAA		4319	31° 59' 6.1'' / 109° 40' 40.3''	600	600	U	U		12/16/14	285.8	4033.2	V		
315852109404301	D-17-26 03DDA1		4318	31° 58' 52.4'' / 109° 40' 40.3''	600	600	U	U		12/16/14	276.3	4041.7	V		
315930109414401	D-17-26 04AAD	620776	4297	31° 59' 25.5'' / 109° 41' 41.8''	797	797	U	U		12/16/14	298.7	3998.3	V		
315930109424301	D-17-26 05AAA1	605012	4282	31° 59' 31.8'' / 109° 42' 42.7''	800	800	W	H		12/16/14	293.4	3988.6	V		
315931109424401	D-17-26 05AAA2	605013	4282	31° 59' 32.5'' / 109° 42' 46.1''	700	525	U	U		12/15/14	290.3	3991.7	V		
315931109424701	D-17-26 05AAA3	605014	4280	31° 59' 32.5'' / 109° 42' 47.5''	800	800	U	U		12/15/14	290.2	3989.8	V		
315930109425501	D-17-26 05AAB	605015	4279	31° 59' 32.5'' / 109° 42' 55.4''	435	435	U	U		12/15/14	289.4	3989.6	V		
315932109431401	D-17-26 05BAA	610714	4275	31° 59' 32.1'' / 109° 43' 13.2''			W	I		12/15/14	287.9	3987.1	V		
315920109441601	D-17-26 06BAD	805118	4254	31° 59' 23.4'' / 109° 44' 14.1''	580	580	U	U	Annually	12/15/14	288.1	3965.9	V		
315932109443901	D-17-26 06BBB		4245	31° 59' 31.9'' / 109° 44' 39.2''			U	U		12/15/14			V	O	UTM-OBS @ 264.8
315836109404301	D-17-26 10AAA1		4318	31° 58' 38.9'' / 109° 40' 40.2''	800	800	U	U		12/15/14			Z	Z	UTM-NO ACCESS AT TIME OF VISIT.
315835109404301	D-17-26 10AAA2		4318	31° 58' 36.5'' / 109° 40' 40''	800	800	U	U		12/15/14	259.7	4058.3	V		
315839109405301	D-17-26 10AAB	805863	4316	31° 58' 38.8'' / 109° 40' 52.6''			U	U		12/15/14	263.4	4052.6	V		
315811109404201	D-17-26 10DAA	616978	4312	31° 58' 12.8'' / 109° 40' 40.2''	650	650	U	U		12/15/14	237.3	4074.7	V		
315815109401001	D-17-26 11CAA	604393	4323	31° 58' 14.2'' / 109° 40' 9.1''			W	I		12/15/14			V	Z	UTM - DRY/BOTTOM @ 171.8
315802109400901	D-17-26 11CAD	604394	4322	31° 58' 1.5'' / 109° 40' 9.1''			U	U		12/15/14			Z	Z	UTM-NO ACCESS
315813109394001	D-17-26 11DAA	612905	4330	31° 58' 13.5'' / 109° 39' 38.4''	520	520	W	I		12/15/14	247.0	4083.0	V		
315735109383901	D-17-26 13AAD	622875	4348	31° 57' 35.2'' / 109° 38' 37.1''	730	730	U	U		12/15/14	259.8	4088.2	V		
315710109383901	D-17-26 13DAD	622876	4350	31° 57' 9.1'' / 109° 38' 36.9''	710	710	U	U		12/15/14	256.9	4093.1	V		
315745109393901	D-17-26 14AAA		4329	31° 57' 45.8'' / 109° 39' 38.3''	600	600	U	U	Annually	12/11/14	235.2	4093.8	V		
315748109400801	D-17-26 14ABB		4321	31° 57' 47.6'' / 109° 40' 8.8''	400	400	U	U		12/15/14	224.5	4096.5	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315719109394401	D-17-26 14ADD		4330	31° 57' 23'' / 109° 39' 38.6''	355	355	U	U		12/15/14	224.2	4105.8	V		
315638109404201	D-17-26 22ADA		4308	31° 56' 38'' / 109° 40' 42''			U	U		12/17/14	222.9	4085.1	V		
315606109401201	D-17-26 23CDD		4318	31° 56' 6.7'' / 109° 40' 9.4''	510	510	U	U		12/11/14	206.4	4111.6	V		
315651109384001	D-17-26 24AAA		4351	31° 56' 55.1'' / 109° 38' 36.3''	380	380	U	U		12/15/14	247.1	4103.9	V		
315632109383701	D-17-26 24ADD		4351	31° 56' 32.2'' / 109° 38' 37.3''	460	460	U	U		12/15/14	229.8	4121.2	V		
315656109390701	D-17-26 24BAA		4336	31° 56' 55.4'' / 109° 39' 6.9''	400	400	U	U		12/15/14	249.0	4087.0	V		
315553109391001	D-17-26 25BAD	611830	4338	31° 55' 54.3'' / 109° 39' 7.9''	1020	1020	U	U		12/12/14	245.1	4092.9	V		
315534109391201	D-17-26 25CAA		4338	31° 55' 34'' / 109° 39' 8''	746	746	U	U		12/12/14	242.3	4095.7	V		
315511109391001	D-17-26 25CDD	611832	4340	31° 55' 14.2'' / 109° 39' 7.6''	589	589	U	U		12/12/14	270.3	4069.7	V		
315601109394001	D-17-26 26AAA		4323	31° 56' 2.8'' / 109° 39' 38.7''	900	900	U	U		12/11/14	215.9	4107.1	V		
315601109404101	D-17-26 27AAA		4307	31° 56' 3.2'' / 109° 40' 39.7''	500	500	U	U		12/17/14	191.9	4115.1	V		
315537109404101	D-17-26 27DAA		4308	31° 55' 35.3'' / 109° 40' 39.6''	317	317	U	U		12/17/14	201.9	4106.1	V		
315525109421501	D-17-26 28CAD	625596	4290	31° 55' 25.1'' / 109° 42' 15.2''	500	500	W	I		12/17/14	39.9	4250.1	V		
315500109404001	D-17-26 34AAD	625595	4312	31° 55' 2.2'' / 109° 40' 39.8''	406	406	W	I		12/17/14	207.1	4104.9	V		
315434109412501	D-17-26 34CAC3		4308	31° 54' 34.2'' / 109° 41' 22.36''			U	U		12/17/14	258.9	4049.1	V		
315509109401001	D-17-26 35BAA	627810	4320	31° 55' 10.9'' / 109° 40' 9.1''	1065	1065	W	I		12/11/14			Z	Z	UTM- BEES
315508109384001	D-17-26 36AAA	616190	4352	31° 55' 5.3'' / 109° 38' 36.8''	794	794	U	U		12/11/14			Z	Z	UTM-MP BLOCKED
315448109384101	D-17-26 36ADD	616191	4354	31° 54' 48'' / 109° 38' 37''	700	700	U	U		12/11/14			Z		UTM-BEES
315434109391101	D-17-26 36CAD	805467	4344	31° 54' 33.1'' / 109° 39' 7.2''	470	470	U	U		12/11/14	246.6	4097.4	V		
315435109384101	D-17-26 36DAD	616192	4355	31° 54' 33'' / 109° 38' 37''	529	529	U	U		12/11/14			Z	Z	UTM-MP BLOCKED
315922109323001	D-17-27 01AAD	609166	4622	31° 59' 22.3'' / 109° 32' 29.6''	1000	1000	U	U		12/11/14			Z	O	OBSTUCTED AT MP AT TIME OF VISIT.
315845109361601	D-17-27 04CDC	608639	4427	31° 58' 44.3'' / 109° 36' 17.1''	285	285	W	S		12/11/14			Z	Z	UTM - NO ACCESS TO WELL AT TIME OF VISIT.
315825109360501	D-17-27 09BDA	627494	4439	31° 58' 22.4'' / 109° 36' 4''	617	617	U	U		12/11/14			Z	O	OBSTUCTED MP AT TIME OF VISIT.
315837109323101	D-17-27 12AAA		4620	31° 58' 35.1'' / 109° 32' 30.3''			U	U		12/16/14	283.2	4336.8	V		
315837109330301	D-17-27 12BAA	618490	4590	31° 58' 32.7'' / 109° 33' 0.2''	1000	1000	U	U		12/16/14	258.8	4331.2	V		
315707109350501	D-17-27 15CDD		4488	31° 57' 3.9'' / 109° 35' 2.7''	982	982	U	U		12/16/14			Z	P	PUMPING AT TIME OF VISIT. DID NOT OBTAIN MEASUREMENT AT THIS TIME.
315747109360501	D-17-27 16BAA		4439	31° 57' 46.5'' / 109° 36' 4.6''			W	I		12/11/14	317.3	4121.7	V		
315736109361901	D-17-27 16BAC	627497	4426	31° 57' 35.9'' / 109° 36' 19.5''	800	800	U	U		12/11/14			Z	O	OBSTRUCTED MP AT TIME OF VISIT.
315736109373901	D-17-27 18AAD	622870	4378	31° 57' 35.7'' / 109° 37' 37.1''	1000	1000	W	I		12/17/14	280.0	4098.0	V		
315735109380901	D-17-27 18BAD		4362	31° 57' 35.5'' / 109° 38' 7.3''	825	825	U	U		12/17/14			Z	Z	UTM-BEES AT TIME OF VISIT COULD NOT OBTAIN STATIC WATER LEVEL.
315710109373901	D-17-27 18DAD	622871	4378	31° 57' 9.5'' / 109° 37' 37.2''	700	700	U	U		12/17/14			Z	Z	UTM-MP BLOCKED AT TIME OF MEASUREMENT.
315657109373701	D-17-27 18DDD	622872	4374	31° 56' 56.5'' / 109° 37' 37.1''	700	700	U	U		12/17/14			Z	Z	UTM- MP WAS BLOCKED AND THERE WAS NO OTHER ACCESS TO OBTAIN MEASUREMENT.
315643109374001	D-17-27 19AAD	622868	4380	31° 56' 43'' / 109° 37' 37.1''	650	650	U	U		12/16/14	314.9	4065.1	V		
315642109362601	D-17-27 21BAC		4423	31° 56' 43.1'' / 109° 36' 19.2''	951	951	U	U	Inactive	12/10/14			Z	Z	UTM - OWNER DID NOT GIVE PERMISSION TO MEASURE WELL AT TIME OF VISIT.
315640109350901	D-17-27 22BDA		4485	31° 56' 41.8'' / 109° 35' 2.8''	586	586	U	U		12/16/14			Z	Z	NO ACCESS TO WELL AT TIME OF VISIT.

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315602109360701	D-17-27 28BAA	627815	4427	31° 56' 2.7'' / 109° 36' 4.8''	701	701	W	I	Annually	12/10/14			Z	Z	UTM - OWNER DID NOT GIVE PERMISSION
315533109371101	D-17-27 29CAA	604986	4388	31° 55' 30.1'' / 109° 37' 6''	500	500	W	I		12/10/14	293.9	4094.1	V		
315421109380401	D-17-27 31CDD2	618485	4366	31° 54' 22.5'' / 109° 38' 7.4''	502	502	U	U	Annually	12/10/14	297.6	4068.4	V		
315428109375301	D-17-27 31DCA	618484	4372	31° 54' 28.6'' / 109° 37' 52.4''	560	560	W	I		12/10/14			Z	Z	UTM-NO ACCESS
315420109374001	D-17-27 31DDD	618482	4381	31° 54' 23.4'' / 109° 37' 37.3''	555	555	W	I		12/10/14	303.7	4077.3	V		
315454109343001	D-17-27 35BCB	626140	4499	31° 54' 57.4'' / 109° 34' 31.8''	400	400	U	U	Annually	01/08/15	236.6	4262.4	V		
315429109342901	D-17-27 35CCB	626139	4503	31° 54' 31.2'' / 109° 34' 32.1''	400	400	W	I	Inactive	01/08/15			V	O	UTM - REMOVED FROM INDEX LINE DUE TO OBSTRUCTIONS, BEES, AND ACCESS ISSUES.
315845109274901	D-17-28 02DCC1	500539	4958	31° 58' 44.8'' / 109° 27' 48.7''	91	91	W	H		12/03/14			Z	Z	UTM - OWNER ASKED SINCE WELL WAS WINTERIZED NOT TO MEASURE.
315845109275401	D-17-28 02DCC2	505793	4950	31° 58' 44.6'' / 109° 27' 52.6''	97	97	W	S		12/03/14	52.4	4897.6	V		
315920109313501	D-17-28 06AAD	609168	4680	31° 59' 25.3'' / 109° 31' 29.9''	1000	1000	U	U		12/11/14	337.1	4342.9	V		
315908109313001	D-17-28 06ADD	609169	4680	31° 59' 8.9'' / 109° 31' 29.4''	650	650	U	U		12/11/14			Z	Z	UTM - RUSTED BOLT COVERING MP THAT COULD NOT BE REMOVED.
315914109320001	D-17-28 06BDA	609167	4652	31° 59' 16.3'' / 109° 31' 59.6''	1000	1000	W	I		12/11/14			Z	O	OBSTRUCTED AT TIME OF VISIT.
315855109320101	D-17-28 06CDA	616194	4650	31° 58' 47.7'' / 109° 31' 59.5''	1000	1000	W	I	Annually	12/09/14			Z	Z	UTM, BEES IN WELL AT TIME OF VISIT.
315850109313201	D-17-28 06DDA	616195	4681	31° 58' 51'' / 109° 31' 29.9''	1000	1000	U	U		12/11/14			Z	Z	UTM-NO ACCESS AT TIME OF VISIT.
315830109313001	D-17-28 07AAD	629014	4682	31° 58' 31'' / 109° 31' 29.8''	1000	1000	W	I		12/11/14			V	O	OBSTRUCTION AT 38 FEET.
315825109320001	D-17-28 07BDA	629013	4651	31° 58' 24.7'' / 109° 32' 0''	1000	1000	U	U		12/16/14			V	O	OBSTRUCTION AT 307.6 FT FROM LAND SURFACE, COULD NOT GET PASSED.
315727109263301	D-17-28 13ADB	607567	5065	31° 57' 28.3'' / 109° 26' 37.1''	250	250	W	S		12/11/14			Z	P	UTM - PUMPING. WELL REWORKED WITH SUBMERSIBLE/SOLAR. NEW MP (HTCA,W) IS ONLY ACCESSIBLE WITH STEEL TAPE THEREFORE ONLY WANT TO MEASURE WHEN PUMP IS OFF.
315727109263301	D-17-28 13ADB	607567	5065	31° 57' 28.3'' / 109° 26' 37.1''	250	250	W	S		01/08/15	180.2	4884.8	S		
315702109282401	D-17-28 14CCB2		4914	31° 57' 3.2'' / 109° 28' 24.5''			W	S		12/11/14	17.5	4896.5	S		
315848109220701	D-17-29 02CCA2		5350	31° 58' 48.8'' / 109° 22' 8.6''	100	100	W	H		12/16/14	33.4	5316.6	S		
315817109204301	D-17-29 12ACC1		5500	31° 58' 16.6'' / 109° 20' 42.7''			U	U		12/16/14	13.1	5486.9	S		
315818109204301	D-17-29 12ACC2		5515	31° 58' 18.1'' / 109° 20' 43''			U	U		12/16/14	18.9	5496.1	V		
315812109201601	D-17-29 12DAA	609502	5570	31° 58' 12.2'' / 109° 20' 15.8''			W	S		12/17/14	24.0	5546.0	S		BRAKED WM @ 11:30AM, MEASURED @ 1:30PM.
315716109211001	D-17-29 13CBB UNSURV	643183	5688	31° 57' 17.9'' / 109° 21' 11.9''			U	U		12/17/14			Z	Z	UTM - ROAD CONDITIONS.
315745109255301	D-17-29 18BAA	607568	5135	31° 57' 45.3'' / 109° 25' 52.6''	80	80	W	S		12/15/14			Z	Z	UTM - GATE LOCKED.
315832109175301	D-17-30 05CAD	640642	5980	31° 58' 31.1'' / 109° 17' 53.3''	190	190	U	U		12/17/14			Z	Z	UTM - ROAD WASHED OUT FROM FIRE & RECENT RAINS.
315805109183501	D-17-30 07ABD UNSURV	642772	5790	31° 58' 4.7'' / 109° 18' 35.4''			W	S		12/17/14	17.8	5772.2	S		
315408109492201	D-18-25 05BDA	602503	4411	31° 54' 4.4'' / 109° 49' 23.6''	511	511	W	P		12/16/14			Z	Z	UTM - NO ACCESS
315418109390801	D-18-26 01BAA	627829	4343	31° 54' 17.8'' / 109° 39' 7.7''	800	800	W	I		12/10/14			Z	Z	UTM-MP BLOCKED

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315340109383801	D-18-26 01DAD		4357	31° 53' 39.7'' / 109° 38' 38.8''			W	H		12/10/14			Z	Z	UTM-GATE LOCKED
315333109384501	D-18-26 01DDC	504698	8358	31° 53' 32.9'' / 109° 38' 44.7''	323	323	W	H		12/10/14			Z	Z	UTM - NO MP
315413109394201	D-18-26 02AAA	627833	4333	31° 54' 13.3'' / 109° 39' 38.8''	903	903	U	U		12/10/14	294.8	4037.9	V		
315354109394001	D-18-26 02ADD	627831	4335	31° 53' 58.3'' / 109° 39' 38.7''	602	602	W	I		12/10/14	308.1	4026.9	V		
315338109395001	D-18-26 02DAD	627830	4335	31° 53' 45.9'' / 109° 39' 38.6''	1100	1100	W	I		12/10/14			Z	Z	UTM-MP BLOCKED
315313109382201	D-18-26 07BDB		4352	31° 53' 13.4'' / 109° 38' 21.9''			W	H		12/11/14	276.3	4075.7	V		
315257109404401	D-18-26 10DAA	627843	4310	31° 53' 59.9'' / 109° 40' 39.7''	360	360	W	P		12/10/14	267.1	4042.9	V		
315309109394301	D-18-26 11ADA	627835	4333	31° 53' 11.9'' / 109° 39' 38.7''	600	600	U	U		12/10/14	271.9	4061.1	V		
315309109394301	D-18-26 11ADA	627835	4333	31° 53' 11.9'' / 109° 39' 38.7''	600	600	U	U		01/27/15	271.2	4061.8	V		
315322109401001	D-18-26 11BAA	627836	4322	31° 53' 21.2'' / 109° 40' 9''	600	600	W	I		12/10/14	262.1	4059.9	V		
315301109401101	D-18-26 11BDD	627837	4322	31° 53' 2'' / 109° 40' 9''	490	490	W	I		12/10/14			Z	Z	UTM - ACTB, W BLOCKED
315300109395301	D-18-26 11DBA	627845	4330	31° 52' 59.9'' / 109° 39' 53.4''	1000	1000	W	H		12/10/14			Z	Z	UTM - NO MP
315316109390101	D-18-26 12ABC	630723	4345	31° 53' 16.8'' / 109° 39' 2.8''	334	334	W	H		12/09/14	220.3	4124.7	V		
315301109392401	D-18-26 12BCD	601723	4339	31° 53' 1'' / 109° 39' 24''	401	401	W	H		12/10/14			Z	Z	UTM-NO MP
315305109392201	D-18-26 12BDC	613769	4332	31° 53' 4.9'' / 109° 39' 21.6''	220	220	U	U		12/10/14			V		
315300109392401	D-18-26 12CBA	647229	4339	31° 53' 0'' / 109° 39' 24''	375	375	W	H		12/10/14			Z	Z	UTM-NO MP
315259109393601	D-18-26 12CBB	209807	4341	31° 52' 59'' / 109° 39' 35.5''	404	404	W	H		12/09/14	274.5	4066.5	V		
315232109384001	D-18-26 12DDD1	627847	4357	31° 52' 34.1'' / 109° 38' 37.8''	1000	1000	U	U		12/10/14			Z	Z	UTM - LOCKED GATE
315231109391101	D-18-26 13BAA	627848	4345	31° 52' 34.4'' / 109° 39' 7.4''	1003	1003	W	H		12/10/14	278.5	4066.5	V		
315205109383901	D-18-26 13DAA	627846	4355	31° 52' 3.6'' / 109° 38' 37.5''	1000	1000	U	U		12/02/14	289.3	4065.7	V		
315405109370701	D-18-27 05BDA	627839	4396	31° 54' 7.1'' / 109° 37' 6.2''	700	700	W	I		12/16/14			Z	Z	UTM - NOBODY WAS AT TIME OF VISIT.
315340109372801	D-18-27 05CAB		4394	31° 53' 46'' / 109° 37' 14''	400	400	U	U		12/16/14	283.4	4110.6	V		
315334109363601	D-18-27 05DAD		4417	31° 53' 39.7'' / 109° 36' 35.9''			W	I		12/10/14	280.2	4136.8	V		
315410109315201	D-18-27 06AAC	631327	4375	31° 54' 9.9'' / 109° 37' 51.5''	433	433	W	I		12/09/14			Z	Z	UTM- INSIDE CROP CIRCLE/NO ROAD ACCESS
315401109373901	D-18-27 06ADA	605185	4380	31° 54' 4.7'' / 109° 37' 37.2''	700	700	W	I		12/09/14	290.2	4089.8	V		
315346109374301	D-18-27 06DAA		4380	31° 53' 46'' / 109° 37' 44.4''	684	505	W	I		12/09/14			Z	Z	UTM-INSIDE CROP CIRCLE/NO ROAD
315313109381401	D-18-27 07BDB2		4370	31° 53' 13'' / 109° 38' 14.5''			W	H		12/09/14			Z	Z	UTM- NO MP/STEEL PLATE
315235109380801	D-18-27 07CDD2	606067	4372	31° 52' 36'' / 109° 38' 8.5''	360	360	W	T		12/09/14	281.8	4090.2	V		
315318109372101	D-18-27 08BAC	648836	4395	31° 53' 18.8'' / 109° 37' 13.8''	360	360	W	H	Annually	01/27/15	274.1	4120.9	V		
315315109370601	D-18-27 08BAD		4389	31° 53' 14.3'' / 109° 37' 7''			W	H		12/12/14	274.5	4114.5	V		
315316109373501	D-18-27 08BBC		4383	31° 53' 16.8'' / 109° 37' 34.5''			W	H		12/09/14	273.8	4109.2	V		
315306109371001	D-18-27 08BDA	611174	4397	31° 53' 7'' / 109° 37' 9.5''	300	300	W	H		12/09/14			Z	Z	UTM - OWNER NOT HOME AT TIME OF VISIT.
315258109355901	D-18-27 09DBB	85609	4448	31° 52' 57.1'' / 109° 35' 58.7''	330	330	U	U		12/10/14			Z	Z	UTM - NO ACCESS HOLE/MP.
315238109355101	D-18-27 09DCD		4458	31° 52' 37.6'' / 109° 35' 49.6''			U	U		12/09/14			Z	Z	UTM - BEES IN WELL.
315259109334001	D-18-27 11DAB	619250	4559	31° 52' 59'' / 109° 33' 40''	370	370	W	H		12/16/14			Z	Z	UTM - LOCKED GATES AT TIME OF VISIT NO ACCESS.
315230109342701	D-18-27 14BBB	632318	4518	31° 52' 31'' / 109° 34' 27''	300	300	W	H		12/16/14	240.0	4278.0	V		
315232109365201	D-18-27 17ABA	502497	4413	31° 52' 32'' / 109° 36' 52''	323	323	W	H		12/10/14	262.8	4150.2	V		
315225109373801	D-18-27 18AAD	508149	4388	31° 52' 28.2'' / 109° 37' 37.7''	342	342	W	H		12/02/14	274.9	4113.1	V		
325136109380401	D-18-27 19ABB	527028	4377	31° 51' 40.4'' / 109° 38' 2.8''	325	321	W	S		12/01/14	287.9	4089.1	V		
315137109382501	D-18-27 19BBA	510623	4364	31° 51' 37'' / 109° 38' 25''	331	331	W	H		12/02/14	280.6	4083.4	V		
315053109364501	D-18-27 20DDC	514841	4416	31° 50' 55.7'' / 109° 36' 43''	395	395	W	H		12/02/14	294.0	4122.0	V		
315125109344701	D-18-27 22ADB	504069	4512	31° 51' 22.8'' / 109° 34' 45.6''	330	330	W	H		12/02/14	249.3	4262.7	V		
315108109344201	D-18-27 22DAC		4520	31° 51' 6.7'' / 109° 34' 42.9''			W	H		12/02/14	255.4	4264.6	V		
315027109325601	D-18-27 25ACC2	807053	4635	31° 50' 27'' / 109° 32' 55''	365	365	W	H		12/09/14	232.9	4402.1	V		
315041109363101	D-18-27 29AAD	529992	4455	31° 50' 42.3'' / 109° 36' 38.1''	420	420	W	H		12/02/14	305.5	4149.5	V		
315409109264601	D-18-28 01ABC	607564	5135	31° 54' 9.1'' / 109° 26' 46.5''	80	80	W	S		01/08/15	5.3	5129.7	S		
315409109264601	D-18-28 01ABC	607564	5135	31° 54' 9.1'' / 109° 26' 46.5''	80	80	W	S		12/11/14			Z	Z	UTM - GATE LOCKED

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
315333109274601	D-18-28 02DCA	632766	5024	31° 53' 33'' / 109° 27' 46''	300	300	W	H		12/12/14			Z	Z	UTM - LOCKED GATE.
315336109273601	D-18-28 02DDB	627465	5040	31° 53' 36'' / 109° 27' 36''	900	900	W	H		12/12/14			Z	Z	UTM - NEW PUMP INSTALLED 2 YEARS AGO. WIRE IS BLOCKING ACCESS POINT, HISP.
315329109312701	D-18-28 05CCC2		4710	31° 53' 27'' / 109° 31' 24.2''	407	407	W	H		12/03/14	365.0	4345.0	V		
315344109314801	D-18-28 06DBD	601299	4682	31° 53' 45'' / 109° 31' 49.7''	438	438	W	H		12/03/14	346.5	4335.5	V		
315235109320001	D-18-28 07CDD	632886	4660	31° 52' 37.3'' / 109° 32' 3''	442	442	U	U		12/03/14	318.9	4341.1	V		
315321109311701	D-18-28 08BBA		4718	31° 53' 20.3'' / 109° 31' 16.6''			U	U		12/03/14	369.8	4348.2	V		
315308109305901	D-18-28 08BDA2	631806	4743	31° 53' 7.7'' / 109° 31' 5''	468.5	468.5	W	H		12/03/14	383.6	4359.4	V		
315319109292801	D-18-28 09AAA	607565	4855	31° 53' 19'' / 109° 29' 28''	60	60	W	H		12/15/14			Z	Z	UTM - UNABLE TO LOCATE, MAY BE DESTROYED.
315317109284901	D-18-28 10ABC		4915	31° 53' 16.6'' / 109° 28' 48.4''			W	S		12/16/14	10.9	4904.1	V		
315244109284901	D-18-28 10DCB		4940	31° 52' 44'' / 109° 28' 49''	610		W	H		12/12/14			Z	Z	UTM - GATE LOCKED, NO ACCESS TO PROPERTY.
315255109275801	D-18-28 11CAA		5020	31° 52' 55.9'' / 109° 27' 0.5''	80	80	W	H		12/12/14	57.8	4962.2	S		WELL LAST PUMPED IN SUMMER; NEARBY WELL LAST PUMPED TWO WEEEKS AGO.
315211109263701	D-18-28 13ADC	637514	5190	31° 52' 10.4'' / 109° 26' 35.3''	60	60	W	H		12/15/14	5.6	5184.4	V		
315204109272301	D-18-28 13CBB	580629	5090	31° 52' 3.9'' / 109° 27' 22.8''	893	893	U	U		01/09/15	698.9	4391.1	V		
315230109275501	D-18-28 14BAA1	801786	5035	31° 52' 29.7'' / 109° 27' 54.8''	50	50	W	H		12/16/14	9.7	5025.3	V		
315232109291301	D-18-28 15BBA	808474	4910	31° 52' 31.7'' / 109° 29' 12.3''			W	H		01/09/15	530.0	4380.0	V		LAST PUMPED IN AUGUST 2014. PUMPED 58,000 GALS FOR JERRY SANDERS, FIVE MILES EAST ON TURKEY CREEK, AS HIS WELL WENT DRY OVER SUMMER.
315151109292901	D-18-28 16DDA		4885	31° 51' 51'' / 109° 29' 29''			W	H		12/16/14	494.7	4390.3	V		
315228109310301	D-18-28 17BAA	505333	4742	31° 52' 25.9'' / 109° 31' 1.9''	496	496	W	H	Annually	12/03/14	382.3	4359.7	V		
315209109311801	D-18-28 17CBA2		4729	31° 52' 7'' / 109° 31' 16.6''	536	536	W	H		12/03/14	359.4	4369.6	V		
315135109312201	D-18-28 20BBC	632945	4721	31° 51' 33.8'' / 109° 31' 24.8''	370	370	W	H		12/03/14			Z	Z	UTM-NO ACCESS
315106109291001	D-18-28 22CAC	645298	4900	31° 51' 7'' / 109° 29' 10''	632	632	W	S		01/07/15	488.3	4411.7	V		
315327109312501	D-18-28-05CCC3		4710	31° 53' 26.9'' / 109° 31' 24.6''			U	S		12/03/14	360.5	4349.5	V		
315155109250201	D-18-29 17CAC	637474	5380	31° 51' 55'' / 109° 25' 2''	32	32	W	H		12/16/14	5.5	5374.5	V		
315207109254001	D-18-29 18ACD	637453	5300	31° 52' 7'' / 109° 25' 40''	30	30	U	U		12/16/14	13.5	5286.5	S		
315136109252601	D-18-29 19AAA	637455	5307	31° 51' 36'' / 109° 25' 26''	32	32	W	S		12/16/14	5.5	5301.5	V		
315104109252401	D-18-29 19DAD	806524	5322	31° 51' 4'' / 109° 25' 24''	30	30	W	H		12/05/14			Z	P	UTM - PUMPING.
315102109252501	D-18-29 19DDA	212808	5320	31° 51' 1.8'' / 109° 25' 25''	895	895	W	H		12/05/14	11.5	5308.5	V		
315055109253501	D-18-29 19DDB	207253	5300	31° 50' 54.9'' / 109° 25' 35.3''	395	395	W	H		12/05/14			Z	P	UTM - PUMPING.
315052109253401	D-18-29 19DDC2		5285	31° 50' 52'' / 109° 25' 34''	10	10	W	I		12/05/14	4.7	5280.3	S		
315054109253101	D-18-29 19DDC3		5290	31° 50' 53.7'' / 109° 25' 30.7''			W	U		12/05/14	11.6	5278.4	S		
315054109253401	D-18-29 19DDC4		5290	31° 50' 54'' / 109° 25' 34''			W	H		12/05/14			Z	W	WELL DESTROYED ACCORDING TO PREVIOUS OWNER MS. SMITH.
315100109251701	D-18-29 20CCB	806523	5330	31° 51' 0'' / 109° 25' 17''	40	40	W	I		12/05/14	14.2	5315.8	V		
314534109531501	D-19-24 22DCC2		5450	31° 45' 37'' / 109° 53' 15''	130	130	U	U		01/06/15			Z	Z	UTM - NO ACCESS TO PROPERTY
314528109533001	D-19-24 27BAB	805683	5356	31° 45' 33.6'' / 109° 53' 22.9''	550	550	W	H		01/06/15			Z	Z	UTM - NO ACCESS TO PROPERTY
314757109300401	D-19-28 08ABD2	214474	4934	31° 47' 57.1'' / 109° 30' 3.7''	600	600	W	H		12/04/14	454.8	4479.2	V		
314436109290101	D-19-28 28DCD	628614	4978	31° 44' 36'' / 109° 29' 1''	166	166	U	U		12/17/14	57.2	4920.8	V		
314428109280101	D-19-28 34AAD	220026	5070	31° 44' 28.4'' / 109° 28' 0.6''	700	700	W	S		12/17/14	401.8	4668.2	V		

Appendix 10. Willcox Basin initial dataset water level measurements Water Year 2015.

SITE ID	CADASTRAL	REG ID (55)	SITE ALTITUDE [ft amsl]	LAT / LONG [NAD 27]	HOLE DEPTH [ft]	WELL DEPTH [ft]	SITE USE$_1$	WATER USE$_2$	WELL TYPE	WL DATE	WL [ft]	WL ELEVATION [ft]	METHOD$_3$	REMARK$_4$	COMMENT
314430109280601	D-19-28 34ABD	642409	5060	31° 44' 26'' / 109° 28' 6''	28	28	W	S		12/17/14			Z	W	
314430109264601	D-19-28 35AAA		5040	31° 44' 34'' / 109° 26' 46''			W	S		01/07/15			Z	Z	UTM - WELL COVERED BY DIRT - NO ACCESS.
314458109305101	D-19-28E30DAA	628618	4845	31° 45' 0.1'' / 109° 30' 49.5''			W	H		12/04/14	41.0	4804.0	V		
314502109310201	D-19-28E30DAB	628612	4850	31° 45' 0.3'' / 109° 30' 54.8''	295	295	W	H		12/04/14	29.8	4820.2	V		
314700109245801	D-19-29 18ABD UNSURV	806009	5680	31° 47' 0'' / 109° 24' 58''	110	110	U	U		01/06/15			Z	Z	UTM - WELL CAPPED, NO ACCESS. OWNER WILLING TO HAVE DRILLED FOR ACCESS.
314527109221201	D-19-29 22CDD	642749	5550	31° 45' 27.4'' / 109° 22' 12.2''	164	164	U	U		01/06/15	7.3	5542.8	S		
314500109235101	D-19-29 29DAB		5400	31° 45' 0'' / 109° 23' 51''			U	U		01/06/15			Z	Z	UTM - UNABLE TO LOCATE
314517109244201	D-19-29 30ADA	641178	5325	31° 45' 16.6'' / 109° 24' 42.5''	80	80	W	S		01/06/15	10.0	5315.0	S		PUMPED LAST NIGHT
314300109283801	D-20-28 03CCA	805966	5030	31° 43' 0'' / 109° 28' 38''	20	20	U	U		01/07/15			V	D	DRY OR OBSTRUCTED @ 8.4 FEET.
314158109293101	D-20-28 09CDC	645295	5200	31° 41' 58'' / 109° 29' 31''	51	51	U	U		01/07/15	31.3	5168.7	S		
314106109265401	D-20-28 14DDA	611833	5105	31° 41' 11.6'' / 109° 26' 52.8''	1050	1050	W	S		01/08/15	206.1	4898.9	V		
314029109291801	D-20-28 21CAD1	805887	5185	31° 40' 29.1'' / 109° 29' 18.6''	40		U	U		01/08/15	9.5	5175.5	S		
314030109291801	D-20-28 21CAD2	805886	5185	31° 40' 27.3'' / 109° 29' 16.8''	30	30	W	S		01/08/15	9.5	5175.5	S		
314027109291701	D-20-28 21DBC	611838	5180	31° 40' 27.3'' / 109° 29' 16.8''	30		U	U		01/08/15			Z	Z	UTM - NO ACCESS, METAL COVER WELDED ON TOP WITHOUT ACCESS HOLE.
313925109274101	D-20-28 26CCB	611842	4940	31° 39' 27.9'' / 109° 27' 41.8''	30	30	W	S		01/07/15	7.9	4932.1	S		
313952109274801	D-20-28 27ADA	611834	4960	31° 39' 55'' / 109° 27' 48''	35	35	W	S		01/07/15	5.8	4954.2	S		
313949109285701	D-20-28 28ADC	611839	5075	31° 39' 48.6'' / 109° 28' 57.6''	200	200	W	S		01/08/15	8.0	5067.0	S		
313839109291001	D-20-28 33DCA	611840	4990	31° 38' 39'' / 109° 29' 10''	30		W	S		01/08/15	14.6	4975.4	S		
314018109250401	D-20-29 19DCA	611844	5290	31° 40' 17.1'' / 109° 25' 3''			W	S		01/08/15	30.4	5259.6	S		
313728109280601	D-21-28 11BAB	607263	4820	31° 37' 28.4'' / 109° 28' 5.4''	230	230	W	S		01/29/15			Z	Z	UTM - PUMPING
313712109281301	D-21-28 11BCA1	607268	4810	31° 37' 15.9'' / 109° 28' 12''	52	52	W	S		01/29/15	34.5	4775.5	V	S	11BCA2 PUMPING
313721109281301	D-21-28 11BCA2	607269	4810	31° 37' 16.2'' / 109° 28' 12.1''	85	85	W	S		01/29/15			Z	P	UTM - PUMPING
313523109293001	D-21-28 21ADD	607267	4685	31° 35' 22.9'' / 109° 29' 29.3''	50	50	W	S		01/29/15	11.5	4673.5	S		
313533109301801	D-21-28 21BCB	203421	4648	31° 35' 29.87'' / 109° 30' 18''	25	24.5	O	O	Transducer	10/08/14	2.3	4645.5	VT		
313533109301801	D-21-28 21BCB	203421	4648	31° 35' 29.87'' / 109° 30' 18''	25	24.5	O	O	Transducer	01/08/15	1.5	4646.3	VT		
313535109284901	D-21-28 22ABC	607265	4715	31° 35' 35.1'' / 109° 28' 49.9''	65	65	W	S		01/29/15	20.1	4694.9	V		
313527109285401	D-21-28 22BDA	607266	4715	31° 35' 29.8'' / 109° 28' 55.54''	65	65	W	S		01/29/15	17.3	4697.7	S		
313528109285401	D-21-28 22BDD1	585666	4720	31° 35' 28.5'' / 109° 28' 54.3''	622	73	W	H		01/29/15			Z	Z	UTM - WINTERIZED.
313528109285402	D-21-28 22BDD2	557605	4720	31° 35' 28.2'' / 109° 28' 54.3''	460	118	W	H		01/29/15			Z	Z	UTM - WINTERIZED
313526109275701	D-21-28 23BDD	221469	4780	31° 35' 25.9'' / 109° 27' 57.1''	504	500	W	S		01/29/15	29.4	4750.6	S		
313438109243301	D-21-29 29ADB UNSURV	607264	5040	31° 34' 35.8'' / 109° 24' 27''			U	U		01/29/15			Z	Z	UTM - ROAD WASHED OUT, UNABLE TO GET TO.

1. * = Undetermind, O = Observation, U = Unused, W = Withdrawal, Z = Well Destroyed
2. * = Undetermind, H = Domestic, I = Irrigation, N = Industrial, O = Observation, P = Public Supply, S = Stock, T = Institution, U = Unused, Z = Other
3. O = Observed, R = Reported, S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape, VT = A.D.W.R calibrated electric tape, Z = Other (explain in comments)
4. D = Dry, K = Cascading Water, M = Well Pluged, O = Obstruction, P = Pumping, R = Recently Pumped, S = Nearby Pumping, V = Foreign Material (oil), W = Well Destroyed, Z = Other

Appendix 11

Willcox Basin groundwater level change data for each comparable water level measurement.

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
323313110125001	D-10-21 20ACA	4859	13-Dec-05	729.6	4129.4		V		07-Jan-15	741.1	4117.9		V		-11.5
323224110130601	D-10-21 29ACB	4864	13-Dec-05	638.9	4225.1		V		07-Jan-15	645.5	4218.5		V		-6.6
323423110052001	D-10-22 10CCD	4450	09-Dec-05	299.5	4150.5		V		03-Dec-14	316.8	4133.2		V		-17.3
323140110033501	D-10-22 35AAA	4424	08-Dec-05	295.8	4128.2		V		03-Dec-14	317.6	4106.4		V		-21.8
323055110042701	D-10-22 35CCC1	4452	08-Dec-05	326.5	4125.5		V		03-Dec-14	347.5	4104.5		V		-21
323113110035801	D-10-22 35DBB	4436	08-Dec-05	308.6	4127.4		V		03-Dec-14	330.5	4105.5		V		-21.9
323120110031101	D-10-22 36BDC2	4411	08-Dec-05	284.9	4126.1		V		03-Dec-14	307.3	4103.7		V		-22.4
323055110032701	D-10-22 36CCB	4419	08-Dec-05	295.1	4123.9		V		03-Dec-14	317.1	4101.9		V		-22
323511109591401	D-10-23 10BBA	4543	12-Dec-05	403.3	4139.7		V		11-Dec-14	424.4	4118.6		V		-21.1
323507109573801	D-10-23 11ABA	4539	15-Mar-06	412.6	4126.4		V		23-Dec-14	438.1	4100.9		V		-25.5
323301109595201	D-10-23 21DBB	4440	13-Dec-05	236.7	4203.3		V		24-Dec-14	230.6	4209.4		V		6.1
323224109581201	D-10-23 26BBD	4465	13-Dec-05	359.6	4105.4		V		24-Dec-14	386.2	4078.8		V		-26.6
323232110001501	D-10-23 28BBA	4429	09-Dec-05	306.4	4122.6		V		06-Jan-15	332.7	4096.3		V		-26.3
323220110004501	D-10-23 29ACD	4413	09-Dec-05	295.3	4117.7		V		06-Jan-15	319.5	4093.5		V		-24.2
323134110022401	D-10-23 31BCB	4388	08-Dec-05	262.4	4125.6		V		03-Dec-14	284.2	4103.8		V		-21.8
323139109595901	D-10-23 33BAA	4428	14-Dec-05	319.1	4108.9		V		23-Dec-14	344.9	4083.1		V		-25.8
323114110002201	D-10-23 33CBB	4421	09-Dec-05	310.4	4110.6		V		06-Jan-15	335.9	4085.1		V		-25.5
323116109594301	D-10-23 33DBA	4421	13-Dec-05	314.8	4106.2		V		22-Dec-14	340.5	4080.5		V		-25.7
323313109523301	D-10-24 22ACA	4884	13-Dec-05	239.6	4644.4		V		24-Dec-14	252.8	4631.2		V		-13.2
323122109522401	D-10-24 34ADC	4830	13-Dec-05	166.6	4663.4		V		06-Jan-15	174.8	4655.2		V		-8.2
323043110092501	D-11-21 01ABB	4658	08-Dec-05	53.6	4604.4		V		07-Jan-15	68.3	4589.7		V		-14.7
323043110094801	D-11-21 01BBD	4653	08-Dec-05	50.8	4602.2		V		07-Jan-15	58.1	4594.9		V		-7.3
322936110105801	D-11-21 11BCC	4755	13-Dec-05	60.4	4694.6		V		05-Dec-14	56.4	4698.6		V		4
323051110032801	D-11-22 01BAB	4418	08-Dec-05	330.2	4087.8		V		03-Dec-14	314.4	4103.6		V		15.8
323051109593501	D-11-23 03BBA	4409	13-Dec-05	305.1	4103.9		V		17-Dec-14	332.1	4076.9		V		-27
323013109585501	D-11-23 03DAC	4398	14-Dec-05	297.3	4100.7		V		17-Dec-14	322.5	4075.5		V		-25.2
323051110000101	D-11-23 04ABA	4410	08-Dec-05	300.8	4109.2		V		06-Jan-15	325.6	4084.4		V		-24.8
323048110004801	D-11-23 05AAA	4402	08-Dec-05	292.1	4109.9		V		06-Jan-15	316.4	4085.6		V		-24.3
323038110022601	D-11-23 06BDB	4382	08-Dec-05	262.6	4119.4		V		03-Dec-14	285.5	4096.5		V		-22.9
322956110010401	D-11-23 08AAB	4383	07-Dec-05	269	4114		V		02-Dec-14	292.1	4090.9		V		-23.1
322956109584501	D-11-23 10AAA	4398	29-Nov-05	296	4102		V		11-Dec-14	322.5	4075.5		V		-26.5
322956109585201	D-11-23 10ABA	4397	29-Nov-05	293	4104		V		11-Dec-14	317.5	4079.5		V		-24.5
322956109593001	D-11-23 10BBA	4392	29-Nov-05	266.4	4125.6		V		11-Dec-14	309.3	4082.7		V		-42.9
322931109584401	D-11-23 10DAA	4387	29-Nov-05	303.4	4083.6		V		11-Dec-14	326.4	4060.6		V		-23
322958109581401	D-11-23 11BAA	4407	29-Nov-05	311	4096		V		11-Dec-14	335.2	4071.8		V		-24.2
322930109571401	D-11-23 12CAA	4417	29-Nov-05	333.7	4083.3		V		11-Dec-14	372	4045		V		-38.3
322930109564201	D-11-23 12DAA	4432	29-Nov-05	346.2	4085.8		V		11-Dec-14	381.5	4050.5		V		-35.3
322905109571201	D-11-23 13BAA	4402	29-Nov-05	319	4083		V		11-Dec-14	344.5	4057.5		V		-25.5
322905109574301	D-11-23 14AAA	4387	30-Nov-05	302.3	4084.7		V		11-Dec-14	329.4	4057.6		V		-27.1
322907110575501	D-11-23 14ABA	4382	30-Nov-05	295	4087		V		11-Dec-14	320.9	4061.1		V		-25.9
322904109580601	D-11-23 14ABB	4379	30-Nov-05	291.7	4087.3		V		11-Dec-14	319.5	4059.5		V		-27.8
322905109593801	D-11-23 15BBB	4369	30-Nov-05	263.6	4105.4		V		12-Dec-14	288	4081		V		-24.4
322838110010901	D-11-23 17ACD	4349	12-Dec-05	232.9	4116.1		V		02-Dec-14	261.5	4087.5		V		-28.6
322810109595401	D-11-23 21AAA	4341	30-Nov-05	238.8	4102.2		V		12-Dec-14	149.5	4191.5		V		89.3
322753109591501	D-11-23 22ACC	4335	02-Dec-05	262.5	4072.5		V		15-Dec-14	280.6	4054.4		V		-18.1
322802109573401	D-11-23 24BBC	4352	13-Dec-05	265.9	4086.1		V		17-Dec-14	295	4057		V		-29.1
322620109564101	D-11-23 25AAA	4346	30-Nov-05	265.6	4080.4		V		15-Dec-14	292.4	4053.6		V		-26.8
322722109565601	D-11-23 25ABA	4338	09-Dec-05	248	4090		V		15-Dec-14	285.4	4052.6		V		-37.4
322656109570901	D-11-23 25CAA	4316	30-Nov-05	245.2	4070.8		V		15-Dec-14	269.9	4046.1		V		-24.7
322722109585401	D-11-23 27AAB	4322	30-Nov-05	246.5	4075.5		V		15-Dec-14	271	4051		V		-24.5
322721109594101	D-11-23 27BBA	4322	30-Nov-05	241.9	4080.1		V		15-Dec-14	266.6	4055.4		V		-24.7
322630109572801	D-11-23 36BBA	4302	30-Nov-05	230.7	4071.3		V		16-Dec-14	255.4	4046.6		V		-24.7
322904109544001	D-11-24 17AAA	4495	29-Nov-05	417.5	4077.5		V		16-Dec-14	450.4	4044.6		V		-32.9
322904109553901	D-11-24 18AAA	4445	29-Nov-05	368.6	4076.4		V		16-Dec-14	399	4046		V		-30.4
322746109554101	D-11-24 19DAD	4384	08-Dec-05	308.6	4075.4		V		16-Dec-14	339.8	4044.2		V		-31.2
322813109550901	D-11-24 20ABB	4429	29-Nov-05	359.1	4069.9		V		16-Dec-14	393.6	4035.4		V		-34.5

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
322719109543901	D-11-24 29AAA	4416	29-Nov-05	350.2	4065.8		V		16-Dec-14	387.6	4028.4		V		-37.4
322719109551001	D-11-24 29BAA	4389	29-Nov-05	322.2	4066.8		V		16-Dec-14	357.8	4031.2		V		-35.6
322654109551101	D-11-24 29CAA	4376	29-Nov-05	302.3	4073.7		V		16-Dec-14	336.8	4039.2		V		-34.5
322654109545501	D-11-24 29DAB	4391	29-Nov-05	323.5	4067.5		V		17-Dec-14	359.4	4031.6		V		-35.9
322718109554101	D-11-24 30AAA	4369	30-Nov-05	296	4073		V		17-Dec-14	328.1	4040.9		V		-32.1
322722109562301	D-11-24 30BAB	4346	30-Nov-05	272.3	4073.7		V		17-Dec-14	298.5	4047.5		V		-26.2
322627109551101	D-11-24 32BAA	4353	08-Dec-05	274.6	4078.4		V		17-Dec-14	309.7	4043.3		V		-35.1
322601109551101	D-11-24 32CAA	4330	29-Nov-05	262.3	4067.7		V		17-Dec-14	294	4036		V		-31.7
322555109460001	D-11-25 35CAD	4915	06-Dec-05	285.1	4629.9		V		07-Jan-15	339.5	4575.5		V		-54.4
322538109591001	D-12-23 03ABB	4294	30-Nov-05	213.4	4080.6		V		10-Dec-14	245.4	4048.6		V		-32
322430110001001	D-12-23 09ABC	4326	07-Dec-05	224.6	4101.4		V		06-Jan-15	252.7	4073.3		V		-28.1
322408110001101	D-12-23 09DBC	4318	07-Dec-05	220	4098		V		06-Jan-15	244.2	4073.8		V		-24.2
322441109583601	D-12-23 11BBB	4285	30-Nov-05	203	4082		V		10-Dec-14	224.8	4060.2		V		-21.8
322407109573501	D-12-23 12CBC	4275	30-Nov-05	215.9	4059.1		V		10-Dec-14	239.2	4035.8		V		-23.3
322415109565401	D-12-23 12DBA1	4275	01-Dec-05	217.9	4057.1		V		10-Dec-14	232.5	4042.5		V		-14.6
322344109570301	D-12-23 13BAD	4270	01-Dec-05	207.5	4062.5		V		10-Dec-14	231.8	4038.2		V		-24.3
322349109580601	D-12-23 14ABB	4269	01-Dec-05	197	4072		V		10-Dec-14	222.3	4046.7		V		-25.3
322323109583601	D-12-23 14CBB	4272	01-Dec-05	188.5	4083.5		V		09-Dec-14	225	4047		V		-36.5
322315109580801	D-12-23 14DBC	4264	01-Dec-05	195.2	4068.8		V		09-Dec-14	224.6	4039.4		V		-29.4
322214109573401	D-12-23 24CCC	4257	28-Nov-05	181.3	4075.7		V		01-Dec-14	205.4	4051.6		V		-24.1
322207109564801	D-12-23 25AAA	4248	28-Nov-05	176.4	4071.6		V		01-Dec-14	208.9	4039.1		V		-32.5
322207109570201	D-12-23 25ABB2	4248	28-Nov-05	171.7	4076.3		V		01-Dec-14	198.6	4049.4		V		-26.9
322038110014801	D-12-23 31DAD	4740	13-Dec-05	645.3	4094.7		V		16-Dec-14	674.2	4065.8		V		-28.9
322001109564901	D-12-23 36DDC	4237	13-Dec-05	150	4087		V		09-Dec-14	162.6	4074.4		V		-12.6
322508109543501	D-12-24 05DAA	4313	01-Dec-05	241	4072		V		11-Dec-14	244.2	4068.8		V		-3.2
322447109553701	D-12-24 07AAA	4281	01-Dec-05	206.2	4074.8		V		10-Dec-14	233.4	4047.6		V		-27.2
322420109553101	D-12-24 08CBB	4269	02-Dec-05	196.3	4072.7		V		17-Dec-14	213	4056		V		-16.7
322337109560201	D-12-24 18ACB	4261	01-Dec-05	203.4	4057.6		V		17-Dec-14	224	4037		V		-20.6
322059109555001	D-12-24 19AAB3	4254	08-Dec-05	189.6	4064.4		V		17-Dec-14	218.4	4035.6		V		-28.8
322220109553201	D-12-24 20CBC	4245	01-Dec-05	180.5	4064.5		V		02-Dec-14	207.3	4037.7		V		-26.8
322204109523501	D-12-24 27AAA	4275	01-Dec-05	224.9	4050.1		V		02-Dec-14	266.5	4008.5	V	V	SOME OIL	-41.6
322144109533301	D-12-24 28ADD	4238	01-Dec-05	170.5	4067.5		V		02-Dec-14	214.9	4023.1		V		-44.4
322204109550801	D-12-24 29ABB	4240	01-Dec-05	173.1	4066.9		V		02-Dec-14	197.7	4042.3		V		-24.6
322143109553201	D-12-24 29CBB3	4237	01-Dec-05	166.5	4070.5		V		02-Dec-14	198.6	4038.4		V		-32.1
322142109561301	D-12-24 30CAB1	4241	01-Dec-05	165.2	4075.8		V		02-Dec-14	191.2	4049.8		V		-26
322143109563601	D-12-24 30CBB	4243	01-Dec-05	174.9	4068.1		V		02-Dec-14	204.8	4038.2		V		-29.9
322112109560301	D-12-24 31ABB1	4236	05-Dec-05	159.3	4076.7		V		02-Dec-14	186.7	4049.3		V		-27.4
322112109562201	D-12-24 31BBA1	4237	05-Dec-05	161.8	4075.2		V		02-Dec-14	189.7	4047.3		V		-27.9
322113109550001	D-12-24 32ABB2	4230	05-Dec-05	156.5	4073.5		V		02-Dec-14	184.6	4045.4		V		-28.1
322038109553501	D-12-24 32CCB	4227	05-Dec-05	157.7	4069.3		V		02-Dec-14	177.4	4049.6		V		-19.7
322038109550301	D-12-24 32DCB	4224	05-Dec-05	149.3	4074.7		V		02-Dec-14	175.6	4048.4		V		-26.3
322117109542401	D-12-24 33BBA	4228	06-Dec-05	151.9	4076.1		V		02-Dec-14	179.6	4048.4		V		-27.7
322051109543401	D-12-24 33CBB2	4226	06-Dec-05	148.3	4077.7		V		02-Dec-14	176.7	4049.3		V		-28.4
322037109543401	D-12-24 33CCB	4223	06-Dec-05	141.3	4081.7		V		02-Dec-14	177.4	4045.6		V		-36.1
322048109535901	D-12-24 33DBB	4225	06-Dec-05	147.2	4077.8		V		02-Dec-14	172.8	4052.2		V		-25.6
322040109530301	D-12-24 34CAD	4224	06-Dec-05	157.8	4066.2		V		02-Dec-14	191.4	4032.6		V		-33.6
322048109523101	D-12-24 34DAA	4229	06-Dec-05	150.7	4078.3		V		02-Dec-14	170.9	4058.1	K	V		-20.2
322526109473401	D-12-25 04AAD	4754	06-Dec-05	293.7	4460.3		V		07-Jan-15	294.6	4459.4		V		-0.9
322439109455201	D-12-25 11ABB	4759	06-Dec-05	185	4574		V		07-Jan-15	176.4	4582.6		V		8.6
322315109462201	D-12-25 14CBC	4604	05-Dec-05	218.3	4385.7		V		07-Jan-15	218.6	4385.4		V		-0.3
322020110010201	D-13-23 05ABA	4630	13-Dec-05	538.1	4091.9		V		16-Dec-14	571.6	4058.4		V		-33.5
322008109523401	D-13-24 03ADA	4219	28-Nov-05	131	4088		V		10-Dec-14	148	4071		V		-17
322023109551301	D-13-24 05BAB2	4224	07-Dec-05	141	4083		V		10-Dec-14	172.8	4051.2		V		-31.8
322025109553501	D-13-24 05BBB1	4226	07-Dec-05	146.9	4079.1		V		09-Dec-14	167	4059		V		-20.1
321941109553101	D-13-24 05CCB2	4221	30-Nov-05	145.6	4075.4		V		03-Dec-14	161.1	4059.9		V		-15.5
321925109560501	D-13-24 07ACB2	4222	07-Dec-05	138	4084		V		03-Dec-14	150.5	4071.5		V		-12.5

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
321933109545001	D-13-24 08ABA	4217	07-Dec-05	140.9	4076.1		V		10-Dec-14	159.3	4057.7		V		-18.4
321931109550301	D-13-24 08ABB	4216	07-Dec-05	141.1	4074.9		V		10-Dec-14	157.4	4058.6		V		-16.3
321933109535801	D-13-24 09ABB2	4216	07-Dec-05	135.4	4080.6		V		10-Dec-14	155.8	4060.2		V		-20.4
321838109532801	D-13-24 15BBB	4208	08-Dec-05	115.5	4092.5		V		03-Dec-14	132.7	4075.3		V		-17.2
321814109531401	D-13-24 15CAB	4204	08-Dec-05	100.9	4103.1		V		03-Dec-14	114.4	4089.6		V		-13.5
321834109543001	D-13-24 16BBB	4212	28-Nov-05	125.6	4086.4		V		03-Dec-14	141.5	4070.5		V		-15.9
321827109553401	D-13-24 17BCB	4213	07-Dec-05	124.7	4088.3		V		03-Dec-14	136.7	4076.3		V		-12
321825109551701	D-13-24 17BDB	4210	07-Dec-05	124.7	4085.3		V		03-Dec-14	136.4	4073.6		V		-11.7
321810109553401	D-13-24 17CBB	4212	07-Dec-05	122.1	4089.9		V		03-Dec-14	132	4080		V		-9.9
321840109554301	D-13-24 18AAB	4214	07-Dec-05	129.5	4084.5		V		03-Dec-14	140.6	4073.4		V		-11.1
321800109560601	D-13-24 18DCB	4213	07-Dec-05	121.4	4091.6		V		03-Dec-14	148.5	4064.5		V		-27.1
321655109531201	D-13-24 27BAA	4194	08-Dec-05	75.5	4118.5		V		03-Dec-14	81.4	4112.6		V		-5.9
321601109525801	D-13-24 34ABB	4187	12-Dec-05	62.8	4124.2		V		03-Dec-14	68.1	4118.9		V		-5.3
321732109472401	D-13-25 21ADA	4219	07-Dec-05	136.7	4082.3		V		17-Dec-14	160.5	4058.5		V		-23.8
321720109472301	D-13-25 22CBB	4208	07-Dec-05	101	4107		V		17-Dec-14	104.5	4103.5		V		-3.5
321627109502101	D-13-25 30CBB2	4179	02-Dec-05	51	4128		V		15-Dec-14	54.3	4124.7		V		-3.3
321336110032801	D-14-22 12CDC	4650	14-Dec-05	115.5	4534.5		V		05-Nov-14	102.6	4547.4		V		12.9
321222110032501	D-14-22 24BDB	4659	14-Dec-05	452.7	4206.3		V		02-Dec-14	461.4	4197.6		V		-8.7
321457109595501	D-14-23 04ADB	4555	08-Dec-05	227.3	4327.7		V		03-Dec-14	260.2	4294.8		V		-32.9
320837110003801	D-14-23 09CBC	4519	13-Dec-05	256.4	4262.6		V		02-Dec-14	191.4	4327.6		V		65
321330109594601	D-14-23 09DDD	4436	13-Dec-05	338.1	4097.9		V		03-Dec-14	372.8	4063.2	R	V		-34.7
321415109585701	D-14-23 10AAB	4438	08-Dec-05	338.2	4099.8		V		03-Dec-14	360.2	4077.8		V		-22
321415109564001	D-14-23 12AAA	4309	08-Dec-05	216	4093		V		03-Dec-14	242.7	4066.3		V		-26.7
321414109573001	D-14-23 12BBB2	4357	08-Dec-05	268.9	4088.1		V		02-Dec-14	293.9	4063.1		V		-25
321340109573001	D-14-23 12CBD	4335	08-Dec-05	178.8	4156.2		V		03-Dec-14	266.6	4068.4		V		-87.8
321314109573001	D-14-23 13BBD	4314	08-Dec-05	216.8	4097.2		V		03-Dec-14	240.8	4073.2		V		-24
321232109564001	D-14-23 24AAA	4249	08-Dec-05	154.7	4094.3		V		03-Dec-14	165.8	4083.2		V		-11.1
321049109570801	D-14-23 36BAA2	4205	13-Dec-05	84	4121		V		10-Dec-14	89.5	4115.5		V		-5.5
321435109520401	D-14-24 02CAD	4173	07-Dec-05	40.7	4132.3		V		17-Dec-14	44	4129		V		-3.3
321420109522201	D-14-24 02CCD3	4174	07-Dec-05	39.5	4134.5		V		17-Dec-14	42.5	4131.5		V		-3
321439109532801	D-14-24 03CBB	4182	07-Dec-05	49.5	4132.5		V		16-Dec-14	52.6	4129.4		V		-3.1
321354109531801	D-14-24 10BCD	4174	07-Dec-05	40.3	4133.7		V		16-Dec-14	43.6	4130.4		V		-3.3
321350109524701	D-14-24 10DBA	4172	07-Dec-05	39.4	4132.6		V		16-Dec-14	42.5	4129.5		V		-3.1
321412109510101	D-14-24 12BAD	4165	15-Dec-05	30.6	4134.4		V		17-Dec-14	33.4	4131.6		V		-2.8
321407109512601	D-14-24 12BBC	4168	15-Dec-05	32.6	4135.4		V		08-Jan-15	35.5	4132.5		V		-2.9
321323109521701	D-14-24 14BBA2	4170	07-Dec-05	33	4137		V		11-Dec-14	36.5	4133.5		V		-3.5
321258109522401	D-14-24 14CBB	4165	07-Dec-05	28.3	4136.7		V		16-Dec-14	31	4134		V		-2.7
321301109523101	D-14-24 15ADD	4165	07-Dec-05	28.2	4136.8		V		16-Dec-14	30.8	4134.2		V		-2.6
321210109523501	D-14-24 22ADD	4156	07-Dec-05	22.2	4133.8		V		16-Dec-14	24.1	4131.9		V		-1.9
321047109561201	D-14-24 31BAB	4178	15-Dec-05	54.6	4123.4		V		10-Dec-14	58.3	4119.7		V		-3.7
321432109485301	D-14-25 05DCB	4160	30-Nov-05	20	4140		V		08-Jan-15	21.4	4138.6		V		-1.4
321447109502501	D-14-25 06BCC2	4166	15-Dec-05	28.7	4137.3		V		16-Dec-14	31.4	4134.6		V		-2.7
321440109500501	D-14-25 06CAA	4160	15-Dec-05	28.5	4131.5		V		16-Dec-14	30.8	4129.2		V		-2.3
321410109492901	D-14-25 07AAD2	4160	15-Dec-05	18.2	4141.8		V		18-Dec-14	21.8	4138.2		V		-3.6
321400109492701	D-14-25 07ADD	4160	15-Dec-05	18.3	4141.7		V		18-Dec-14	20.3	4139.7		V		-2
321413109492701	D-14-25 08BBB	4158	14-Dec-05	18.5	4139.5		V		18-Dec-14	20.9	4137.1		V		-2.4
321357109491901	D-14-25 08BCD	4161	15-Dec-05	185.4	3975.6		V		18-Dec-14	184.8	3976.2		V		0.6
321322109455301	D-14-25 11CAA	4203	14-Dec-05	64.9	4138.1		V		17-Dec-14	69.3	4133.7		V		-4.4
321221109471301	D-14-25 22BBD2	4170	14-Dec-05	28.5	4141.5		V		17-Dec-14	31.1	4138.9		V		-2.6
321220109442101	D-14-25 24ADA	4220	29-Nov-05	206.9	4013.1	K	V		10-Dec-14	235.2	3984.8		V		-28.3
321057109451301	D-14-25 25CCC	4184	14-Dec-05	55.8	4128.2		V		17-Dec-14	61	4123		V		-5.2
321406109435001	D-14-26 07BAD4	4255	29-Nov-05	224.9	4030.1	R	V		10-Dec-14	245.1	4009.9		V		-20.2
321303109435201	D-14-26 18CAA1	4245	29-Nov-05	229.4	4015.6		V		10-Dec-14	271	3974		V		-41.6
321148109431101	D-14-26 20CCB	4275	29-Nov-05	234.7	4040.3		V		10-Dec-14	242.7	4032.3		V		-8
320634109585301	D-15-23 22DDC2	4428	29-Nov-05	307.1	4120.9		V		01-Dec-14	320.6	4107.4		V		-13.5
320612109573801	D-15-23 25BCB	4360	29-Nov-05	270.4	4089.6		V		01-Dec-14	285.3	4074.7		V		-14.9

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
320936109562401	D-15-24 06BCD	4190	13-Dec-05	77.1	4112.9		V		10-Dec-14	85.1	4104.9		V		-8
320830109550901	D-15-24 08CDA	4171	28-Nov-05	69.1	4101.9		V		10-Dec-14	74.9	4096.1		V		-5.8
320808109550901	D-15-24 17BAA	4180	08-Dec-05	81.5	4098.5		V		10-Dec-14	87.5	4092.5		V		-6
320750109550701	D-15-24 17BDD	4185	08-Dec-05	101	4084		V		10-Dec-14	111.6	4073.4		V		-10.6
320530109561001	D-15-24 31BAD	4290	29-Nov-05	266	4024		V		01-Dec-14	288.6	4001.4		V		-22.6
320934109452301	D-15-25 02ADD	4169	14-Dec-05	37.2	4131.8		V		18-Dec-14	42.9	4126.1		V		-5.7
320842109452101	D-15-25 11DAD	4173	14-Dec-05	199.4	3973.6		V		18-Dec-14	242.8	3930.2		V		-43.4
320728109442201	D-15-25 13DDD	4214	28-Nov-05	249.1	3964.9	K	V		01-Dec-14	254	3960		V		-4.9
320758109462201	D-15-25 14BCB	4163	14-Dec-05	30.5	4132.5		V		18-Dec-14	40.8	4122.2		V		-10.3
320725109461301	D-15-25 14CCD2	4177	13-Dec-05	50.4	4126.6		S		03-Dec-14	63.8	4113.2		V		-13.4
320724109456001	D-15-25 14CDC	4182	13-Dec-05	72.1	4109.9		V		03-Dec-14	80.9	4101.1		V		-8.8
320724109455101	D-15-25 14CDD	4184	13-Dec-05	53.8	4130.2		V		03-Dec-14	66.1	4117.9		V		-12.3
320706109462501	D-15-25 22ADA	4176	14-Dec-05	47.9	4128.1		V		10-Dec-14	66.7	4109.3		V		-18.8
320632109462401	D-15-25 22DDD	4184	13-Dec-05	32.3	4151.7		V		10-Dec-14	61.5	4122.5		V		-29.2
320722109461601	D-15-25 23BBB	4177	13-Dec-05	52.36	4124.64		S		10-Dec-14	78.2	4098.8		V		-25.84
320706109460301	D-15-25 23BBD	4181	13-Dec-05	209.3	3971.7	K	V		10-Dec-14	127.4	4053.6	K	V		81.9
320658109442102	D-15-25 24ADD1	4218	28-Nov-05	78.4	4139.6		V		01-Dec-14	68.6	4149.4		V		9.8
320658109442101	D-15-25 24ADD2	4218	28-Nov-05	266.5	3951.5		V		01-Dec-14	291.6	3926.4		V		-25.1
320618109451901	D-15-25 25BBC	4203	14-Dec-05	72.9	4130.1		V		10-Dec-14	85.5	4117.5		V		-12.6
320542109443901	D-15-25 25CDD1	4220	28-Nov-05	218.1	4001.9	K	V		02-Dec-14	323.3	3896.7		V		-105.2
320541109442101	D-15-25 25DDD2	4231	28-Nov-05	93.3	4137.7		V		02-Dec-14	110.7	4120.3		V		-17.4
320605109453401	D-15-25 26ADC	4202	13-Dec-05	69.4	4132.6		S		10-Dec-14	77.1	4124.9		V		-7.7
320544109452401	D-15-25 26DDD1	4208	13-Dec-05	70.4	4137.6		V		10-Dec-14	82.5	4125.5		V		-12.1
320539109462401	D-15-25 27DDD	4193	01-Dec-05	161.4	4031.6	K	V		10-Dec-14	167.5	4025.5		V		-6.1
320550109472501	D-15-25 28DAD	4178	01-Dec-05	124.71	4053.29		S		08-Jan-15	131	4047		V		-6.29
320513109472501	D-15-25 33ADD	4179	01-Dec-05	223.2	3955.8		V		16-Dec-14	275.1	3903.9		V		-51.9
320447109462401	D-15-25 34DDD	4198	01-Dec-05	242.2	3955.8		V		16-Dec-14	295.2	3902.8	K	V		-53
320516109445401	D-15-25 36BDD	4226	28-Nov-05	280.6	3945.4		V		10-Dec-14	343.6	3882.4		V		-63
320716109432101	D-15-26 19AAD	4252	29-Nov-05	279.3	3972.7	K	V		02-Dec-14	342.7	3909.3		V		-63.4
320634109435101	D-15-26 19CDD	4229	29-Nov-05	282.6	3946.4	K	V		02-Dec-14	329.8	3899.2		V		-47.2
320633109423801	D-15-26 20DCC	4280	29-Nov-05	269.3	4010.7		V		02-Dec-14	346.9	3933.1		V		-77.6
320630109411801	D-15-26 28AAA	4360	29-Nov-05	332.1	4027.9		V		02-Dec-14	351.6	4008.4		V		-19.5
320618109422001	D-15-26 29AAD	4303	29-Nov-05	329.7	3973.3		V		02-Dec-14	383.8	3919.2		V		-54.1
320602109423601	D-15-26 29ACD	4279	29-Nov-05	328.6	3950.4	K	V		10-Dec-14	380.6	3898.4		V		-52
320606109421901	D-15-26 29ADD	4298	29-Nov-05	350.1	3947.9		V		10-Dec-14	388.4	3909.6		V		-38.3
320554109431801	D-15-26 29CCB	4252	29-Nov-05	299	3953		V		10-Dec-14	365.3	3886.7		V		-66.3
320557109421901	D-15-26 29DAD	4294	29-Nov-05	349.2	3944.8		V		10-Dec-14	388.1	3905.9		V		-38.9
320458109431801	D-15-26 32CCB	4268	29-Nov-05	329.6	3938.4		V		10-Dec-14	382.9	3885.1		V		-53.3
320608109264001	D-15-28 25BDC	5085	07-Dec-05	122.6	4962.4		V		10-Dec-14	122.74	4962.26		S		-0.14
320603109285201	D-15-28 27CBB	4860	07-Dec-05	431.6	4428.4		V		10-Dec-14	433.4	4426.6		V	NOT USED IN 4 YEARS	-1.8
320555109253801	D-15-29 30CAC	5240	07-Dec-05	190.2	5049.8	P	V		10-Dec-14	121.3	5118.7		V		68.9
320325110023701	D-16-22 12DAA	4706	28-Nov-05	298.8	4407.2		V		12-Dec-14	331.2	4374.8		V		-32.4
320351109565301	D-16-23 12AAB	4334	30-Nov-05	304.8	4029.2		V		17-Dec-14	343	3991		V		-38.2
320346109570801	D-16-23 12ABC	4351	30-Nov-05	313.3	4037.7		V		17-Dec-14	344.3	4006.7		V		-31
320320109571001	D-16-23 12CAD	4367	30-Nov-05	335.9	4031.1		V		17-Dec-14	368.4	3998.6		V		-32.5
320204109582501	D-16-23 23BAB	4471	30-Nov-05	415.3	4055.7		V		09-Dec-14	444	4027		V		-28.7
320210109523601	D-16-24 14CCD	4174	29-Nov-05	70.6	4103.4		V		09-Dec-14	77.9	4096.1		V		-7.3
320159109552901	D-16-24 20BAD	4295	01-Dec-05	267.3	4027.7		V		10-Dec-14	311.3	3983.7		V		-44
320142109540301	D-16-24 21ADC3	4232	01-Dec-05	179.3	4052.7		V		09-Dec-14	175.9	4056.1		V		3.4
320119109545001	D-16-24 21CCC	4273	01-Dec-05	226.2	4046.8		V		09-Dec-14	258.4	4014.6		V		-32.2
320117109542301	D-16-24 21DCC	4253	01-Dec-05	205.7	4047.3		V		09-Dec-14	233.7	4019.3		V		-28
320147109520801	D-16-24 23ACD	4163	12-Dec-05	64.98	4098.02		S		07-Jan-15	62	4101		V		2.98
320051109513301	D-16-24 25BDC	4179	12-Dec-05	91.67	4087.33		S		07-Jan-15	69	4110		V		22.67
320043109515301	D-16-24 26DAD2	4194	12-Dec-05	89.9	4104.1		V		11-Dec-14	114.5	4079.5		V		-24.6
320023109515901	D-16-24 35AAB3	4218	12-Dec-05	110.4	4107.6		V		08-Jan-15	122.2	4095.8		V		-11.8
320022109520201	D-16-24 35AAB4	4218	12-Dec-05	112.6	4105.4		V		08-Jan-15	124.4	4093.6		V		-11.8

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
340445109451301	D-16-25 01BAA2	4215	01-Dec-05	88.13	4126.87		S		16-Dec-14	99	4116		V		-10.87
320441109453901	D-16-25 01BBB	4207.33	30-Nov-05	77.08	4130.25		S		30-Oct-14	90	4117.33		VT		-12.92
320415109451301	D-16-25 01CAA	4221	30-Nov-05	283.7	3937.3	K	V		16-Dec-14	328.4	3892.6		V		-44.7
320354109455901	D-16-25 02DCD	4209	14-Dec-05	244.8	3964.2		V		16-Dec-14	257.1	3951.9	K	V		-12.3
320356109481801	D-16-25 04CDD	4178	30-Nov-05	195.1	3982.9		V		17-Dec-14	254.8	3923.2	Z	V	PUMP REMOVED OPEN WITH TIN LID.	-59.7
320352109455501	D-16-25 11AAB	4211	30-Nov-05	249.8	3961.2		V		17-Dec-14	287	3924		V		-37.2
320351109463101	D-16-25 11BBA	4202	30-Nov-05	88.3	4113.7		V		06-Jan-15	100.2	4101.8	Z	V	WELL NO LONGER IN USE.	-11.9
320301109452501	D-16-25 13BAB	4225	29-Nov-05	175.8	4049.2	Z	V		17-Dec-14	175.5	4049.5	Z	V	OPEN HOLE 12"	0.3
320252109451301	D-16-25 13BAD	4233	29-Nov-05	118.4	4114.6		V		17-Dec-14	119	4114		V		-0.6
320300109454201	D-16-25 13BBB	4220	29-Nov-05	274.7	3945.3		V		17-Dec-14	327.2	3892.8		V		-52.5
320220109451301	D-16-25 13CDA	4228	29-Nov-05	288.9	3939.1		V		06-Jan-15	274.8	3953.2	K	V	THIS WELL IS NO LONGER IN USE.	14.1
320212109484801	D-16-25 17DDD2	4176	14-Dec-05	54.4	4121.6		V		08-Jan-15	62	4114	Z	V	INACTIVE WELL AND NOT IN USE.	-7.6
320301109495001	D-16-25 18AAA	4162	14-Dec-05	49.16	4112.84		S		08-Jan-15	52.3	4109.7		V		-3.14
320118109464601	D-16-25 22DDD	4209	29-Nov-05	175.6	4033.4		V		09-Dec-14	173.6	4035.4		V		2
320121109444701	D-16-25 24DDD	4247	06-Dec-05	302.6	3944.4		V		03-Dec-14	357.6	3889.4		V		-55
320050109451301	D-16-25 25CAA	4232	29-Nov-05	288.1	3943.9		V		11-Dec-14	335.5	3896.5		V		-47.4
320049109444201	D-16-25 25DAA2	4245	05-Dec-05	298.4	3946.6		V		03-Dec-14	341.6	3903.4		V		-43.2
320022109454801	D-16-25 35AAA	4228	29-Nov-05	264.1	3963.9	K	V		03-Dec-14	319.9	3908.1		V		-55.8
320022109444601	D-16-25 36AAA	4243	05-Dec-05	291.3	3951.7		V		03-Dec-14	342	3901		V		-50.7
320024109453901	D-16-25 36BBB	4228	38700	275.3	3952.7		V		41977	326.5	3901.5		V		-51.2
320443109411201	D-16-26 03BAA	4328	38685	332.4	3995.6		V		41985	367.4	3960.6		V		-35
320406109414201	D-16-26 04DDA	4312	38686	354.1	3957.9		V		41983	386.2	3925.8		V		-32.1
320403109434701	D-16-26 06DDA	4257.8	38685	320.2	3937.6		V		41983	375.1	3882.7		V		-54.9
320329109404401	D-16-26 10ADD	4340	38686	355.7	3984.3		V		41983	387.8	3952.2		V		-32.1
320303109410601	D-16-26 10CDD	4330	38687	389	3941		V		41985	427	3903		V		-38
320318109404101	D-16-26 10DAD	4345	38686	374.2	3970.8		V		41985	410	3935		V		-35.8
320333109394301	D-16-26 11ADD	4372	38686	280.3	4091.7		V		41982	317	4055		V		-36.7
320306109403801	D-16-26 11CCC	4348	38686	385	3963		V		41985	419.4	3928.6		V		-34.4
320303109394001	D-16-26 11DDD	4381	38686	343.5	4037.5		V		41982	363.8	4017.2		V		-20.3
320304109384101	D-16-26 12DDD	4407	38694	320.4	4086.6	R	V		41982	342.6	4064.4		V		-22.2
320236109393901	D-16-26 14ADD	4372	38687	374.5	3997.5		V		41982	393.2	3978.8		V		-18.7
320232109394201	D-16-26 14DAA	4375	38687	374.2	4000.8		V		41982	392.8	3982.2		V		-18.6
320215109434401	D-16-26 18DDD	4265	38692	319.2	3945.8		V		41976	381.1	3883.9		V		-61.9
320144109394201	D-16-26 23ADD	4366	38687	368.9	3997.1		V		41984	399	3967		V		-30.1
320209109384101	D-16-26 24AAA	4401	38687	346.7	4054.3		V		41982	381.5	4019.5		V		-34.8
320204109383801	D-16-26 24AAD	4401	38687	345.1	4055.9		V		41982	381	4020		V		-35.9
320209109392201	D-16-26 24BAB	4376	38687	356.5	4019.5		V		41982	385.6	3990.4		V		-29.1
320123109391001	D-16-26 24CDD	4382	38693	345.3	4036.7		V		41984	375.4	4006.6		V		-30.1
320118109391001	D-16-26 25BAA	4378	38693	345.9	4032.1		V		41984	369.8	4008.2		V		-23.9
320041109391001	D-16-26 25CAD	4375	38691	356.8	4018.2		V		41984	355.9	4019.1		V		0.9
320111109404301	D-16-26 27AAA	4339	38692	352.3	3986.7		V		41984	379.2	3959.8		V		-26.9
320104109424501	D-16-26 29ADA	4286	38692	327.2	3958.8		V		41984	386.9	3899.1		V		-59.7
320119109434701	D-16-26 30AAA	4264	38692	316.7	3947.3	K	V		41984	375.2	3888.8		V		-58.5
320022109424601	D-16-26 32AAA	4285	38691	291.2	3993.8		V		41984	320.9	3964.1		V		-29.7
320000109424301	D-16-26 32ADD	4283	38700	271.6	4011.4		V		41989	301.7	3981.3		V		-30.1
315957109414501	D-16-26 33DAA2	4306	38700	281.3	4024.7		V		41989	309.6	3996.4		V		-28.3
320020109404401	D-16-26 34AAA	4325	38691	314.5	4010.5		V		41984	342.9	3982.1		V		-28.4
315955109404101	D-16-26 34DAA	4328	38700	304	4024		V		41989	324	4004		V		-20
320023109401301	D-16-26 35BAA	4340	38691	315.1	4024.9		V		41984	343.8	3996.2		V		-28.7
320011109400901	D-16-26 35BAD	4340	38691	308.3	4031.7		V		41984	335	4005		V		-26.7
320305109382501	D-16-27 07CDC	4413	38686	316.5	4096.5		V		41982	328.4	4084.6		V		-11.9
320445109302401	D-16-28 04BBB	4709	38686	338.3	4370.7		V		41982	341.3	4367.7		V		-3

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
320051109271001	D-16-28 25BCD2	4900	38694	206.9	4693.1		V		41974	218.2	4681.8		V		-11.3
320402109230201	D-16-29 03CDB	5500	38687	36.2	5463.8		V		41983	35.2	5464.8		S		1
320443109244701	D-16-29 05ABB	5302	38693	190.6	5111.4		V		41984	205.8	5096.2		V		-15.2
320237109245001	D-16-29 17ACC	5130	38687	65.1	5064.9	P	V		41983	93.4	5036.6	P	V		-28.3
320136109233001	D-16-29 21DAC	5159	38687	201.5	4957.5		V		41983	206.8	4952.2	P	V		-5.3
320029109221601	D-16-29 26CCC2	5230	38686	17.6	5212.4		V		41982	15.09	5214.91		S		2.51
320032109215701	D-16-29 26CDB	5270	38688	11	5259		V		41976	4.04	5265.96		S		6.96
320038109211901	D-16-29 26DAD1	5340	38686	27.4	5312.6		V		41976	24.1	5315.9		V		3.3
320031109222501	D-16-29 27DDA	5220	38686	21.7	5198.3		V		41976	18.7	5201.3		S		3
320028109222001	D-16-29 27DDD	5230	38686	21	5209		V		41976	17.86	5212.14		S		3.14
320033109241701	D-16-29 28CCB	5070	38687	28.1	5041.9		V		41976	10.49	5059.51		S		17.61
320025109240301	D-16-29 28CDC	5065	38687	21.9	5043.1		V		41976	9.4	5055.6		S		12.5
320107109261201	D-16-29 30BBD2	4930	38692	53.1	4876.9		V		41982	24	4906		V		29.1
320019109240601	D-16-29 33BAB	5085	38694	32.6	5052.4		V		41975	18.1	5066.9		V		14.5
320011109235201	D-16-29 33BAD2	5110	38687	30	5080		V		41975	17.3	5092.7		S		12.7
320022109242001	D-16-29 33BBB	5070	38688	36.8	5033.2		V		41975	18.6	5051.4		V		18.2
315930109512001	D-17-24 01BAA	4232	38700	169.1	4062.9		V		41990	198.3	4033.7		V		-29.2
315909109514901	D-17-24 01BCC	4261	38700	177.4	4083.6		V		41990	242.4	4018.6		V		-65
315919109530401	D-17-24 03ABD	4319	38691	244.5	4074.5		V		41984	284.6	4034.4		V		-40.1
315906109532101	D-17-24 03ACC	4339	38691	271	4068		V		41984	312.6	4026.4		V		-41.6
315852109534201	D-17-24 03CCA	4368	38692	295	4073		V		41984	336.5	4031.5		V		-41.5
315829109545501	D-17-24 08AAD2	4463	38692	402.1	4060.9		V		41984	440.2	4022.8		V		-38.1
315748109521501	D-17-24 11DCC	4342	38700	285.9	4056.1		V		41989	329.4	4012.6		V		-43.5
315748109514801	D-17-24 12CCC	4317	38700	261.7	4055.3		V		41989	304.1	4012.9		V		-42.4
315652109532701	D-17-24 22BAA	4446	38692	374.4	4071.6		V		41983	409.6	4036.4		V		-35.2
315646109521101	D-17-24 23ADB2	4390	38701	333.6	4056.4		V		41989	371	4019		V		-37.4
315515109511501	D-17-24 25DCC	4442	38700	373.9	4068.1		V		41989	400.2	4041.8		V		-26.3
315457109545601	D-17-24 32AAD	4712	38692	339.8	4372.2		V		41983	356.5	4355.5		V		-16.7
315828109502001	D-17-25 07BAD	4228	38701	185.9	4042.1		V		41990	188.5	4039.5		V		-2.6
315818109504401	D-17-25 07BCC	4248	38701	206.8	4041.2		V		41990	192.5	4055.5	K	V		14.3
315816109494501	D-17-25 08BCC2	4222	38700	180.6	4041.4		V		41989	212.1	4009.9	K	V		-31.5
315752109452401	D-17-25 12CDC	4245	38700	152.3	4092.7		V		41984	159.6	4085.4		V		-7.3
315721109503501	D-17-25 18CBA	4282	38700	244.5	4037.5		V		41989	282.2	3999.8		V		-37.7
315611109504701	D-17-25 19CCB	4362	38701	314.4	4047.6		V		41989	350.5	4011.5		V		-36.1
315607109502101	D-17-25 19CDD	4348	38701	299.7	4048.3		V		41989	332.5	4015.5		V		-32.8
315538109501301	D-17-25 30ACC	4372	38701	323.8	4048.2		V		41989	353.5	4018.5		V		-29.7
315537109495401	D-17-25 30ADD	4363	38700	310.6	4052.4		V		41989	345.6	4017.4		V		-35
315457109455701	D-17-25 35ADB	4288	38701	187	4101		V		41984	213	4075		V		-26
315930109401101	D-17-26 02BAA	4330	38700	279.7	4050.3		V		41988	306.8	4023.2		V		-27.1
315907109404001	D-17-26 03DAA	4319	38700	259.2	4059.8		V		41989	285.8	4033.2		V		-26.6
315852109404301	D-17-26 03DDA1	4318	38700	252.5	4065.5		V		41989	276.3	4041.7		V		-23.8
315930109414401	D-17-26 04AAD	4297	38693	270	4027		V		41989	298.7	3998.3		V		-28.7
315930109424301	D-17-26 05AAA1	4282	38699	263.1	4018.9		V		41989	293.4	3988.6		V		-30.3
315931109424401	D-17-26 05AAA2	4282	38699	238.7	4043.3		V		41988	290.3	3991.7		V		-51.6
315931109424701	D-17-26 05AAA3	4280	38699	238.6	4041.4		V		41988	290.2	3989.8		V		-51.6
315930109425501	D-17-26 05AAB	4279	38699	259.2	4019.8		V		41988	289.4	3989.6		V		-30.2
315932109431401	D-17-26 05BAA	4275	38699	257.1	4017.9		V		41988	287.9	3987.1		V		-30.8
315920109441601	D-17-26 06BAD	4254	38699	239.8	4014.2		V		41988	288.1	3965.9		V		-48.3
315835109404301	D-17-26 10AAA2	4318	38698	235.9	4082.1		V		41988	259.7	4058.3		V		-23.8
315839109405301	D-17-26 10AAB	4316	38700	239.9	4076.1		V		41988	263.4	4052.6		V		-23.5
315811109404201	D-17-26 10DAA	4312	38698	214.9	4097.1		V		41988	237.3	4074.7		V		-22.4
315813109394001	D-17-26 11DAA	4330	38698	225.2	4104.8		V		41988	247	4083		V		-21.8
315735109383901	D-17-26 13AAD	4348	38695	227.4	4120.6		V		41988	259.8	4088.2		V		-32.4
315710109383901	D-17-26 13DAD	4350	38695	223.7	4126.3		V		41988	256.9	4093.1		V		-33.2
315745109393901	D-17-26 14AAA	4329	38684	214	4115		V		41984	235.2	4093.8		V		-21.2
315748109400801	D-17-26 14ABB	4321	38684	206.1	4114.9		V		41988	224.5	4096.5		V		-18.4

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
315719109394401	D-17-26 14ADD	4330	38695	204.4	4125.6		V		41988	224.2	4105.8		V		-19.8
315606109401201	D-17-26 23CDD	4318	38694	184.7	4133.3		V		41984	206.4	4111.6		V		-21.7
315651109384001	D-17-26 24AAA	4351	38695	226	4125		V		41988	247.1	4103.9		V		-21.1
315632109383701	D-17-26 24ADD	4351	38695	225.8	4125.2		V		41988	229.8	4121.2		V		-4
315656109390701	D-17-26 24BAA	4336	38695	208.3	4127.7		V		41988	249	4087		V		-40.7
315553109391001	D-17-26 25BAD	4338	38694	212.6	4125.4		V		41985	245.1	4092.9		V		-32.5
315511109391001	D-17-26 25CDD	4340	38694	217.3	4122.7		V		41985	270.3	4069.7		V		-53
315601109394001	D-17-26 26AAA	4323	38694	195.2	4127.8		V		41984	215.9	4107.1		V		-20.7
315601109404101	D-17-26 27AAA	4307	38701	177.8	4129.2		V		41990	191.9	4115.1		V		-14.1
315537109404101	D-17-26 27DAA	4308	38701	177.9	4130.1		V		41990	201.9	4106.1		V		-24
315525109421501	D-17-26 28CAD	4290	38700	46.5	4243.5		V		41990	39.9	4250.1		V		6.6
315500109404001	D-17-26 34AAD	4312	38687	185.4	4126.6		V		41990	207.1	4104.9		V		-21.7
315434109391101	D-17-26 36CAD	4344	38694	218.2	4125.8		V		41984	246.6	4097.4		V		-28.4
315837109323101	D-17-27 12AAA	4620	38693	276.3	4343.7	V	V		41989	283.2	4336.8		V		-6.9
315837109330301	D-17-27 12BAA	4590	38693	249.8	4340.2	V	V		41989	258.8	4331.2		V		-9
315736109373901	D-17-27 18AAD	4378	38701	238.2	4139.8		V		41990	280	4098		V		-41.8
315643109374001	D-17-27 19AAD	4380	38700	252.1	4127.9		V		41989	314.9	4065.1		V		-62.8
315533109371101	D-17-27 29CAA	4388	38685	243.6	4144.4		V		41983	293.9	4094.1		V		-50.3
315421109380401	D-17-27 31CDD2	4366	38693	243.7	4122.3		V		41983	297.6	4068.4		V		-53.9
315420109374001	D-17-27 31DDD	4381	38686	253.6	4127.4		V		41983	303.7	4077.3		V		-50.1
315845109275401	D-17-28 02DCC2	4950	38691	51.3	4898.7		V		41976	52.39	4897.61		V		-1.09
315920109313501	D-17-28 06AAD	4680	38693	336	4344		V		41984	337.1	4342.9		V		-1.1
315727109263301	D-17-28 13ADB	5065	38692	160.1	4904.9		V		42012	180.16	4884.84		S		-20.06
315702109282401	D-17-28 14CCB2	4914	38692	47.9	4866.1		V		41984	17.51	4896.49		S		30.39
315817109204301	D-17-29 12ACC1	5500	38686	20.5	5479.5		V		41989	13.14	5486.86		S		7.36
315818109204301	D-17-29 12ACC2	5515	38686	27.9	5487.1		V		41989	18.9	5496.1		V		9
315812109201601	D-17-29 12DAA	5570	38686	23.6	5546.4		V		41990	24.01	5545.99		S	BRAKED WM @ 11:30AM, MEASURED @ 1:30PM.	-0.41
315805109183501	D-17-30 07ABD UNSURV	5790	38688	21.8	5768.2		V		41990	17.77	5772.23		S		4.03
315413109394201	D-18-26 02AAA	4332.7	38687	225.3	4107.4		V		41983	294.8	4037.9		V		-69.5
315354109394001	D-18-26 02ADD	4335	38687	230.3	4104.7		V		41983	308.1	4026.9		V		-77.8
315257109404401	D-18-26 10DAA	4310	38688	227.8	4082.2		V		41983	267.1	4042.9		V		-39.3
315322109401001	D-18-26 11BAA	4322	38691	224.9	4097.1		V		41983	262.1	4059.9		V		-37.2
315316109390101	D-18-26 12ABC	4345	38701	193.5	4151.5		V		41982	220.3	4124.7		V		-26.8
315334109363601	D-18-27 05DAD	4417	38684	244.2	4172.8		V		41983	280.2	4136.8		V		-36
315235109380801	D-18-27 07CDD2	4372	38685	246.1	4125.9		V		41982	281.8	4090.2		V		-35.7
315318109372101	D-18-27 08BAC	4395	38684	237.1	4157.9		V		42031	274.1	4120.9		V		-37
315315109370601	D-18-27 08BAD	4389	38684	239	4150	R	V		41985	274.5	4114.5		V		-35.5
315316109373501	D-18-27 08BBC	4383	38685	235.3	4147.7		V		41982	273.8	4109.2		V		-38.5
315225109373801	D-18-27 18AAD	4388	38692	239.7	4148.3		V		41975	274.9	4113.1		V		-35.2
325136109380401	D-18-27 19ABB	4377	38685	254.8	4122.2		V		41974	287.9	4089.1		V		-33.1
315125109344701	D-18-27 22ADB	4512	38684	238.9	4273.1		V		41975	249.3	4262.7		V		-10.4
315041109363101	D-18-27 29AAD	4455	38685	281.5	4173.5		V		41975	305.5	4149.5		V		-24
315409109264601	D-18-28 01ABC	5135	38694	50.1	5084.9		V		42012	5.32	5129.68		S		44.78
315329109312701	D-18-28 05CCC2	4710	38686	360.2	4349.8		V		41976	365	4345		V		-4.8
315344109314801	D-18-28 06DBD	4682	38699	342.6	4339.4		V		41976	346.5	4335.5		V		-3.9
315235109320001	D-18-28 07CDD	4660	38686	314.3	4345.7		V		41976	318.9	4341.1		V		-4.6
315308109305901	D-18-28 08BDA2	4743	38686	379.6	4363.4		V		41976	383.6	4359.4		V		-4
315317109284901	D-18-28 10ABC	4915	38695	16.8	4898.2		V		41989	10.9	4904.1		V		5.9
315255109275801	D-18-28 11CAA	5020	38691	51.4	4968.6		V		41985	57.79	4962.21		S	WELL LAST PUMPED IN SUMMER; NEARBY WELL LAST PUMPED TWO WEEEKS AGO.	-6.39

Appendix 11. Willcox Basin groundwater level change data for each comparable water level measurement.

SITE ID	CADASTRAL	SITE ALTITUDE [ft amsl]	WL DATE 05	WL 05 [ft]	ELEVATION 05 [ft]	METHOD 05_1	REMARK 05_2	COMMENT 05	WL DATE 15	WL 15 [ft]	ELEVATION 15 [ft]	METHOD 15_1	REMARK 15_2	COMMENT 15	WL CHANGE WY05 - WY15 [ft]
315232109291301	D-18-28 15BBA	4910	38694	525.7	4384.3		V		42013	530	4380		V	LAST PUMPED IN AUGUST 2014. PUMPED 58,000 GALS FOR JERRY SANDERS, FIVE MILES EAST ON TURKEY CREEK, AS HIS WELL WENT DRY OVER SUMMER.	-4.3
315151109292901	D-18-28 16DDA	4885	38687	492.3	4392.7		V		41989	494.7	4390.3		V		-2.4
315228109310301	D-18-28 17BAA	4742	38684	381.7	4360.3		V		41976	382.3	4359.7		V		-0.6
315106109291001	D-18-28 22CAC	4900	38687	488	4412		V		42011	488.3	4411.7		V		-0.3
315207109254001	D-18-29 18ACD	5300	38715	20	5280		V		41989	13.47	5286.53		S		6.53
315136109252601	D-18-29 19AAA	5307	38687	22.7	5284.3		V		41989	5.5	5301.5		V		17.2
315054109253101	D-18-29 19DDC3	5290	38687	9.8	5280.2		S		41978	11.6	5278.4		S		-1.8
315100109251701	D-18-29 20CCB	5330	38687	35	5295		V		41978	14.2	5315.8		V		20.8
314458109305101	D-19-28E30DAA	4845	38687	40.7	4804.3	P	V		41977	41	4804		V		-0.3
314502109310201	D-19-28E30DAB	4850	38687	33.8	4816.2		V		41977	29.8	4820.2		V		4
314527109221201	D-19-29 22CDD	5550	38695	8.2	5541.8		V		42010	7.25	5542.75		S		0.95
314030109291801	D-20-28 21CAD2	5185	38692	8.1	5176.9		S		42012	9.51	5175.49		S		-1.41
313925109274101	D-20-28 26CCB	4940	38693	16.3	4923.7		S		42011	7.86	4932.14		S		8.44
313952109274801	D-20-28 27ADA	4960	38693	6.6	4953.4		S		42011	5.82	4954.18		S		0.78
313839109291001	D-20-28 33DCA	4990	38693	2.7	4987.3		S		42012	14.58	4975.42		S		-11.88
314018109250401	D-20-29 19DCA	5290	38692	25	5265		V		42012	30.36	5259.64		S		-5.36
313712109281301	D-21-28 11BCA1	4810	38693	41.7	4768.3		V		42033	34.5	4775.5	S	V	11BCA2 PUMPING	7.2
313523109293001	D-21-28 21ADD	4685	38693	17.8	4667.2		V		42033	11.5	4673.5		S		6.3
313535109284901	D-21-28 22ABC	4715	38693	30.6	4684.4		V		42033	20.1	4694.9		V		10.5
313527109285401	D-21-28 22BDA	4715	38693	30.1	4684.9		V		42033	17.3	4697.7		S		12.8

1. S = Steel Tape, V = A.D.W.R calibrated electric sounder or non A.D.W.R electric tape, VT = A.D.W.R calibrated electric tape
2. K = Cascading Water, P = Pumping, R = Recently Pumped, S = Nearby Pumping, V = Foreign Material (oil), Z = Other

Appendix 12

Selected hydrographs for the Willcox Basin.

Appendix 12. Selected hydrographs for the Willcox Basin.

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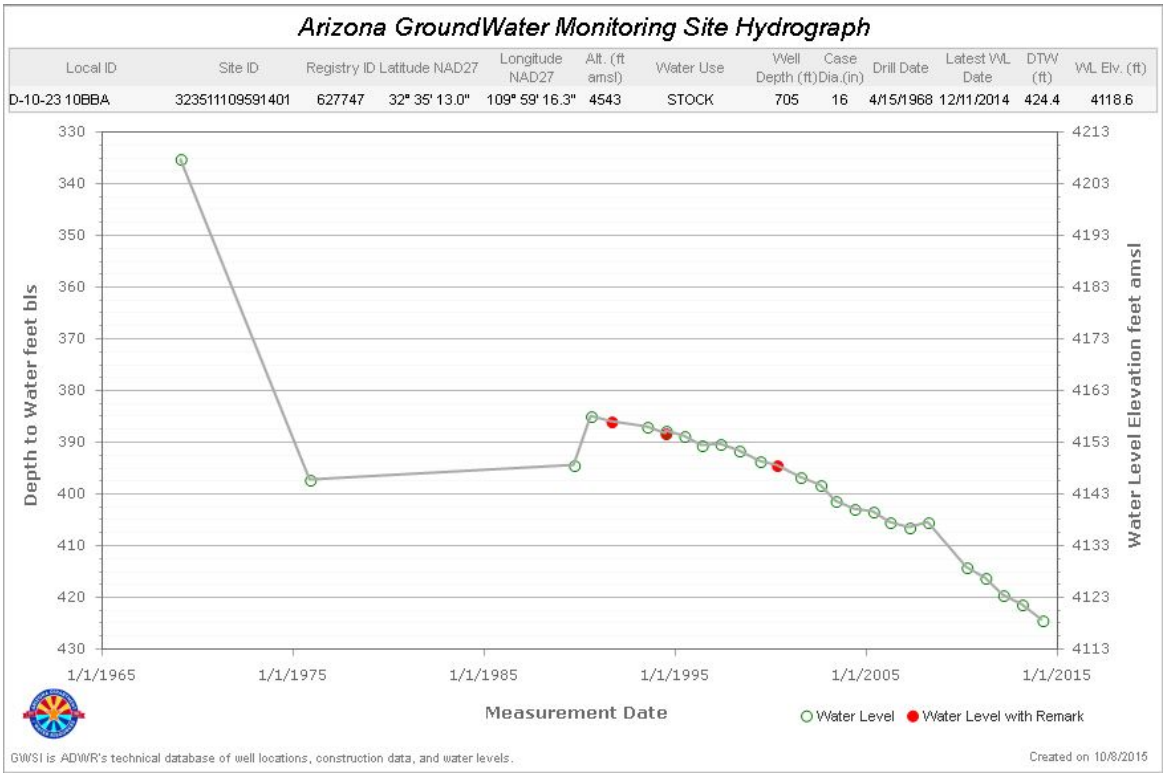

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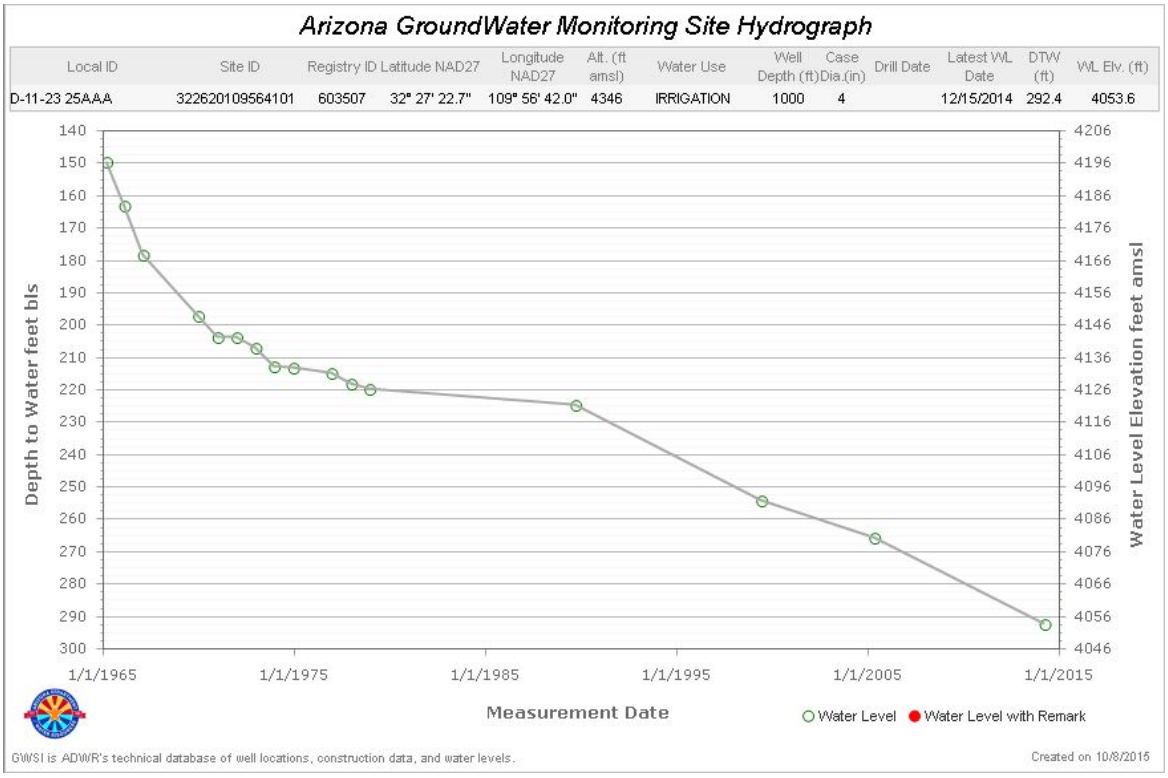

Appendix 12. Selected hydrographs for the Willcox Basin.

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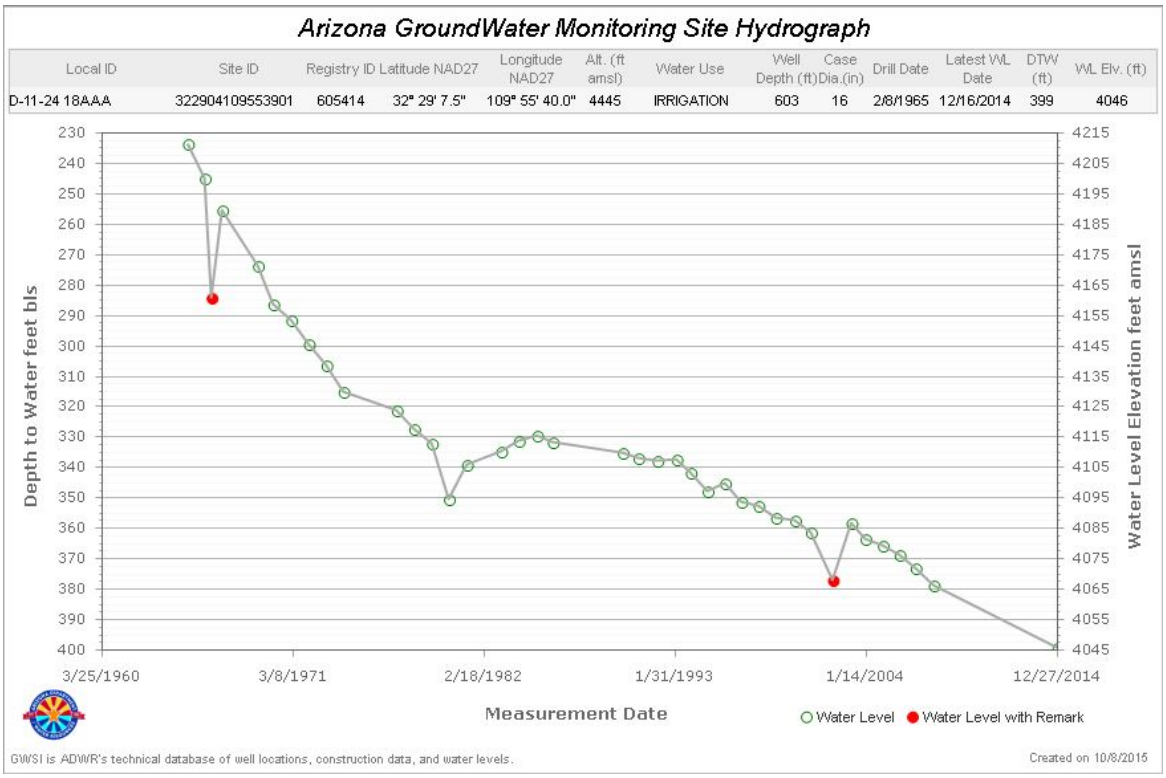

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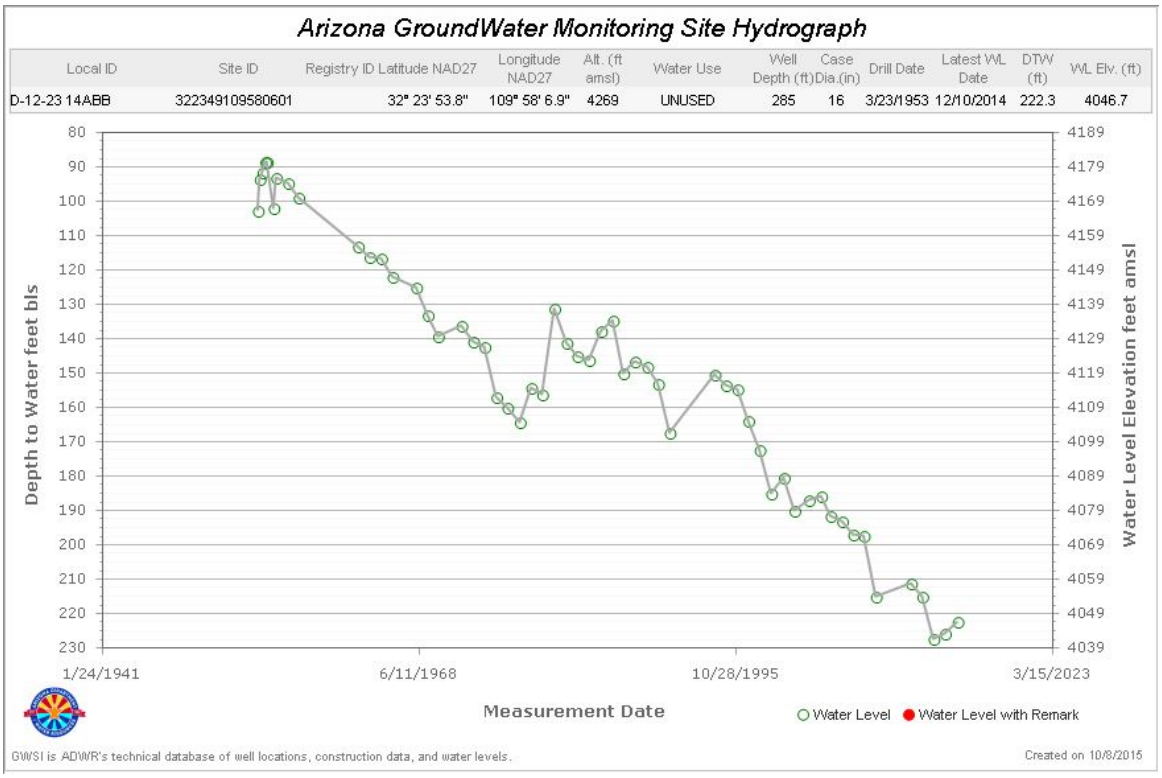

Appendix 12. Selected hydrographs for the Willcox Basin.

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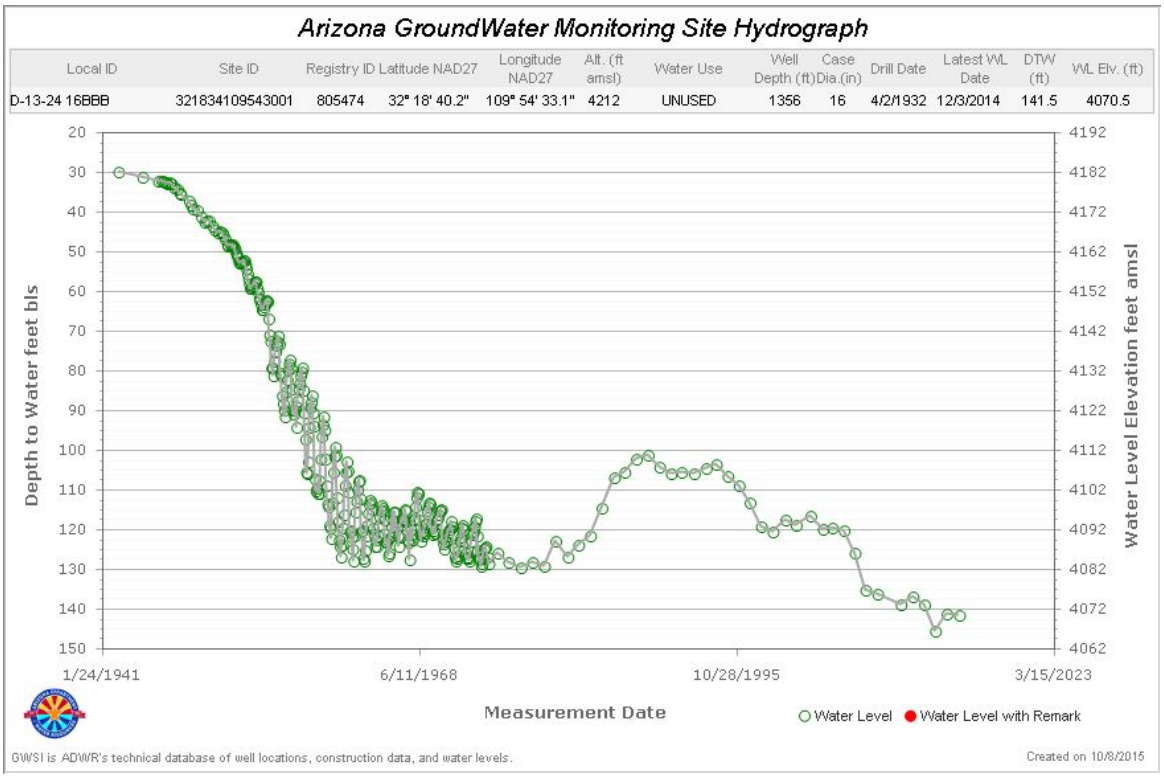

Appendix 12. Selected hydrographs for the Willcox Basin.

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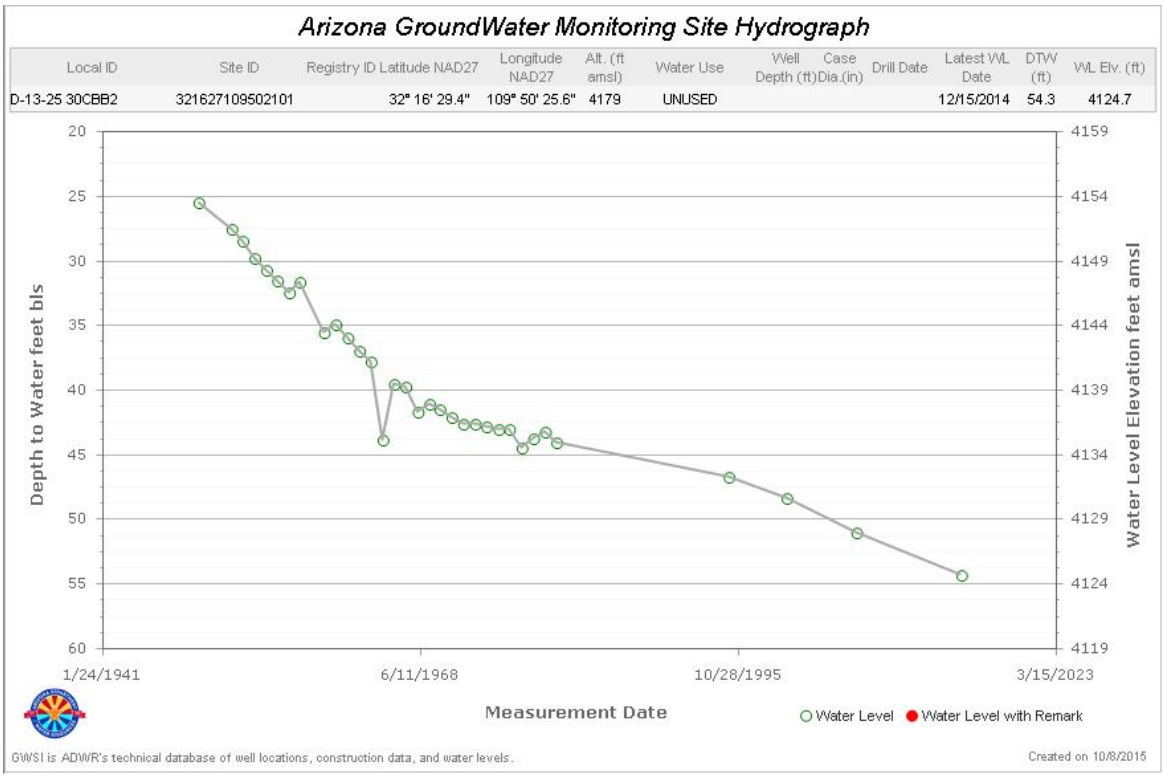

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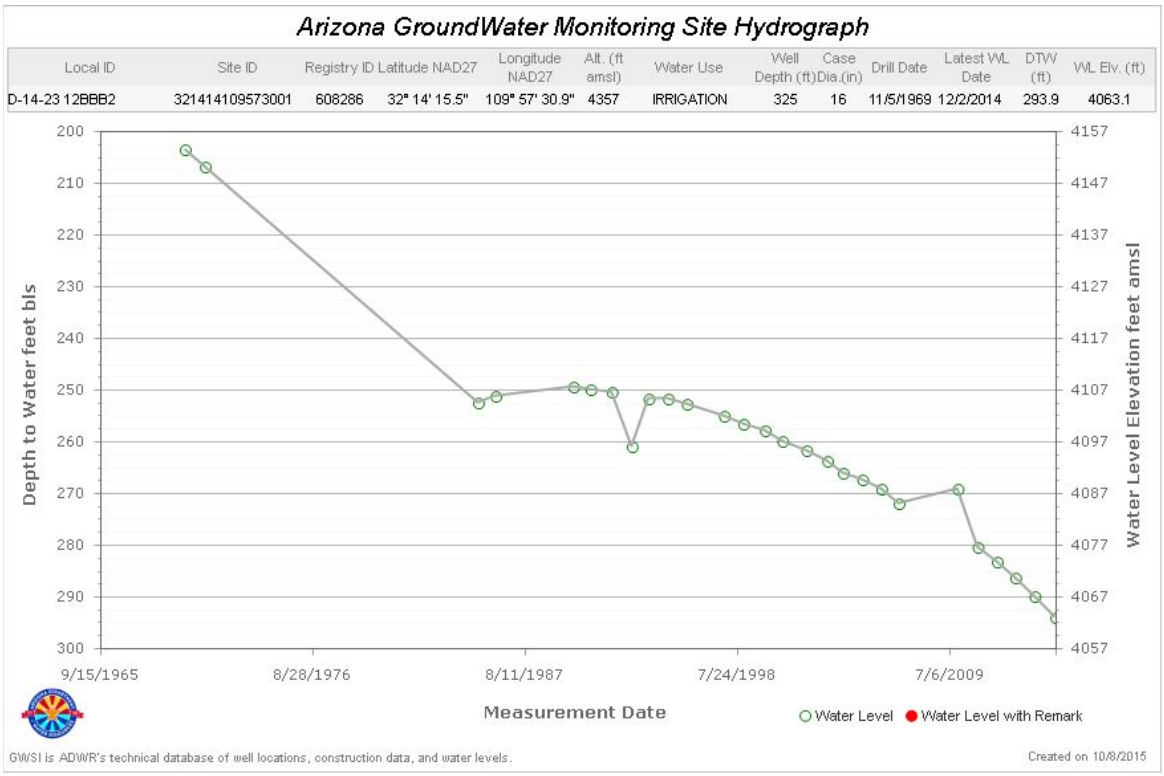

Appendix 12. Selected hydrographs for the Willcox Basin.

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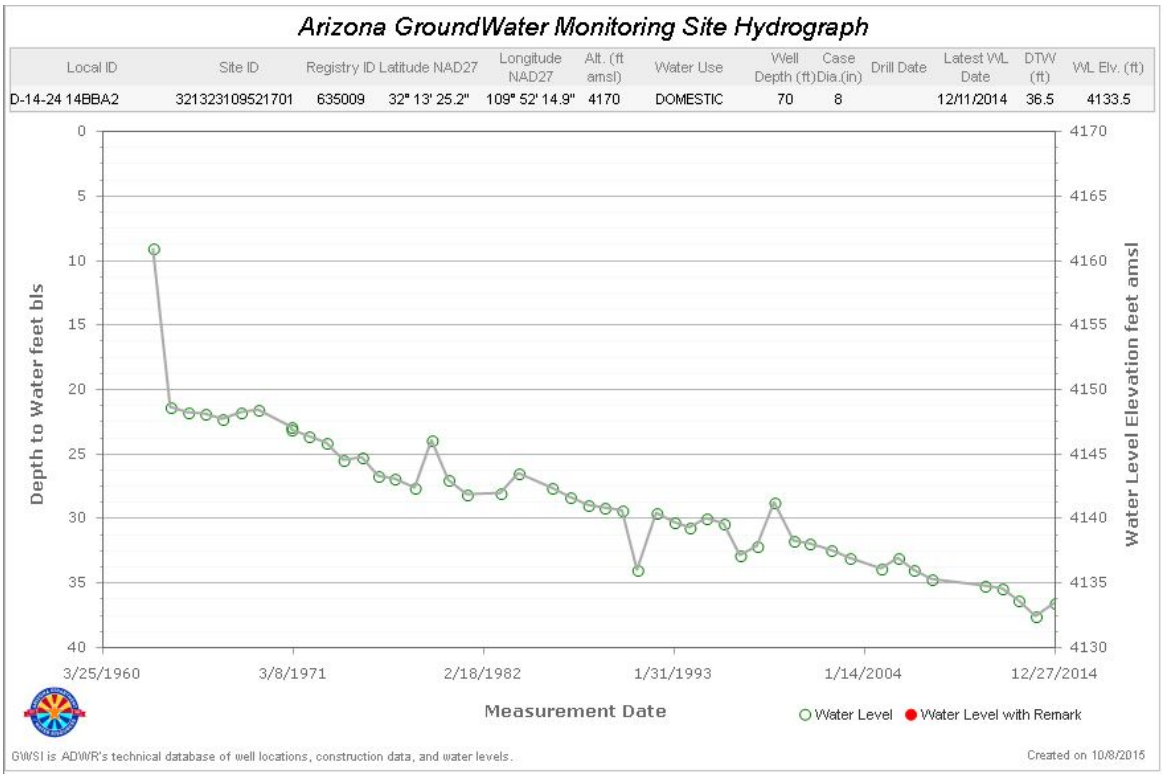

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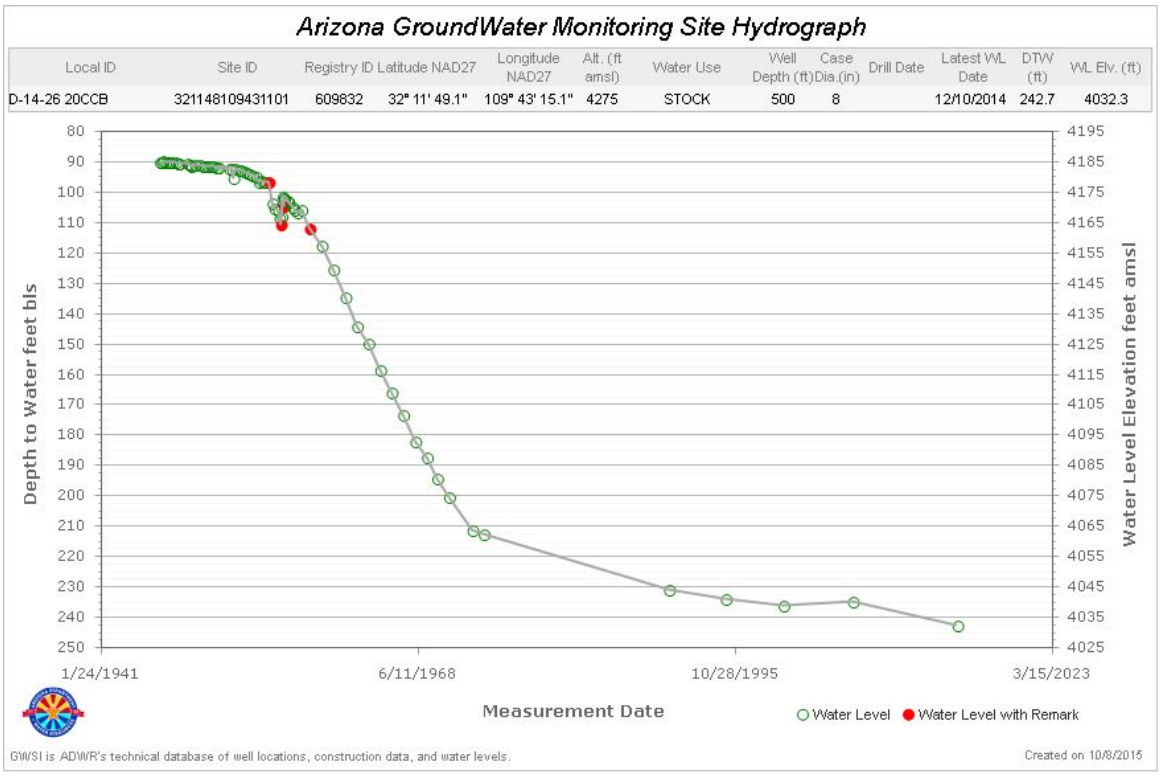

Appendix 12. Selected hydrographs for the Willcox Basin.

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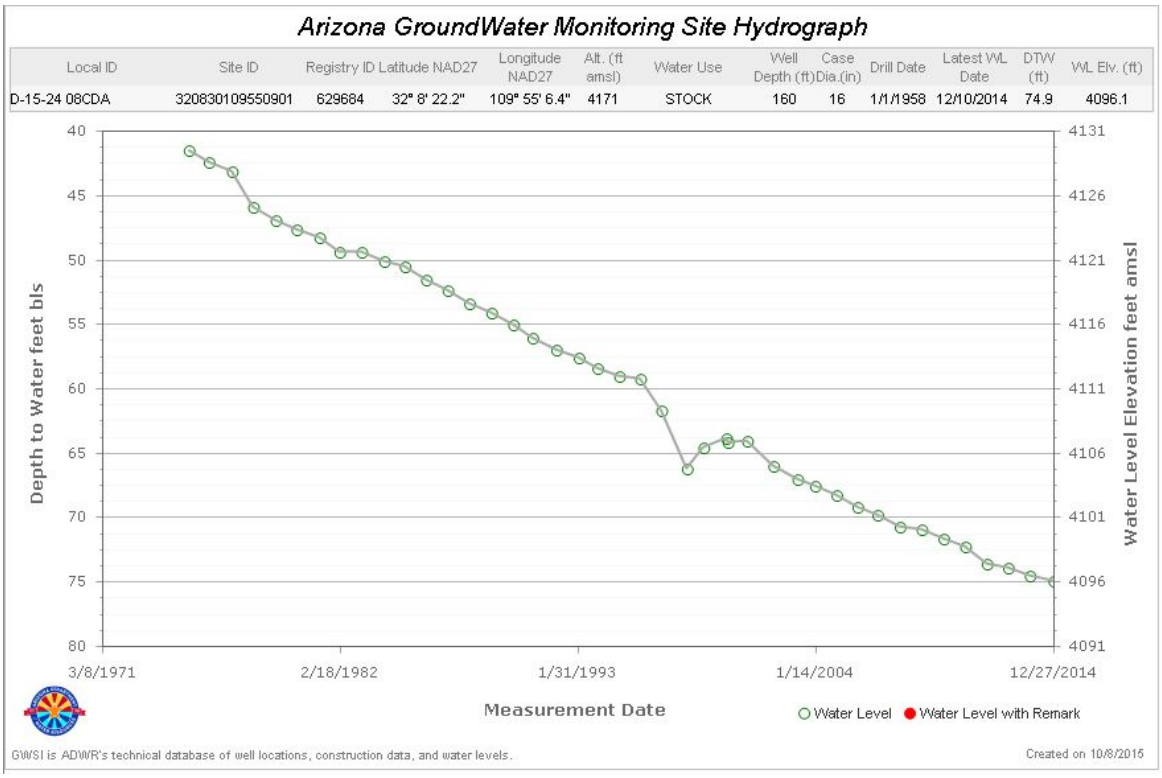

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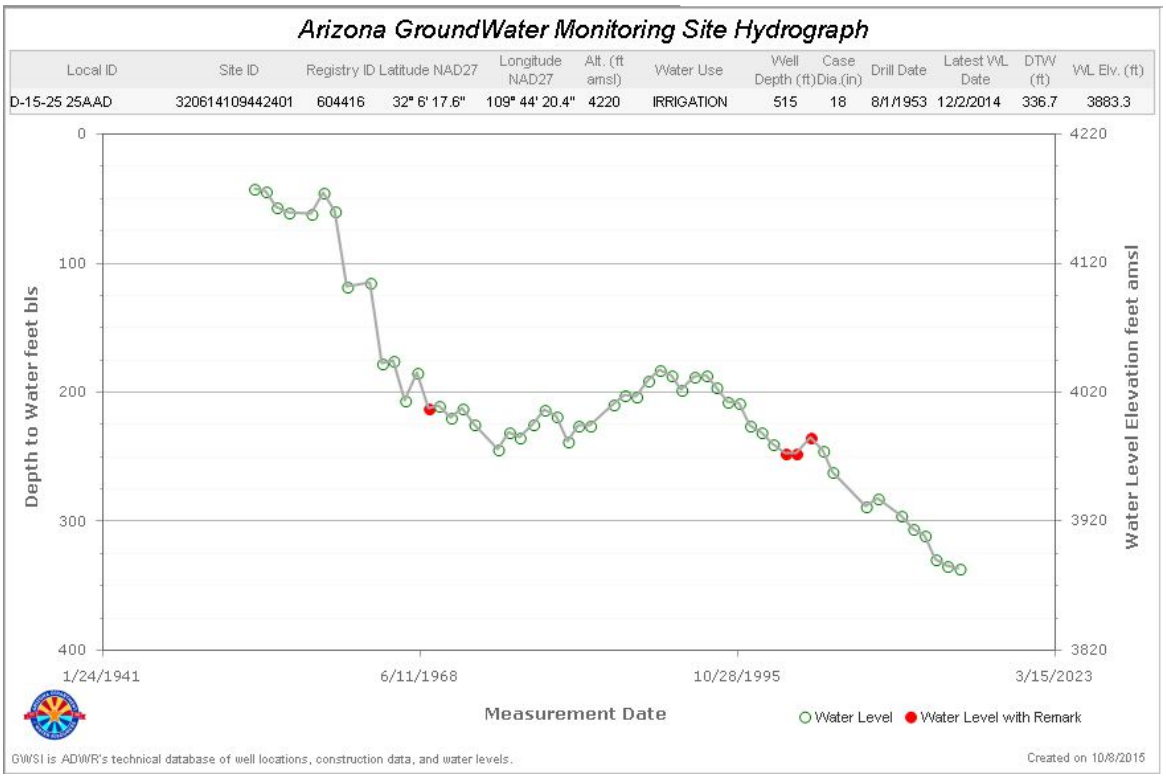

Appendix 12. Selected hydrographs for the Willcox Basin.

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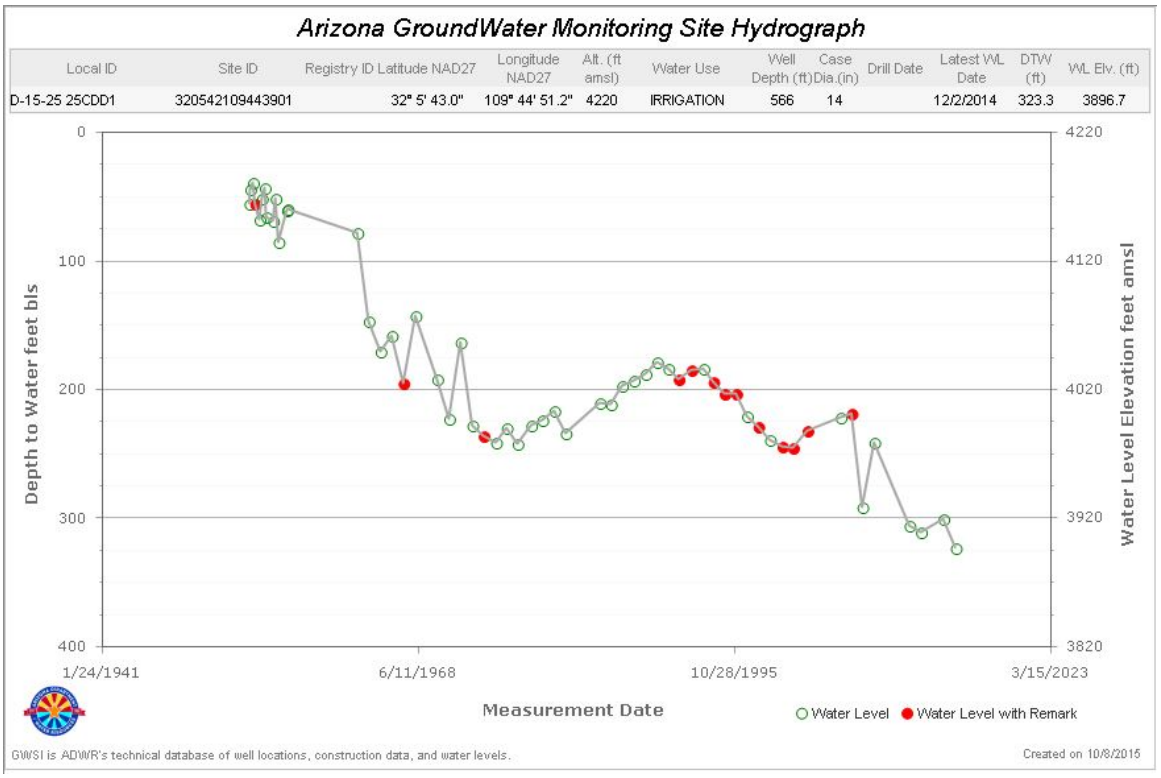

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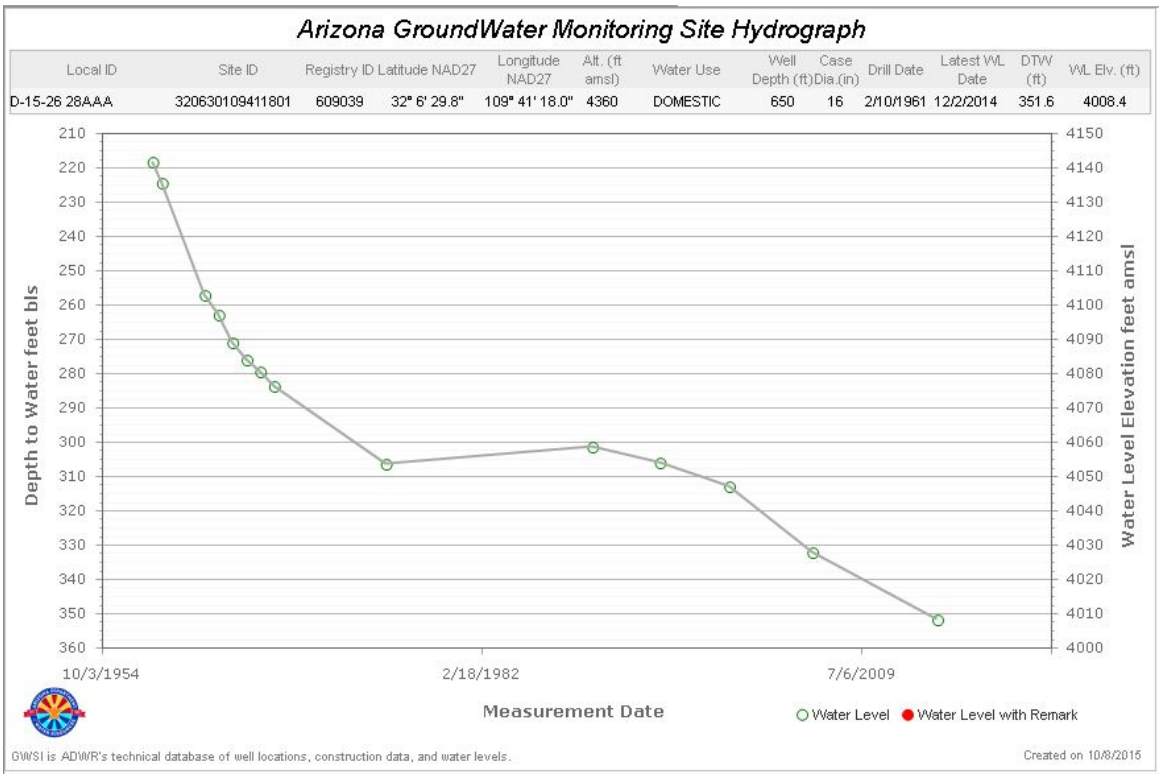

Appendix 12. Selected hydrographs for the Willcox Basin.

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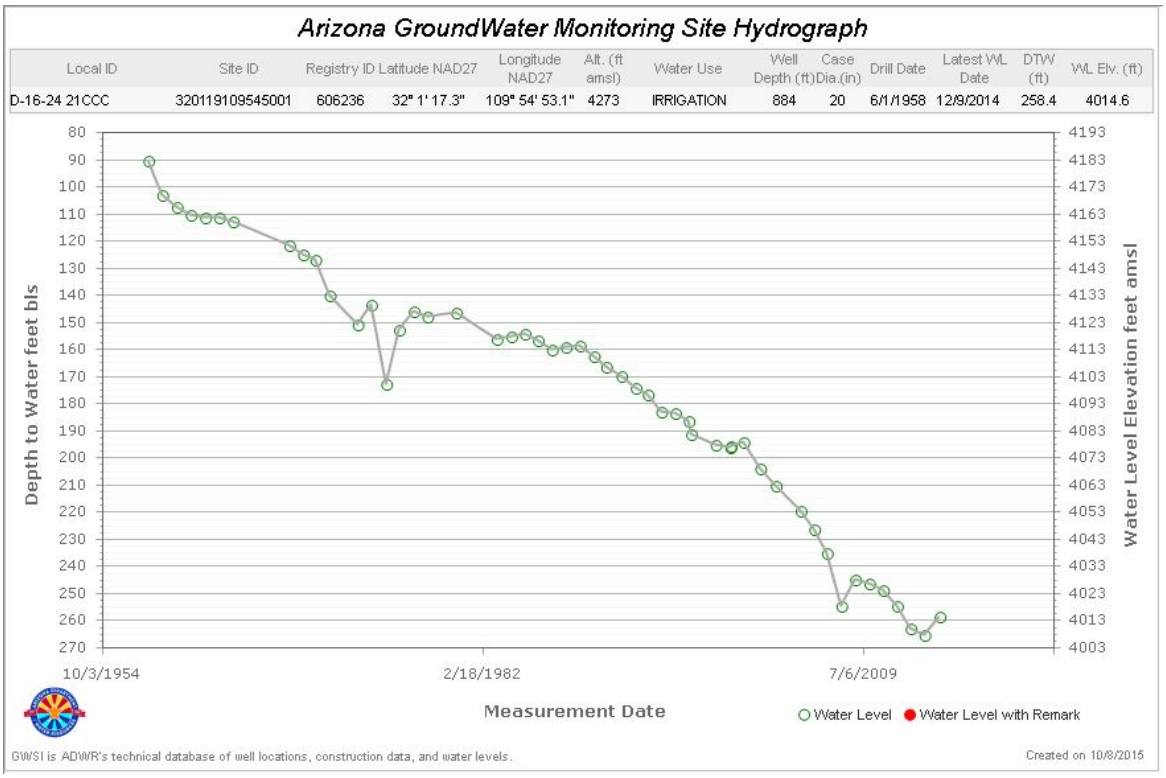

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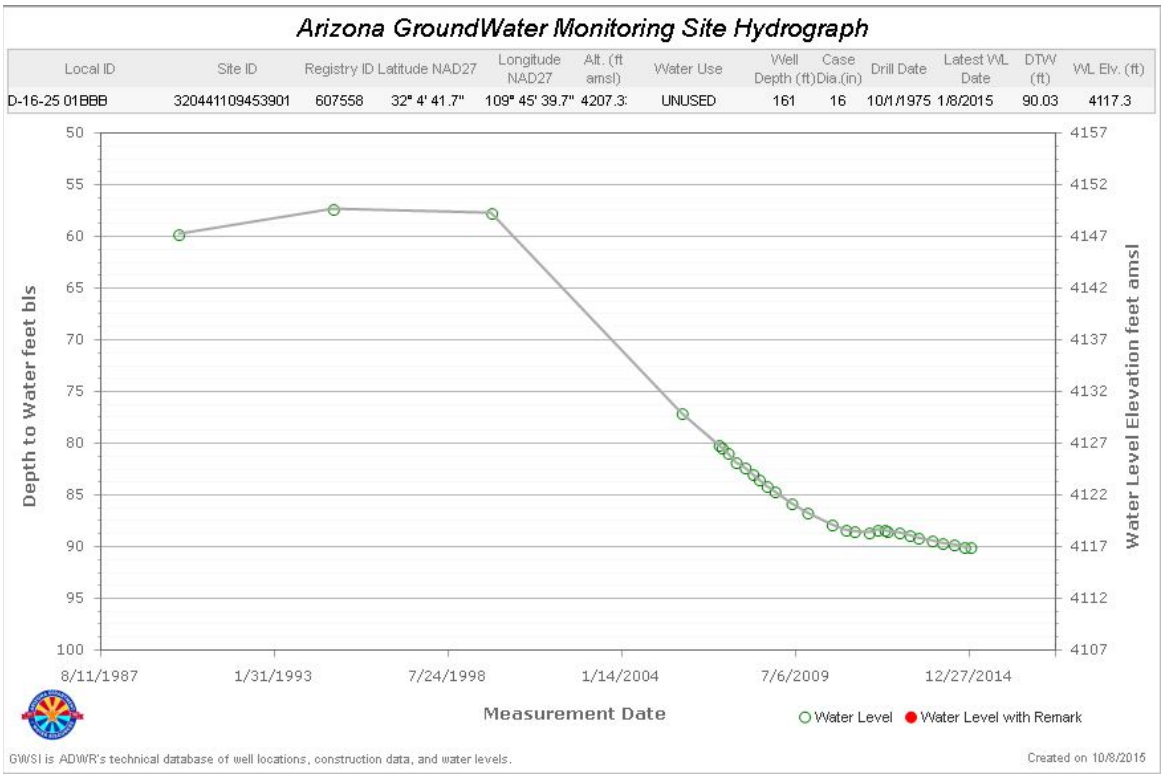

Appendix 12. Selected hydrographs for the Willcox Basin.

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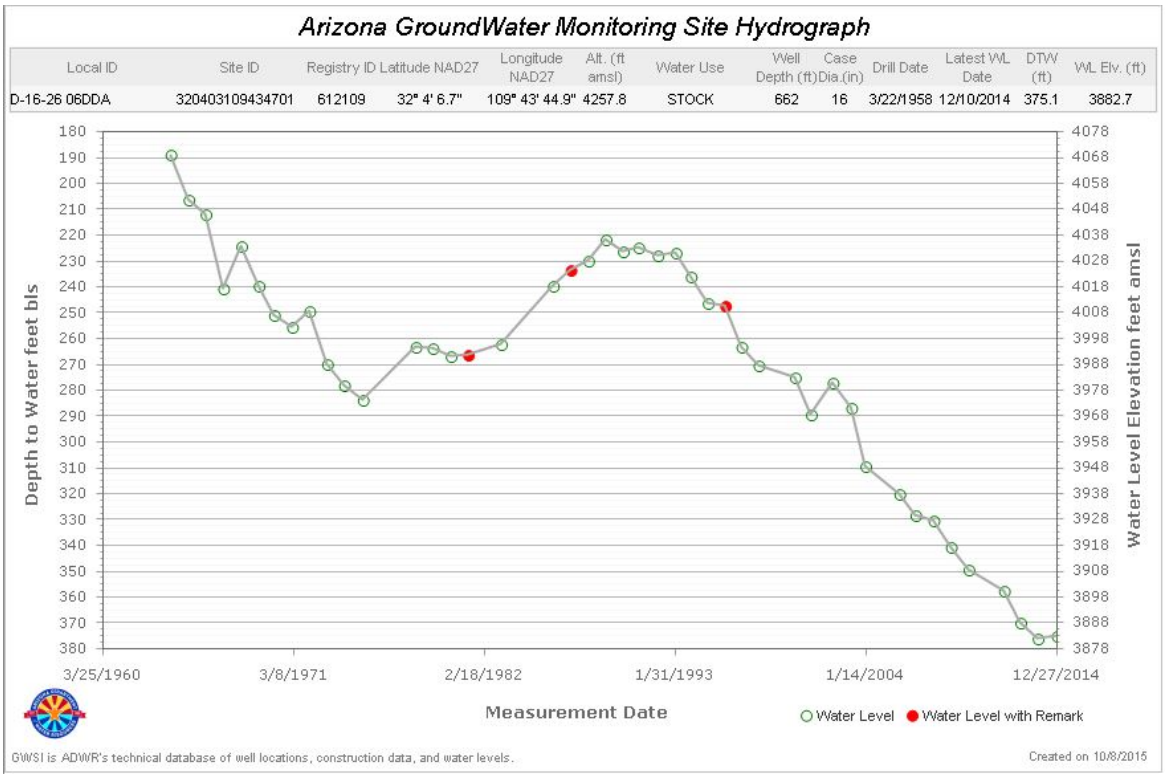

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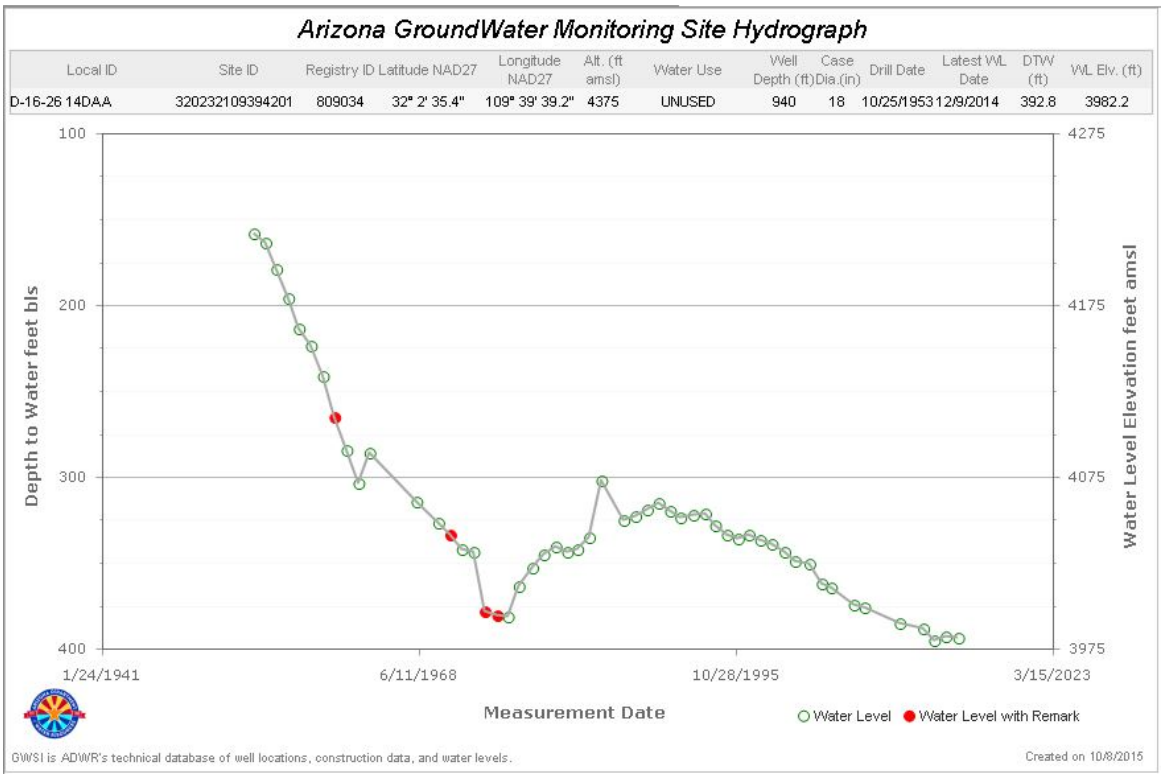

Appendix 12. Selected hydrographs for the Willcox Basin.

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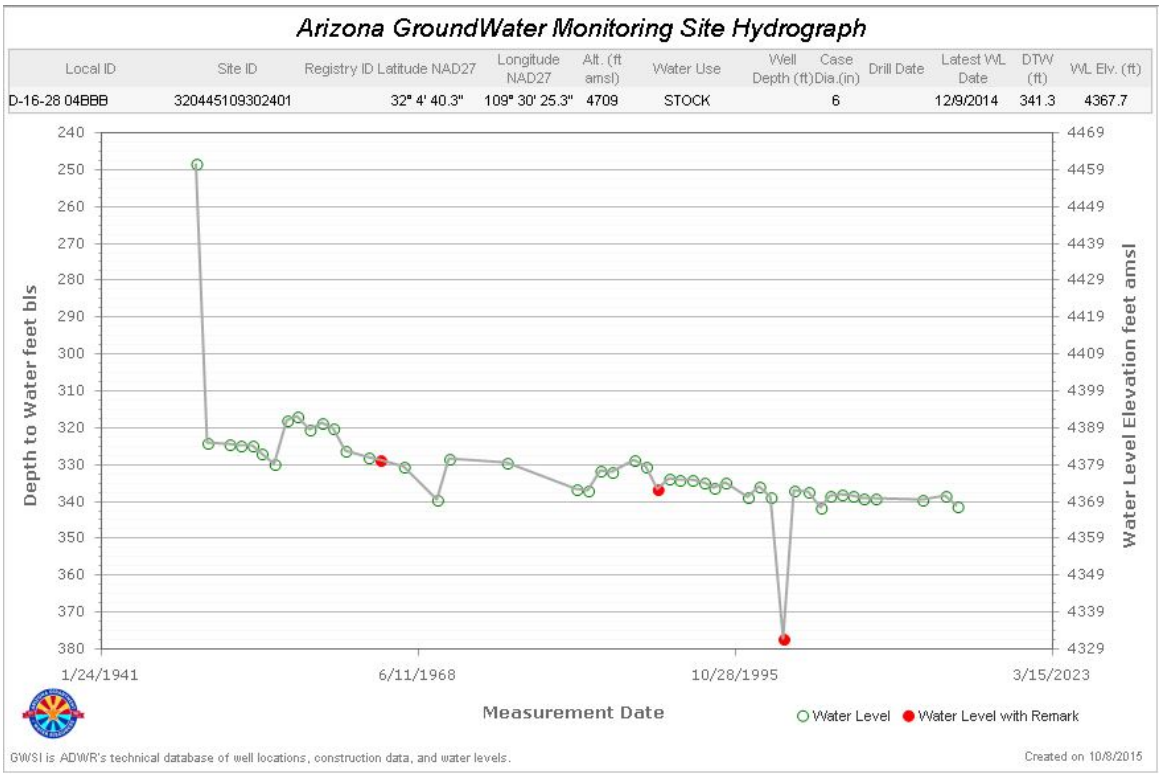

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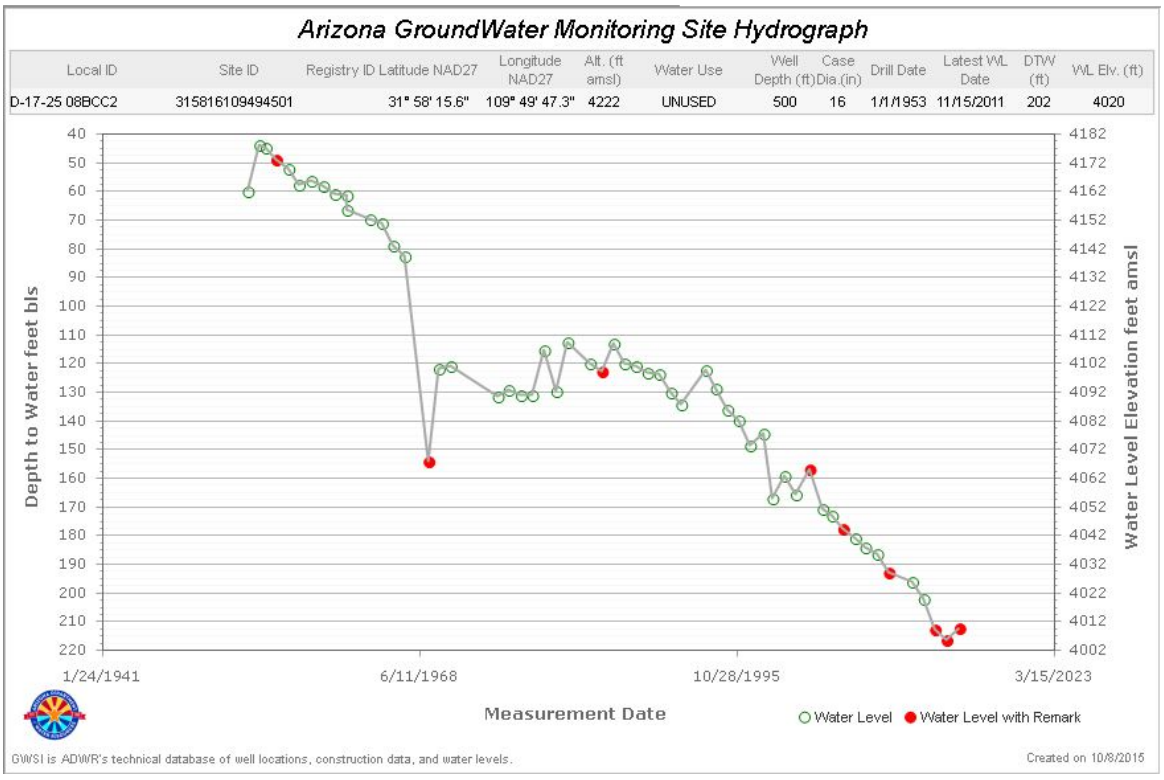

Appendix 12. Selected hydrographs for the Willcox Basin.

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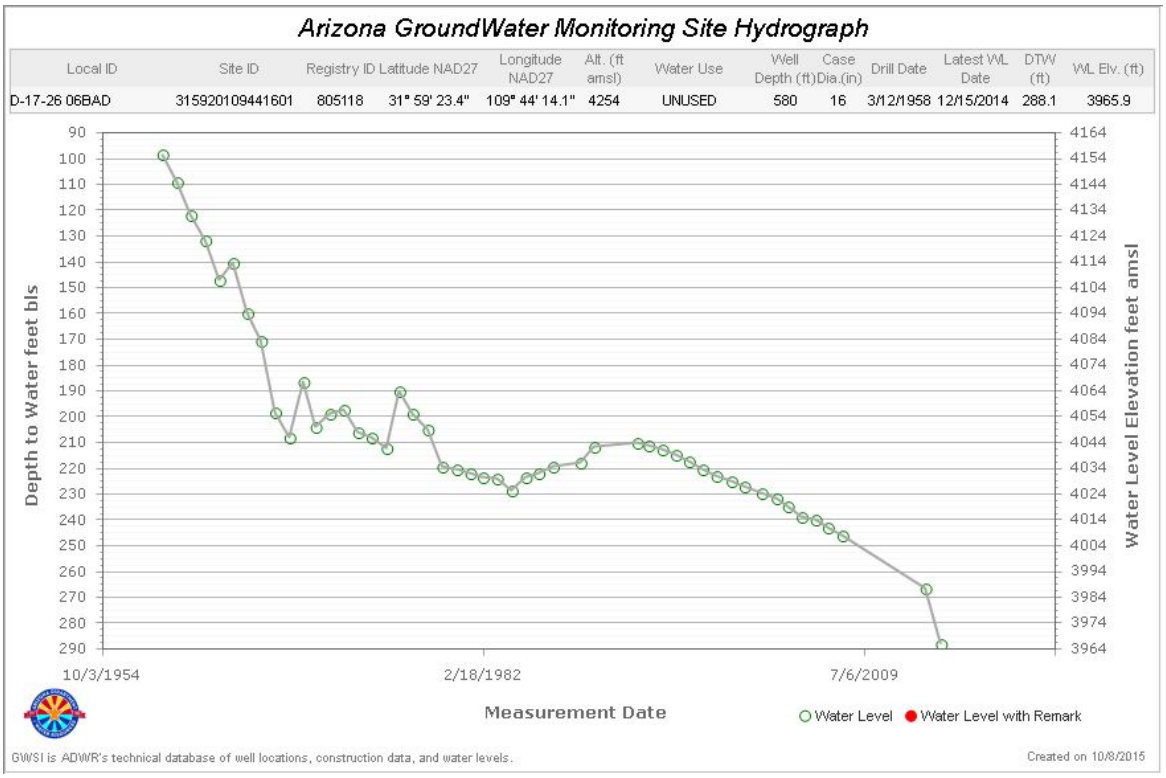

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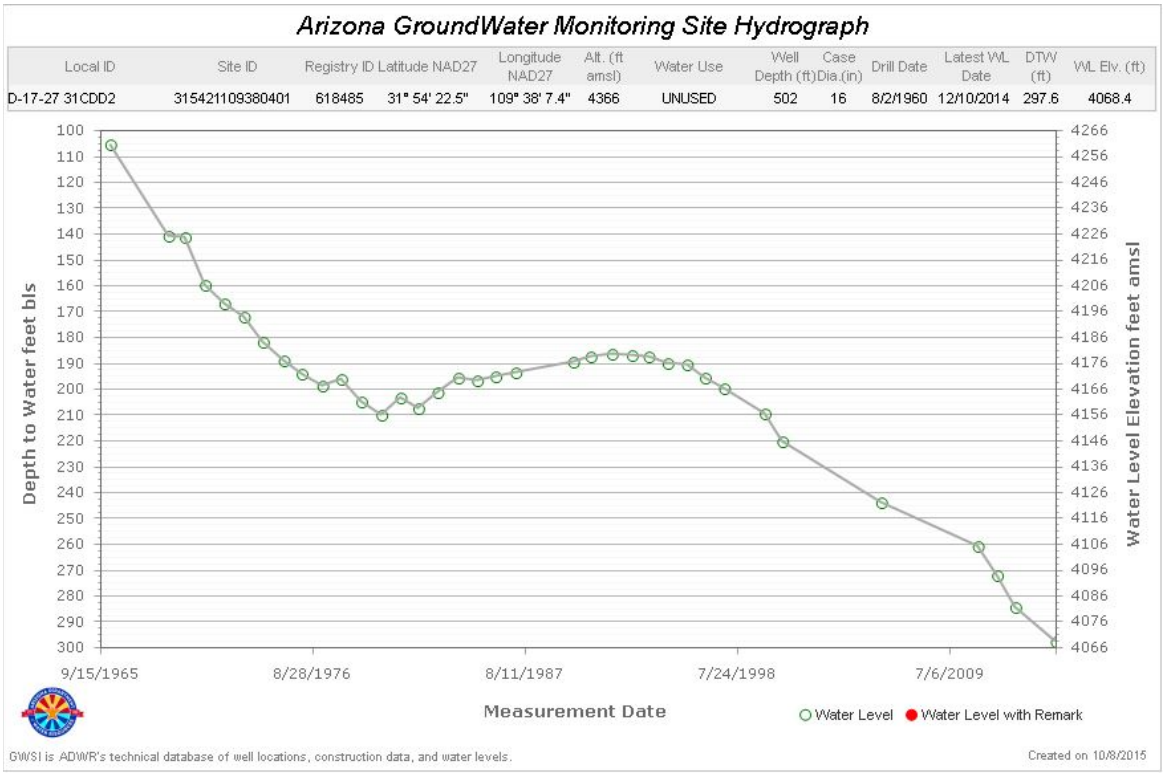

Appendix 12. Selected hydrographs for the Willcox Basin.

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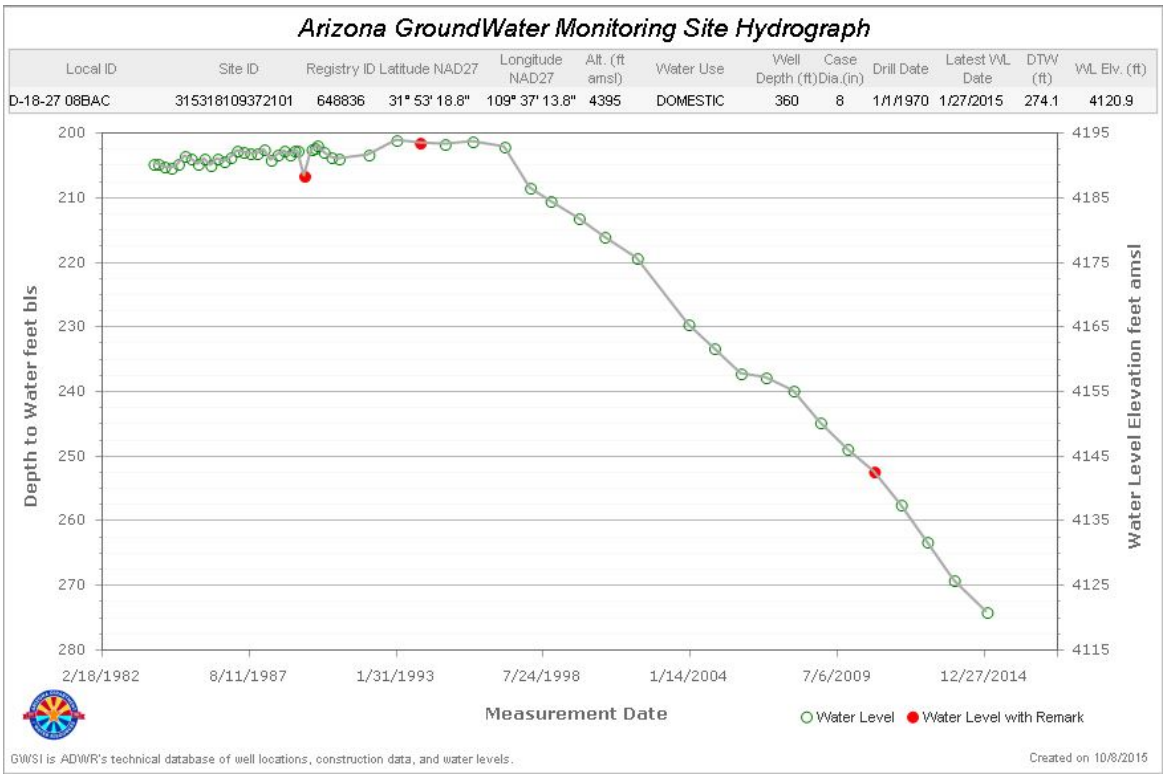

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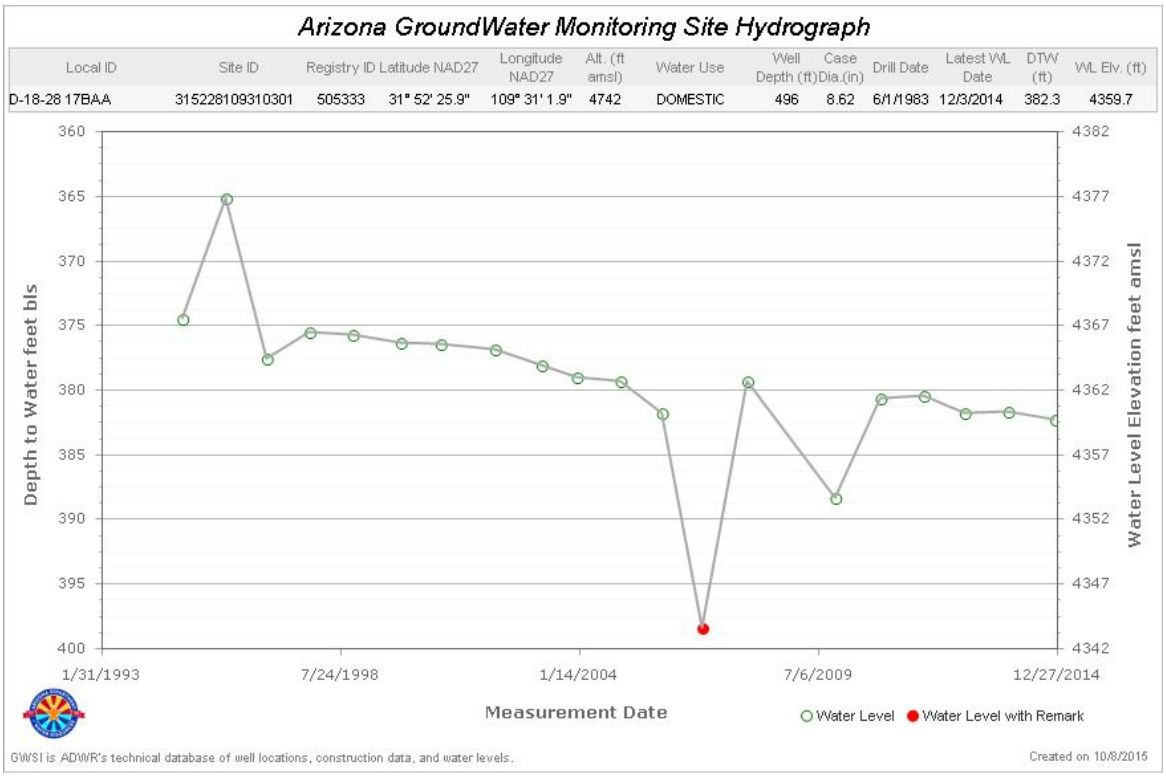

Appendix 12. Selected hydrographs for the Willcox Basin.

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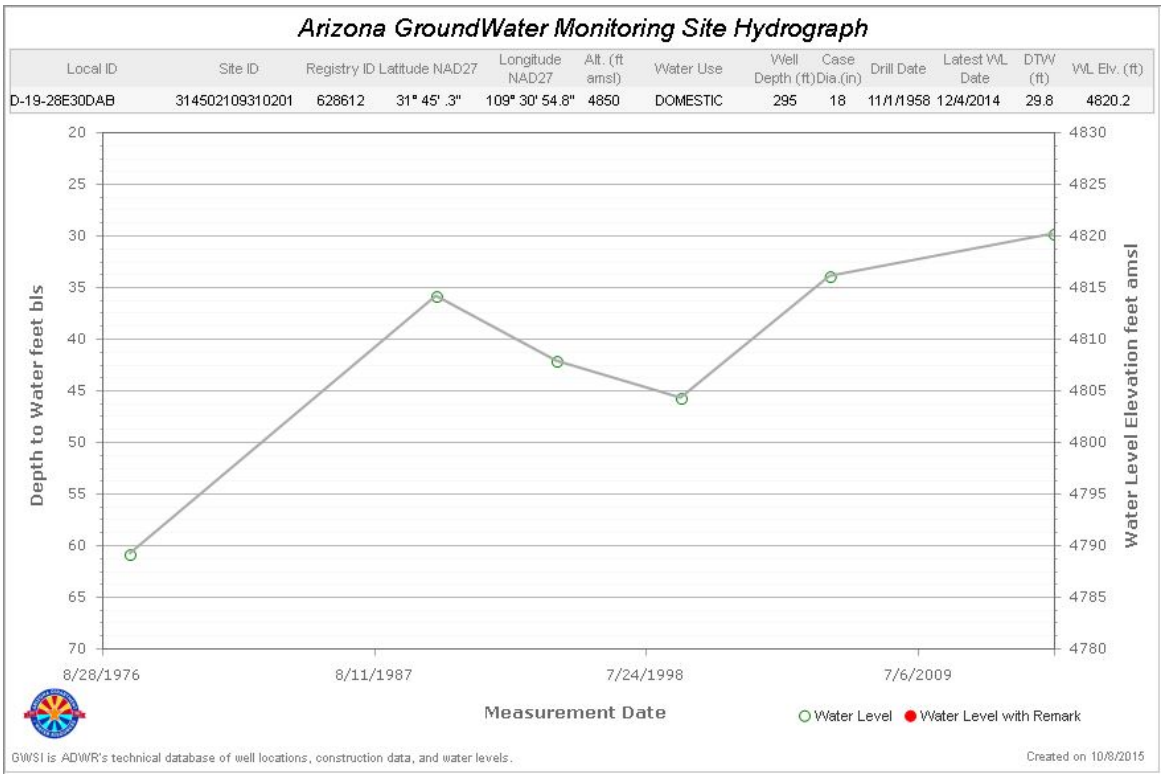

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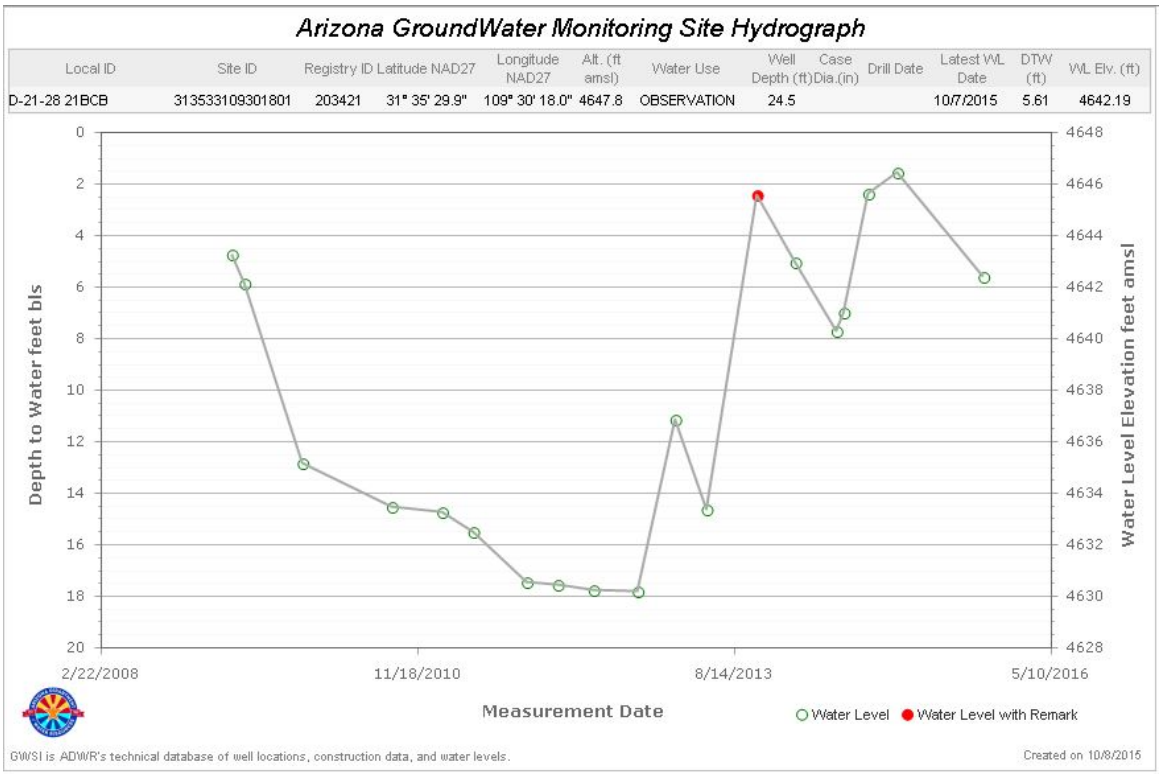

Appendix 13

USGS Estimated Groundwater Withdrawals in the Douglas Basin, Willcox Basin, and San Simon Valley Sub-basin, Pre-1915 to 1990.

Appendix 13. USGS Estimated Groundwater Withdrawals in the Douglas Basin, Willcox Basin, and San Simon Valley Sub-basin, Pre-1915 to 1990.

*	Douglas	Willcox	San Simon			Douglas	Willcox	San Simon
Pre 1915	1	0	5		1953	45	94	25
1915	1	2	10		1954	42	105	32
1916	0	2	8		1955	50	110	40
1917	0	1	8		1956	60	120	40
1918	0	0	6		1957	55	135	48
1919	0	0	6		1958	55	155	50
1920	0	0	5		1959	55	183	50
1921	0	0	5		1960	60	195	60
1922	0	0	5		1961	65	184	65
1923	0	0	5		1962	65	180	65
1924	0	0	5		1963	65	180	65
1925	0	0	5		1964	60	220	75
1926	0	1	4		1965	90	250	70
1927	0	1	4		1966	105	240	72
1928	0	2	4		1967	120	300	76
1929	0	2	4		1968	120	290	81
1930	1	1	4		1969	104	291	78
1931	1	1	4		1970	103	289	105
1932	2	1	3		1971	95	309	107
1933	2	1	3		1972	89	292	104
1934	2	1	3		1973	110	305	115
1935	2	1	3		1974	138	339	135
1936	2	1	3		1975	118	293	122
1937	2	1	3		1976	112	306	122
1938	2	2	3		1977	87	220	117
1939	2	2	3		1978	80	169	121
1940	5	2	3		1979	81	175	113
1941	5	5	3		1980	91	199	139
1942	5	5	4		1981	85	180	127
1943	5	5	4		1982	76	140	75
1944	5	5	4		1983	50	82	42
1945	8	9	5		1984	46	94	44
1946	12	15	6		1985	49	91	45
1947	17	20	6		1986	38	86	42
1948	22	23	6		1987	37	82	46
1949	30	28	6		1988	36	93	47
1950	35	35	6		1989	46	108	49
1951	38	38	6		1990	42	87	47
1952	42	39	15					

* Figures are x 1,000 Acre-Feet/Year

Appendix 14

USGS Estimated Municipal, Industrial, Electrical Power Generation and Mining Water Use in the Douglas Basin, Willcox Basin and San Simon Valley Sub-basin 1991 to 2014.

Appendix 14. USGS Estimated Municipal, Industrial, Electrical Power Generation and Mining Water Use in the Douglas Basin, Willcox Basin and San Simon Valley Sub-basin 1991 to 2014.

	Douglas Basin				Willcox Basin						San Simon Valley Sub-basin		
*	AG	MUNI	TOTAL		AG	MUNI	ELECTRIC POWER	MINING	TOTAL		AG	MUNI	TOTAL
1991	31	5.5	36.5		124	2.5	6.6	0.3	133.4		46	0.25	46.25
1992	34	5.4	39.4		112	2.6	6.5	0.3	121.4		42	0.25	42.25
1993	32.5	4.8	37.3		128	2.5	5	0.3	135.8		48	0.25	48.25
1994	36.5	6	42.5		130	2.6	5.9	0.3	138.8		48	0.25	48.25
1995	30	5.2	35.2		124	2.6	5.7	0.3	132.6		46	0.25	46.25
1996	37.5	7	44.5		125	2.7	4.1	0.3	132.1		47	0.25	47.25
1997	39.5	6	45.5		127	2.8	4.6	0.3	134.7		48	0.25	48.25
1998	37	6	43		128	2.8	5.6	0.3	136.7		48	0.25	48.25
1999	32.5	6	38.5		104	2.6	5.7	0.3	112.6		49	0.25	49.26
2000	39	5.8	44.8		134	2.7	6	0.3	143		51	0.25	51.25
2001	41.5	5	46.5		152	2.6	5.5	0.3	160.4		49	0.25	49.25
2002	47.5	5.6	53.1		166	2.8	5.2	0.3	174.3		46	0.25	46.25
2003	54.5	6.4	60.9		180	2.7	6.1	0.3	189.1		51	0.25	51.25
2004	48.5	5.1	53.6		151	2.8	5.7	0.3	159.8		48	0.25	48.25
2005	40.5	5.3	45.8		182	2.8	5.8	0.3	190.9		49	0.25	49.25
2006	48	5.5	53.5		166	2.8	6.2	0.3	175.3		50	0.25	50.25
2007	45	5.6	50.6		183	2.9	6.3	0.3	192.5		51	0.25	51.25
2008	52	5	57		198	2.7	6	0.3	207		49	0.25	49.25
2009	46	6	52		145	2.8	4.6	0.3	152.7		46	0.25	46.25
2010	46	5.7	51.7		162	2.8	5	0.3	170.1		50	0.25	50.25
2011	42	5.6	47.6		148	2.7	4.6	0.3	155.6		50	0.25	50.25
2012	68.5	4.8	73.3		161	2.5	3.8	0.3	167.6		48	0.25	48.25
2013	54	4.8	58.8		161	2.5	4.6	0.3	168.4		51	0.25	51.25
2014	45.5	4.8	50.3		172	2.5	5.3	NA	179.8		44	0.25	44.25

* Figures are X 1,000 Acre-Feet/Year

Appendix 15

USGS Estimated Agricultural Acreage 1991 to 2014
Douglas and Willcox Basins and the San Simon
Valley Sub-basin.

Appendix 15. USGS Estimated Agricultural Acreage 1991 to 2014 Douglas and Willcox Basins and the San Simon Valley Sub-basin.

		AG Acres			
Year		Combined	San Simon	Willcox	Douglas
1991		57200	12400	35500	9300
1992		53800	11200	32400	10200
1993		57000	12800	34400	9800
1994		56600	13000	32600	11000
1995		57900	12400	36500	9000
1996		55900	12600	32000	11300
1997		60900	12800	36200	11900
1998		60500	12800	36500	11200
1999		56300	12200	34300	9800
2000		64800	13800	39200	11800
2001		70600	13000	45400	12200
2002		65600	12200	41400	12000
2003		65300	12300	40000	13000
2004		69200	13100	44100	12000
2005		68500	13100	44900	10500
2006		68700	13500	43800	11400
2007		75700	12400	50700	12600
2008		97500	12400	67600	17500
2009		84400	13000	54400	17000
2010		89300	13000	57600	18700
2011		92400	14700	60800	16900
2012		107300	15900	67300	24100
2013		99100	17700	59700	21700
2014		120100	19700	77100	23300