

Aquifer Storage and Recovery Project

2012 Annual Accounting Report

prepared for

**City of Wichita
Wichita, Kansas**



October 2013

Project No. 73613



INDEX AND CERTIFICATION

Aquifer Storage and Recovery Project 2012 Accounting Report City of Wichita

Project 73613

Report Index

<u>Chapter Number</u>	<u>Chapter Title</u>	<u>Number of Pages</u>
1	Introduction	2
2	2012 Operations	3
3	Hydrologic Conditions	5
4	Groundwater Modeling	11
Appendix A	2012 Index Cell Water Budget Summaries	77
Appendix B	2012 Water Budget Report with ASR	21
Appendix C	Chemical, Physical, Radiological and Biological Quality of Water Diverted & Stored	2
Appendix D	2012 Historic Index Water Level Data	114
Appendix E	Key Groundwater Quality Parameter Data	45
Appendix F	2012 Monthly & Annual Precipitation Data	25
Appendix G	2012 Withdrawals from Non-Domestic Wells	34
Appendix H	2012 Annual Streamflow, Including Baseflow & Above Baseflow Stage	10

Certification

I hereby certify, as a Professional Engineer in the state of Kansas, that the information in the document was assembled under my direct personal charge. This report is not intended or represented to be suitable for reuse by the City of Wichita or others without specific verification or adaptation by the Engineer. This certification is made in accordance with the provisions of the laws and rules of the State of Kansas under Kansas Administrative Code.





Paul A. McCormick, P.E.

Date: OCTOBER 30, 2013

(Reproductions are not valid unless signed,
dated, and embossed with Engineer's seal)

TABLE OF CONTENTS

	<u>Page No.</u>
1.0 INTRODUCTION	1-1
1.1 Background.....	1-1
1.2 Accounting Report Components	1-1
2.0 2011 OPERATIONS	2-1
2.1 Type Of Source Water Used For Recharge	2-1
2.2 Quantity Of Water Available.....	2-1
2.3 Quantity Of Water Diverted	2-1
2.4 Recharge Techniques Utilized.....	2-1
2.5 Quantity Recharged By Each Technique.....	2-2
2.6 Total Quantity Of Source Water Stored In Basin Storage Area	2-3
2.7 Chemical, Physical, Radiological And Biological Quality Of Each Type Of Water	2-3
2.8 Monthly And Annual Summary Of Recharge Credits Withdrawn	2-3
3.0 HYDROLOGIC CONDITIONS	3-1
3.1 Quarterly Index Water Levels	3-1
3.2 Key Groundwater Quality Parameters.....	3-1
3.3 Monthly And Annual Precipitation Data.....	3-1
3.4 Withdrawals From Non-Domestic Wells	3-1
3.5 Annual Streamflow, Including Baseflow And Above Baseflow Stage.....	3-4
3.6 Summary Of Conjunctive Use Amounts	3-4
3.7 Water Supply And Demand Forecast For The Next Three Years	3-5
4.0 GROUNDWATER MODELING	4-1
4.1 Background.....	4-1
4.2 Model Implementation For Asr Accounting	4-3
4.3 Model Setup And Implementation	4-3
4.4 Basin Storage Area Stresses For Model Input.....	4-4
4.4.1 Precipitation And Recharge.....	4-4
4.4.2 Streamflow	4-4
4.4.3 Groundwater Pumping.....	4-5
4.5 Model Calibration.....	4-5
4.6 Model Water Budget	4-5
4.7 Specific Water Budget Components.....	4-7
4.7.1 Natural And Artificial Recharge	4-7
4.7.2 Groundwater Inflow And Outflow	4-8
4.7.3 Evaporation And Transpiration	4-8
4.7.4 Groundwater Diversions From Non-Domestic Wells	4-8
4.7.5 Infiltration From Streams	4-8
4.7.6 Groundwater Discharge To Streams	4-9
4.8 Calculated Recharge Credits	4-9

Appendices

Appendix A..... 2012 Index Cell Water Budget Summaries

Appendix B.....2012 Water Budget Reports

Appendix C.....Chemical, Physical, Radiological and Biological Quality
For Water Diverted & Stored

Appendix D..... Historic Index Well Water Level Data

Appendix E..... Key Groundwater Quality Parameter Data

Appendix F2012 Monthly & Annual Precipitation Data

Appendix G..... 2012 Withdrawals from Non-Domestic Wells

Appendix H..... 2012 Annual Streamflow, Including Baseflow & Above Baseflow Stage

* * * * *

LIST OF TABLES

<u>Table No.</u>	<u>Page No.</u>
2.1 2012 Metered Diversion, Recharge and Recovery Volumes	2-2
2.2 Total Quantity Recharged to Basin	2-3
3.1 City of Wichita Three-Year Projected Water Demand	3-5
4.1 Model Simulated Stream Flows	4-4
4.2 Modeled Average Annual Precipitation	4-7
4.3 2012 Recharge Credit Summary	4-11

LIST OF FIGURES

<u>Figure No.</u>	<u>Page No.</u>
1.1 ASR Facility Locations	1-2
3.1 January 2012 Water Level Contour Map	3-2
3.2 January 2013 Water Level Contour Map	3-3
3.3 Little Arkansas River Flow & Diversion Well Operations, Jan 1 – Dec 31, 2012	3-4
4.1 Accounting Model Area and Boundary Conditions	4-2
4.2 Index Accounting Cells as Hydrostratigraphic Units	4-6

* * * * *

1.0 INTRODUCTION

The purpose of this report is to provide a summary of the recharge and recovery activities for the City of Wichita Aquifer Storage and Recovery (ASR) project in the *Equus* Beds aquifer during calendar year 2012 and to provide an accounting of recharge credits claimed for the year as required by the Kansas Department of Agriculture, Division of Water Resources (DWR).

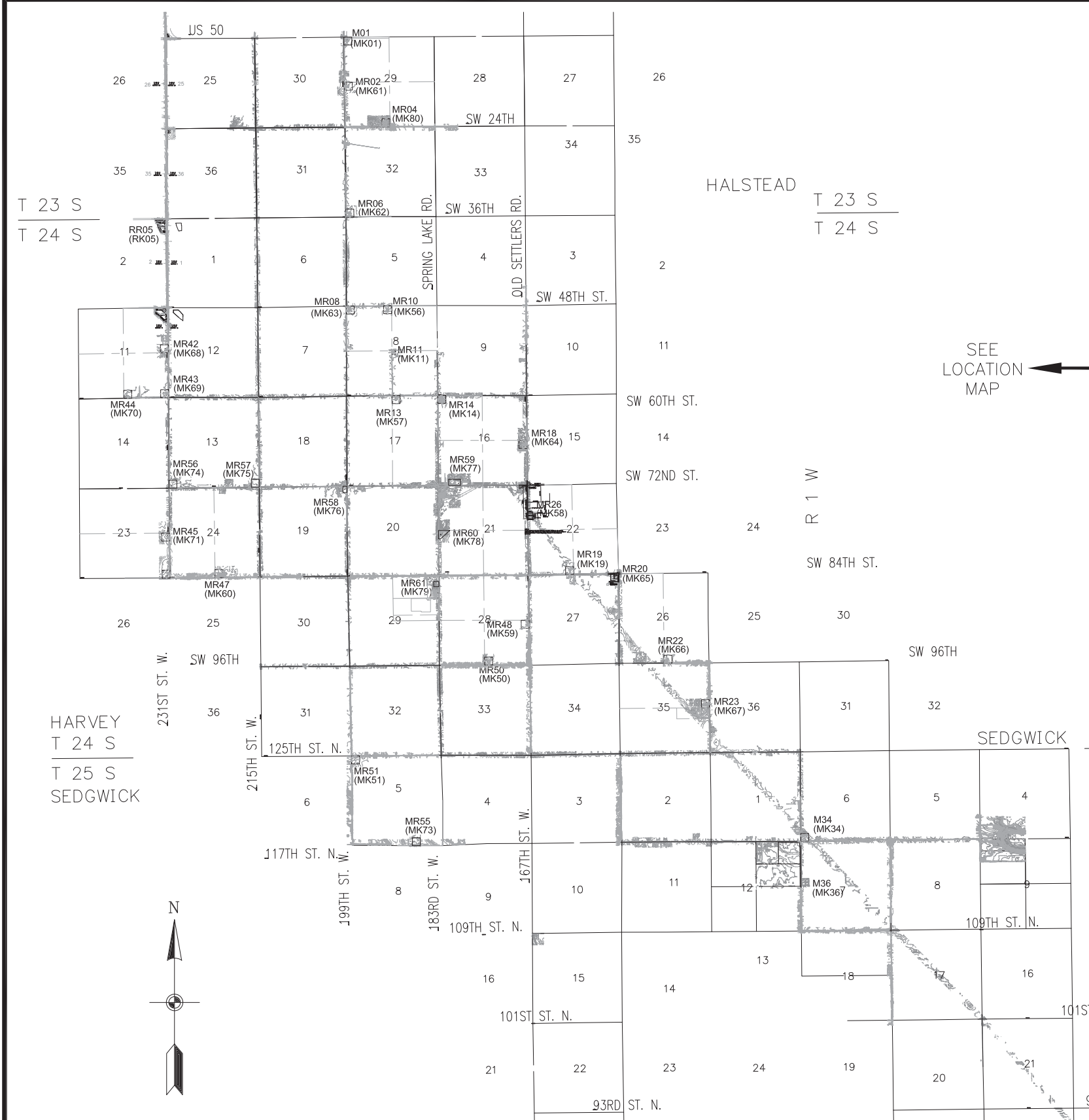
1.1 BACKGROUND

Construction of Phase I of the City's ASR project was completed in 2007. Phase II was substantially complete on May 1, 2012, with final completion testing anticipated to occur in 2013. Phase I, designed to permit recharge of up to 10 million gallons per day (MGD), consists of three diversion wells, a surface water intake, a surface water treatment plant, 15 miles of pipeline, four recharge wells, two recharge basins and 50 monitoring wells. The Phase I recharge facilities are strategically located with the intent of developing a hydraulic barrier to slow the advancement of the Burrton brine plume toward the Wichita well field. Phase II, designed to permit recharge of up to 30 million gallons per day (MGD), consists of a surface water intake, a surface water treatment plant, approximately 19 miles of pipeline, 30 recharge wells, one recharge basin and 66 monitoring wells. A map of the facilities is presented in Figure 1.1. Due to the persistent drought conditions in the region, operation of the Phase I facilities was limited and Phase II facilities were only operated for system testing in 2012.

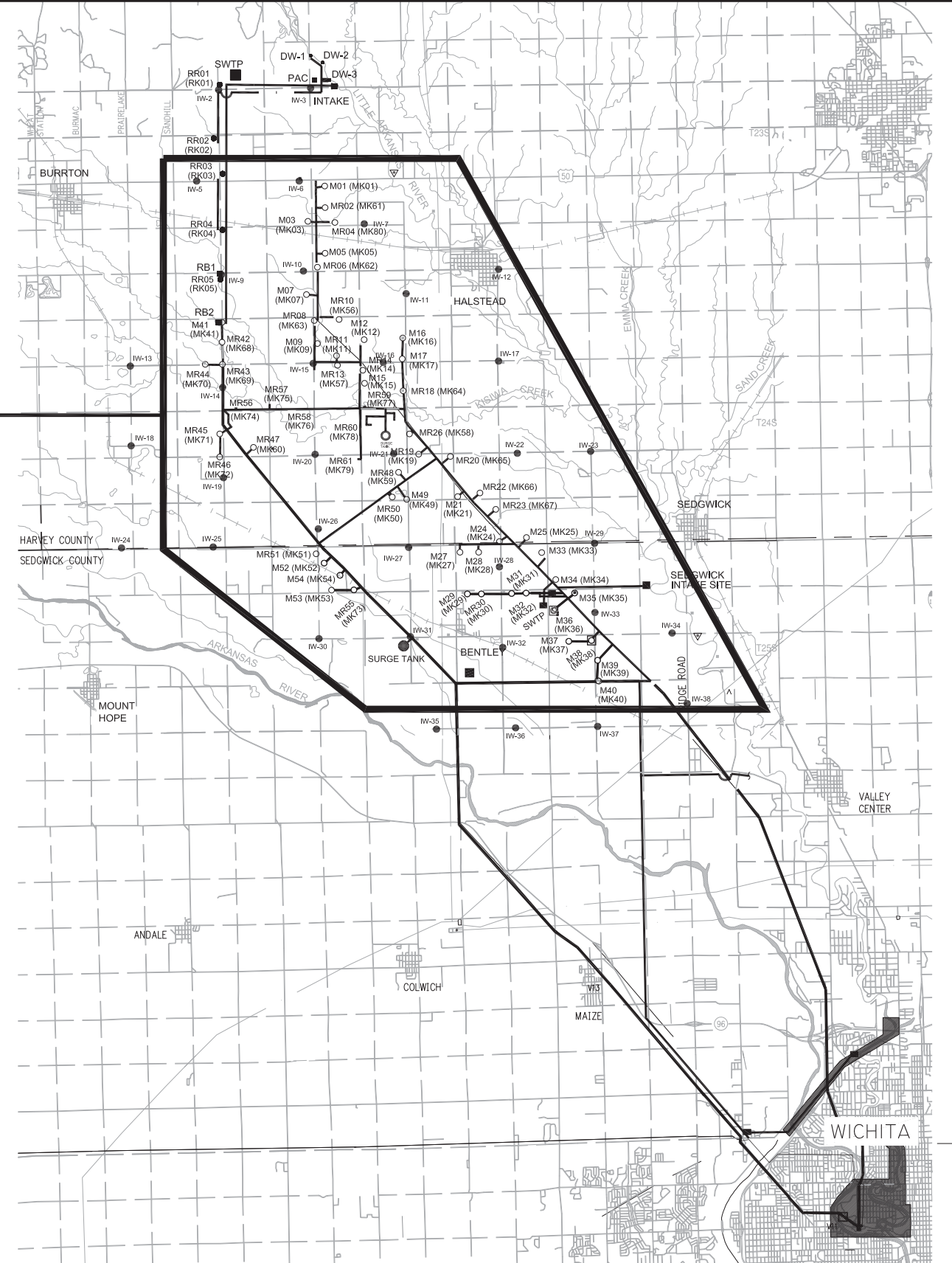
1.2 ACCOUNTING REPORT COMPONENTS

The Basin Storage Area is defined by the DWR in the Chief Engineer's Order approving the Wichita ASR applications, and is delineated by the index cells. Per the DWR Chief Engineer's Order, "recharge credit accounting shall use a groundwater flow model and specifically address the following items for each cell in the Basin Storage Area":

- Natural and artificial recharge
- Groundwater inflow and outflow
- Evaporation and transpiration
- Groundwater diversions from all non-domestic wells
- Infiltration from streams
- Groundwater discharge to streams
- Calculated recharge credits
- Surface water diversions



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

SEE LOCATION MAP




Figure 1.1
LOCATION AND
VICINITY MAP

2.0 2012 OPERATIONS

ASR Phase I facilities were available for operation for the sixth full year in 2012. Phase II construction was substantially complete in 2012, but the system has not completed testing due to the ongoing drought. Diversion of above baseflow water for Phase I is permitted when flow in the Little Arkansas River as measured at the Highway 50 gage exceeds 20 cubic feet per second (cfs) between October 1 and March 31, and when the flow exceeds 57 cfs between April 1 and September 30. Diversion of above baseflow water for Phase II is permitted when flow in the Little Arkansas River as measured at the Valley Center gage exceeds 30 cfs.

2.1 TYPE OF SOURCE WATER USED FOR RECHARGE

Source water for the recharge project can currently be taken directly from the Little Arkansas River using river-bank infiltration groundwater from the three Phase I diversion wells located along the banks of the Little Arkansas River or from the Phase II surface water intake. Due to the ongoing drought, the diversion sources were only available for a limited period of time in 2012 and river water was diverted for operations on a few occasions in 2012.

2.2 QUANTITY OF WATER AVAILABLE

Based on the daily average flow data from the U.S. Geological Survey (USGS) Highway 50 gage, streamflow exceeded the minimum limit for Phase I diversion and recharge operations a total of 38 days in 2012. Based on the daily average flow data from the USGS Valley Center gage, streamflow exceeded the minimum limit for Phase II diversion and recharge operations a total of 117 days in 2012.

2.3 QUANTITY OF WATER DIVERTED

A total of 156.4 acre-feet of water was diverted using the three riverbank infiltration diversion wells and the Phase II surface water intake for recharge purposes during 2012. The quantity of water diverted by each diversion well is summarized in Table 2.1.

2.4 RECHARGE TECHNIQUES UTILIZED

During 2012, water was recharged to the Basin Storage Area using the Phase I wells and infiltration basins RB-2 and RB-36. Recharge testing of some of the Phase II wells was completed utilizing groundwater from other production wells. No recharge of the basin storage area occurred during the Phase II well testing, as the source of any testing water injected into the Phase II wells was the aquifer, and the water was immediately pumped back out of the wells after the recharge testing was complete.

2.5 QUANTITY RECHARGED BY EACH TECHNIQUE

A total of 115.8 acre-feet was recharged during 2012. The quantity of water recharged by each technique is summarized in Table 2.1.

**Table 2.1
2012 Metered Diversion, Recharge and Recovery Volumes**

	(gallons)	(acre-feet)
<u>Diversions:</u>		
Phase I Surface Intake	0	0.00
DW1	12,250,944	37.60
DW2	12,237,192	37.56
DW3	13,563,520	41.63
Phase II Surface Intake	12,914,000	39.63
	Total	156.42
<u>Recharged (metered):</u>		
RB2	19,157,748	58.80
RRW1 (RK01)	3,278,915	10.06
RRW2 (RK02)	5,134,273	15.76
RRW3 (RK03)	3,645,280	11.19
RRW4 (RK04)	6,141,944	18.85
RB36	370,000	1.14
	Total	115.79
<u>Recharge Credits Recovered:</u>		
RRW1 (RK01)	0.00	0.00
RRW2 (RK02)	0.00	0.00
RRW3 (RK03)	0.00	0.00
RRW4 (RK04)	0.00	0.00
	Total	0.00
<u>Recharge Well Maintenance Pumping:</u>		
RRW1 (RK01)	105,100	0.32
RRW2 (RK02)	208,790	0.64
RRW3 (RK03)	169,940	0.52
RRW4 (RK04)	203,151	0.62
	Total	2.11
<u>Surface Water Diversions sent to City:¹</u>		
City Use	4,132,000	12.68
¹ Surface water that was diverted and sent directly to the City's main treatment plant for treatment and use.		
<u>Surface Water Treatment Plant Operations Water:²</u>		
RB1	0	0.00
² Surface water that passes through plant during startup that is not recharged due to high turbidity. This water was diverted to a drainage ditch and was not metered.		
<u>Water Diverted for System Operations:³</u>		
System	9,475,496	29.08
³ Water used to flush pipelines, fill tanks and/or drain the pipeline for system deactivation.		

2.6 TOTAL QUANTITY OF SOURCE WATER STORED IN BASIN STORAGE AREA

The following volumes have been recharged to the Basin Storage Area:

**Table 2.2
Total Quantity Recharged to Basin Storage Area.**

Volume Recharged to Basin in 2006-2011 (acre-feet)	Volume Recharged to Basin in 2012 (acre-feet)	Total Volume Recharged (acre-feet)
2845.13	115.79	2960.92

2.7 CHEMICAL, PHYSICAL, RADIOLOGICAL AND BIOLOGICAL QUALITY OF EACH TYPE OF WATER

Groundwater pumped from the three diversion wells and recharged to the Basin Storage Area is not treated. Therefore the diverted water quality and the stored water quality are the same for the water diverted by the three diversion wells. River water diverted through the Phase I surface water intake would be treated at the Phase I surface water treatment plant with powdered activated carbon and an ACTIFLO flocculation and filter treatment process with ultraviolet disinfection. The Phase I plant is not currently operational, so the surface water intake is not utilized. River water diverted through the Phase II surface water intake is treated at the Phase II surface water treatment plant using membrane filtration and HiPOx Advanced Oxidation process for disinfection.

During 2012 water from the three Phase I diversion wells was recharged to the Phase I wells and basin RB-2. Groundwater from the City wellfield was used for testing Phase II and basin RB-36. Appendix C contains the analytical results obtained from analysis of the samples collected during recharge operations in 2012.

2.8 MONTHLY AND ANNUAL SUMMARY OF RECHARGE CREDITS WITHDRAWN

The City summarizes annual withdrawals in the Water Use Report, and monthly withdrawals on a Supervisory Control and Data Acquisition (SCADA) system report. There has been no recovery of stored water to date, as summarized in Table 2.1.

3.0 HYDROLOGIC CONDITIONS

3.1 QUARTERLY INDEX WATER LEVELS

Groundwater Management District No. 2 (GMD2) collects water level measurements on a quarterly basis from the ASR index wells. In addition, the USGS collects water levels annually when they collect groundwater samples from the index wells. These water level data were obtained from the GMD2 and USGS and combined to create a summary table that is included in Appendix D of this report. In addition, water level hydrographs were created and are included in Appendix D to illustrate the changes in water level elevations through time. Water level change maps are created annually by the USGS but had not been published for 2012 at the time this report was published, so they are not included in this report.

Figures 3.1 and 3.2 are groundwater surface elevation contour maps generated using the GMD2 level “C” index well water level data for January of 2012 and January 2013, respectively. These contour maps illustrate the groundwater potentiometric surface elevations in the deeper monitoring wells in the Basin Storage Area during a low-water use period, when irrigation and municipal use are typically at their lowest. As shown by these maps, the groundwater flow is generally from the west to the east.

3.2 KEY GROUNDWATER QUALITY PARAMETERS

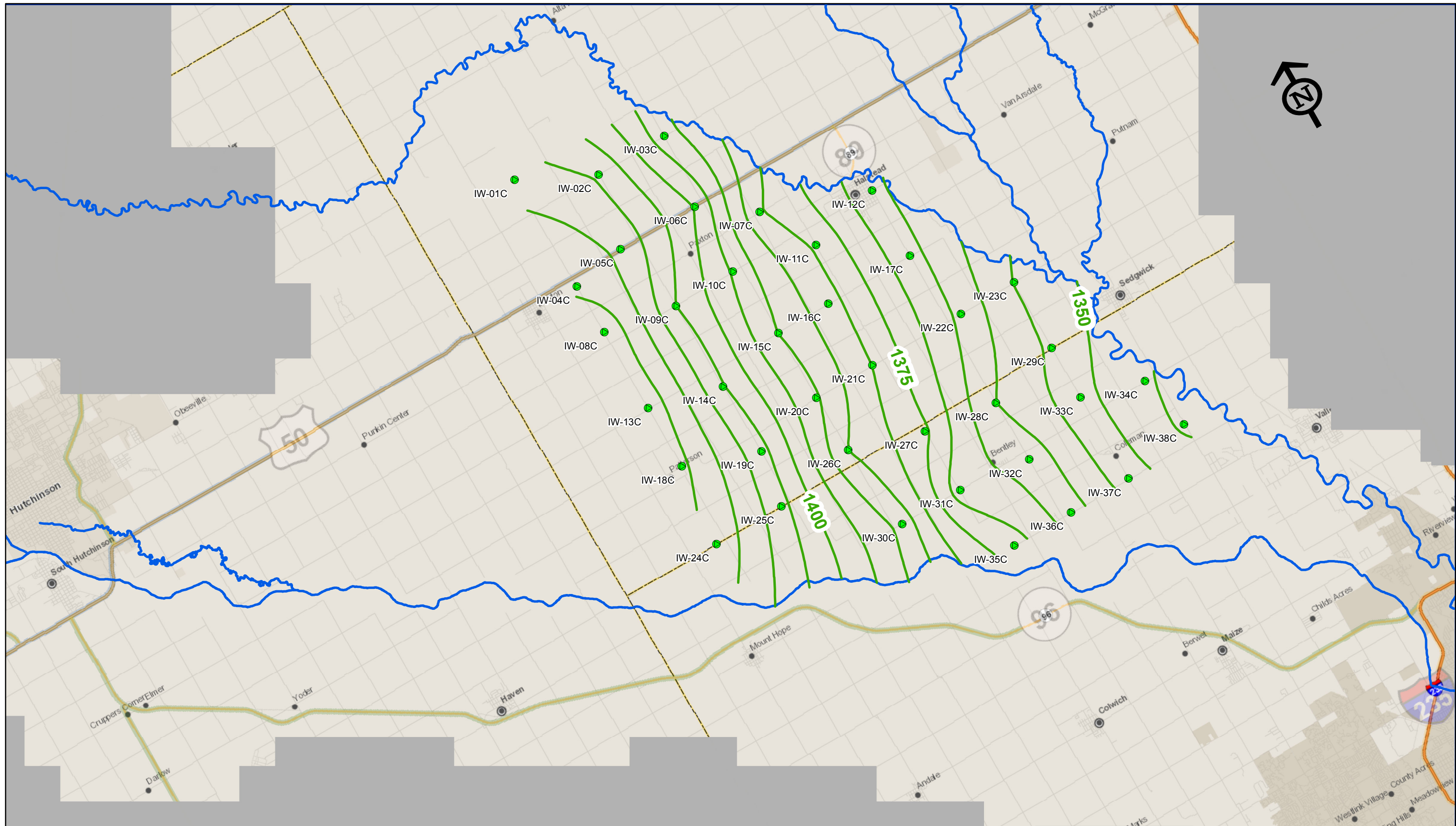
The USGS collects groundwater samples from the index wells on an annual basis. Data tables generated by the USGS containing the complete suite of analytical results from the 2012 sampling can be found at <http://waterdata.usgs.gov/ks/nwis/qw> . Graphs and tables summarizing several key groundwater quality parameters (alachlor, arsenic, atrazine, chloride, iron, manganese, and nitrate) for each of the index wells are included in Appendix E.

3.3 MONTHLY AND ANNUAL PRECIPITATION DATA

The monthly and annual precipitation data was obtained from the GMD2 weather station in Harvey County. This weather station is located in the watershed for the Little Arkansas River, and data from the station is representative of the precipitation in the City well field area. Appendix F contains the data from the Harvey County weather station for the 2012 calendar year.

3.4 WITHDRAWALS FROM NON-DOMESTIC WELLS

As part of an open records request, the DWR provides the City with a spreadsheet containing the pumping totals from all non-domestic wells for use in the annual accounting model. According to the 2012 data



- Legend**
- Model Streams
 - Model Boundary
 - Model No-Flow Areas
 - Index Well
 - IW Contours 2012

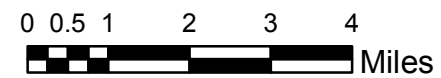
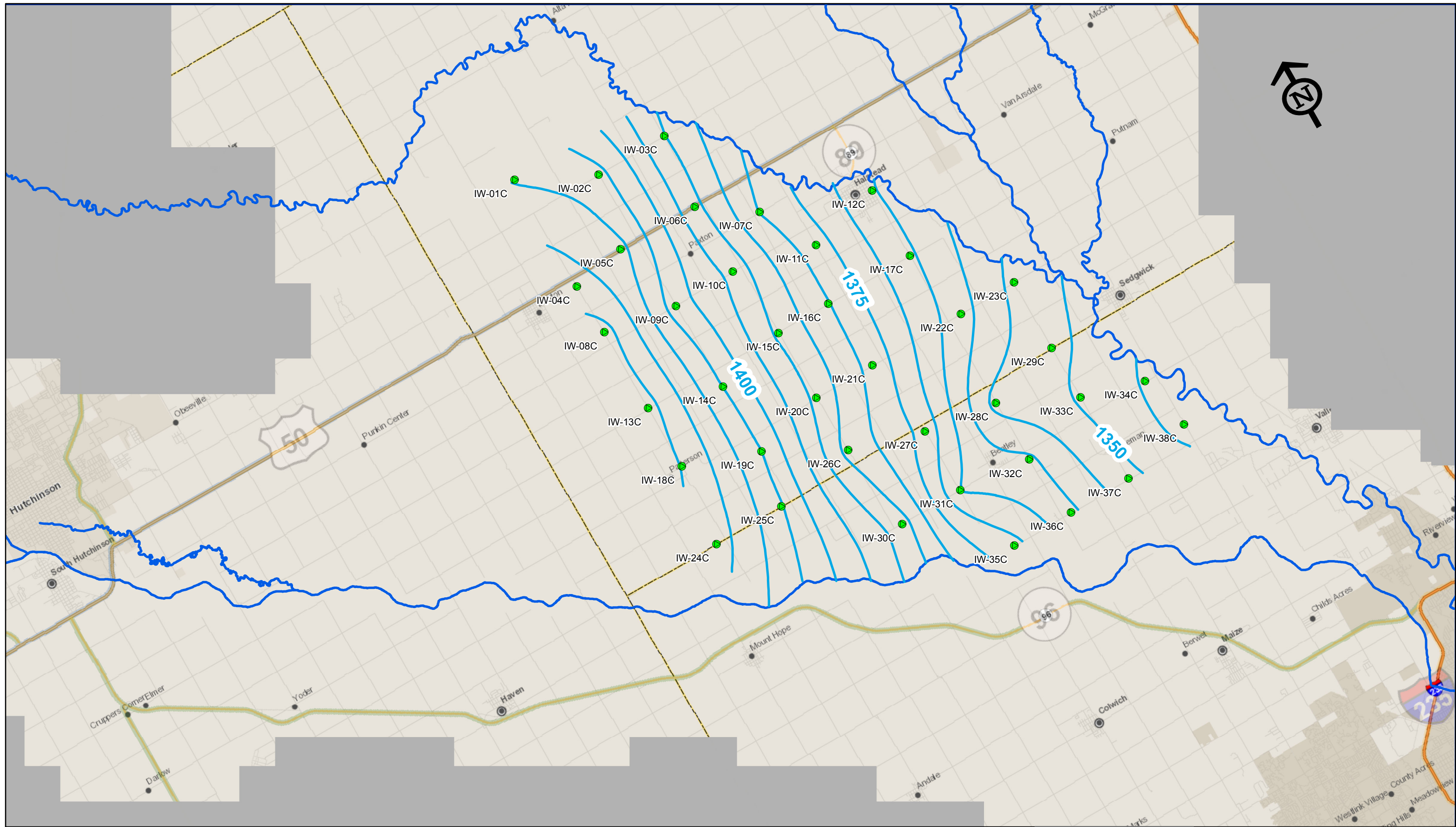


Figure 3.1
 Wichita Accounting Model
 Water Level Contours
 January 2012



Legend

- Model Streams
- Model Boundary
- Model No-Flow Areas
- Index Well
- IW Contours 2013

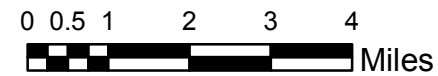


Figure 3.2
 Wichita Accounting Model
 Water Level Contours
 January 2013

provided by DWR, a total of 54,615 acre-feet were pumped from non-domestic wells in the Basin Storage Area in 2012. This amount is substantially higher than the average volume of 47,001 acre-feet pumped from the Basin Storage Area from 2003 through 2011. The pumping data is included in Appendix H.

3.5 ANNUAL STREAMFLOW, INCLUDING BASEFLOW AND ABOVE BASEFLOW STAGE

The annual streamflow data for the Little Arkansas River for 2012 was obtained from the USGS. The daily values reported by the USGS for stage and flow at the Highway 50 and Valley Center gages are included as Appendix I. Figure 3.3 illustrates the flow in the river. The diversion well operational times are also shown.

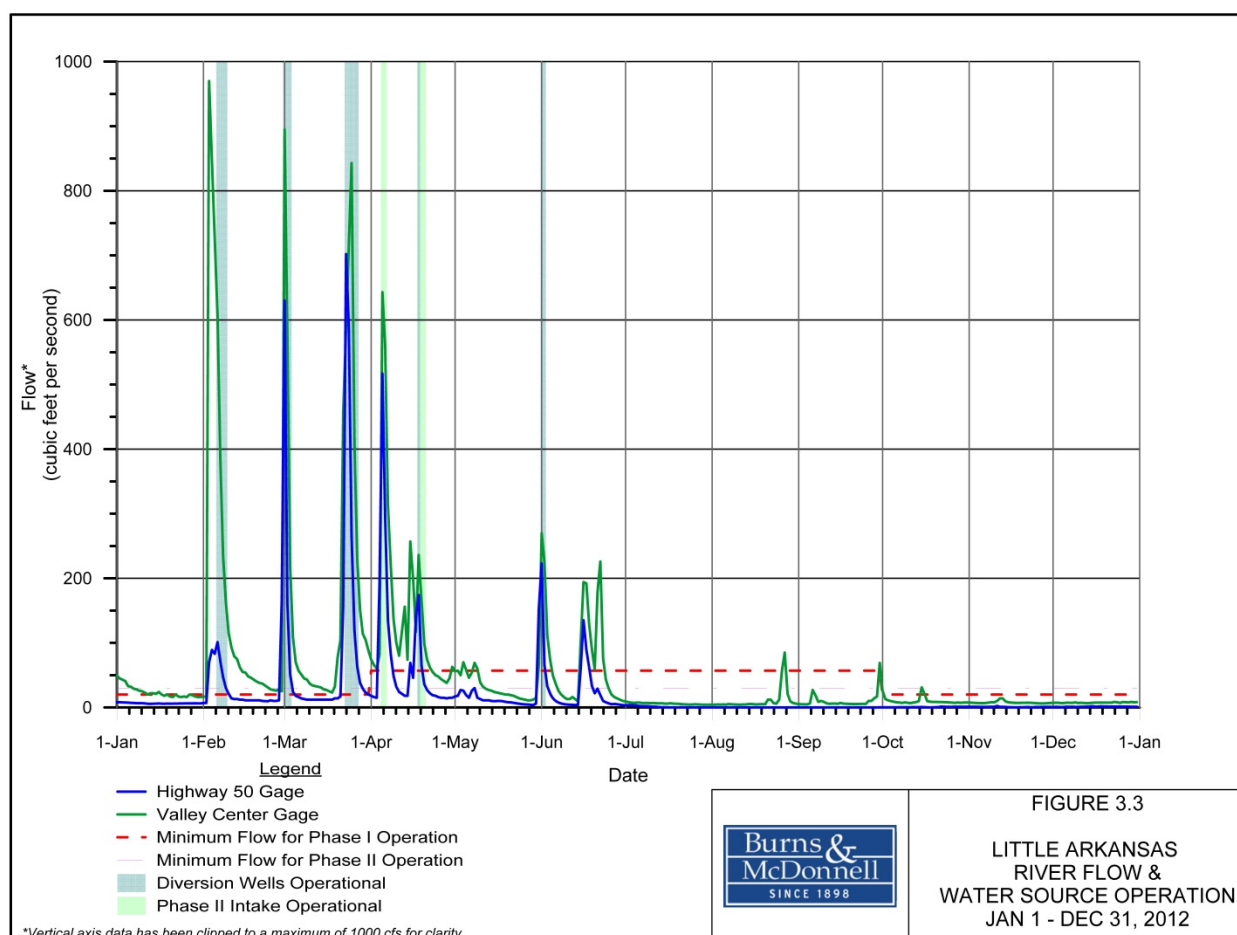


FIGURE 3.3
 LITTLE ARKANSAS RIVER FLOW & WATER SOURCE OPERATION JAN 1 - DEC 31, 2012

3.6 SUMMARY OF CONJUNCTIVE USE AMOUNTS

Conjunctive use amounts are totaled when the City uses more than its base water rights of 53,000 acre-feet from Cheney during wet years. This did not happen in 2012, so the conjunctive use amount is 0.0 acre-feet.

3.7 WATER SUPPLY AND DEMAND FORECAST FOR THE NEXT THREE YEARS

The City pumped a total of 6,567,405,000 gallons (20,156 acre-feet) of water from all of its supply wells in the *Equus* Beds well field during 2012. Total demand for the City for 2012 was 21,941,963,000 gallons (67,342 acre-feet). City pumping has remained fairly consistent, but irrigation pumping increased significantly in 2011 and 2012 in the well field area due to the drought conditions in the area. The projected City water demand for the next three years is:

**Table 3.1
City of Wichita Three-Year Projected Water Demand**

Year	Gallons	Acre-feet
2013	22,856,300,000	70,148
2014	23,084,863,000	70,850
2015	23,315,711,630	71,558

The City’s current water supplies are anticipated to meet the projected demands, and no ASR credits are anticipated to be used in the next three years.

* * * * *

4.0 GROUNDWATER MODELING

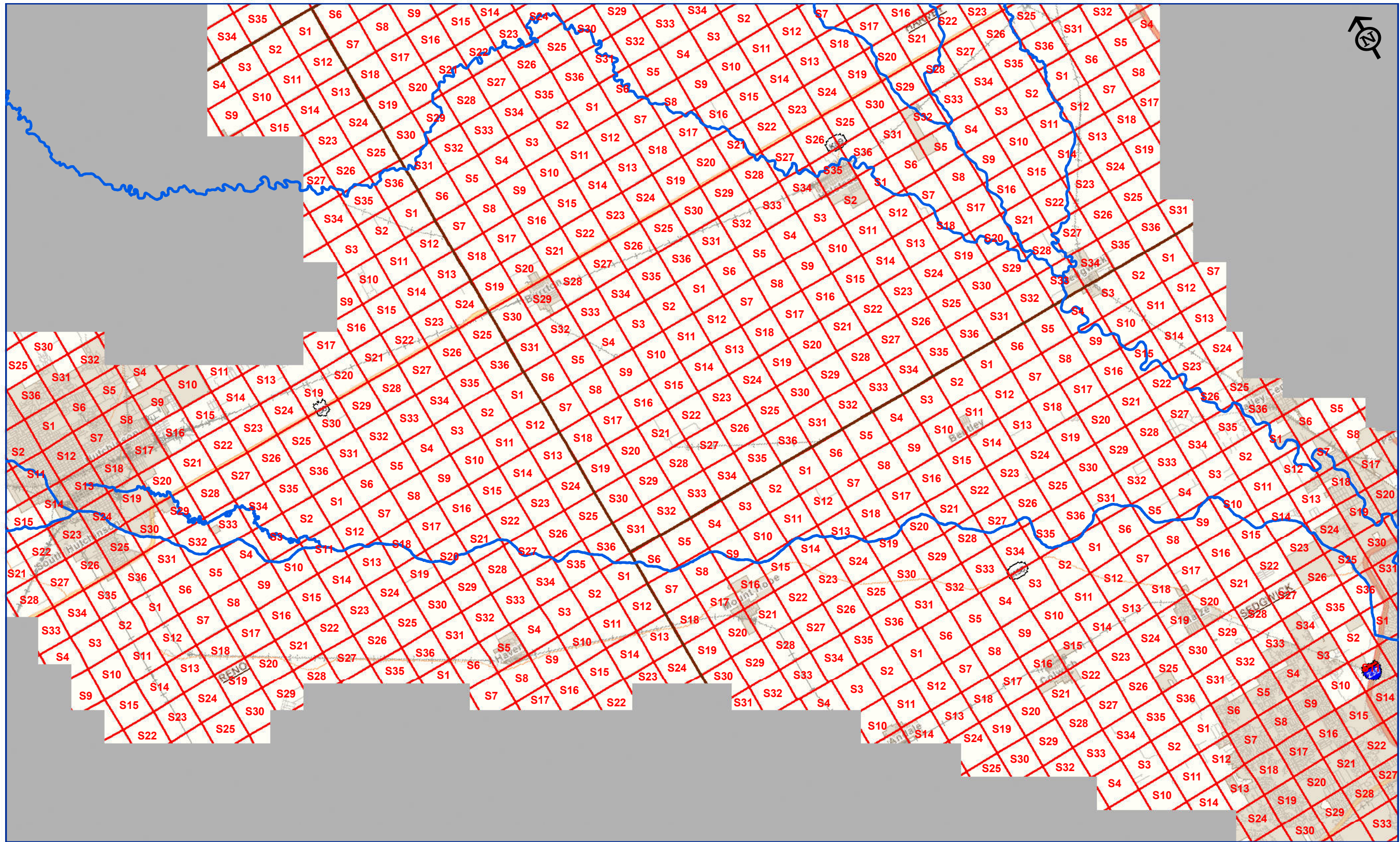
4.1 BACKGROUND

DWR requires a groundwater model-based accounting system to track movement of recharge credits as a condition for approval of permits required to capture, store and recover water for beneficial use by the City. The MODFLOW groundwater model currently in use has been extensively modified from a model originally developed by the USGS office in Lawrence, Kansas to study stream-aquifer interaction between the Arkansas River and the *Equus* Beds aquifer. The USGS model area included the current study area along the Little Arkansas River. The location and extent of the accounting model area is shown in Figure 4.1.

The USGS model used constant-head nodes along the margins of the model boundary to represent areas where the aquifer extends beyond the model boundary. No-flow boundaries represent areas where shale provides a natural barrier to groundwater flow. The model included areal recharge, evapotranspiration, stream flow and well pumping totals. More extensive details of the USGS model including information regarding model set-up, calibration, sensitivity analysis and model results are contained in “Hydrologic and Chemical Interaction of the Arkansas River and the *Equus* Beds Aquifer Between Hutchinson and Wichita, South-Central Kansas,” USGS Water-Resources Investigation Report 95-4191 (Myers, et al, 1995).

The USGS model was refined by the U.S. Bureau of Reclamation (USBR) to assist the GMD2 with an analysis of chloride migration in the Burrton, Kansas area. In order to improve the accuracy of the transport modeling, the USBR model had reduced grid spacing and adjusted the grid cells to a more uniform dimension. Details of the USBR modeling are given in “Arkansas River Water Management Improvement Study, Modeling of Chloride Transport in the *Equus* Beds Aquifer” (Pruitt, 1993).

The USBR model was subsequently modified and further refined by Burns & McDonnell for use as the accounting model required by the DWR to evaluate the City’s Aquifer Storage and Recovery project. Because the primary area of interest during the initial ASR Investigation was the Wichita well field, the accounting model was re-gridded by Burns & McDonnell to provide better resolution in this area.



Legend

- Model Streams
- Model Boundary
- Model No-Flow Areas



Figure 4.1
Wichita Accounting Model
Area Map

4.2 MODEL IMPLEMENTATION FOR ASR ACCOUNTING

DWR requires that ASR accounting utilize groundwater modeling to track movement of recharged water within the index cells previously established. Wichita's ASR Basin Storage Area is not a closed basin and groundwater migrates down-gradient from higher water table elevations in the west to lower elevations in the east. Water recharged in one index cell that is not removed by pumping will eventually migrate to down-gradient index cells. This migration depends on the local gradient which is influenced by natural recharge, municipal and irrigation pumping, and the amount of ASR recharge. Groundwater modeling has been proven to effectively quantify the groundwater movement. However, modeling cannot directly track the movement of recharge credits from one index cell to another and keep it separate from movement of non-recharge water.

In order to track recharge credits, two model runs are implemented, one with the complete ASR recharge and recovery operational history and a second run assuming no ASR recharge or diversion well production. Since the only difference between the two model runs is the water recharged (and recovered), the differences in the water budget between the two model runs are assumed to be due to the impact of ASR operation. For example, if the net underflow (flow from one index cell to another) is greater with the ASR model run, the additional underflow is assumed to be due to ASR operation.

Flows to and from each index cell are added and subtracted to effectively track the migration of ASR credit. Recharge credits that are lost to the Little Arkansas River are deducted from the total recharge credits available.

4.3 MODEL SETUP AND IMPLEMENTATION

The accounting model used for the Wichita ASR accounting has been upgraded and refined with data acquired during various phases of investigation for the ASR project. The current model configuration is a uniform cell size of 500 feet by 500 feet, resulting in a model with 253 rows and 420 columns, and three layers. Modifications completed for the 2012 accounting runs were limited to the addition of a stress period to model 2012 and the addition of data for that year. In addition, the volume of flow in the minor streams in the model was reduced to reflect the drought conditions. No additional refinements were made to the model in anticipation of the revised and updated model that the USGS intends to publish in 2012.

The 2012 model simulates 2003 flows under steady-state conditions, and transient flow conditions for years 2004 through 2012. The model units are feet, cubic feet and days. Unless otherwise noted below, units are model units.

Details of the water budgets and groundwater modeling to support the ASR recharge credits claimed are presented in the following sections.

4.4 BASIN STORAGE AREA STRESSES FOR MODEL INPUT

4.4.1 Precipitation and Recharge

A percentage of annual precipitation contributes to natural recharge. The USGS model used average precipitation from three area weather stations (Hutchinson, Mount Hope, Wichita Mid-Continent) and then distributed the recharge across the model area based on soil type, ground cover and model calibration. Additional data from a fourth station was included to provide a better distribution of the precipitation sampling area when a new station was added at Newton. The current model employs data from these same four locations. In 2012 the calculated average rainfall in the Basin Storage Area was 23.85 inches. The calculated natural recharge for each index cell is shown in the model water budget summaries contained in Appendix A.

4.4.2 Streamflow

Streamflow can contribute to aquifer recharge depending on river stage, river bed conductivity, and elevation of the underlying groundwater table. Variations in river stage and flow are considered in the groundwater model using the MODFLOW stream package in which a starting flow is assigned to the upstream river node with MODFLOW assigning river flow and stage in downstream nodes. The USGS model calculated the appropriate starting river flow and baseflow using a 70 percent return interval within the modeled stress period. Table 4.1 summarizes the modeled stream flows in the upstream river node for each year of the model.

**Table 4.1
Model Simulated Stream Flows**

Flow, in cubic feet per second (cfs)

Stream Name	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Arkansas River	110	121	127	77	269	355	302	233	78	39
Little Arkansas River	13	12	9.1	2.4	8.6	27	19	13	1.3	0.19
Cow Creek	10	10	10	10	10	10	10	10	10	0.1
Sand Creek	1	1	1	1	1	1	1	1	1	0.01
East Emma Creek	1	1	1	1	1	1	1	1	1	0.01
West Emma Creek	1	1	1	1	1	1	1	1	1	0.01
Emma Creek	<i>Emma Creek flow was calculated by the model as the outflow from East & West Emma Creeks</i>									

4.4.3 Groundwater Pumping

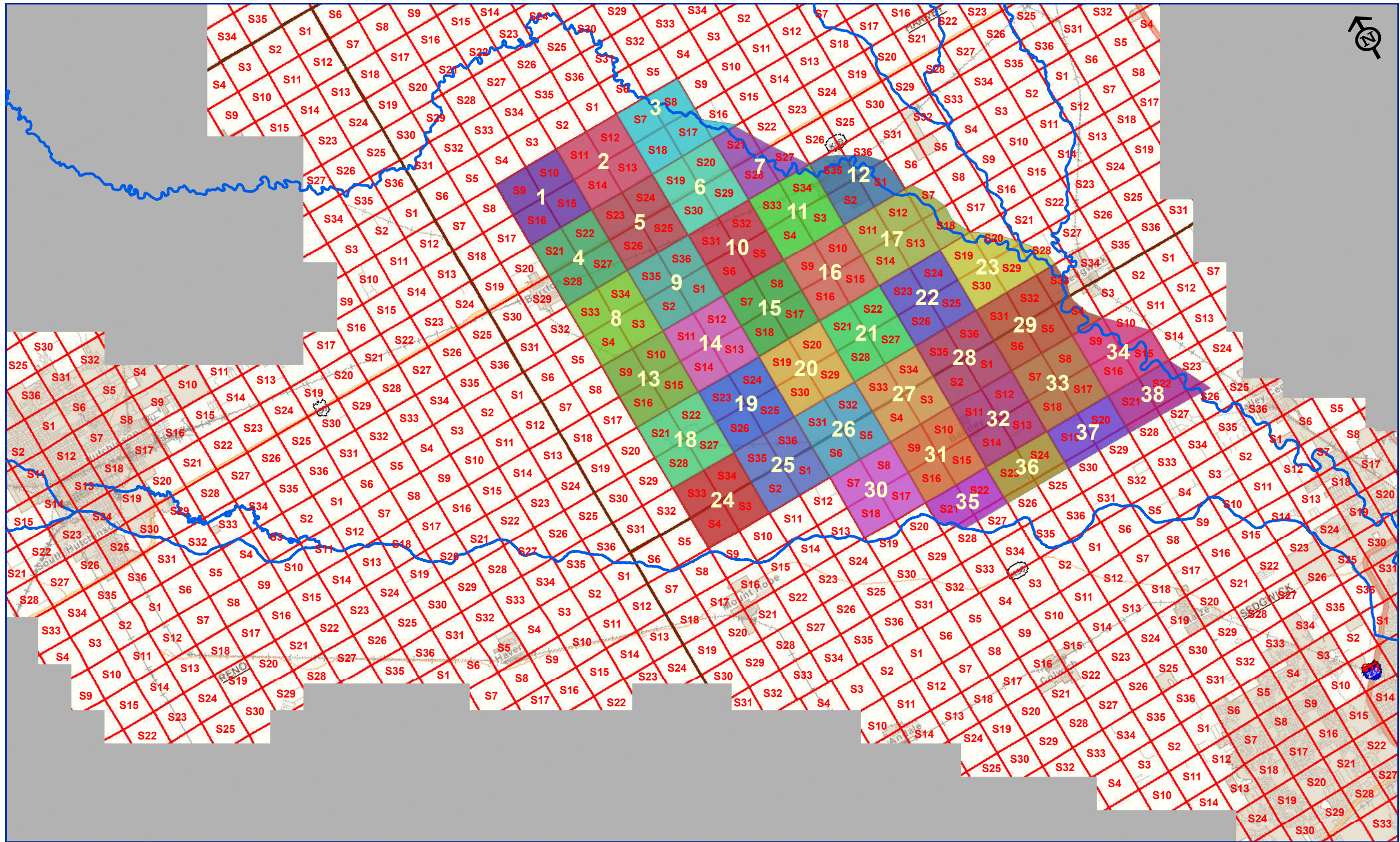
Water use data for 2012 was obtained from DWR. Annual water use reported in acre-feet by DWR was converted to average daily pumping rates and distributed evenly throughout the year. Well locations reported in geographic coordinates (latitude and longitude) were converted to model coordinates. The converted data was then imported into the model.

4.5 MODEL CALIBRATION

The steady-state runs of the current accounting model have a budget mass balance discrepancy of 0.0209 percent (less than the industry standard of 0.1 percent), and a total mass balance discrepancy for steady-state and transient time steps of -0.0026 percent. Comparison of the calculated water levels in the model to 482 selected index well water level targets from 2003 through 2012 results in a residual mean of -0.38 feet and absolute residual mean of 4.07 feet. The absolute residual mean is the average absolute difference between measured water levels and computed water levels at the same location. The current model uses the index wells screened in Layer 3 of the model for targets. Calibration differences between the original USGS model and the current model are due to different monitoring wells being used for targets, seasonal variations in local weather (recharge), timing of local pumping, changes in grid spacing, and other operational factors. Appendix B contains a summary water budget for the model runs.

4.6 MODEL WATER BUDGET

MODFLOW permits tracking of groundwater flow throughout the model. This includes flows into and out of the model, flows between cells within the model, and changes in storage on a cell-by-cell basis. With the processing software (Groundwater Vistas) a group of model cells may be combined into a hydrostratigraphic unit, for which a composite water budget can be calculated. For the accounting model, a total of 39 hydrostratigraphic units were established and numbered to represent the 38 ASR index cell areas and one hydrostratigraphic unit to represent the area outside the Index Cells. For most of the model, the model hydrostratigraphic units roughly match the actual cells; however, on the eastern side of the Basin Storage Area, the Little Arkansas River was not included in an index cell boundary. Because river interaction is an important element for complete accounting, several index cells were extended eastward in the model to include the river. A map depicting the modeled hydrostratigraphic units (index cells) is shown in Figure 4.2.



Legend

- Model Streams
- Model Boundary
- Model No-Flow Areas
- Index Cell (colors vary)



Figure 4.2
Wichita Accounting Model
Index Map

A water balance report was generated using Groundwater Vistas. The water balance reports for the model runs with and without ASR are combined to show net changes in the water budget which are reported in the Index Cell Water Budget Summaries provided in Appendix A. A copy of the detailed reports both with and without ASR activities is included in Appendix B.

4.7 SPECIFIC WATER BUDGET COMPONENTS

4.7.1 Natural and Artificial Recharge

4.7.1.1 Natural Recharge

The amount of natural recharge entering an aquifer system is based on many factors including the amount of precipitation, surface soil texture, slope, and type and amount of groundcover. The GMD2 has determined that approximately 20 percent of rainfall is recharged to the aquifer. The USGS groundwater model used average rainfall from Wichita, Hutchison, and Mount Hope for model input. Since that time, an additional weather station in Newton has become available and has been added into the calculation.

The USGS distributed natural recharge across the model based on soil type and other factors. The accounting model estimates of the recharge rate range from approximately 16 to 28 percent of the annual precipitation amount. The current model retains the distribution developed by the USGS with the amount adjusted for the average annual precipitation total for each year. Table 4.2 summarizes the natural recharge data simulated in the model.

Table 4.2
Modeled Average Annual Precipitation

Station	Annual Precipitation (inches)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Hutchinson	35.42	34.87	40.26	28.14	44.35	39.15	32.45	31.17	21.16	22.03
Mount Hope	27.64	39.81	36.97	26.47	36.74	38.26	35.63	34.63	20.33	23.21
Wichita Mid-Continent	32.60	37.55	36.72	28.59	37.98	53.84	37.55	28.78	24.68	24.80
Newton	36.05	33.56	36.18	17.15	35.93	38.60	35.66	31.33	19.94	25.35
Average	32.93	36.45	37.53	25.09	38.75	42.46	35.32	31.48	21.53	23.85

The modeled amount of recharge for each index cell is shown in the model water budget summaries presented in Appendix A.

4.7.1.2 Artificial Recharge

The metered volume of water recharged through the basins and recharge wells in 2012 was 115.79 acre-feet. Table 2.1 contains a summary showing the volume recharged through each of the Phase I RRWs, RB2 and RB36. For the groundwater model, water recharged by wells or basins is simulated as a well pumping into the aquifer (both wells and basins).

4.7.2 Groundwater Inflow and Outflow

Groundwater inflow and outflow is the amount of groundwater or underflow migrating into an index cell from other areas and flowing out of an index cell to other areas. The net underflow, positive or negative, is shown in the model water budget summaries for water movement between index cells (Appendix B) or areas outside of the recharge basin area.

4.7.3 Evaporation and Transpiration

Evapotranspiration is estimated in the model. Earlier USGS studies estimated maximum evapotranspiration to be approximately 3.5 in/yr. The model incorporates a maximum value of 3.5 in/yr when the water table is at the surface. The rate is reduced with deeper groundwater level and is 0 when the water table is below 10 feet from the surface. Estimates of evapotranspiration are given for each index cell in the model water budgets.

4.7.4 Groundwater Diversions from Non-Domestic Wells

Groundwater diversions from all non-domestic wells are obtained from DWR in an electronic spreadsheet format. The well location and annual pumping for each water right is provided, and these are incorporated into the model. Well pumping is provided to DWR from annual well reports required of all permitted owners. The volume pumped for each well is converted to units of cubic feet per day, and applied as an average daily pumping quantity for each year in the model. The data provided by DWR is provided in Appendix H.

The amount of well pumping within each index cell is shown in the model water budget summaries provided in Appendix B. The volume shown in the summary is the net volume for the cell (withdrawals minus volume recharged).

4.7.5 Infiltration from Streams

When aquifer water elevations are lower than surface water elevations in a stream, there is a potential for water to infiltrate into the aquifer from the stream. The amount of flow depends on the difference in

water levels and the permeability of the streambed. Using the calibrated model, estimates of net flow (water leaving the stream minus water entering the stream) are estimated for each index cell that has a river reach.

Infiltration from the Little Arkansas River throughout the Basin Storage Area was approximately 237 acre-feet, and from the Arkansas River approximately 979 acre-feet. Only index cell 35 includes Arkansas River inflows. The estimates are shown in the model index cell water budget.

4.7.6 Groundwater Discharge to Streams

When aquifer water elevations are higher than the surface water elevation in a stream, there is a potential for water to infiltrate from the aquifer into the stream. The amount of flow depends on the difference in water levels and the permeability of the streambed. Using the calibrated USGS model, estimates of net flow (water leaving the stream minus water entering the stream) is estimated for each index cell that has a river reach.

The model shows that a total of 33,700 acre-feet of water migrated from the aquifer in the Basin Storage Area to the Little Arkansas River in 2012. The estimates are shown in the model index cell water budget.

4.8 CALCULATED RECHARGE CREDITS

Calculated recharge credits are based on the following for each index cell:

	Previous recharge credit
+	metered additional recharge
-	recharge credits recovered for use or maintenance
+	recharge credits entering by underflow (modeled)
-	<u>recharge credits leaving by underflow or flow to river (modeled)</u>
=	current recharge credit

Some differences in the water budgets with ASR and without ASR are excluded from the recharge credit calculations. For example, increases in storage in index cells 1, 4, 8, and 13 do not count toward the recharge credit total. These four cells are up-gradient of index cells 2, 5, 9 and 14, where active recharge activities are taking place. The increases in storage in these up-gradient index cells (1, 4, 8, and 13) is not a recharge credit, because it is not recharged water, but is a result of increasing water levels due to the mounding effect of water being injected. The net result of this effect is that water that would have

migrated down-gradient stays in the up-gradient index cells, resulting in higher water levels and increased water in storage in the up-gradient (non-recharge) cell. This reduction in flow down-gradient indicates that the barrier to the Burrton Salt Water Plume is forming.

A summary of the calculated recharge credits is presented in Table 4.3.

Table 4.3
2012 Recharge Credit Summary
 (Acre-Feet)

Index Cell No.	Previous Recharge Credit (2006-2011)	2012 Metered Recharge	2012 Metered Recovery	Net Recharge Credit Underflow Entering Index Cell	Net Recharge Credit Underflow Leaving Index Cell	Net Recharge Credit Loss to River	Current Recharge Credit
1	----			----	----	----	----
2	185.3	10.1	0.0	28.2	49.1	----	174.4
3	155.7			70.0	16.5	0.0	209.2
4	----			----	----	----	----
5	261.4	26.9	0.0	17.5	54.6	----	251.2
6	24.8			57.3	67.5	----	14.6
7	94.7			42.0	7.4	35.5	93.9
8	----			----	----	----	----
9	266.8	18.9	0.0	30.5	49.2	----	266.9
10	32.7			32.7	42.6	----	22.8
11	24.9			28.1	26.9	6.1	20.1
12	6.2			14.3	2.8	12.2	5.5
13	----			----	----	----	----
14	327.2	58.8	0.0	7.3	47.3	----	346.0
15	38.9			26.1	25.1	----	39.9
16	28.4			19.8	23.5	----	24.8
17	10.7			20.5	11.8	9.4	9.9
18	----			----	----	----	----
19	46.7			6.4	8.8	----	44.2
20	25.0			11.9	12.9	----	23.9
21	20.3			14.8	15.1	----	20.0
22	9.3			13.2	13.2	----	9.2
23	2.6			8.8	3.6	5.2	2.6
24	----			----	----	----	----
25	33.0			4.0	4.3	----	32.7
26	14.9			6.0	7.8	----	13.2
27	11.2			7.8	6.8	----	12.2
28	6.4			7.8	6.2	----	7.9
29	2.8			5.3	3.1	1.5	3.4
30	16.3			4.0	2.8	----	17.5
31	4.4			4.4	2.9	----	5.9
32	2.8			3.9	2.9	----	3.9
33	1.7	1.1	0.0	3.4	1.9	----	4.3
34	0.3			1.7	0.2	1.3	0.4
35	5.84			0.93	0.25	0.11	6.41
36	2.2			1.0	0.9	----	2.3
37	0.8			0.9	0.5	----	1.2
38	0.1			0.4	0.2	0.1	0.2
Total	1664.2	115.8	0.0	500.7	518.7	71.3	1690.7

* * * * *

APPENDICES

**APPENDIX A –
2012 INDEX CELL WATER BUDGET SUMMARIES**

**City of Wichita
2012 ASR Accounting**

Index Cell 1				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	50,044	50,044	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 2	344,940	344,675	265	2.22
Index Cell 4	183,804	184,101	-297	-2.49
Outside Basin Area	148,443	147,572	871	7.30
Net Underflow Between Index Cells Upgradient Cell - No Recharge Credits				7.03
Metered recharge (no recharge facilities)				

<p style="text-align: center;"><u>2012 Recharge Credit</u> ----</p> <p style="text-align: center;">Index Cell 01</p> <p style="text-align: center;"><u>Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 50%;"><u>With ASR</u></td> <td style="text-align: center; width: 50%;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-01</u></td> <td style="text-align: center;"><u>Flow to IC-01</u></td> </tr> <tr> <td style="text-align: center;">1.7</td> <td style="text-align: center;">1.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-01</u></td> <td style="text-align: center;"><u>Flow from IC-01</u></td> </tr> <tr> <td style="text-align: center;">2890.3</td> <td style="text-align: center;">2888.1</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-01</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-01</td> <td style="text-align: center;">2.2</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-01</u>	<u>Flow to IC-01</u>	1.7	1.7	 		<u>Flow from IC-01</u>	<u>Flow from IC-01</u>	2890.3	2888.1	 		<u>Difference with ASR</u>		Flow to IC-01	0.0	Flow from IC-01	2.2																				
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-01</u>	<u>Flow to IC-01</u>																																								
1.7	1.7																																								
<u>Flow from IC-01</u>	<u>Flow from IC-01</u>																																								
2890.3	2888.1																																								
<u>Difference with ASR</u>																																									
Flow to IC-01	0.0																																								
Flow from IC-01	2.2																																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 50%;"><u>With ASR</u></td> <td style="text-align: center; width: 50%;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-01</u></td> <td style="text-align: center;"><u>Flow to IC-01</u></td> </tr> <tr> <td style="text-align: center;">1429.6</td> <td style="text-align: center;">1426.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-01</u></td> <td style="text-align: center;"><u>Flow from IC-01</u></td> </tr> <tr> <td style="text-align: center;">1540.1</td> <td style="text-align: center;">1542.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-01</td> <td style="text-align: center;">3.7</td> </tr> <tr> <td style="text-align: center;">Flow from IC-01</td> <td style="text-align: center;">-2.5</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-01</u>	<u>Flow to IC-01</u>	1429.6	1426.0	 		<u>Flow from IC-01</u>	<u>Flow from IC-01</u>	1540.1	1542.6	 		<u>Difference with ASR</u>		Flow to IC-01	3.7	Flow from IC-01	-2.5	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 50%;"><u>With ASR</u></td> <td style="text-align: center; width: 50%;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-01</u></td> <td style="text-align: center;"><u>Flow to IC-01</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-01</u></td> <td style="text-align: center;"><u>Flow from IC-01</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-01</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-01</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-01</u>	<u>Flow to IC-01</u>	0.0	0.0	 		<u>Flow from IC-01</u>	<u>Flow from IC-01</u>	0.0	0.0	 		<u>Difference with ASR</u>		Flow to IC-01	0.0	Flow from IC-01	0.0
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-01</u>	<u>Flow to IC-01</u>																																								
1429.6	1426.0																																								
<u>Flow from IC-01</u>	<u>Flow from IC-01</u>																																								
1540.1	1542.6																																								
<u>Difference with ASR</u>																																									
Flow to IC-01	3.7																																								
Flow from IC-01	-2.5																																								
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-01</u>	<u>Flow to IC-01</u>																																								
0.0	0.0																																								
<u>Flow from IC-01</u>	<u>Flow from IC-01</u>																																								
0.0	0.0																																								
<u>Difference with ASR</u>																																									
Flow to IC-01	0.0																																								
Flow from IC-01	0.0																																								

Index Cell 39

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-01</u>	<u>Flow to IC-01</u>
3355.4	3360.7
<u>Flow from IC-01</u>	<u>Flow from IC-01</u>
1243.8	1236.5
<u>Difference with ASR</u>	
Flow to IC-01	-5.4
Flow from IC-01	7.3

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 2				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	64,981	64,981	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 1	208	209	0	0.00
Index Cell 3	457,779	453,904	3,875	32.47
Index Cell 5	199,565	199,145	420	3.52
Index Cell 6	21,265	21,148	117	0.98
Outside Basin Area	119,129	117,679	1,450	12.15
Net Underflow Between Index Cells				49.12
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>	<u>AF</u>	
RRW-01 (RK-01)	2007	40,417,403	124.04	
RRW-01 (RK-01)	2008	35,908,574	110.20	
RRW-01 (RK-01)	2009	16,182,600	49.66	
RRW-01 (RK-01)	2010	10,516,056	32.27	
RRW-01 (RK-01)	2011	0	0.00	
RRW-01 (RK-01)	2012	3,278,915	10.06	
Total		<u>103,024,633</u>	<u>316.17</u>	

<table> <tr> <td><u>With ASR</u> <u>Flow to IC-02</u> 2890.3</td> <td><u>Without ASR</u> <u>Flow to IC-02</u> 2888.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 01</td> </tr> <tr> <td><u>Flow from IC-02</u> 1.7</td> <td><u>Flow from IC-02</u> 1.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-02</td> <td>2.2</td> </tr> <tr> <td>Flow from IC-02</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-02</u> 2890.3	<u>Without ASR</u> <u>Flow to IC-02</u> 2888.1	Index Cell 01		<u>Flow from IC-02</u> 1.7	<u>Flow from IC-02</u> 1.7	<u>Difference with ASR</u>		Flow to IC-02	2.2	Flow from IC-02	0.0	<table> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> -10.91</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 02</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recharge 2012</u> 10.1</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recovery 2012</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> -10.91		Index Cell 02		<u>Metered Recharge 2012</u> 10.1		<u>Metered Recovery 2012</u> 0.0		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table> <tr> <td><u>With ASR</u> <u>Flow to IC-02</u> 0.0</td> <td><u>Without ASR</u> <u>Flow to IC-02</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 03</td> </tr> <tr> <td><u>Flow from IC-02</u> 3835.8</td> <td><u>Flow from IC-02</u> 3803.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-02</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-02</td> <td>32.5</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-02</u> 0.0	<u>Without ASR</u> <u>Flow to IC-02</u> 0.0	Index Cell 03		<u>Flow from IC-02</u> 3835.8	<u>Flow from IC-02</u> 3803.4	<u>Difference with ASR</u>		Flow to IC-02	0.0	Flow from IC-02	32.5		
<u>With ASR</u> <u>Flow to IC-02</u> 2890.3	<u>Without ASR</u> <u>Flow to IC-02</u> 2888.1																																					
Index Cell 01																																						
<u>Flow from IC-02</u> 1.7	<u>Flow from IC-02</u> 1.7																																					
<u>Difference with ASR</u>																																						
Flow to IC-02	2.2																																					
Flow from IC-02	0.0																																					
<u>2012 Recharge Credit</u> -10.91																																						
Index Cell 02																																						
<u>Metered Recharge 2012</u> 10.1																																						
<u>Metered Recovery 2012</u> 0.0																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-02</u> 0.0	<u>Without ASR</u> <u>Flow to IC-02</u> 0.0																																					
Index Cell 03																																						
<u>Flow from IC-02</u> 3835.8	<u>Flow from IC-02</u> 3803.4																																					
<u>Difference with ASR</u>																																						
Flow to IC-02	0.0																																					
Flow from IC-02	32.5																																					
<table> <tr> <td><u>With ASR</u> <u>Flow to IC-02</u> 0.0</td> <td><u>Without ASR</u> <u>Flow to IC-02</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 04</td> </tr> <tr> <td><u>Flow from IC-02</u> 0.0</td> <td><u>Flow from IC-02</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-02</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-02</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-02</u> 0.0	<u>Without ASR</u> <u>Flow to IC-02</u> 0.0	Index Cell 04		<u>Flow from IC-02</u> 0.0	<u>Flow from IC-02</u> 0.0	<u>Difference with ASR</u>		Flow to IC-02	0.0	Flow from IC-02	0.0	<table> <tr> <td><u>With ASR</u> <u>Flow to IC-02</u> 1709.3</td> <td><u>Without ASR</u> <u>Flow to IC-02</u> 1685.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 05</td> </tr> <tr> <td><u>Flow from IC-02</u> 1672.2</td> <td><u>Flow from IC-02</u> 1668.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-02</td> <td>23.5</td> </tr> <tr> <td>Flow from IC-02</td> <td>3.5</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-02</u> 1709.3	<u>Without ASR</u> <u>Flow to IC-02</u> 1685.8	Index Cell 05		<u>Flow from IC-02</u> 1672.2	<u>Flow from IC-02</u> 1668.7	<u>Difference with ASR</u>		Flow to IC-02	23.5	Flow from IC-02	3.5	<table> <tr> <td><u>With ASR</u> <u>Flow to IC-02</u> 0.0</td> <td><u>Without ASR</u> <u>Flow to IC-02</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 06</td> </tr> <tr> <td><u>Flow from IC-02</u> 178.2</td> <td><u>Flow from IC-02</u> 177.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-02</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-02</td> <td>1.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-02</u> 0.0	<u>Without ASR</u> <u>Flow to IC-02</u> 0.0	Index Cell 06		<u>Flow from IC-02</u> 178.2	<u>Flow from IC-02</u> 177.2	<u>Difference with ASR</u>		Flow to IC-02	0.0	Flow from IC-02	1.0
<u>With ASR</u> <u>Flow to IC-02</u> 0.0	<u>Without ASR</u> <u>Flow to IC-02</u> 0.0																																					
Index Cell 04																																						
<u>Flow from IC-02</u> 0.0	<u>Flow from IC-02</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-02	0.0																																					
Flow from IC-02	0.0																																					
<u>With ASR</u> <u>Flow to IC-02</u> 1709.3	<u>Without ASR</u> <u>Flow to IC-02</u> 1685.8																																					
Index Cell 05																																						
<u>Flow from IC-02</u> 1672.2	<u>Flow from IC-02</u> 1668.7																																					
<u>Difference with ASR</u>																																						
Flow to IC-02	23.5																																					
Flow from IC-02	3.5																																					
<u>With ASR</u> <u>Flow to IC-02</u> 0.0	<u>Without ASR</u> <u>Flow to IC-02</u> 0.0																																					
Index Cell 06																																						
<u>Flow from IC-02</u> 178.2	<u>Flow from IC-02</u> 177.2																																					
<u>Difference with ASR</u>																																						
Flow to IC-02	0.0																																					
Flow from IC-02	1.0																																					

Index Cell 39

<u>With ASR</u> <u>Flow to IC-02</u> 1238.2	<u>Without ASR</u> <u>Flow to IC-02</u> 1235.8
<u>Flow from IC-02</u> 998.2	<u>Flow from IC-02</u> 986.1
<u>Difference with ASR</u>	
Flow to IC-02	2.4
Flow from IC-02	12.1

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 3				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	63,114	49,720	13,394	112.23
Stream	1,019,626	1,025,719	-6,093	-51.05
Recharge	0	0	0	0.00
ET	2,287	2,291	-4	-0.03
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 2	0	0	0	0.00
Index Cell 6	188,591	187,585	1,006	8.43
Index Cell 7	55,897	55,842	55	0.46
Outside Basin Area	133,538	132,634	905	7.58
Net Underflow Between Index Cells				8.89
Metered recharge (no recharge facilities)				

<table> <tr> <td><u>With ASR</u> <u>Flow to IC-03</u> 3835.8</td> <td><u>Without ASR</u> <u>Flow to IC-03</u> 3803.4</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 02</td> </tr> <tr> <td><u>Flow from IC-03</u> 0.0</td> <td><u>Flow from IC-03</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-03</td> <td>32.5</td> </tr> <tr> <td>Flow from IC-03</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-03</u> 3835.8	<u>Without ASR</u> <u>Flow to IC-03</u> 3803.4	Index Cell 02		<u>Flow from IC-03</u> 0.0	<u>Flow from IC-03</u> 0.0	<u>Difference with ASR</u>		Flow to IC-03	32.5	Flow from IC-03	0.0	<table> <tr> <td><u>2012 Recharge Credit</u> 53.55</td> </tr> <tr> <td style="text-align: center;">Index Cell 03</td> </tr> <tr> <td><u>Diversion Well Pumping</u> 112.2</td> </tr> <tr> <td><u>Loss to Little Ark River</u> 51.1</td> </tr> <tr> <td><u>Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> 53.55	Index Cell 03	<u>Diversion Well Pumping</u> 112.2	<u>Loss to Little Ark River</u> 51.1	<u>Amount Withdrawn from Aquifer Storage</u> 0.0																				
<u>With ASR</u> <u>Flow to IC-03</u> 3835.8	<u>Without ASR</u> <u>Flow to IC-03</u> 3803.4																																					
Index Cell 02																																						
<u>Flow from IC-03</u> 0.0	<u>Flow from IC-03</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-03	32.5																																					
Flow from IC-03	0.0																																					
<u>2012 Recharge Credit</u> 53.55																																						
Index Cell 03																																						
<u>Diversion Well Pumping</u> 112.2																																						
<u>Loss to Little Ark River</u> 51.1																																						
<u>Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<table> <tr> <td><u>With ASR</u> <u>Flow to IC-03</u> 0.0</td> <td><u>Without ASR</u> <u>Flow to IC-03</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 05</td> </tr> <tr> <td><u>Flow from IC-03</u> 0.0</td> <td><u>Flow from IC-03</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-03</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-03</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-03</u> 0.0	<u>Without ASR</u> <u>Flow to IC-03</u> 0.0	Index Cell 05		<u>Flow from IC-03</u> 0.0	<u>Flow from IC-03</u> 0.0	<u>Difference with ASR</u>		Flow to IC-03	0.0	Flow from IC-03	0.0	<table> <tr> <td><u>With ASR</u> <u>Flow to IC-03</u> 2105.5</td> <td><u>Without ASR</u> <u>Flow to IC-03</u> 2072.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 06</td> </tr> <tr> <td><u>Flow from IC-03</u> 1580.3</td> <td><u>Flow from IC-03</u> 1571.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-03</td> <td>32.6</td> </tr> <tr> <td>Flow from IC-03</td> <td>8.4</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-03</u> 2105.5	<u>Without ASR</u> <u>Flow to IC-03</u> 2072.9	Index Cell 06		<u>Flow from IC-03</u> 1580.3	<u>Flow from IC-03</u> 1571.8	<u>Difference with ASR</u>		Flow to IC-03	32.6	Flow from IC-03	8.4	<table> <tr> <td><u>With ASR</u> <u>Flow to IC-03</u> 468.4</td> <td><u>Without ASR</u> <u>Flow to IC-03</u> 467.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 07</td> </tr> <tr> <td><u>Flow from IC-03</u> 468.4</td> <td><u>Flow from IC-03</u> 467.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-03</td> <td>0.5</td> </tr> <tr> <td>Flow from IC-03</td> <td>0.5</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-03</u> 468.4	<u>Without ASR</u> <u>Flow to IC-03</u> 467.9	Index Cell 07		<u>Flow from IC-03</u> 468.4	<u>Flow from IC-03</u> 467.9	<u>Difference with ASR</u>		Flow to IC-03	0.5	Flow from IC-03	0.5
<u>With ASR</u> <u>Flow to IC-03</u> 0.0	<u>Without ASR</u> <u>Flow to IC-03</u> 0.0																																					
Index Cell 05																																						
<u>Flow from IC-03</u> 0.0	<u>Flow from IC-03</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-03	0.0																																					
Flow from IC-03	0.0																																					
<u>With ASR</u> <u>Flow to IC-03</u> 2105.5	<u>Without ASR</u> <u>Flow to IC-03</u> 2072.9																																					
Index Cell 06																																						
<u>Flow from IC-03</u> 1580.3	<u>Flow from IC-03</u> 1571.8																																					
<u>Difference with ASR</u>																																						
Flow to IC-03	32.6																																					
Flow from IC-03	8.4																																					
<u>With ASR</u> <u>Flow to IC-03</u> 468.4	<u>Without ASR</u> <u>Flow to IC-03</u> 467.9																																					
Index Cell 07																																						
<u>Flow from IC-03</u> 468.4	<u>Flow from IC-03</u> 467.9																																					
<u>Difference with ASR</u>																																						
Flow to IC-03	0.5																																					
Flow from IC-03	0.5																																					

Index Cell 39

<u>With ASR</u> <u>Flow to IC-03</u> 5219.1	<u>Without ASR</u> <u>Flow to IC-03</u> 5214.7
<u>Flow from IC-03</u> 1118.9	<u>Flow from IC-03</u> 1111.4
<u>Difference with ASR</u>	
Flow to IC-03	4.5
Flow from IC-03	7.6

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 4				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	112,757	112,757	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 1	170,616	170,179	437	3.66
Index Cell 5	495,688	495,891	-202	-1.69
Index Cell 8	211,166	211,514	-348	-2.92
Index Cell 9	23,034	23,080	-46	-0.38
Outside Basin Area	0	0	0	0.00
Net Underflow Between Index Cells				-1.33
Upgradient Cell - No Recharge Credits				
Metered recharge (no recharge facilities)				

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-04</u></td> <td style="text-align: center;"><u>Flow to IC-04</u></td> </tr> <tr> <td style="text-align: center;">1540.1</td> <td style="text-align: center;">1542.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">01</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-04</u></td> <td style="text-align: center;"><u>Flow from IC-04</u></td> </tr> <tr> <td style="text-align: center;">1429.6</td> <td style="text-align: center;">1426.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-04</td> <td style="text-align: center;">-2.5</td> </tr> <tr> <td style="text-align: center;">Flow from IC-04</td> <td style="text-align: center;">3.7</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-04</u>	<u>Flow to IC-04</u>	1540.1	1542.6	Index Cell		01		<u>Flow from IC-04</u>	<u>Flow from IC-04</u>	1429.6	1426.0	<u>Difference with ASR</u>		Flow to IC-04	-2.5	Flow from IC-04	3.7	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-04</u></td> <td style="text-align: center;"><u>Flow to IC-04</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">02</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-04</u></td> <td style="text-align: center;"><u>Flow from IC-04</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-04</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-04</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-04</u>	<u>Flow to IC-04</u>	0.0	0.0	Index Cell		02		<u>Flow from IC-04</u>	<u>Flow from IC-04</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-04	0.0	Flow from IC-04	0.0
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-04</u>	<u>Flow to IC-04</u>																																								
1540.1	1542.6																																								
Index Cell																																									
01																																									
<u>Flow from IC-04</u>	<u>Flow from IC-04</u>																																								
1429.6	1426.0																																								
<u>Difference with ASR</u>																																									
Flow to IC-04	-2.5																																								
Flow from IC-04	3.7																																								
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-04</u>	<u>Flow to IC-04</u>																																								
0.0	0.0																																								
Index Cell																																									
02																																									
<u>Flow from IC-04</u>	<u>Flow from IC-04</u>																																								
0.0	0.0																																								
<u>Difference with ASR</u>																																									
Flow to IC-04	0.0																																								
Flow from IC-04	0.0																																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">----</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">04</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Amount Withdrawn from Aquifer Storage</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> </table>	<u>2012 Recharge Credit</u>		----		Index Cell		04		<u>Amount Withdrawn from Aquifer Storage</u>		0.0		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-04</u></td> <td style="text-align: center;"><u>Flow to IC-04</u></td> </tr> <tr> <td style="text-align: center;">17.1</td> <td style="text-align: center;">17.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">05</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-04</u></td> <td style="text-align: center;"><u>Flow from IC-04</u></td> </tr> <tr> <td style="text-align: center;">4153.5</td> <td style="text-align: center;">4155.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-04</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-04</td> <td style="text-align: center;">-1.7</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-04</u>	<u>Flow to IC-04</u>	17.1	17.1	Index Cell		05		<u>Flow from IC-04</u>	<u>Flow from IC-04</u>	4153.5	4155.2	<u>Difference with ASR</u>		Flow to IC-04	0.0	Flow from IC-04	-1.7								
<u>2012 Recharge Credit</u>																																									

Index Cell																																									
04																																									
<u>Amount Withdrawn from Aquifer Storage</u>																																									
0.0																																									
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-04</u>	<u>Flow to IC-04</u>																																								
17.1	17.1																																								
Index Cell																																									
05																																									
<u>Flow from IC-04</u>	<u>Flow from IC-04</u>																																								
4153.5	4155.2																																								
<u>Difference with ASR</u>																																									
Flow to IC-04	0.0																																								
Flow from IC-04	-1.7																																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-04</u></td> <td style="text-align: center;"><u>Flow to IC-04</u></td> </tr> <tr> <td style="text-align: center;">1769.1</td> <td style="text-align: center;">1773.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">08</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-04</u></td> <td style="text-align: center;"><u>Flow from IC-04</u></td> </tr> <tr> <td style="text-align: center;">1769.4</td> <td style="text-align: center;">1772.3</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-04</td> <td style="text-align: center;">-4.1</td> </tr> <tr> <td style="text-align: center;">Flow from IC-04</td> <td style="text-align: center;">-2.9</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-04</u>	<u>Flow to IC-04</u>	1769.1	1773.2	Index Cell		08		<u>Flow from IC-04</u>	<u>Flow from IC-04</u>	1769.4	1772.3	<u>Difference with ASR</u>		Flow to IC-04	-4.1	Flow from IC-04	-2.9	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-04</u></td> <td style="text-align: center;"><u>Flow to IC-04</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">09</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-04</u></td> <td style="text-align: center;"><u>Flow from IC-04</u></td> </tr> <tr> <td style="text-align: center;">193.0</td> <td style="text-align: center;">193.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-04</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-04</td> <td style="text-align: center;">-0.4</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-04</u>	<u>Flow to IC-04</u>	0.0	0.0	Index Cell		09		<u>Flow from IC-04</u>	<u>Flow from IC-04</u>	193.0	193.4	<u>Difference with ASR</u>		Flow to IC-04	0.0	Flow from IC-04	-0.4
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-04</u>	<u>Flow to IC-04</u>																																								
1769.1	1773.2																																								
Index Cell																																									
08																																									
<u>Flow from IC-04</u>	<u>Flow from IC-04</u>																																								
1769.4	1772.3																																								
<u>Difference with ASR</u>																																									
Flow to IC-04	-4.1																																								
Flow from IC-04	-2.9																																								
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-04</u>	<u>Flow to IC-04</u>																																								
0.0	0.0																																								
Index Cell																																									
09																																									
<u>Flow from IC-04</u>	<u>Flow from IC-04</u>																																								
193.0	193.4																																								
<u>Difference with ASR</u>																																									
Flow to IC-04	0.0																																								
Flow from IC-04	-0.4																																								

Index Cell 39

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-04</u>	<u>Flow to IC-04</u>
3549.0	3554.5
<u>Flow from IC-04</u>	<u>Flow from IC-04</u>
0.0	0.0
<u>Difference with ASR</u>	
Flow to IC-04	-5.5
Flow from IC-04	0.0

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 5				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	201,831	201,831	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 2	203,993	201,187	2,806	23.51
Index Cell 4	2,043	2,042	2	0.02
Index Cell 6	484,083	480,463	3,620	30.33
Index Cell 9	208,632	208,544	88	0.74
Net Underflow Between Index Cells				54.60
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>	<u>AF</u>	
RRW-02 (RK02)	2007	69,205,807	212.38	
RRW-02 (RK02)	2008	63,117,032	193.70	
RRW-02 (RK02)	2009	28,374,240	87.08	
RRW-02 (RK02)	2010	21,132,672	64.85	
RRW-02 (RK02)	2011	0	0.00	
RRW-02 (RK02)	2012	5,134,273	15.76	
RRW-03 (RK03)	2007	75,386,013	231.35	
RRW-03 (RK03)	2008	39,424,807	120.99	
RRW-03 (RK03)	2009	27,865,840	85.52	
RRW-03 (RK03)	2010	26,667,584	81.84	
RRW-03 (RK03)	2011	0	0.00	
RRW-03 (RK03)	2012	3,645,280	11.19	
Total		<u>359,953,548</u>	<u>1104.66</u>	

<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">01</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-05</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	0.0	0.0	Index Cell		01		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-05	0.0	Flow from IC-05	0.0	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>1672.2</td> <td>1668.7</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">02</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>1709.3</td> <td>1685.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>3.5</td> </tr> <tr> <td>Flow from IC-05</td> <td>23.5</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	1672.2	1668.7	Index Cell		02		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	1709.3	1685.8	<u>Difference with ASR</u>		Flow to IC-05	3.5	Flow from IC-05	23.5	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">03</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-05</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	0.0	0.0	Index Cell		03		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-05	0.0	Flow from IC-05	0.0
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
01																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	0.0																																																													
Flow from IC-05	0.0																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
1672.2	1668.7																																																													
Index Cell																																																														
02																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
1709.3	1685.8																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	3.5																																																													
Flow from IC-05	23.5																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
03																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	0.0																																																													
Flow from IC-05	0.0																																																													
<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>4153.5</td> <td>4155.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">04</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>17.1</td> <td>17.1</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>-1.7</td> </tr> <tr> <td>Flow from IC-05</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	4153.5	4155.2	Index Cell		04		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	17.1	17.1	<u>Difference with ASR</u>		Flow to IC-05	-1.7	Flow from IC-05	0.0	<table> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">-10.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">05</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recharge 2012</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">26.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recovery 2012</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> </table>	<u>2012 Recharge Credit</u>		-10.2		Index Cell		05		<u>Metered Recharge 2012</u>		26.9		<u>Metered Recovery 2012</u>		0.0		<u>Change in Amount Withdrawn from Aquifer Storage</u>		0.0		<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">06</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>4056.3</td> <td>4025.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-05</td> <td>30.3</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	0.0	0.0	Index Cell		06		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	4056.3	4025.9	<u>Difference with ASR</u>		Flow to IC-05	0.0	Flow from IC-05	30.3
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
4153.5	4155.2																																																													
Index Cell																																																														
04																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
17.1	17.1																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	-1.7																																																													
Flow from IC-05	0.0																																																													
<u>2012 Recharge Credit</u>																																																														
-10.2																																																														
Index Cell																																																														
05																																																														
<u>Metered Recharge 2012</u>																																																														
26.9																																																														
<u>Metered Recovery 2012</u>																																																														
0.0																																																														
<u>Change in Amount Withdrawn from Aquifer Storage</u>																																																														
0.0																																																														
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
06																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
4056.3	4025.9																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	0.0																																																													
Flow from IC-05	30.3																																																													
<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">08</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-05</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	0.0	0.0	Index Cell		08		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-05	0.0	Flow from IC-05	0.0	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>1840.6</td> <td>1826.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">09</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>1748.2</td> <td>1747.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>13.9</td> </tr> <tr> <td>Flow from IC-05</td> <td>0.7</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	1840.6	1826.6	Index Cell		09		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	1748.2	1747.4	<u>Difference with ASR</u>		Flow to IC-05	13.9	Flow from IC-05	0.7	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-05</u></td> <td><u>Flow to IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">10</td> </tr> <tr> <td><u>Flow from IC-05</u></td> <td><u>Flow from IC-05</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-05</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-05</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-05</u>	<u>Flow to IC-05</u>	0.0	0.0	Index Cell		10		<u>Flow from IC-05</u>	<u>Flow from IC-05</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-05	0.0	Flow from IC-05	0.0
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
08																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	0.0																																																													
Flow from IC-05	0.0																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
1840.6	1826.6																																																													
Index Cell																																																														
09																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
1748.2	1747.4																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	13.9																																																													
Flow from IC-05	0.7																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-05</u>	<u>Flow to IC-05</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
10																																																														
<u>Flow from IC-05</u>	<u>Flow from IC-05</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-05	0.0																																																													
Flow from IC-05	0.0																																																													

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 6				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	249,790	249,790	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 2	0	0	0	0.00
Index Cell 3	251,279	247,385	3,894	32.63
Index Cell 5	5	6	-1	-0.01
Index Cell 7	349,319	346,121	3,198	26.80
Index Cell 9	18,138	18,000	138	1.16
Index Cell 10	127,698	126,981	716	6.00
Index Cell 11	15,251	15,141	110	0.92
Net Underflow Between Index Cells				67.50
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
M01 (MK01)	2012	0		0.00
MR02 (MK61)	2012	0		0.00
MR04 (MK04)	2012	0		0.00
	Total	0		0.00

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-06</u> 178.2</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-06</u> 177.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 02</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-06</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-06</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-06</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-06</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-06</u> 178.2	<u>Without ASR</u> <u>Flow to IC-06</u> 177.2	Index Cell 02		<u>Flow from IC-06</u> 0.0	<u>Flow from IC-06</u> 0.0	<u>Difference with ASR</u>		Flow to IC-06	1.0	Flow from IC-06	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-06</u> 1580.3</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-06</u> 1571.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 03</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-06</u> 2105.5</td> <td style="text-align: center;"><u>Flow from IC-06</u> 2072.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-06</td> <td style="text-align: center;">8.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-06</td> <td style="text-align: center;">32.6</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-06</u> 1580.3	<u>Without ASR</u> <u>Flow to IC-06</u> 1571.8	Index Cell 03		<u>Flow from IC-06</u> 2105.5	<u>Flow from IC-06</u> 2072.9	<u>Difference with ASR</u>		Flow to IC-06	8.4	Flow from IC-06	32.6													
<u>With ASR</u> <u>Flow to IC-06</u> 178.2	<u>Without ASR</u> <u>Flow to IC-06</u> 177.2																																					
Index Cell 02																																						
<u>Flow from IC-06</u> 0.0	<u>Flow from IC-06</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-06	1.0																																					
Flow from IC-06	0.0																																					
<u>With ASR</u> <u>Flow to IC-06</u> 1580.3	<u>Without ASR</u> <u>Flow to IC-06</u> 1571.8																																					
Index Cell 03																																						
<u>Flow from IC-06</u> 2105.5	<u>Flow from IC-06</u> 2072.9																																					
<u>Difference with ASR</u>																																						
Flow to IC-06	8.4																																					
Flow from IC-06	32.6																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-06</u> 4056.3</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-06</u> 4025.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 05</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-06</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-06</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-06</td> <td style="text-align: center;">30.3</td> </tr> <tr> <td style="text-align: center;">Flow from IC-06</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-06</u> 4056.3	<u>Without ASR</u> <u>Flow to IC-06</u> 4025.9	Index Cell 05		<u>Flow from IC-06</u> 0.0	<u>Flow from IC-06</u> 0.0	<u>Difference with ASR</u>		Flow to IC-06	30.3	Flow from IC-06	0.0	<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> -10.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 06</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recharge 2012</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recovery 2012</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> -10.2		Index Cell 06		<u>Metered Recharge 2012</u> 0.0		<u>Metered Recovery 2012</u> 0.0		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-06</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-06</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 07</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-06</u> 2927.0</td> <td style="text-align: center;"><u>Flow from IC-06</u> 2900.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-06</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-06</td> <td style="text-align: center;">26.8</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-06</u> 0.0	<u>Without ASR</u> <u>Flow to IC-06</u> 0.0	Index Cell 07		<u>Flow from IC-06</u> 2927.0	<u>Flow from IC-06</u> 2900.2	<u>Difference with ASR</u>		Flow to IC-06	0.0	Flow from IC-06	26.8		
<u>With ASR</u> <u>Flow to IC-06</u> 4056.3	<u>Without ASR</u> <u>Flow to IC-06</u> 4025.9																																					
Index Cell 05																																						
<u>Flow from IC-06</u> 0.0	<u>Flow from IC-06</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-06	30.3																																					
Flow from IC-06	0.0																																					
<u>2012 Recharge Credit</u> -10.2																																						
Index Cell 06																																						
<u>Metered Recharge 2012</u> 0.0																																						
<u>Metered Recovery 2012</u> 0.0																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-06</u> 0.0	<u>Without ASR</u> <u>Flow to IC-06</u> 0.0																																					
Index Cell 07																																						
<u>Flow from IC-06</u> 2927.0	<u>Flow from IC-06</u> 2900.2																																					
<u>Difference with ASR</u>																																						
Flow to IC-06	0.0																																					
Flow from IC-06	26.8																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-06</u> 151.4</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-06</u> 149.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 09</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-06</u> 152.0</td> <td style="text-align: center;"><u>Flow from IC-06</u> 150.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-06</td> <td style="text-align: center;">2.2</td> </tr> <tr> <td style="text-align: center;">Flow from IC-06</td> <td style="text-align: center;">1.2</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-06</u> 151.4	<u>Without ASR</u> <u>Flow to IC-06</u> 149.2	Index Cell 09		<u>Flow from IC-06</u> 152.0	<u>Flow from IC-06</u> 150.8	<u>Difference with ASR</u>		Flow to IC-06	2.2	Flow from IC-06	1.2	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-06</u> 1448.7</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-06</u> 1433.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 10</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-06</u> 1070.0</td> <td style="text-align: center;"><u>Flow from IC-06</u> 1064.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-06</td> <td style="text-align: center;">15.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-06</td> <td style="text-align: center;">6.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-06</u> 1448.7	<u>Without ASR</u> <u>Flow to IC-06</u> 1433.3	Index Cell 10		<u>Flow from IC-06</u> 1070.0	<u>Flow from IC-06</u> 1064.0	<u>Difference with ASR</u>		Flow to IC-06	15.4	Flow from IC-06	6.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-06</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-06</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 11</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-06</u> 127.8</td> <td style="text-align: center;"><u>Flow from IC-06</u> 126.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-06</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-06</td> <td style="text-align: center;">0.9</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-06</u> 0.0	<u>Without ASR</u> <u>Flow to IC-06</u> 0.0	Index Cell 11		<u>Flow from IC-06</u> 127.8	<u>Flow from IC-06</u> 126.9	<u>Difference with ASR</u>		Flow to IC-06	0.0	Flow from IC-06	0.9
<u>With ASR</u> <u>Flow to IC-06</u> 151.4	<u>Without ASR</u> <u>Flow to IC-06</u> 149.2																																					
Index Cell 09																																						
<u>Flow from IC-06</u> 152.0	<u>Flow from IC-06</u> 150.8																																					
<u>Difference with ASR</u>																																						
Flow to IC-06	2.2																																					
Flow from IC-06	1.2																																					
<u>With ASR</u> <u>Flow to IC-06</u> 1448.7	<u>Without ASR</u> <u>Flow to IC-06</u> 1433.3																																					
Index Cell 10																																						
<u>Flow from IC-06</u> 1070.0	<u>Flow from IC-06</u> 1064.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-06	15.4																																					
Flow from IC-06	6.0																																					
<u>With ASR</u> <u>Flow to IC-06</u> 0.0	<u>Without ASR</u> <u>Flow to IC-06</u> 0.0																																					
Index Cell 11																																						
<u>Flow from IC-06</u> 127.8	<u>Flow from IC-06</u> 126.9																																					
<u>Difference with ASR</u>																																						
Flow to IC-06	0.0																																					
Flow from IC-06	0.9																																					

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 7				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	50,777	50,777	0	0.00
Stream	640,716	636,485	4,231	35.46
Recharge	0	0	0	0.00
ET	1,217	1,215	2	0.02
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 3	19,729	19,351	378	3.17
Index Cell 6	0	0	0	0.00
Index Cell 11	152,781	152,289	492	4.12
Outside Basin Area	21,543	21,532	11	0.10
Net Underflow Between Index Cells				7.38
Metered recharge (no recharge facilities)				

<u>With ASR</u> <u>Flow to IC-07</u> 468.4	<u>Without ASR</u> <u>Flow to IC-07</u> 467.9
Index Cell 03	
<u>Flow from IC-07</u> 165.3	<u>Flow from IC-07</u> 162.1
<u>Difference with ASR</u>	
Flow to IC-07	0.5
Flow from IC-07	3.2

<u>With ASR</u> <u>Flow to IC-07</u> 2927.0	<u>Without ASR</u> <u>Flow to IC-07</u> 2900.2
Index Cell 06	
<u>Flow from IC-07</u> 0.0	<u>Flow from IC-07</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-07	26.8
Flow from IC-07	0.0

<u>2012 Recharge Credit</u> -0.8	
Index Cell 07	
<u>Loss to Little Ark River</u> 35.5	
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0	

Index Cell 39	
<u>With ASR</u> <u>Flow to IC-07</u> 2987.0	<u>Without ASR</u> <u>Flow to IC-07</u> 2987.1
<u>Flow from IC-07</u> 180.5	<u>Flow from IC-07</u> 180.4
<u>Difference with ASR</u>	
Flow to IC-07	-0.1
Flow from IC-07	0.1

<u>With ASR</u> <u>Flow to IC-07</u> 0.0	<u>Without ASR</u> <u>Flow to IC-07</u> 0.0
Index Cell 10	
<u>Flow from IC-07</u> 0.0	<u>Flow from IC-07</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-07	0.0
Flow from IC-07	0.0

<u>With ASR</u> <u>Flow to IC-07</u> 752.7	<u>Without ASR</u> <u>Flow to IC-07</u> 738.0
Index Cell 11	
<u>Flow from IC-07</u> 1280.2	<u>Flow from IC-07</u> 1276.1
<u>Difference with ASR</u>	
Flow to IC-07	14.8
Flow from IC-07	4.1

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 8				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	127,496	127,496	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	3	1	2	0.02
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 4	211,131	211,621	-490	-4.11
Index Cell 9	380,545	381,500	-954	-8.00
Index Cell 13	189,481	189,634	-153	-1.28
Outside Basin Area	0	0	0	0.00
Net Underflow Between Index Cells				-13.38
Upgradient Cell - No Recharge Credits				
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-08</u> 1769.4</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-08</u> 1772.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 04</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-08</u> 1769.1</td> <td style="text-align: center;"><u>Flow from IC-08</u> 1773.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-08</td> <td style="text-align: center;">-2.9</td> </tr> <tr> <td style="text-align: center;">Flow from IC-08</td> <td style="text-align: center;">-4.1</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-08</u> 1769.4	<u>Without ASR</u> <u>Flow to IC-08</u> 1772.3	Index Cell 04		<u>Flow from IC-08</u> 1769.1	<u>Flow from IC-08</u> 1773.2	<u>Difference with ASR</u>		Flow to IC-08	-2.9	Flow from IC-08	-4.1	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-08</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-08</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 05</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-08</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-08</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-08</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-08</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-08</u> 0.0	<u>Without ASR</u> <u>Flow to IC-08</u> 0.0	Index Cell 05		<u>Flow from IC-08</u> 0.0	<u>Flow from IC-08</u> 0.0	<u>Difference with ASR</u>		Flow to IC-08	0.0	Flow from IC-08	0.0
<u>With ASR</u> <u>Flow to IC-08</u> 1769.4	<u>Without ASR</u> <u>Flow to IC-08</u> 1772.3																								
Index Cell 04																									
<u>Flow from IC-08</u> 1769.1	<u>Flow from IC-08</u> 1773.2																								
<u>Difference with ASR</u>																									
Flow to IC-08	-2.9																								
Flow from IC-08	-4.1																								
<u>With ASR</u> <u>Flow to IC-08</u> 0.0	<u>Without ASR</u> <u>Flow to IC-08</u> 0.0																								
Index Cell 05																									
<u>Flow from IC-08</u> 0.0	<u>Flow from IC-08</u> 0.0																								
<u>Difference with ASR</u>																									
Flow to IC-08	0.0																								
Flow from IC-08	0.0																								
<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> ----</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 08</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> ----		Index Cell 08		<u>Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-08</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-08</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 09</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-08</u> 3188.7</td> <td style="text-align: center;"><u>Flow from IC-08</u> 3196.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-08</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-08</td> <td style="text-align: center;">-8.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-08</u> 0.0	<u>Without ASR</u> <u>Flow to IC-08</u> 0.0	Index Cell 09		<u>Flow from IC-08</u> 3188.7	<u>Flow from IC-08</u> 3196.7	<u>Difference with ASR</u>		Flow to IC-08	0.0	Flow from IC-08	-8.0						
<u>2012 Recharge Credit</u> ----																									
Index Cell 08																									
<u>Amount Withdrawn from Aquifer Storage</u> 0.0																									
<u>With ASR</u> <u>Flow to IC-08</u> 0.0	<u>Without ASR</u> <u>Flow to IC-08</u> 0.0																								
Index Cell 09																									
<u>Flow from IC-08</u> 3188.7	<u>Flow from IC-08</u> 3196.7																								
<u>Difference with ASR</u>																									
Flow to IC-08	0.0																								
Flow from IC-08	-8.0																								
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-08</u> 854.2</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-08</u> 865.4</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 13</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-08</u> 1587.7</td> <td style="text-align: center;"><u>Flow from IC-08</u> 1589.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-08</td> <td style="text-align: center;">-11.1</td> </tr> <tr> <td style="text-align: center;">Flow from IC-08</td> <td style="text-align: center;">-1.3</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-08</u> 854.2	<u>Without ASR</u> <u>Flow to IC-08</u> 865.4	Index Cell 13		<u>Flow from IC-08</u> 1587.7	<u>Flow from IC-08</u> 1589.0	<u>Difference with ASR</u>		Flow to IC-08	-11.1	Flow from IC-08	-1.3	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-08</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-08</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 14</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-08</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-08</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-08</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-08</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-08</u> 0.0	<u>Without ASR</u> <u>Flow to IC-08</u> 0.0	Index Cell 14		<u>Flow from IC-08</u> 0.0	<u>Flow from IC-08</u> 0.0	<u>Difference with ASR</u>		Flow to IC-08	0.0	Flow from IC-08	0.0
<u>With ASR</u> <u>Flow to IC-08</u> 854.2	<u>Without ASR</u> <u>Flow to IC-08</u> 865.4																								
Index Cell 13																									
<u>Flow from IC-08</u> 1587.7	<u>Flow from IC-08</u> 1589.0																								
<u>Difference with ASR</u>																									
Flow to IC-08	-11.1																								
Flow from IC-08	-1.3																								
<u>With ASR</u> <u>Flow to IC-08</u> 0.0	<u>Without ASR</u> <u>Flow to IC-08</u> 0.0																								
Index Cell 14																									
<u>Flow from IC-08</u> 0.0	<u>Flow from IC-08</u> 0.0																								
<u>Difference with ASR</u>																									
Flow to IC-08	0.0																								
Flow from IC-08	0.0																								

Index Cell 39	
<u>With ASR</u> <u>Flow to IC-08</u> 3341.1	<u>Without ASR</u> <u>Flow to IC-08</u> 3348.7
<u>Flow from IC-08</u> 0.0	<u>Flow from IC-08</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-08	-7.6
Flow from IC-08	0.0

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 9				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	145,992	145,992	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 4	0	0	0	0.00
Index Cell 5	219,658	217,993	1,665	13.95
Index Cell 6	18,067	17,807	260	2.18
Index Cell 8	0	0	0	0.00
Index Cell 10	426,682	423,937	2,745	23.00
Index Cell 13	0	0	0	0.00
Index Cell 14	117,549	116,680	868	7.27
Index Cell 15	32,020	31,684	336	2.82
Net Underflow Between Index Cells				49.22
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
RB-01	2007	0		0.00
RB-01	2008	0		0.00
RB-01	2009	0		0.00
RB-01	2010	0		0.00
RB-01	2011	0		0.00
RB-01	2012	0		
RRW-04 (RK04)	2007	100,523,612		308.50
RRW-04 (RK04)	2008	75,482,050		231.65
RRW-04 (RK04)	2009	45,091,616		138.38
RRW-04 (RK04)	2010	40,239,152		123.49
RRW-04 (RK04)	2011	0		0.00
RRW-04 (RK04)	2012	6,141,944		18.85
RR-05 (RK-05)	2012	0		0.00
	Total	267,478,374		820.86

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 193.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 193.4</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 04</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-09</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">-0.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 193.0	<u>Without ASR</u> <u>Flow to IC-09</u> 193.4	Index Cell 04		<u>Flow from IC-09</u> 0.0	<u>Flow from IC-09</u> 0.0	<u>Difference with ASR</u>		Flow to IC-09	-0.4	Flow from IC-09	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 1748.2</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 1747.4</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 05</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 1840.6</td> <td style="text-align: center;"><u>Flow from IC-09</u> 1826.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">0.7</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">13.9</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 1748.2	<u>Without ASR</u> <u>Flow to IC-09</u> 1747.4	Index Cell 05		<u>Flow from IC-09</u> 1840.6	<u>Flow from IC-09</u> 1826.6	<u>Difference with ASR</u>		Flow to IC-09	0.7	Flow from IC-09	13.9	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 152.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 150.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 06</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 151.4</td> <td style="text-align: center;"><u>Flow from IC-09</u> 149.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">1.2</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">2.2</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 152.0	<u>Without ASR</u> <u>Flow to IC-09</u> 150.8	Index Cell 06		<u>Flow from IC-09</u> 151.4	<u>Flow from IC-09</u> 149.2	<u>Difference with ASR</u>		Flow to IC-09	1.2	Flow from IC-09	2.2
<u>With ASR</u> <u>Flow to IC-09</u> 193.0	<u>Without ASR</u> <u>Flow to IC-09</u> 193.4																																					
Index Cell 04																																						
<u>Flow from IC-09</u> 0.0	<u>Flow from IC-09</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	-0.4																																					
Flow from IC-09	0.0																																					
<u>With ASR</u> <u>Flow to IC-09</u> 1748.2	<u>Without ASR</u> <u>Flow to IC-09</u> 1747.4																																					
Index Cell 05																																						
<u>Flow from IC-09</u> 1840.6	<u>Flow from IC-09</u> 1826.6																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	0.7																																					
Flow from IC-09	13.9																																					
<u>With ASR</u> <u>Flow to IC-09</u> 152.0	<u>Without ASR</u> <u>Flow to IC-09</u> 150.8																																					
Index Cell 06																																						
<u>Flow from IC-09</u> 151.4	<u>Flow from IC-09</u> 149.2																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	1.2																																					
Flow from IC-09	2.2																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 3188.7</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 3196.7</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 08</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-09</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">-8.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 3188.7	<u>Without ASR</u> <u>Flow to IC-09</u> 3196.7	Index Cell 08		<u>Flow from IC-09</u> 0.0	<u>Flow from IC-09</u> 0.0	<u>Difference with ASR</u>		Flow to IC-09	-8.0	Flow from IC-09	0.0	<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> 0.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 09</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recharge 2012</u> 18.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recovery 2012</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> 0.1		Index Cell 09		<u>Metered Recharge 2012</u> 18.9		<u>Metered Recovery 2012</u> 0.0		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 46.3</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 45.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 10</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 3575.3</td> <td style="text-align: center;"><u>Flow from IC-09</u> 3552.3</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">0.9</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">23.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 46.3	<u>Without ASR</u> <u>Flow to IC-09</u> 45.3	Index Cell 10		<u>Flow from IC-09</u> 3575.3	<u>Flow from IC-09</u> 3552.3	<u>Difference with ASR</u>		Flow to IC-09	0.9	Flow from IC-09	23.0		
<u>With ASR</u> <u>Flow to IC-09</u> 3188.7	<u>Without ASR</u> <u>Flow to IC-09</u> 3196.7																																					
Index Cell 08																																						
<u>Flow from IC-09</u> 0.0	<u>Flow from IC-09</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	-8.0																																					
Flow from IC-09	0.0																																					
<u>2012 Recharge Credit</u> 0.1																																						
Index Cell 09																																						
<u>Metered Recharge 2012</u> 18.9																																						
<u>Metered Recovery 2012</u> 0.0																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-09</u> 46.3	<u>Without ASR</u> <u>Flow to IC-09</u> 45.3																																					
Index Cell 10																																						
<u>Flow from IC-09</u> 3575.3	<u>Flow from IC-09</u> 3552.3																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	0.9																																					
Flow from IC-09	23.0																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 63.2</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 64.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 13</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-09</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">-0.8</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 63.2	<u>Without ASR</u> <u>Flow to IC-09</u> 64.0	Index Cell 13		<u>Flow from IC-09</u> 0.0	<u>Flow from IC-09</u> 0.0	<u>Difference with ASR</u>		Flow to IC-09	-0.8	Flow from IC-09	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 1166.9</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 1139.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 14</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 985.0</td> <td style="text-align: center;"><u>Flow from IC-09</u> 977.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">27.7</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">7.3</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 1166.9	<u>Without ASR</u> <u>Flow to IC-09</u> 1139.2	Index Cell 14		<u>Flow from IC-09</u> 985.0	<u>Flow from IC-09</u> 977.7	<u>Difference with ASR</u>		Flow to IC-09	27.7	Flow from IC-09	7.3	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-09</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-09</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 15</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-09</u> 268.3</td> <td style="text-align: center;"><u>Flow from IC-09</u> 265.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-09</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-09</td> <td style="text-align: center;">2.8</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-09</u> 0.0	<u>Without ASR</u> <u>Flow to IC-09</u> 0.0	Index Cell 15		<u>Flow from IC-09</u> 268.3	<u>Flow from IC-09</u> 265.5	<u>Difference with ASR</u>		Flow to IC-09	0.0	Flow from IC-09	2.8
<u>With ASR</u> <u>Flow to IC-09</u> 63.2	<u>Without ASR</u> <u>Flow to IC-09</u> 64.0																																					
Index Cell 13																																						
<u>Flow from IC-09</u> 0.0	<u>Flow from IC-09</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	-0.8																																					
Flow from IC-09	0.0																																					
<u>With ASR</u> <u>Flow to IC-09</u> 1166.9	<u>Without ASR</u> <u>Flow to IC-09</u> 1139.2																																					
Index Cell 14																																						
<u>Flow from IC-09</u> 985.0	<u>Flow from IC-09</u> 977.7																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	27.7																																					
Flow from IC-09	7.3																																					
<u>With ASR</u> <u>Flow to IC-09</u> 0.0	<u>Without ASR</u> <u>Flow to IC-09</u> 0.0																																					
Index Cell 15																																						
<u>Flow from IC-09</u> 268.3	<u>Flow from IC-09</u> 265.5																																					
<u>Difference with ASR</u>																																						
Flow to IC-09	0.0																																					
Flow from IC-09	2.8																																					

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 10				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	304,910	304,910	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 6	172,886	171,049	1,837	15.39
Index Cell 9	5,523	5,411	112	0.94
Index Cell 11	216,358	214,341	2,016	16.90
Index Cell 15	157,287	156,173	1,114	9.33
Net Underflow Between Index Cells				42.56
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>	<u>AF</u>	
MR06 (MK62)	2012	0	0.00	
Total		0	0.00	

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 05</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0	Index Cell 05		<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0	<u>Difference with ASR</u>		Flow to IC-10	0.0	Flow from IC-10	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 1070.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 1064.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 06</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 1448.7</td> <td style="text-align: center;"><u>Flow from IC-10</u> 1433.3</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">6.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">15.4</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 1070.0	<u>Without ASR</u> <u>Flow to IC-10</u> 1064.0	Index Cell 06		<u>Flow from IC-10</u> 1448.7	<u>Flow from IC-10</u> 1433.3	<u>Difference with ASR</u>		Flow to IC-10	6.0	Flow from IC-10	15.4	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 07</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0	Index Cell 07		<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0	<u>Difference with ASR</u>		Flow to IC-10	0.0	Flow from IC-10	0.0
<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0																																					
Index Cell 05																																						
<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	0.0																																					
Flow from IC-10	0.0																																					
<u>With ASR</u> <u>Flow to IC-10</u> 1070.0	<u>Without ASR</u> <u>Flow to IC-10</u> 1064.0																																					
Index Cell 06																																						
<u>Flow from IC-10</u> 1448.7	<u>Flow from IC-10</u> 1433.3																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	6.0																																					
Flow from IC-10	15.4																																					
<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0																																					
Index Cell 07																																						
<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	0.0																																					
Flow from IC-10	0.0																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 3575.3</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 3552.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 09</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 46.3</td> <td style="text-align: center;"><u>Flow from IC-10</u> 45.3</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">23.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">0.9</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 3575.3	<u>Without ASR</u> <u>Flow to IC-10</u> 3552.3	Index Cell 09		<u>Flow from IC-10</u> 46.3	<u>Flow from IC-10</u> 45.3	<u>Difference with ASR</u>		Flow to IC-10	23.0	Flow from IC-10	0.9	<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> -9.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 10</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recharge 2012</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recovery 2012</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> -9.9		Index Cell 10		<u>Metered Recharge 2012</u> 0.0		<u>Metered Recovery 2012</u> 0.0		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 53.4</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 53.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 11</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 1812.9</td> <td style="text-align: center;"><u>Flow from IC-10</u> 1796.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">-0.1</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">16.9</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 53.4	<u>Without ASR</u> <u>Flow to IC-10</u> 53.5	Index Cell 11		<u>Flow from IC-10</u> 1812.9	<u>Flow from IC-10</u> 1796.0	<u>Difference with ASR</u>		Flow to IC-10	-0.1	Flow from IC-10	16.9		
<u>With ASR</u> <u>Flow to IC-10</u> 3575.3	<u>Without ASR</u> <u>Flow to IC-10</u> 3552.3																																					
Index Cell 09																																						
<u>Flow from IC-10</u> 46.3	<u>Flow from IC-10</u> 45.3																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	23.0																																					
Flow from IC-10	0.9																																					
<u>2012 Recharge Credit</u> -9.9																																						
Index Cell 10																																						
<u>Metered Recharge 2012</u> 0.0																																						
<u>Metered Recovery 2012</u> 0.0																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-10</u> 53.4	<u>Without ASR</u> <u>Flow to IC-10</u> 53.5																																					
Index Cell 11																																						
<u>Flow from IC-10</u> 1812.9	<u>Flow from IC-10</u> 1796.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	-0.1																																					
Flow from IC-10	16.9																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 14</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0	Index Cell 14		<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0	<u>Difference with ASR</u>		Flow to IC-10	0.0	Flow from IC-10	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 840.3</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 836.7</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 15</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 1317.9</td> <td style="text-align: center;"><u>Flow from IC-10</u> 1308.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">3.7</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">9.3</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 840.3	<u>Without ASR</u> <u>Flow to IC-10</u> 836.7	Index Cell 15		<u>Flow from IC-10</u> 1317.9	<u>Flow from IC-10</u> 1308.6	<u>Difference with ASR</u>		Flow to IC-10	3.7	Flow from IC-10	9.3	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-10</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 16</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-10</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-10</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-10</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0	Index Cell 16		<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0	<u>Difference with ASR</u>		Flow to IC-10	0.0	Flow from IC-10	0.0
<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0																																					
Index Cell 14																																						
<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	0.0																																					
Flow from IC-10	0.0																																					
<u>With ASR</u> <u>Flow to IC-10</u> 840.3	<u>Without ASR</u> <u>Flow to IC-10</u> 836.7																																					
Index Cell 15																																						
<u>Flow from IC-10</u> 1317.9	<u>Flow from IC-10</u> 1308.6																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	3.7																																					
Flow from IC-10	9.3																																					
<u>With ASR</u> <u>Flow to IC-10</u> 0.0	<u>Without ASR</u> <u>Flow to IC-10</u> 0.0																																					
Index Cell 16																																						
<u>Flow from IC-10</u> 0.0	<u>Flow from IC-10</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-10	0.0																																					
Flow from IC-10	0.0																																					

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 11				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	89,173	89,173	0	0.00
Stream	131,310	130,584	727	6.09
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 6	0	0	0	0.00
Index Cell 7	89,832	88,071	1,761	14.76
Index Cell 10	6,367	6,380	-12	-0.10
Index Cell 12	180,938	180,092	845	7.08
Index Cell 15	0	0	0	0.00
Index Cell 16	92,559	91,955	604	5.06
Outside Basin Area	0	0	0	0.00
Net Underflow Between Index Cells				26.79
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 127.8</td> <td style="text-align: center;"><u>Flow to IC-11</u> 126.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 06</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">0.9</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 127.8	<u>Flow to IC-11</u> 126.9	Index Cell 06		<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0	<u>Difference with ASR</u>		Flow to IC-11	0.9	Flow from IC-11	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 1280.2</td> <td style="text-align: center;"><u>Flow to IC-11</u> 1276.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 07</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 752.7</td> <td style="text-align: center;"><u>Flow from IC-11</u> 738.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">4.1</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">14.8</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 1280.2	<u>Flow to IC-11</u> 1276.1	Index Cell 07		<u>Flow from IC-11</u> 752.7	<u>Flow from IC-11</u> 738.0	<u>Difference with ASR</u>		Flow to IC-11	4.1	Flow from IC-11	14.8	<h2 style="text-align: center;">Index Cell 39</h2> <table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 125.7</td> <td style="text-align: center;"><u>Flow to IC-11</u> 125.7</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 125.7	<u>Flow to IC-11</u> 125.7	<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0	<u>Difference with ASR</u>		Flow to IC-11	0.0	Flow from IC-11	0.0		
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 127.8	<u>Flow to IC-11</u> 126.9																																											
Index Cell 06																																												
<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	0.9																																											
Flow from IC-11	0.0																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 1280.2	<u>Flow to IC-11</u> 1276.1																																											
Index Cell 07																																												
<u>Flow from IC-11</u> 752.7	<u>Flow from IC-11</u> 738.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	4.1																																											
Flow from IC-11	14.8																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 125.7	<u>Flow to IC-11</u> 125.7																																											
<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	0.0																																											
Flow from IC-11	0.0																																											
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 1812.9</td> <td style="text-align: center;"><u>Flow to IC-11</u> 1796.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 10</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 53.4</td> <td style="text-align: center;"><u>Flow from IC-11</u> 53.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">16.9</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">-0.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 1812.9	<u>Flow to IC-11</u> 1796.0	Index Cell 10		<u>Flow from IC-11</u> 53.4	<u>Flow from IC-11</u> 53.5	<u>Difference with ASR</u>		Flow to IC-11	16.9	Flow from IC-11	-0.1	<p style="text-align: center;"><u>2012 Recharge Credit</u> -4.9</p> <p style="text-align: center;">Index Cell 11</p> <p style="text-align: center;"><u>Loss to Little Ark River</u> 6.1</p> <p style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 119.5</td> <td style="text-align: center;"><u>Flow to IC-11</u> 119.7</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 1516.1</td> <td style="text-align: center;"><u>Flow from IC-11</u> 1509.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">-0.2</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">7.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 119.5	<u>Flow to IC-11</u> 119.7	<u>Flow from IC-11</u> 1516.1	<u>Flow from IC-11</u> 1509.0	<u>Difference with ASR</u>		Flow to IC-11	-0.2	Flow from IC-11	7.1																
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 1812.9	<u>Flow to IC-11</u> 1796.0																																											
Index Cell 10																																												
<u>Flow from IC-11</u> 53.4	<u>Flow from IC-11</u> 53.5																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	16.9																																											
Flow from IC-11	-0.1																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 119.5	<u>Flow to IC-11</u> 119.7																																											
<u>Flow from IC-11</u> 1516.1	<u>Flow from IC-11</u> 1509.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	-0.2																																											
Flow from IC-11	7.1																																											
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 45.0</td> <td style="text-align: center;"><u>Flow to IC-11</u> 44.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 15</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">0.5</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 45.0	<u>Flow to IC-11</u> 44.5	Index Cell 15		<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0	<u>Difference with ASR</u>		Flow to IC-11	0.5	Flow from IC-11	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 350.7</td> <td style="text-align: center;"><u>Flow to IC-11</u> 344.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 16</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 775.6</td> <td style="text-align: center;"><u>Flow from IC-11</u> 770.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">5.8</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">5.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 350.7	<u>Flow to IC-11</u> 344.9	Index Cell 16		<u>Flow from IC-11</u> 775.6	<u>Flow from IC-11</u> 770.5	<u>Difference with ASR</u>		Flow to IC-11	5.8	Flow from IC-11	5.1	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-11</u> 0.0</td> <td style="text-align: center;"><u>Flow to IC-11</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 17</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-11</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-11</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-11</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-11</u> 0.0	<u>Flow to IC-11</u> 0.0	Index Cell 17		<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0	<u>Difference with ASR</u>		Flow to IC-11	0.0	Flow from IC-11	0.0
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 45.0	<u>Flow to IC-11</u> 44.5																																											
Index Cell 15																																												
<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	0.5																																											
Flow from IC-11	0.0																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 350.7	<u>Flow to IC-11</u> 344.9																																											
Index Cell 16																																												
<u>Flow from IC-11</u> 775.6	<u>Flow from IC-11</u> 770.5																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	5.8																																											
Flow from IC-11	5.1																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-11</u> 0.0	<u>Flow to IC-11</u> 0.0																																											
Index Cell 17																																												
<u>Flow from IC-11</u> 0.0	<u>Flow from IC-11</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-11	0.0																																											
Flow from IC-11	0.0																																											

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 12				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	38,749	38,749	0	0.00
Stream	688,805	687,354	1,451	12.16
Recharge	0	0	0	0.00
ET	970	970	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 11	14,263	14,282	-19	-0.16
Index Cell 16	0	0	0	0.00
Index Cell 17	134,889	134,555	334	2.80
Outside Basin Area	15,180	15,176	5	0.04
Net Underflow Between Index Cells				2.68
Metered recharge (no recharge facilities)				

<u>With ASR</u> <u>Flow to IC-12</u> 0.0	<u>Without ASR</u> <u>Flow to IC-12</u> 0.0
Index Cell 07	
<u>Flow from IC-12</u> 0.0	<u>Flow from IC-12</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-12	0.0
Flow from IC-12	0.0

<u>With ASR</u> <u>Flow to IC-12</u> 1516.1	<u>Without ASR</u> <u>Flow to IC-12</u> 1509.0
Index Cell 11	
<u>Flow from IC-12</u> 119.5	<u>Flow from IC-12</u> 119.7
<u>Difference with ASR</u>	
Flow to IC-12	7.1
Flow from IC-12	-0.2

<u>2012 Recharge Credit</u> -0.7	
Index Cell 12	
<u>Loss to Little Ark River</u> 12.2	
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0	

<u>With ASR</u> <u>Flow to IC-12</u> 37.9	<u>Without ASR</u> <u>Flow to IC-12</u> 37.3
Index Cell 16	
<u>Flow from IC-12</u> 0.0	<u>Flow from IC-12</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-12	0.5
Flow from IC-12	0.0

<u>With ASR</u> <u>Flow to IC-12</u> 728.3	<u>Without ASR</u> <u>Flow to IC-12</u> 721.6
Index Cell 17	
<u>Flow from IC-12</u> 1130.3	<u>Flow from IC-12</u> 1127.5
<u>Difference with ASR</u>	
Flow to IC-12	6.8
Flow from IC-12	2.8

Index Cell 39	
<u>With ASR</u> <u>Flow to IC-12</u> 4851.8	<u>Without ASR</u> <u>Flow to IC-12</u> 4851.8
<u>Flow from IC-12</u> 127.2	<u>Flow from IC-12</u> 127.2
<u>Difference with ASR</u>	
Flow to IC-12	0.0
Flow from IC-12	0.0

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 13				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	100,311	100,311	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 8	101,947	103,276	-1,329	-11.13
Index Cell 9	7,537	7,637	-101	-0.84
Index Cell 14	384,318	385,326	-1,009	-8.45
Index Cell 18	224,851	224,737	114	0.96
Index Cell 19	48,703	48,617	86	0.72
Outside Basin Area	0	0	0	0.00
Net Underflow Between Index Cells				-18.75
Upgradient Cell - No Recharge Credits				
Metered recharge (no recharge facilities)				

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-13</u></td> <td style="text-align: center;"><u>Flow to IC-13</u></td> </tr> <tr> <td style="text-align: center;">1587.7</td> <td style="text-align: center;">1589.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">08</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-13</u></td> <td style="text-align: center;"><u>Flow from IC-13</u></td> </tr> <tr> <td style="text-align: center;">854.2</td> <td style="text-align: center;">865.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-13</td> <td style="text-align: center;">-1.3</td> </tr> <tr> <td style="text-align: center;">Flow from IC-13</td> <td style="text-align: center;">-11.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-13</u>	<u>Flow to IC-13</u>	1587.7	1589.0	Index Cell		08		<u>Flow from IC-13</u>	<u>Flow from IC-13</u>	854.2	865.4	<u>Difference with ASR</u>		Flow to IC-13	-1.3	Flow from IC-13	-11.1	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-13</u></td> <td style="text-align: center;"><u>Flow to IC-13</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">09</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-13</u></td> <td style="text-align: center;"><u>Flow from IC-13</u></td> </tr> <tr> <td style="text-align: center;">63.2</td> <td style="text-align: center;">64.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-13</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-13</td> <td style="text-align: center;">-0.8</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-13</u>	<u>Flow to IC-13</u>	0.0	0.0	Index Cell		09		<u>Flow from IC-13</u>	<u>Flow from IC-13</u>	63.2	64.0	<u>Difference with ASR</u>		Flow to IC-13	0.0	Flow from IC-13	-0.8
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-13</u>	<u>Flow to IC-13</u>																																								
1587.7	1589.0																																								
Index Cell																																									
08																																									
<u>Flow from IC-13</u>	<u>Flow from IC-13</u>																																								
854.2	865.4																																								
<u>Difference with ASR</u>																																									
Flow to IC-13	-1.3																																								
Flow from IC-13	-11.1																																								
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-13</u>	<u>Flow to IC-13</u>																																								
0.0	0.0																																								
Index Cell																																									
09																																									
<u>Flow from IC-13</u>	<u>Flow from IC-13</u>																																								
63.2	64.0																																								
<u>Difference with ASR</u>																																									
Flow to IC-13	0.0																																								
Flow from IC-13	-0.8																																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">----</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">13</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Amount Withdrawn from Aquifer Storage</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> </table>	<u>2012 Recharge Credit</u>		----		Index Cell		13		<u>Amount Withdrawn from Aquifer Storage</u>		0.0		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-13</u></td> <td style="text-align: center;"><u>Flow to IC-13</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">14</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-13</u></td> <td style="text-align: center;"><u>Flow from IC-13</u></td> </tr> <tr> <td style="text-align: center;">3220.3</td> <td style="text-align: center;">3228.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-13</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-13</td> <td style="text-align: center;">-8.5</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-13</u>	<u>Flow to IC-13</u>	0.0	0.0	Index Cell		14		<u>Flow from IC-13</u>	<u>Flow from IC-13</u>	3220.3	3228.7	<u>Difference with ASR</u>		Flow to IC-13	0.0	Flow from IC-13	-8.5								
<u>2012 Recharge Credit</u>																																									

Index Cell																																									
13																																									
<u>Amount Withdrawn from Aquifer Storage</u>																																									
0.0																																									
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-13</u>	<u>Flow to IC-13</u>																																								
0.0	0.0																																								
Index Cell																																									
14																																									
<u>Flow from IC-13</u>	<u>Flow from IC-13</u>																																								
3220.3	3228.7																																								
<u>Difference with ASR</u>																																									
Flow to IC-13	0.0																																								
Flow from IC-13	-8.5																																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-13</u></td> <td style="text-align: center;"><u>Flow to IC-13</u></td> </tr> <tr> <td style="text-align: center;">533.3</td> <td style="text-align: center;">548.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">18</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-13</u></td> <td style="text-align: center;"><u>Flow from IC-13</u></td> </tr> <tr> <td style="text-align: center;">1884.1</td> <td style="text-align: center;">1883.1</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-13</td> <td style="text-align: center;">-14.6</td> </tr> <tr> <td style="text-align: center;">Flow from IC-13</td> <td style="text-align: center;">1.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-13</u>	<u>Flow to IC-13</u>	533.3	548.0	Index Cell		18		<u>Flow from IC-13</u>	<u>Flow from IC-13</u>	1884.1	1883.1	<u>Difference with ASR</u>		Flow to IC-13	-14.6	Flow from IC-13	1.0	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-13</u></td> <td style="text-align: center;"><u>Flow to IC-13</u></td> </tr> <tr> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">19</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-13</u></td> <td style="text-align: center;"><u>Flow from IC-13</u></td> </tr> <tr> <td style="text-align: center;">408.1</td> <td style="text-align: center;">407.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-13</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-13</td> <td style="text-align: center;">0.7</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-13</u>	<u>Flow to IC-13</u>	0.0	0.0	Index Cell		19		<u>Flow from IC-13</u>	<u>Flow from IC-13</u>	408.1	407.4	<u>Difference with ASR</u>		Flow to IC-13	0.0	Flow from IC-13	0.7
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-13</u>	<u>Flow to IC-13</u>																																								
533.3	548.0																																								
Index Cell																																									
18																																									
<u>Flow from IC-13</u>	<u>Flow from IC-13</u>																																								
1884.1	1883.1																																								
<u>Difference with ASR</u>																																									
Flow to IC-13	-14.6																																								
Flow from IC-13	1.0																																								
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-13</u>	<u>Flow to IC-13</u>																																								
0.0	0.0																																								
Index Cell																																									
19																																									
<u>Flow from IC-13</u>	<u>Flow from IC-13</u>																																								
408.1	407.4																																								
<u>Difference with ASR</u>																																									
Flow to IC-13	0.0																																								
Flow from IC-13	0.7																																								

Index Cell 39	
<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-13</u>	<u>Flow to IC-13</u>
3414.0	3420.7
<u>Flow from IC-13</u>	<u>Flow from IC-13</u>
0.0	0.0
<u>Difference with ASR</u>	
Flow to IC-13	-6.7
Flow from IC-13	0.0

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 14				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	108,750	108,750	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 9	139,256	135,952	3,304	27.69
Index Cell 13	0	0	0	0.00
Index Cell 15	332,209	330,547	1,662	13.93
Index Cell 19	228,081	227,408	674	5.65
Net Underflow Between Index Cells				47.26
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>	<u>AF</u>	
RB-02	2007	66,897,663	205.30	
RB-02	2008	64,246,416	197.16	
RB-02	2009	52,498,208	161.11	
RB-02	2010	4,417,696	13.56	
RB-02	2011	0	0.00	
RB-02	2012	19,157,748	58.79	
MR42 (MK68)	2012	0	0.00	
MR43 (MK69)	2012	0	0.00	
MR44 (MK70)	2012	0	0.00	
MR56 (MK74)	2012	0	0.00	
MR57 (MK75)	2012	0	0.00	
Total		<u>207,217,731</u>	<u>635.93</u>	

<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">08</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-14</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	0.0	0.0	Index Cell		08		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-14	0.0	Flow from IC-14	0.0	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>985.0</td> <td>977.7</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">09</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>1166.9</td> <td>1139.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>7.3</td> </tr> <tr> <td>Flow from IC-14</td> <td>27.7</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	985.0	977.7	Index Cell		09		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	1166.9	1139.2	<u>Difference with ASR</u>		Flow to IC-14	7.3	Flow from IC-14	27.7	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">10</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-14</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	0.0	0.0	Index Cell		10		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-14	0.0	Flow from IC-14	0.0
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
08																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	0.0																																																													
Flow from IC-14	0.0																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
985.0	977.7																																																													
Index Cell																																																														
09																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
1166.9	1139.2																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	7.3																																																													
Flow from IC-14	27.7																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
10																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	0.0																																																													
Flow from IC-14	0.0																																																													
<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>3220.3</td> <td>3228.7</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">13</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>-8.5</td> </tr> <tr> <td>Flow from IC-14</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	3220.3	3228.7	Index Cell		13		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-14	-8.5	Flow from IC-14	0.0	<table> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">18.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">14</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recharge 2012</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">58.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Metered Recovery 2012</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> </table>	<u>2012 Recharge Credit</u>		18.8		Index Cell		14		<u>Metered Recharge 2012</u>		58.8		<u>Metered Recovery 2012</u>		0.0		<u>Change in Amount Withdrawn from Aquifer Storage</u>		0.0		<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">15</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>2783.7</td> <td>2769.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-14</td> <td>13.9</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	0.0	0.0	Index Cell		15		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	2783.7	2769.7	<u>Difference with ASR</u>		Flow to IC-14	0.0	Flow from IC-14	13.9
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
3220.3	3228.7																																																													
Index Cell																																																														
13																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	-8.5																																																													
Flow from IC-14	0.0																																																													
<u>2012 Recharge Credit</u>																																																														
18.8																																																														
Index Cell																																																														
14																																																														
<u>Metered Recharge 2012</u>																																																														
58.8																																																														
<u>Metered Recovery 2012</u>																																																														
0.0																																																														
<u>Change in Amount Withdrawn from Aquifer Storage</u>																																																														
0.0																																																														
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
15																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
2783.7	2769.7																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	0.0																																																													
Flow from IC-14	13.9																																																													
<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">18</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-14</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	0.0	0.0	Index Cell		18		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-14	0.0	Flow from IC-14	0.0	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>916.1</td> <td>930.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">19</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>1911.2</td> <td>1905.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>-14.2</td> </tr> <tr> <td>Flow from IC-14</td> <td>5.6</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	916.1	930.3	Index Cell		19		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	1911.2	1905.5	<u>Difference with ASR</u>		Flow to IC-14	-14.2	Flow from IC-14	5.6	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-14</u></td> <td><u>Flow to IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">20</td> </tr> <tr> <td><u>Flow from IC-14</u></td> <td><u>Flow from IC-14</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-14</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-14</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-14</u>	<u>Flow to IC-14</u>	0.0	0.0	Index Cell		20		<u>Flow from IC-14</u>	<u>Flow from IC-14</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-14	0.0	Flow from IC-14	0.0
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
18																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	0.0																																																													
Flow from IC-14	0.0																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
916.1	930.3																																																													
Index Cell																																																														
19																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
1911.2	1905.5																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	-14.2																																																													
Flow from IC-14	5.6																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-14</u>	<u>Flow to IC-14</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
20																																																														
<u>Flow from IC-14</u>	<u>Flow from IC-14</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-14	0.0																																																													
Flow from IC-14	0.0																																																													

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 15				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	256,035	256,035	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 9	0	0	0	0.00
Index Cell 10	100,289	99,853	436	3.66
Index Cell 11	5,366	5,305	61	0.51
Index Cell 14	0	0	0	0.00
Index Cell 16	394,288	392,747	1,541	12.91
Index Cell 19	0	0	0	0.00
Index Cell 20	193,899	193,012	888	7.44
Index Cell 21	14,704	14,637	67	0.56
Net Underflow Between Index Cells				25.08
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
MR08 (MK63)	2012	0		0.00
MR10 (MK56)	2012	0		0.00
MR11 (MK11)	2012	0		0.00
MR13 (MK57)	2012	0		0.00
Total		0		0.00

<p><u>With ASR</u> <u>Flow to IC-15</u> 268.3</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 265.5</p> <p>Index Cell 09</p> <p><u>Flow from IC-15</u> 0.0</p> <p><u>Flow from IC-15</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-15 2.8 Flow from IC-15 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-15</u> 1317.9</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 1308.6</p> <p>Index Cell 10</p> <p><u>Flow from IC-15</u> 840.3</p> <p><u>Flow from IC-15</u> 836.7</p> <p><u>Difference with ASR</u> Flow to IC-15 9.3 Flow from IC-15 3.7</p>	<p><u>With ASR</u> <u>Flow to IC-15</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 0.0</p> <p>Index Cell 11</p> <p><u>Flow from IC-15</u> 45.0</p> <p><u>Flow from IC-15</u> 44.5</p> <p><u>Difference with ASR</u> Flow to IC-15 0.0 Flow from IC-15 0.5</p>
<p><u>With ASR</u> <u>Flow to IC-15</u> 2783.7</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 2769.7</p> <p>Index Cell 14</p> <p><u>Flow from IC-15</u> 0.0</p> <p><u>Flow from IC-15</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-15 13.9 Flow from IC-15 0.0</p>	<p><u>2012 Recharge Credit</u> 1.0</p> <p>Index Cell 15</p> <p><u>Metered Recharge 2012</u> 0.0</p> <p><u>Metered Recovery 2012</u> 0.0</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-15</u> 5.6</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 5.8</p> <p>Index Cell 16</p> <p><u>Flow from IC-15</u> 3303.8</p> <p><u>Flow from IC-15</u> 3290.9</p> <p><u>Difference with ASR</u> Flow to IC-15 -0.2 Flow from IC-15 12.9</p>
<p><u>With ASR</u> <u>Flow to IC-15</u> 76.4</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 77.1</p> <p>Index Cell 19</p> <p><u>Flow from IC-15</u> 0.0</p> <p><u>Flow from IC-15</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-15 -0.7 Flow from IC-15 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-15</u> 1761.4</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 1766.9</p> <p>Index Cell 20</p> <p><u>Flow from IC-15</u> 1624.7</p> <p><u>Flow from IC-15</u> 1617.3</p> <p><u>Difference with ASR</u> Flow to IC-15 -5.6 Flow from IC-15 7.4</p>	<p><u>With ASR</u> <u>Flow to IC-15</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-15</u> 0.0</p> <p>Index Cell 21</p> <p><u>Flow from IC-15</u> 123.2</p> <p><u>Flow from IC-15</u> 122.6</p> <p><u>Difference with ASR</u> Flow to IC-15 0.0 Flow from IC-15 0.6</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 16				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	362,412	362,412	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 11	41,858	41,161	697	5.84
Index Cell 12	4,517	4,457	61	0.51
Index Cell 15	673	698	-24	-0.20
Index Cell 17	267,197	265,832	1,365	11.44
Index Cell 21	149,548	148,871	677	5.67
Net Underflow Between Index Cells				23.26
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
MR14 (MK14)	2012	0		0.00
MR18 (MK64)	2012	0		0.00
MR59 (MK77)	2012	0		0.00
	Total	0		0.00

<p><u>With ASR</u> <u>Flow to IC-16</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 0.0</p> <p>Index Cell 10</p> <p><u>Flow from IC-16</u> 0.0</p> <p><u>Flow from IC-16</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-16 0.0 Flow from IC-16 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-16</u> 775.6</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 770.5</p> <p>Index Cell 11</p> <p><u>Flow from IC-16</u> 350.7</p> <p><u>Flow from IC-16</u> 344.9</p> <p><u>Difference with ASR</u> Flow to IC-16 5.1 Flow from IC-16 5.8</p>	<p><u>With ASR</u> <u>Flow to IC-16</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 0.0</p> <p>Index Cell 12</p> <p><u>Flow from IC-16</u> 37.9</p> <p><u>Flow from IC-16</u> 37.3</p> <p><u>Difference with ASR</u> Flow to IC-16 0.0 Flow from IC-16 0.5</p>
<p><u>With ASR</u> <u>Flow to IC-16</u> 3303.8</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 3290.9</p> <p>Index Cell 15</p> <p><u>Flow from IC-16</u> 5.6</p> <p><u>Flow from IC-16</u> 5.8</p> <p><u>Difference with ASR</u> Flow to IC-16 12.9 Flow from IC-16 -0.2</p>	<p><u>2012 Recharge Credit</u> -3.6</p> <p>Index Cell 16</p> <p><u>Metered Recharge 2012</u> 0.0</p> <p><u>Metered Recovery 2012</u> 0.0</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-16</u> 11.4</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 11.6</p> <p>Index Cell 17</p> <p><u>Flow from IC-16</u> 2238.9</p> <p><u>Flow from IC-16</u> 2227.5</p> <p><u>Difference with ASR</u> Flow to IC-16 -0.1 Flow from IC-16 11.4</p>
<p><u>With ASR</u> <u>Flow to IC-16</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 0.0</p> <p>Index Cell 20</p> <p><u>Flow from IC-16</u> 0.0</p> <p><u>Flow from IC-16</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-16 0.0 Flow from IC-16 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-16</u> 1159.2</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 1157.4</p> <p>Index Cell 21</p> <p><u>Flow from IC-16</u> 1253.1</p> <p><u>Flow from IC-16</u> 1247.4</p> <p><u>Difference with ASR</u> Flow to IC-16 1.9 Flow from IC-16 5.7</p>	<p><u>With ASR</u> <u>Flow to IC-16</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-16</u> 0.0</p> <p>Index Cell 22</p> <p><u>Flow from IC-16</u> 0.0</p> <p><u>Flow from IC-16</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-16 0.0 Flow from IC-16 0.0</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 17				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	113,787	113,787	0	0.00
Stream	494,751	493,626	1,126	9.43
Recharge	0	0	0	0.00
ET	525	523	2	0.01
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 12	86,922	86,116	806	6.75
Index Cell 16	1,365	1,379	-14	-0.12
Index Cell 22	130,407	129,946	461	3.86
Index Cell 23	102,745	102,618	127	1.06
Outside Basin Area	12,118	12,098	20	0.17
Net Underflow Between Index Cells				11.72
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-17</u> 0.0</td> <td style="text-align: center;"><u>Flow to IC-17</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 11</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-17</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-17</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-17</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-17</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-17</u> 0.0	<u>Flow to IC-17</u> 0.0	Index Cell 11		<u>Flow from IC-17</u> 0.0	<u>Flow from IC-17</u> 0.0	<u>Difference with ASR</u>		Flow to IC-17	0.0	Flow from IC-17	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-17</u> 1130.3</td> <td style="text-align: center;"><u>Flow to IC-17</u> 1127.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 12</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-17</u> 728.3</td> <td style="text-align: center;"><u>Flow from IC-17</u> 721.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-17</td> <td style="text-align: center;">2.8</td> </tr> <tr> <td style="text-align: center;">Flow from IC-17</td> <td style="text-align: center;">6.8</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-17</u> 1130.3	<u>Flow to IC-17</u> 1127.5	Index Cell 12		<u>Flow from IC-17</u> 728.3	<u>Flow from IC-17</u> 721.6	<u>Difference with ASR</u>		Flow to IC-17	2.8	Flow from IC-17	6.8	<h3 style="text-align: center;">Index Cell 39</h3> <table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-17</u> 2200.3</td> <td style="text-align: center;"><u>Flow to IC-17</u> 2200.6</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-17</u> 101.5</td> <td style="text-align: center;"><u>Flow from IC-17</u> 101.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-17</td> <td style="text-align: center;">-0.3</td> </tr> <tr> <td style="text-align: center;">Flow from IC-17</td> <td style="text-align: center;">0.2</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-17</u> 2200.3	<u>Flow to IC-17</u> 2200.6	<u>Flow from IC-17</u> 101.5	<u>Flow from IC-17</u> 101.4	<u>Difference with ASR</u>		Flow to IC-17	-0.3	Flow from IC-17	0.2		
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-17</u> 0.0	<u>Flow to IC-17</u> 0.0																																											
Index Cell 11																																												
<u>Flow from IC-17</u> 0.0	<u>Flow from IC-17</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-17	0.0																																											
Flow from IC-17	0.0																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-17</u> 1130.3	<u>Flow to IC-17</u> 1127.5																																											
Index Cell 12																																												
<u>Flow from IC-17</u> 728.3	<u>Flow from IC-17</u> 721.6																																											
<u>Difference with ASR</u>																																												
Flow to IC-17	2.8																																											
Flow from IC-17	6.8																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-17</u> 2200.3	<u>Flow to IC-17</u> 2200.6																																											
<u>Flow from IC-17</u> 101.5	<u>Flow from IC-17</u> 101.4																																											
<u>Difference with ASR</u>																																												
Flow to IC-17	-0.3																																											
Flow from IC-17	0.2																																											
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-17</u> 2238.9</td> <td style="text-align: center;"><u>Flow to IC-17</u> 2227.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 16</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-17</u> 11.4</td> <td style="text-align: center;"><u>Flow from IC-17</u> 11.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-17</td> <td style="text-align: center;">11.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-17</td> <td style="text-align: center;">-0.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-17</u> 2238.9	<u>Flow to IC-17</u> 2227.5	Index Cell 16		<u>Flow from IC-17</u> 11.4	<u>Flow from IC-17</u> 11.6	<u>Difference with ASR</u>		Flow to IC-17	11.4	Flow from IC-17	-0.1	<table border="0"> <tr> <td style="text-align: center;"><u>2012 Recharge Credit</u> -0.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 17</td> </tr> <tr> <td style="text-align: center;"><u>Loss to Little Ark River</u> 9.4</td> </tr> <tr> <td style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> -0.8	Index Cell 17		<u>Loss to Little Ark River</u> 9.4	<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																								
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-17</u> 2238.9	<u>Flow to IC-17</u> 2227.5																																											
Index Cell 16																																												
<u>Flow from IC-17</u> 11.4	<u>Flow from IC-17</u> 11.6																																											
<u>Difference with ASR</u>																																												
Flow to IC-17	11.4																																											
Flow from IC-17	-0.1																																											
<u>2012 Recharge Credit</u> -0.8																																												
Index Cell 17																																												
<u>Loss to Little Ark River</u> 9.4																																												
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																												
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-17</u> 0.0</td> <td style="text-align: center;"><u>Flow to IC-17</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 21</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-17</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-17</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-17</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-17</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-17</u> 0.0	<u>Flow to IC-17</u> 0.0	Index Cell 21		<u>Flow from IC-17</u> 0.0	<u>Flow from IC-17</u> 0.0	<u>Difference with ASR</u>		Flow to IC-17	0.0	Flow from IC-17	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-17</u> 724.0</td> <td style="text-align: center;"><u>Flow to IC-17</u> 719.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 22</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-17</u> 1092.7</td> <td style="text-align: center;"><u>Flow from IC-17</u> 1088.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-17</td> <td style="text-align: center;">4.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-17</td> <td style="text-align: center;">3.9</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-17</u> 724.0	<u>Flow to IC-17</u> 719.6	Index Cell 22		<u>Flow from IC-17</u> 1092.7	<u>Flow from IC-17</u> 1088.8	<u>Difference with ASR</u>		Flow to IC-17	4.4	Flow from IC-17	3.9	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-17</u> 271.4</td> <td style="text-align: center;"><u>Flow to IC-17</u> 269.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 23</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-16</u> 860.9</td> <td style="text-align: center;"><u>Flow from IC-16</u> 859.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-17</td> <td style="text-align: center;">1.9</td> </tr> <tr> <td style="text-align: center;">Flow from IC-17</td> <td style="text-align: center;">1.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-17</u> 271.4	<u>Flow to IC-17</u> 269.5	Index Cell 23		<u>Flow from IC-16</u> 860.9	<u>Flow from IC-16</u> 859.9	<u>Difference with ASR</u>		Flow to IC-17	1.9	Flow from IC-17	1.1
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-17</u> 0.0	<u>Flow to IC-17</u> 0.0																																											
Index Cell 21																																												
<u>Flow from IC-17</u> 0.0	<u>Flow from IC-17</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-17	0.0																																											
Flow from IC-17	0.0																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-17</u> 724.0	<u>Flow to IC-17</u> 719.6																																											
Index Cell 22																																												
<u>Flow from IC-17</u> 1092.7	<u>Flow from IC-17</u> 1088.8																																											
<u>Difference with ASR</u>																																												
Flow to IC-17	4.4																																											
Flow from IC-17	3.9																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-17</u> 271.4	<u>Flow to IC-17</u> 269.5																																											
Index Cell 23																																												
<u>Flow from IC-16</u> 860.9	<u>Flow from IC-16</u> 859.9																																											
<u>Difference with ASR</u>																																												
Flow to IC-17	1.9																																											
Flow from IC-17	1.1																																											

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 18				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	179,737	179,737	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 13	63,650	65,395	-1,745	-14.63
Index Cell 19	489,341	489,669	-328	-2.75
Index Cell 24	272,361	272,206	155	1.30
Outside Basin Area	0	0	0	0.00
Net Underflow Between Index Cells				-16.08
Upgradient Cell - No Recharge Credits				
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-18</u> 1884.1</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-18</u> 1883.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 13</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-18</u> 533.3</td> <td style="text-align: center;"><u>Flow from IC-18</u> 548.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-18</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-18</td> <td style="text-align: center;">-14.6</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-18</u> 1884.1	<u>Without ASR</u> <u>Flow to IC-18</u> 1883.1	Index Cell 13		<u>Flow from IC-18</u> 533.3	<u>Flow from IC-18</u> 548.0	<u>Difference with ASR</u>		Flow to IC-18	1.0	Flow from IC-18	-14.6	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-18</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-18</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 14</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-18</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-18</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-18</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-18</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-18</u> 0.0	<u>Without ASR</u> <u>Flow to IC-18</u> 0.0	Index Cell 14		<u>Flow from IC-18</u> 0.0	<u>Flow from IC-18</u> 0.0	<u>Difference with ASR</u>		Flow to IC-18	0.0	Flow from IC-18	0.0
<u>With ASR</u> <u>Flow to IC-18</u> 1884.1	<u>Without ASR</u> <u>Flow to IC-18</u> 1883.1																								
Index Cell 13																									
<u>Flow from IC-18</u> 533.3	<u>Flow from IC-18</u> 548.0																								
<u>Difference with ASR</u>																									
Flow to IC-18	1.0																								
Flow from IC-18	-14.6																								
<u>With ASR</u> <u>Flow to IC-18</u> 0.0	<u>Without ASR</u> <u>Flow to IC-18</u> 0.0																								
Index Cell 14																									
<u>Flow from IC-18</u> 0.0	<u>Flow from IC-18</u> 0.0																								
<u>Difference with ASR</u>																									
Flow to IC-18	0.0																								
Flow from IC-18	0.0																								
<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> ----</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 18</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> ----		Index Cell 18		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-18</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-18</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 19</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-18</u> 4100.3</td> <td style="text-align: center;"><u>Flow from IC-18</u> 4103.1</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-18</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-18</td> <td style="text-align: center;">-2.7</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-18</u> 0.0	<u>Without ASR</u> <u>Flow to IC-18</u> 0.0	Index Cell 19		<u>Flow from IC-18</u> 4100.3	<u>Flow from IC-18</u> 4103.1	<u>Difference with ASR</u>		Flow to IC-18	0.0	Flow from IC-18	-2.7						
<u>2012 Recharge Credit</u> ----																									
Index Cell 18																									
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																									
<u>With ASR</u> <u>Flow to IC-18</u> 0.0	<u>Without ASR</u> <u>Flow to IC-18</u> 0.0																								
Index Cell 19																									
<u>Flow from IC-18</u> 4100.3	<u>Flow from IC-18</u> 4103.1																								
<u>Difference with ASR</u>																									
Flow to IC-18	0.0																								
Flow from IC-18	-2.7																								
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-18</u> 956.4</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-18</u> 967.7</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 24</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-18</u> 2282.2</td> <td style="text-align: center;"><u>Flow from IC-18</u> 2280.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-18</td> <td style="text-align: center;">-11.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-18</td> <td style="text-align: center;">1.3</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-18</u> 956.4	<u>Without ASR</u> <u>Flow to IC-18</u> 967.7	Index Cell 24		<u>Flow from IC-18</u> 2282.2	<u>Flow from IC-18</u> 2280.9	<u>Difference with ASR</u>		Flow to IC-18	-11.4	Flow from IC-18	1.3	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-18</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-18</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 25</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-18</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-18</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-18</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-18</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-18</u> 0.0	<u>Without ASR</u> <u>Flow to IC-18</u> 0.0	Index Cell 25		<u>Flow from IC-18</u> 0.0	<u>Flow from IC-18</u> 0.0	<u>Difference with ASR</u>		Flow to IC-18	0.0	Flow from IC-18	0.0
<u>With ASR</u> <u>Flow to IC-18</u> 956.4	<u>Without ASR</u> <u>Flow to IC-18</u> 967.7																								
Index Cell 24																									
<u>Flow from IC-18</u> 2282.2	<u>Flow from IC-18</u> 2280.9																								
<u>Difference with ASR</u>																									
Flow to IC-18	-11.4																								
Flow from IC-18	1.3																								
<u>With ASR</u> <u>Flow to IC-18</u> 0.0	<u>Without ASR</u> <u>Flow to IC-18</u> 0.0																								
Index Cell 25																									
<u>Flow from IC-18</u> 0.0	<u>Flow from IC-18</u> 0.0																								
<u>Difference with ASR</u>																									
Flow to IC-18	0.0																								
Flow from IC-18	0.0																								

Index Cell 39	
<u>With ASR</u> <u>Flow to IC-18</u> 3960.5	<u>Without ASR</u> <u>Flow to IC-18</u> 3968.1
<u>Flow from IC-18</u> 0.0	<u>Flow from IC-18</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-18	-7.5
Flow from IC-18	0.0

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 19				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	209,239	209,239	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 13	0	0	0	0.00
Index Cell 14	109,330	111,030	-1,700	-14.24
Index Cell 15	9,121	9,201	-80	-0.67
Index Cell 18	0	0	0	0.00
Index Cell 20	465,632	465,104	528	4.43
Index Cell 24	0	0	0	0.00
Index Cell 25	240,626	240,150	477	3.99
Index Cell 26	20,698	20,649	49	0.41
Net Underflow Between Index Cells				8.83
Metered recharge				
	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
MR45 (MK71)	2012	0		0.00
MR47 (MK60)	2012	0		0.00
	Total	0		0.00

<p><u>With ASR</u> <u>Flow to IC-19</u> 408.1</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 407.4</p> <p>Index Cell 13</p> <p><u>Flow from IC-19</u> 0.0</p> <p><u>Flow from IC-19</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-19 0.7 Flow from IC-19 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-19</u> 1911.2</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 1905.5</p> <p>Index Cell 14</p> <p><u>Flow from IC-19</u> 916.1</p> <p><u>Flow from IC-19</u> 930.3</p> <p><u>Difference with ASR</u> Flow to IC-19 5.6 Flow from IC-19 -14.2</p>	<p><u>With ASR</u> <u>Flow to IC-19</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 0.0</p> <p>Index Cell 15</p> <p><u>Flow from IC-19</u> 76.4</p> <p><u>Flow from IC-19</u> 77.1</p> <p><u>Difference with ASR</u> Flow to IC-19 0.0 Flow from IC-19 -0.7</p>
<p><u>With ASR</u> <u>Flow to IC-19</u> 4100.3</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 4103.1</p> <p>Index Cell 18</p> <p><u>Flow from IC-19</u> 0.0</p> <p><u>Flow from IC-19</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-19 -2.7 Flow from IC-19 0.0</p>	<p><u>2012 Recharge Credit</u> -2.5</p> <p>Index Cell 19</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-19</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 0.0</p> <p>Index Cell 20</p> <p><u>Flow from IC-19</u> 3901.6</p> <p><u>Flow from IC-19</u> 3897.2</p> <p><u>Difference with ASR</u> Flow to IC-19 0.0 Flow from IC-19 4.4</p>
<p><u>With ASR</u> <u>Flow to IC-19</u> 40.3</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 41.0</p> <p>Index Cell 24</p> <p><u>Flow from IC-19</u> 0.0</p> <p><u>Flow from IC-19</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-19 -0.7 Flow from IC-19 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-19</u> 624.9</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 636.1</p> <p>Index Cell 25</p> <p><u>Flow from IC-19</u> 2016.3</p> <p><u>Flow from IC-19</u> 2012.3</p> <p><u>Difference with ASR</u> Flow to IC-19 -11.1 Flow from IC-19 4.0</p>	<p><u>With ASR</u> <u>Flow to IC-19</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-19</u> 0.0</p> <p>Index Cell 26</p> <p><u>Flow from IC-19</u> 173.4</p> <p><u>Flow from IC-19</u> 173.0</p> <p><u>Difference with ASR</u> Flow to IC-19 0.0 Flow from IC-19 0.4</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 20				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	110,841	110,841	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 15	210,205	210,868	-663	-5.55
Index Cell 19	0	0	0	0.00
Index Cell 21	486,585	485,564	1,021	8.56
Index Cell 26	202,087	201,566	521	4.36
Net Underflow Between Index Cells				12.92
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
MR58 (MK76)	2012	0		0.00
MR61 (MK79)	2012	0		0.00
Total		0		0.00

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 14</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0	Index Cell 14		<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0	<u>Difference with ASR</u>		Flow to IC-20	0.0	Flow from IC-20	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 1624.7</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 1617.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 15</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 1761.4</td> <td style="text-align: center;"><u>Flow from IC-20</u> 1766.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">7.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">-5.6</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 1624.7	<u>Without ASR</u> <u>Flow to IC-20</u> 1617.3	Index Cell 15		<u>Flow from IC-20</u> 1761.4	<u>Flow from IC-20</u> 1766.9	<u>Difference with ASR</u>		Flow to IC-20	7.4	Flow from IC-20	-5.6	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 16</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0	Index Cell 16		<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0	<u>Difference with ASR</u>		Flow to IC-20	0.0	Flow from IC-20	0.0
<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0																																					
Index Cell 14																																						
<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	0.0																																					
Flow from IC-20	0.0																																					
<u>With ASR</u> <u>Flow to IC-20</u> 1624.7	<u>Without ASR</u> <u>Flow to IC-20</u> 1617.3																																					
Index Cell 15																																						
<u>Flow from IC-20</u> 1761.4	<u>Flow from IC-20</u> 1766.9																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	7.4																																					
Flow from IC-20	-5.6																																					
<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0																																					
Index Cell 16																																						
<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	0.0																																					
Flow from IC-20	0.0																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 3901.6</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 3897.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 19</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">4.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 3901.6	<u>Without ASR</u> <u>Flow to IC-20</u> 3897.2	Index Cell 19		<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0	<u>Difference with ASR</u>		Flow to IC-20	4.4	Flow from IC-20	0.0	<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> -1.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 20</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> -1.1		Index Cell 20		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 21</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 4077.2</td> <td style="text-align: center;"><u>Flow from IC-20</u> 4068.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">8.6</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0	Index Cell 21		<u>Flow from IC-20</u> 4077.2	<u>Flow from IC-20</u> 4068.7	<u>Difference with ASR</u>		Flow to IC-20	0.0	Flow from IC-20	8.6						
<u>With ASR</u> <u>Flow to IC-20</u> 3901.6	<u>Without ASR</u> <u>Flow to IC-20</u> 3897.2																																					
Index Cell 19																																						
<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	4.4																																					
Flow from IC-20	0.0																																					
<u>2012 Recharge Credit</u> -1.1																																						
Index Cell 20																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0																																					
Index Cell 21																																						
<u>Flow from IC-20</u> 4077.2	<u>Flow from IC-20</u> 4068.7																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	0.0																																					
Flow from IC-20	8.6																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 25</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0	Index Cell 25		<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0	<u>Difference with ASR</u>		Flow to IC-20	0.0	Flow from IC-20	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 1187.4</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 1194.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 26</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 1693.3</td> <td style="text-align: center;"><u>Flow from IC-20</u> 1689.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">-6.7</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">4.4</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 1187.4	<u>Without ASR</u> <u>Flow to IC-20</u> 1194.2	Index Cell 26		<u>Flow from IC-20</u> 1693.3	<u>Flow from IC-20</u> 1689.0	<u>Difference with ASR</u>		Flow to IC-20	-6.7	Flow from IC-20	4.4	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-20</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 27</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-20</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-20</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-20</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0	Index Cell 27		<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0	<u>Difference with ASR</u>		Flow to IC-20	0.0	Flow from IC-20	0.0
<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0																																					
Index Cell 25																																						
<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	0.0																																					
Flow from IC-20	0.0																																					
<u>With ASR</u> <u>Flow to IC-20</u> 1187.4	<u>Without ASR</u> <u>Flow to IC-20</u> 1194.2																																					
Index Cell 26																																						
<u>Flow from IC-20</u> 1693.3	<u>Flow from IC-20</u> 1689.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	-6.7																																					
Flow from IC-20	4.4																																					
<u>With ASR</u> <u>Flow to IC-20</u> 0.0	<u>Without ASR</u> <u>Flow to IC-20</u> 0.0																																					
Index Cell 27																																						
<u>Flow from IC-20</u> 0.0	<u>Flow from IC-20</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-20	0.0																																					
Flow from IC-20	0.0																																					

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 21				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	424,415	424,415	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 15	0	0	0	0.00
Index Cell 16	138,346	138,124	222	1.86
Index Cell 20	0	0	0	0.00
Index Cell 22	311,883	310,832	1,051	8.81
Index Cell 27	142,665	142,219	446	3.74
Index Cell 28	52,572	52,488	85	0.71
Net Underflow Between Index Cells				15.12
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
MR19 (MK19)	2012	0		0.00
MR20 (MK65)	2012	0		0.00
MR26 (MK58)	2012	0		0.00
MR48 (MK59)	2012	0		0.00
MR50 (MK50)	2012	0		0.00
MR60 (MK78)	2012	0		0.00
Total		0		0.00

<p><u>With ASR</u> Flow to IC-21 123.2</p> <p><u>Without ASR</u> Flow to IC-21 122.6</p> <p>Index Cell 15</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-21 0.6 Flow from IC-21 0.0</p>	<p><u>With ASR</u> Flow to IC-21 1253.1</p> <p><u>Without ASR</u> Flow to IC-21 1247.4</p> <p>Index Cell 16</p> <p><u>Flow from IC-21</u> 1159.2</p> <p><u>Flow from IC-21</u> 1157.4</p> <p><u>Difference with ASR</u> Flow to IC-21 5.7 Flow from IC-21 1.9</p>	<p><u>With ASR</u> Flow to IC-21 0.0</p> <p><u>Without ASR</u> Flow to IC-21 0.0</p> <p>Index Cell 17</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-21 0.0 Flow from IC-21 0.0</p>
<p><u>With ASR</u> Flow to IC-21 4077.2</p> <p><u>Without ASR</u> Flow to IC-21 4068.7</p> <p>Index Cell 20</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-21 8.6 Flow from IC-21 0.0</p>	<p><u>2012 Recharge Credit</u> -0.3</p> <p>Index Cell 21</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> Flow to IC-21 63.4</p> <p><u>Without ASR</u> Flow to IC-21 63.4</p> <p>Index Cell 22</p> <p><u>Flow from IC-21</u> 2613.3</p> <p><u>Flow from IC-21</u> 2604.5</p> <p><u>Difference with ASR</u> Flow to IC-21 0.0 Flow from IC-21 8.8</p>
<p><u>With ASR</u> Flow to IC-21 0.0</p> <p><u>Without ASR</u> Flow to IC-21 0.0</p> <p>Index Cell 26</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Flow from IC-21</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-21 0.0 Flow from IC-21 0.0</p>	<p><u>With ASR</u> Flow to IC-21 1713.4</p> <p><u>Without ASR</u> Flow to IC-21 1714.3</p> <p>Index Cell 27</p> <p><u>Flow from IC-21</u> 1195.4</p> <p><u>Flow from IC-21</u> 1191.7</p> <p><u>Difference with ASR</u> Flow to IC-21 -0.9 Flow from IC-21 3.7</p>	<p><u>With ASR</u> Flow to IC-21 0.0</p> <p><u>Without ASR</u> Flow to IC-21 0.0</p> <p>Index Cell 28</p> <p><u>Flow from IC-21</u> 440.5</p> <p><u>Flow from IC-21</u> 439.8</p> <p><u>Difference with ASR</u> Flow to IC-21 0.0 Flow from IC-21 0.7</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 22				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	101,876	101,876	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 17	86,404	85,883	521	4.37
Index Cell 21	7,566	7,570	-4	-0.03
Index Cell 23	265,722	265,035	687	5.76
Index Cell 28	172,895	172,528	366	3.07
Net Underflow Between Index Cells				13.16
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
MR22 (MK66)	2012	0		0.00
	Total	0		0.00

<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-22</u></td> <td><u>Flow to IC-22</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">16</td> </tr> <tr> <td><u>Flow from IC-22</u></td> <td><u>Flow from IC-22</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-22</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-22</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-22</u>	<u>Flow to IC-22</u>	0.0	0.0	Index Cell		16		<u>Flow from IC-22</u>	<u>Flow from IC-22</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-22	0.0	Flow from IC-22	0.0	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-22</u></td> <td><u>Flow to IC-22</u></td> </tr> <tr> <td>1092.7</td> <td>1088.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">17</td> </tr> <tr> <td><u>Flow from IC-22</u></td> <td><u>Flow from IC-22</u></td> </tr> <tr> <td>724.0</td> <td>719.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-22</td> <td>3.9</td> </tr> <tr> <td>Flow from IC-22</td> <td>4.4</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-22</u>	<u>Flow to IC-22</u>	1092.7	1088.8	Index Cell		17		<u>Flow from IC-22</u>	<u>Flow from IC-22</u>	724.0	719.6	<u>Difference with ASR</u>		Flow to IC-22	3.9	Flow from IC-22	4.4																					
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-22</u>	<u>Flow to IC-22</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
16																																																														
<u>Flow from IC-22</u>	<u>Flow from IC-22</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-22	0.0																																																													
Flow from IC-22	0.0																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-22</u>	<u>Flow to IC-22</u>																																																													
1092.7	1088.8																																																													
Index Cell																																																														
17																																																														
<u>Flow from IC-22</u>	<u>Flow from IC-22</u>																																																													
724.0	719.6																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-22	3.9																																																													
Flow from IC-22	4.4																																																													
<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-22</u></td> <td><u>Flow to IC-22</u></td> </tr> <tr> <td>2613.3</td> <td>2604.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">21</td> </tr> <tr> <td><u>Flow from IC-22</u></td> <td><u>Flow from IC-22</u></td> </tr> <tr> <td>63.4</td> <td>63.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-22</td> <td>8.8</td> </tr> <tr> <td>Flow from IC-22</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-22</u>	<u>Flow to IC-22</u>	2613.3	2604.5	Index Cell		21		<u>Flow from IC-22</u>	<u>Flow from IC-22</u>	63.4	63.4	<u>Difference with ASR</u>		Flow to IC-22	8.8	Flow from IC-22	0.0	<table> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">22</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> </table>	<u>2012 Recharge Credit</u>		0.0		Index Cell		22		<u>Change in Amount Withdrawn from Aquifer Storage</u>		0.0		<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-22</u></td> <td><u>Flow to IC-22</u></td> </tr> <tr> <td>28.0</td> <td>28.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">23</td> </tr> <tr> <td><u>Flow from IC-22</u></td> <td><u>Flow from IC-22</u></td> </tr> <tr> <td>2226.6</td> <td>2220.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-22</td> <td>-0.1</td> </tr> <tr> <td>Flow from IC-22</td> <td>5.8</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-22</u>	<u>Flow to IC-22</u>	28.0	28.1	Index Cell		23		<u>Flow from IC-22</u>	<u>Flow from IC-22</u>	2226.6	2220.8	<u>Difference with ASR</u>		Flow to IC-22	-0.1	Flow from IC-22	5.8								
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-22</u>	<u>Flow to IC-22</u>																																																													
2613.3	2604.5																																																													
Index Cell																																																														
21																																																														
<u>Flow from IC-22</u>	<u>Flow from IC-22</u>																																																													
63.4	63.4																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-22	8.8																																																													
Flow from IC-22	0.0																																																													
<u>2012 Recharge Credit</u>																																																														
0.0																																																														
Index Cell																																																														
22																																																														
<u>Change in Amount Withdrawn from Aquifer Storage</u>																																																														
0.0																																																														
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-22</u>	<u>Flow to IC-22</u>																																																													
28.0	28.1																																																													
Index Cell																																																														
23																																																														
<u>Flow from IC-22</u>	<u>Flow from IC-22</u>																																																													
2226.6	2220.8																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-22	-0.1																																																													
Flow from IC-22	5.8																																																													
<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-22</u></td> <td><u>Flow to IC-22</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">27</td> </tr> <tr> <td><u>Flow from IC-22</u></td> <td><u>Flow from IC-22</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-22</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-22</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-22</u>	<u>Flow to IC-22</u>	0.0	0.0	Index Cell		27		<u>Flow from IC-22</u>	<u>Flow from IC-22</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-22	0.0	Flow from IC-22	0.0	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-22</u></td> <td><u>Flow to IC-22</u></td> </tr> <tr> <td>85.0</td> <td>84.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">28</td> </tr> <tr> <td><u>Flow from IC-22</u></td> <td><u>Flow from IC-22</u></td> </tr> <tr> <td>1448.7</td> <td>1445.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-22</td> <td>0.5</td> </tr> <tr> <td>Flow from IC-22</td> <td>3.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-22</u>	<u>Flow to IC-22</u>	85.0	84.5	Index Cell		28		<u>Flow from IC-22</u>	<u>Flow from IC-22</u>	1448.7	1445.7	<u>Difference with ASR</u>		Flow to IC-22	0.5	Flow from IC-22	3.1	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-22</u></td> <td><u>Flow to IC-22</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">29</td> </tr> <tr> <td><u>Flow from IC-22</u></td> <td><u>Flow from IC-22</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-22</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-22</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-22</u>	<u>Flow to IC-22</u>	0.0	0.0	Index Cell		29		<u>Flow from IC-22</u>	<u>Flow from IC-22</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-22	0.0	Flow from IC-22	0.0
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-22</u>	<u>Flow to IC-22</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
27																																																														
<u>Flow from IC-22</u>	<u>Flow from IC-22</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-22	0.0																																																													
Flow from IC-22	0.0																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-22</u>	<u>Flow to IC-22</u>																																																													
85.0	84.5																																																													
Index Cell																																																														
28																																																														
<u>Flow from IC-22</u>	<u>Flow from IC-22</u>																																																													
1448.7	1445.7																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-22	0.5																																																													
Flow from IC-22	3.1																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-22</u>	<u>Flow to IC-22</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
29																																																														
<u>Flow from IC-22</u>	<u>Flow from IC-22</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-22	0.0																																																													
Flow from IC-22	0.0																																																													

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 23				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	156,444	156,444	0	0.00
Stream	386,653	386,035	618	5.18
Recharge	0	0	0	0.00
ET	416	415	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 17	32,391	32,166	224	1.88
Index Cell 22	3,339	3,355	-16	-0.13
Index Cell 28	0	0	0	0.00
Index Cell 29	145,611	145,406	205	1.72
Outside Basin Area	3,420	3,420	0	0.00
Net Underflow Between Index Cells				3.46
Metered recharge (no recharge facilities)				

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-23</u> 860.9	<u>Flow to IC-23</u> 859.9
Index Cell 17	
<u>Flow from IC-23</u> 271.4	<u>Flow from IC-23</u> 269.5
<u>Difference with ASR</u>	
Flow to IC-23	1.1
Flow from IC-23	1.9

Index Cell 39

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-23</u> 1614.1	<u>Flow to IC-23</u> 1614.1
<u>Flow from IC-23</u> 28.7	<u>Flow from IC-23</u> 28.7
<u>Difference with ASR</u>	
Flow to IC-23	0.0
Flow from IC-23	0.0

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-23</u> 2226.6	<u>Flow to IC-23</u> 2220.8
Index Cell 22	
<u>Flow from IC-23</u> 28.0	<u>Flow from IC-23</u> 28.1
<u>Difference with ASR</u>	
Flow to IC-23	5.8
Flow from IC-23	-0.1

<u>2012 Recharge Credit</u> 0.0	
Index Cell 23	
<u>Loss to Little Ark River</u> 5.2	
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0	

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-23</u> 32.9	<u>Flow to IC-23</u> 32.8
Index Cell 28	
<u>Flow from IC-23</u> 0.0	<u>Flow from IC-23</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-23	0.1
Flow from IC-23	0.0

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-23</u> 670.1	<u>Flow to IC-23</u> 668.2
Index Cell 29	
<u>Flow from IC-23</u> 1220.1	<u>Flow from IC-23</u> 1218.4
<u>Difference with ASR</u>	
Flow to IC-23	1.9
Flow from IC-23	1.7

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 24				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	168,818	168,818	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 18	114,134	115,490	-1,357	-11.37
Index Cell 19	4,809	4,889	-80	-0.67
Index Cell 25	486,089	486,293	-204	-1.71
Outside Basin Area	247,608	247,485	123	1.03
Net Underflow Between Index Cells				-12.72
Upgradient Cell - No Recharge Credits				
Metered recharge (no recharge facilities)				

<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-24</u></td> <td><u>Flow to IC-24</u></td> </tr> <tr> <td>2282.2</td> <td>2280.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">18</td> </tr> <tr> <td><u>Flow from IC-24</u></td> <td><u>Flow from IC-24</u></td> </tr> <tr> <td>956.4</td> <td>967.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-24</td> <td>1.3</td> </tr> <tr> <td>Flow from IC-24</td> <td>-11.4</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-24</u>	<u>Flow to IC-24</u>	2282.2	2280.9	Index Cell		18		<u>Flow from IC-24</u>	<u>Flow from IC-24</u>	956.4	967.7	<u>Difference with ASR</u>		Flow to IC-24	1.3	Flow from IC-24	-11.4	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-24</u></td> <td><u>Flow to IC-24</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">19</td> </tr> <tr> <td><u>Flow from IC-24</u></td> <td><u>Flow from IC-24</u></td> </tr> <tr> <td>40.3</td> <td>41.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-24</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-24</td> <td>-0.7</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-24</u>	<u>Flow to IC-24</u>	0.0	0.0	Index Cell		19		<u>Flow from IC-24</u>	<u>Flow from IC-24</u>	40.3	41.0	<u>Difference with ASR</u>		Flow to IC-24	0.0	Flow from IC-24	-0.7
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-24</u>	<u>Flow to IC-24</u>																																								
2282.2	2280.9																																								
Index Cell																																									
18																																									
<u>Flow from IC-24</u>	<u>Flow from IC-24</u>																																								
956.4	967.7																																								
<u>Difference with ASR</u>																																									
Flow to IC-24	1.3																																								
Flow from IC-24	-11.4																																								
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-24</u>	<u>Flow to IC-24</u>																																								
0.0	0.0																																								
Index Cell																																									
19																																									
<u>Flow from IC-24</u>	<u>Flow from IC-24</u>																																								
40.3	41.0																																								
<u>Difference with ASR</u>																																									
Flow to IC-24	0.0																																								
Flow from IC-24	-0.7																																								
<table> <tr> <td style="text-align: center;"><u>2012 Recharge Credit</u></td> </tr> <tr> <td style="text-align: center;">----</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">24</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> </table>	<u>2012 Recharge Credit</u>	----	Index Cell		24		<u>Change in Amount Withdrawn from Aquifer Storage</u>		0.0		<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-24</u></td> <td><u>Flow to IC-24</u></td> </tr> <tr> <td>12.0</td> <td>11.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">25</td> </tr> <tr> <td><u>Flow from IC-24</u></td> <td><u>Flow from IC-24</u></td> </tr> <tr> <td>4073.1</td> <td>4074.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-24</td> <td>0.2</td> </tr> <tr> <td>Flow from IC-24</td> <td>-1.7</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-24</u>	<u>Flow to IC-24</u>	12.0	11.8	Index Cell		25		<u>Flow from IC-24</u>	<u>Flow from IC-24</u>	4073.1	4074.8	<u>Difference with ASR</u>		Flow to IC-24	0.2	Flow from IC-24	-1.7										
<u>2012 Recharge Credit</u>																																									

Index Cell																																									
24																																									
<u>Change in Amount Withdrawn from Aquifer Storage</u>																																									
0.0																																									
<u>With ASR</u>	<u>Without ASR</u>																																								
<u>Flow to IC-24</u>	<u>Flow to IC-24</u>																																								
12.0	11.8																																								
Index Cell																																									
25																																									
<u>Flow from IC-24</u>	<u>Flow from IC-24</u>																																								
4073.1	4074.8																																								
<u>Difference with ASR</u>																																									
Flow to IC-24	0.2																																								
Flow from IC-24	-1.7																																								

Index Cell 39	
<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-24</u>	<u>Flow to IC-24</u>
5282.8	5297.9
<u>Flow from IC-24</u>	<u>Flow from IC-24</u>
2074.8	2073.7
<u>Difference with ASR</u>	
Flow to IC-24	-15.1
Flow from IC-24	1.0

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 25				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	206,528	206,528	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 19	74,580	75,910	-1,329	-11.14
Index Cell 24	1,431	1,410	20	0.17
Index Cell 26	485,836	485,684	152	1.27
Index Cell 30	24,433	24,397	36	0.30
Outside Basin Area	226,537	226,236	301	2.52
Net Underflow Between Index Cells				2.99
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-25</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-25</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 18</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-25</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-25</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-25</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-25</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0	Index Cell 18		<u>Flow from IC-25</u> 0.0	<u>Flow from IC-25</u> 0.0	<u>Difference with ASR</u>		Flow to IC-25	0.0	Flow from IC-25	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-25</u> 2016.3</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-25</u> 2012.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 19</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-25</u> 624.9</td> <td style="text-align: center;"><u>Flow from IC-25</u> 636.1</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-25</td> <td style="text-align: center;">4.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-25</td> <td style="text-align: center;">-11.1</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-25</u> 2016.3	<u>Without ASR</u> <u>Flow to IC-25</u> 2012.3	Index Cell 19		<u>Flow from IC-25</u> 624.9	<u>Flow from IC-25</u> 636.1	<u>Difference with ASR</u>		Flow to IC-25	4.0	Flow from IC-25	-11.1	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-25</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-25</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 20</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-25</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-25</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-25</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-25</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0	Index Cell 20		<u>Flow from IC-25</u> 0.0	<u>Flow from IC-25</u> 0.0	<u>Difference with ASR</u>		Flow to IC-25	0.0	Flow from IC-25	0.0
<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0																																					
Index Cell 18																																						
<u>Flow from IC-25</u> 0.0	<u>Flow from IC-25</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-25	0.0																																					
Flow from IC-25	0.0																																					
<u>With ASR</u> <u>Flow to IC-25</u> 2016.3	<u>Without ASR</u> <u>Flow to IC-25</u> 2012.3																																					
Index Cell 19																																						
<u>Flow from IC-25</u> 624.9	<u>Flow from IC-25</u> 636.1																																					
<u>Difference with ASR</u>																																						
Flow to IC-25	4.0																																					
Flow from IC-25	-11.1																																					
<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0																																					
Index Cell 20																																						
<u>Flow from IC-25</u> 0.0	<u>Flow from IC-25</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-25	0.0																																					
Flow from IC-25	0.0																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-25</u> 4073.1</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-25</u> 4074.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 24</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-25</u> 12.0</td> <td style="text-align: center;"><u>Flow from IC-25</u> 11.8</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-25</td> <td style="text-align: center;">-1.7</td> </tr> <tr> <td style="text-align: center;">Flow from IC-25</td> <td style="text-align: center;">0.2</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-25</u> 4073.1	<u>Without ASR</u> <u>Flow to IC-25</u> 4074.8	Index Cell 24		<u>Flow from IC-25</u> 12.0	<u>Flow from IC-25</u> 11.8	<u>Difference with ASR</u>		Flow to IC-25	-1.7	Flow from IC-25	0.2	<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> -0.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 25</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> -0.3		Index Cell 25		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-25</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-25</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 26</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-25</u> 4070.9</td> <td style="text-align: center;"><u>Flow from IC-25</u> 4069.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-25</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-25</td> <td style="text-align: center;">1.3</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0	Index Cell 26		<u>Flow from IC-25</u> 4070.9	<u>Flow from IC-25</u> 4069.7	<u>Difference with ASR</u>		Flow to IC-25	0.0	Flow from IC-25	1.3						
<u>With ASR</u> <u>Flow to IC-25</u> 4073.1	<u>Without ASR</u> <u>Flow to IC-25</u> 4074.8																																					
Index Cell 24																																						
<u>Flow from IC-25</u> 12.0	<u>Flow from IC-25</u> 11.8																																					
<u>Difference with ASR</u>																																						
Flow to IC-25	-1.7																																					
Flow from IC-25	0.2																																					
<u>2012 Recharge Credit</u> -0.3																																						
Index Cell 25																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0																																					
Index Cell 26																																						
<u>Flow from IC-25</u> 4070.9	<u>Flow from IC-25</u> 4069.7																																					
<u>Difference with ASR</u>																																						
Flow to IC-25	0.0																																					
Flow from IC-25	1.3																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-25</u> 1188.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-25</u> 1198.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 39</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-25</u> 1898.2</td> <td style="text-align: center;"><u>Flow from IC-25</u> 1895.7</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-25</td> <td style="text-align: center;">-10.2</td> </tr> <tr> <td style="text-align: center;">Flow from IC-25</td> <td style="text-align: center;">2.5</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-25</u> 1188.0	<u>Without ASR</u> <u>Flow to IC-25</u> 1198.2	Index Cell 39		<u>Flow from IC-25</u> 1898.2	<u>Flow from IC-25</u> 1895.7	<u>Difference with ASR</u>		Flow to IC-25	-10.2	Flow from IC-25	2.5	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-25</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-25</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 30</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-25</u> 204.7</td> <td style="text-align: center;"><u>Flow from IC-25</u> 204.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-25</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-25</td> <td style="text-align: center;">0.3</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0	Index Cell 30		<u>Flow from IC-25</u> 204.7	<u>Flow from IC-25</u> 204.4	<u>Difference with ASR</u>		Flow to IC-25	0.0	Flow from IC-25	0.3													
<u>With ASR</u> <u>Flow to IC-25</u> 1188.0	<u>Without ASR</u> <u>Flow to IC-25</u> 1198.2																																					
Index Cell 39																																						
<u>Flow from IC-25</u> 1898.2	<u>Flow from IC-25</u> 1895.7																																					
<u>Difference with ASR</u>																																						
Flow to IC-25	-10.2																																					
Flow from IC-25	2.5																																					
<u>With ASR</u> <u>Flow to IC-25</u> 0.0	<u>Without ASR</u> <u>Flow to IC-25</u> 0.0																																					
Index Cell 30																																						
<u>Flow from IC-25</u> 204.7	<u>Flow from IC-25</u> 204.4																																					
<u>Difference with ASR</u>																																						
Flow to IC-25	0.0																																					
Flow from IC-25	0.3																																					

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 26				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	212,605	212,605	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 19	0	0	0	0.00
Index Cell 20	141,712	142,516	-805	-6.74
Index Cell 25	0	0	0	0.00
Index Cell 27	351,552	351,062	489	4.10
Index Cell 30	296,596	296,156	440	3.69
Net Underflow Between Index Cells				7.79
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>		<u>AF</u>
MR51 (MK51)	2012	0		0.00
MR55 (MK73)	2012	0		0.00
	Total	<u>0</u>		<u>0.00</u>

<p><u>With ASR</u> <u>Flow to IC-26</u> 173.4</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 173.0</p> <p>Index Cell 19</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-26 0.4 Flow from IC-26 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-26</u> 1693.3</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 1689.0</p> <p>Index Cell 20</p> <p><u>Flow from IC-26</u> 1187.4</p> <p><u>Flow from IC-26</u> 1194.2</p> <p><u>Difference with ASR</u> Flow to IC-26 4.4 Flow from IC-26 -6.7</p>	<p><u>With ASR</u> <u>Flow to IC-26</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 0.0</p> <p>Index Cell 21</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-26 0.0 Flow from IC-26 0.0</p>
<p><u>With ASR</u> <u>Flow to IC-26</u> 4070.9</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 4069.7</p> <p>Index Cell 25</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-26 1.3 Flow from IC-26 0.0</p>	<p><u>2012 Recharge Credit</u> -1.7</p> <p>Index Cell 26</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-26</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 0.0</p> <p>Index Cell 27</p> <p><u>Flow from IC-26</u> 2945.7</p> <p><u>Flow from IC-26</u> 2941.6</p> <p><u>Difference with ASR</u> Flow to IC-26 0.0 Flow from IC-26 4.1</p>
<p><u>With ASR</u> <u>Flow to IC-26</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 0.0</p> <p>Index Cell 39</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-26 0.0 Flow from IC-26 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-26</u> 917.2</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 923.0</p> <p>Index Cell 30</p> <p><u>Flow from IC-26</u> 2485.3</p> <p><u>Flow from IC-26</u> 2481.6</p> <p><u>Difference with ASR</u> Flow to IC-26 -5.8 Flow from IC-26 3.7</p>	<p><u>With ASR</u> <u>Flow to IC-26</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-26</u> 0.0</p> <p>Index Cell 31</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Flow from IC-26</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-26 0.0 Flow from IC-26 0.0</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 27				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	63,029	63,029	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 21	204,482	204,593	-111	-0.93
Index Cell 26	0	0	0	0.00
Index Cell 28	346,249	345,771	478	4.01
Index Cell 30	0	0	0	0.00
Index Cell 31	226,320	225,990	331	2.77
Net Underflow Between Index Cells				5.85
Metered recharge (no recharge facilities)				

<table> <tr> <td><u>With ASR</u> Flow to IC-27 0.0</td> <td><u>Without ASR</u> Flow to IC-27 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 20</td> </tr> <tr> <td><u>Flow from IC-27</u> 0.0</td> <td><u>Flow from IC-27</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-27</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 0.0	<u>Without ASR</u> Flow to IC-27 0.0	Index Cell 20		<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0	<u>Difference with ASR</u>		Flow to IC-27	0.0	Flow from IC-27	0.0	<table> <tr> <td><u>With ASR</u> Flow to IC-27 1195.4</td> <td><u>Without ASR</u> Flow to IC-27 1191.7</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 21</td> </tr> <tr> <td><u>Flow from IC-27</u> 1713.4</td> <td><u>Flow from IC-27</u> 1714.3</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>3.7</td> </tr> <tr> <td>Flow from IC-27</td> <td>-0.9</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 1195.4	<u>Without ASR</u> Flow to IC-27 1191.7	Index Cell 21		<u>Flow from IC-27</u> 1713.4	<u>Flow from IC-27</u> 1714.3	<u>Difference with ASR</u>		Flow to IC-27	3.7	Flow from IC-27	-0.9	<table> <tr> <td><u>With ASR</u> Flow to IC-27 0.0</td> <td><u>Without ASR</u> Flow to IC-27 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 22</td> </tr> <tr> <td><u>Flow from IC-27</u> 0.0</td> <td><u>Flow from IC-27</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-27</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 0.0	<u>Without ASR</u> Flow to IC-27 0.0	Index Cell 22		<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0	<u>Difference with ASR</u>		Flow to IC-27	0.0	Flow from IC-27	0.0
<u>With ASR</u> Flow to IC-27 0.0	<u>Without ASR</u> Flow to IC-27 0.0																																					
Index Cell 20																																						
<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	0.0																																					
Flow from IC-27	0.0																																					
<u>With ASR</u> Flow to IC-27 1195.4	<u>Without ASR</u> Flow to IC-27 1191.7																																					
Index Cell 21																																						
<u>Flow from IC-27</u> 1713.4	<u>Flow from IC-27</u> 1714.3																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	3.7																																					
Flow from IC-27	-0.9																																					
<u>With ASR</u> Flow to IC-27 0.0	<u>Without ASR</u> Flow to IC-27 0.0																																					
Index Cell 22																																						
<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	0.0																																					
Flow from IC-27	0.0																																					
<table> <tr> <td><u>With ASR</u> Flow to IC-27 2945.7</td> <td><u>Without ASR</u> Flow to IC-27 2941.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 26</td> </tr> <tr> <td><u>Flow from IC-27</u> 0.0</td> <td><u>Flow from IC-27</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>4.1</td> </tr> <tr> <td>Flow from IC-27</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 2945.7	<u>Without ASR</u> Flow to IC-27 2941.6	Index Cell 26		<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0	<u>Difference with ASR</u>		Flow to IC-27	4.1	Flow from IC-27	0.0	<table> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> 1.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 27</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> 1.1		Index Cell 27		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table> <tr> <td><u>With ASR</u> Flow to IC-27 17.6</td> <td><u>Without ASR</u> Flow to IC-27 17.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 28</td> </tr> <tr> <td><u>Flow from IC-27</u> 2901.3</td> <td><u>Flow from IC-27</u> 2897.3</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-27</td> <td>4.0</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 17.6	<u>Without ASR</u> Flow to IC-27 17.6	Index Cell 28		<u>Flow from IC-27</u> 2901.3	<u>Flow from IC-27</u> 2897.3	<u>Difference with ASR</u>		Flow to IC-27	0.0	Flow from IC-27	4.0						
<u>With ASR</u> Flow to IC-27 2945.7	<u>Without ASR</u> Flow to IC-27 2941.6																																					
Index Cell 26																																						
<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	4.1																																					
Flow from IC-27	0.0																																					
<u>2012 Recharge Credit</u> 1.1																																						
Index Cell 27																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> Flow to IC-27 17.6	<u>Without ASR</u> Flow to IC-27 17.6																																					
Index Cell 28																																						
<u>Flow from IC-27</u> 2901.3	<u>Flow from IC-27</u> 2897.3																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	0.0																																					
Flow from IC-27	4.0																																					
<table> <tr> <td><u>With ASR</u> Flow to IC-27 28.3</td> <td><u>Without ASR</u> Flow to IC-27 28.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 30</td> </tr> <tr> <td><u>Flow from IC-27</u> 0.0</td> <td><u>Flow from IC-27</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>-0.2</td> </tr> <tr> <td>Flow from IC-27</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 28.3	<u>Without ASR</u> Flow to IC-27 28.5	Index Cell 30		<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0	<u>Difference with ASR</u>		Flow to IC-27	-0.2	Flow from IC-27	0.0	<table> <tr> <td><u>With ASR</u> Flow to IC-27 1115.0</td> <td><u>Without ASR</u> Flow to IC-27 1116.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 31</td> </tr> <tr> <td><u>Flow from IC-27</u> 1896.4</td> <td><u>Flow from IC-27</u> 1893.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>-1.7</td> </tr> <tr> <td>Flow from IC-27</td> <td>2.8</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 1115.0	<u>Without ASR</u> Flow to IC-27 1116.6	Index Cell 31		<u>Flow from IC-27</u> 1896.4	<u>Flow from IC-27</u> 1893.6	<u>Difference with ASR</u>		Flow to IC-27	-1.7	Flow from IC-27	2.8	<table> <tr> <td><u>With ASR</u> Flow to IC-27 0.0</td> <td><u>Without ASR</u> Flow to IC-27 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 32</td> </tr> <tr> <td><u>Flow from IC-27</u> 0.0</td> <td><u>Flow from IC-27</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-27</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-27</td> <td>0.0</td> </tr> </table>	<u>With ASR</u> Flow to IC-27 0.0	<u>Without ASR</u> Flow to IC-27 0.0	Index Cell 32		<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0	<u>Difference with ASR</u>		Flow to IC-27	0.0	Flow from IC-27	0.0
<u>With ASR</u> Flow to IC-27 28.3	<u>Without ASR</u> Flow to IC-27 28.5																																					
Index Cell 30																																						
<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	-0.2																																					
Flow from IC-27	0.0																																					
<u>With ASR</u> Flow to IC-27 1115.0	<u>Without ASR</u> Flow to IC-27 1116.6																																					
Index Cell 31																																						
<u>Flow from IC-27</u> 1896.4	<u>Flow from IC-27</u> 1893.6																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	-1.7																																					
Flow from IC-27	2.8																																					
<u>With ASR</u> Flow to IC-27 0.0	<u>Without ASR</u> Flow to IC-27 0.0																																					
Index Cell 32																																						
<u>Flow from IC-27</u> 0.0	<u>Flow from IC-27</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-27	0.0																																					
Flow from IC-27	0.0																																					

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 28				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	355,645	355,645	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 21	0	0	0	0.00
Index Cell 22	10,146	10,089	58	0.48
Index Cell 23	3,925	3,915	10	0.08
Index Cell 27	2,099	2,100	-1	0.00
Index Cell 29	281,958	281,539	419	3.51
Index Cell 31	0	0	0	0.00
Index Cell 32	216,146	215,909	237	1.99
Index Cell 33	15,623	15,600	23	0.19
Net Underflow Between Index Cells				6.25
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>	<u>AF</u>	
MR23 (MK67)	2012	0	0.00	
Total		0	0.00	

<p><u>With ASR</u> Flow to IC-28 440.5</p> <p><u>Without ASR</u> Flow to IC-28 439.8</p> <p>Index Cell 21</p> <p><u>Flow from IC-28</u> 0.0</p> <p><u>Flow from IC-28</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-28 0.7 Flow from IC-28 0.0</p>	<p><u>With ASR</u> Flow to IC-28 1448.7</p> <p><u>Without ASR</u> Flow to IC-28 1445.7</p> <p>Index Cell 22</p> <p><u>Flow from IC-28</u> 85.0</p> <p><u>Flow from IC-28</u> 84.5</p> <p><u>Difference with ASR</u> Flow to IC-28 3.1 Flow from IC-28 0.5</p>	<p><u>With ASR</u> Flow to IC-28 0.0</p> <p><u>Without ASR</u> Flow to IC-28 0.0</p> <p>Index Cell 23</p> <p><u>Flow from IC-28</u> 32.9</p> <p><u>Flow from IC-28</u> 32.8</p> <p><u>Difference with ASR</u> Flow to IC-28 0.0 Flow from IC-28 0.1</p>
<p><u>With ASR</u> Flow to IC-28 2901.3</p> <p><u>Without ASR</u> Flow to IC-28 2897.3</p> <p>Index Cell 27</p> <p><u>Flow from IC-28</u> 17.6</p> <p><u>Flow from IC-28</u> 17.6</p> <p><u>Difference with ASR</u> Flow to IC-28 4.0 Flow from IC-28 0.0</p>	<p><u>2012 Recharge Credit</u> 1.5</p> <p>Index Cell 28</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> Flow to IC-28 34.5</p> <p><u>Without ASR</u> Flow to IC-28 34.6</p> <p>Index Cell 29</p> <p><u>Flow from IC-28</u> 2362.6</p> <p><u>Flow from IC-28</u> 2359.1</p> <p><u>Difference with ASR</u> Flow to IC-28 -0.1 Flow from IC-28 3.5</p>
<p><u>With ASR</u> Flow to IC-28 56.8</p> <p><u>Without ASR</u> Flow to IC-28 56.9</p> <p>Index Cell 31</p> <p><u>Flow from IC-28</u> 0.0</p> <p><u>Flow from IC-28</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-28 -0.1 Flow from IC-28 0.0</p>	<p><u>With ASR</u> Flow to IC-28 796.2</p> <p><u>Without ASR</u> Flow to IC-28 797.0</p> <p>Index Cell 32</p> <p><u>Flow from IC-28</u> 1811.1</p> <p><u>Flow from IC-28</u> 1809.2</p> <p><u>Difference with ASR</u> Flow to IC-28 -0.8 Flow from IC-28 2.0</p>	<p><u>With ASR</u> Flow to IC-28 0.0</p> <p><u>Without ASR</u> Flow to IC-28 0.0</p> <p>Index Cell 33</p> <p><u>Flow from IC-28</u> 130.9</p> <p><u>Flow from IC-28</u> 130.7</p> <p><u>Difference with ASR</u> Flow to IC-28 0.0 Flow from IC-28 0.2</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 29				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	184,421	184,421	0	0.00
Stream	213,148	212,968	180	1.51
Recharge	0	0	0	0.00
ET	14	14	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 23	79,973	79,749	223	1.87
Index Cell 28	4,123	4,131	-7	-0.06
Index Cell 33	147,951	147,817	134	1.12
Index Cell 34	32,189	32,172	17	0.14
Outside Basin Area	0	0	0	0.00
Net Underflow Between Index Cells				3.07
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>	<u>AF</u>	
MR34 (MK34)	2012	0	0.00	
Total		0	0.00	

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-29</u> 0.0</td> <td style="text-align: center;"><u>Flow to IC-29</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 22</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-29</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-29</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-29</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-29</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-29</u> 0.0	<u>Flow to IC-29</u> 0.0	Index Cell 22		<u>Flow from IC-29</u> 0.0	<u>Flow from IC-29</u> 0.0	<u>Difference with ASR</u>		Flow to IC-29	0.0	Flow from IC-29	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-29</u> 1220.1</td> <td style="text-align: center;"><u>Flow to IC-29</u> 1218.4</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 23</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-29</u> 670.1</td> <td style="text-align: center;"><u>Flow from IC-29</u> 668.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-29</td> <td style="text-align: center;">1.7</td> </tr> <tr> <td style="text-align: center;">Flow from IC-29</td> <td style="text-align: center;">1.9</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-29</u> 1220.1	<u>Flow to IC-29</u> 1218.4	Index Cell 23		<u>Flow from IC-29</u> 670.1	<u>Flow from IC-29</u> 668.2	<u>Difference with ASR</u>		Flow to IC-29	1.7	Flow from IC-29	1.9	<h2 style="text-align: center;">Index Cell 39</h2> <table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-29</u> 504.9</td> <td style="text-align: center;"><u>Flow to IC-29</u> 504.9</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-29</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-29</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-29</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-29</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-29</u> 504.9	<u>Flow to IC-29</u> 504.9	<u>Flow from IC-29</u> 0.0	<u>Flow from IC-29</u> 0.0	<u>Difference with ASR</u>		Flow to IC-29	0.0	Flow from IC-29	0.0		
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-29</u> 0.0	<u>Flow to IC-29</u> 0.0																																											
Index Cell 22																																												
<u>Flow from IC-29</u> 0.0	<u>Flow from IC-29</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-29	0.0																																											
Flow from IC-29	0.0																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-29</u> 1220.1	<u>Flow to IC-29</u> 1218.4																																											
Index Cell 23																																												
<u>Flow from IC-29</u> 670.1	<u>Flow from IC-29</u> 668.2																																											
<u>Difference with ASR</u>																																												
Flow to IC-29	1.7																																											
Flow from IC-29	1.9																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-29</u> 504.9	<u>Flow to IC-29</u> 504.9																																											
<u>Flow from IC-29</u> 0.0	<u>Flow from IC-29</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-29	0.0																																											
Flow from IC-29	0.0																																											
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-29</u> 2362.6</td> <td style="text-align: center;"><u>Flow to IC-29</u> 2359.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 28</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-29</u> 34.5</td> <td style="text-align: center;"><u>Flow from IC-29</u> 34.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-29</td> <td style="text-align: center;">3.5</td> </tr> <tr> <td style="text-align: center;">Flow from IC-29</td> <td style="text-align: center;">-0.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-29</u> 2362.6	<u>Flow to IC-29</u> 2359.1	Index Cell 28		<u>Flow from IC-29</u> 34.5	<u>Flow from IC-29</u> 34.6	<u>Difference with ASR</u>		Flow to IC-29	3.5	Flow from IC-29	-0.1	<table border="0"> <tr> <td style="text-align: center;"><u>2012 Recharge Credit</u> 0.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 29</td> </tr> <tr> <td style="text-align: center;"><u>Loss to Little Ark River</u> 1.5</td> </tr> <tr> <td style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> 0.6	Index Cell 29		<u>Loss to Little Ark River</u> 1.5	<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																								
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-29</u> 2362.6	<u>Flow to IC-29</u> 2359.1																																											
Index Cell 28																																												
<u>Flow from IC-29</u> 34.5	<u>Flow from IC-29</u> 34.6																																											
<u>Difference with ASR</u>																																												
Flow to IC-29	3.5																																											
Flow from IC-29	-0.1																																											
<u>2012 Recharge Credit</u> 0.6																																												
Index Cell 29																																												
<u>Loss to Little Ark River</u> 1.5																																												
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																												
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-29</u> 0.0</td> <td style="text-align: center;"><u>Flow to IC-29</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 32</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-29</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-29</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-29</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-29</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-29</u> 0.0	<u>Flow to IC-29</u> 0.0	Index Cell 32		<u>Flow from IC-29</u> 0.0	<u>Flow from IC-29</u> 0.0	<u>Difference with ASR</u>		Flow to IC-29	0.0	Flow from IC-29	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-29</u> 166.1</td> <td style="text-align: center;"><u>Flow to IC-29</u> 166.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 33</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-29</u> 1239.7</td> <td style="text-align: center;"><u>Flow from IC-29</u> 1238.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-29</td> <td style="text-align: center;">-0.2</td> </tr> <tr> <td style="text-align: center;">Flow from IC-29</td> <td style="text-align: center;">1.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-29</u> 166.1	<u>Flow to IC-29</u> 166.2	Index Cell 33		<u>Flow from IC-29</u> 1239.7	<u>Flow from IC-29</u> 1238.6	<u>Difference with ASR</u>		Flow to IC-29	-0.2	Flow from IC-29	1.1	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-29</u> 35.6</td> <td style="text-align: center;"><u>Flow to IC-29</u> 35.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 34</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-16</u> 269.7</td> <td style="text-align: center;"><u>Flow from IC-16</u> 269.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-29</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-29</td> <td style="text-align: center;">0.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-29</u> 35.6	<u>Flow to IC-29</u> 35.6	Index Cell 34		<u>Flow from IC-16</u> 269.7	<u>Flow from IC-16</u> 269.6	<u>Difference with ASR</u>		Flow to IC-29	0.0	Flow from IC-29	0.1
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-29</u> 0.0	<u>Flow to IC-29</u> 0.0																																											
Index Cell 32																																												
<u>Flow from IC-29</u> 0.0	<u>Flow from IC-29</u> 0.0																																											
<u>Difference with ASR</u>																																												
Flow to IC-29	0.0																																											
Flow from IC-29	0.0																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-29</u> 166.1	<u>Flow to IC-29</u> 166.2																																											
Index Cell 33																																												
<u>Flow from IC-29</u> 1239.7	<u>Flow from IC-29</u> 1238.6																																											
<u>Difference with ASR</u>																																												
Flow to IC-29	-0.2																																											
Flow from IC-29	1.1																																											
<u>With ASR</u>	<u>Without ASR</u>																																											
<u>Flow to IC-29</u> 35.6	<u>Flow to IC-29</u> 35.6																																											
Index Cell 34																																												
<u>Flow from IC-16</u> 269.7	<u>Flow from IC-16</u> 269.6																																											
<u>Difference with ASR</u>																																												
Flow to IC-29	0.0																																											
Flow from IC-29	0.1																																											

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 30				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	356,494	356,494	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	43	42	1	0.01
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 25	0	0	0	0.00
Index Cell 26	109,465	110,158	-693	-5.81
Index Cell 27	3,378	3,401	-22	-0.19
Index Cell 31	450,748	450,548	200	1.67
Outside Basin Area	172,418	172,285	133	1.11
Net Underflow Between Index Cells				2.60
Metered recharge (no recharge facilities)				

<u>With ASR</u> <u>Flow to IC-30</u> 204.7	<u>Without ASR</u> <u>Flow to IC-30</u> 204.4	<u>With ASR</u> <u>Flow to IC-30</u> 2485.3	<u>Without ASR</u> <u>Flow to IC-30</u> 2481.6	<u>With ASR</u> <u>Flow to IC-30</u> 0.0	<u>Without ASR</u> <u>Flow to IC-30</u> 0.0
Index Cell 25		Index Cell 26		Index Cell 27	
<u>Flow from IC-30</u> 0.0	<u>Flow from IC-30</u> 0.0	<u>Flow from IC-30</u> 917.2	<u>Flow from IC-30</u> 923.0	<u>Flow from IC-30</u> 28.3	<u>Flow from IC-30</u> 28.5
<u>Difference with ASR</u> Flow to IC-30 0.3 Flow from IC-30 0.0		<u>Difference with ASR</u> Flow to IC-30 3.7 Flow from IC-30 -5.8		<u>Difference with ASR</u> Flow to IC-30 0.0 Flow from IC-30 -0.2	

Units are Acre-feet per year

<u>2012 Recharge Credit</u> 1.2		<u>With ASR</u> <u>Flow to IC-30</u> 478.0	<u>Without ASR</u> <u>Flow to IC-30</u> 478.0
Index Cell 30		Index Cell 31	
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<u>Flow from IC-30</u> 3776.9	<u>Flow from IC-30</u> 3775.3
<u>Difference with ASR</u> Flow to IC-30 0.0 Flow from IC-30 1.7		<u>Difference with ASR</u> Flow to IC-30 0.0 Flow from IC-30 1.7	

<u>With ASR</u> <u>Flow to IC-30</u> 5055.2	<u>Without ASR</u> <u>Flow to IC-30</u> 5062.6
Index Cell 39	
<u>Flow from IC-30</u> 1444.7	<u>Flow from IC-30</u> 1443.6
<u>Difference with ASR</u> Flow to IC-30 -7.4 Flow from IC-30 1.1	

<u>With ASR</u> <u>Flow to IC-30</u> 0.0	<u>Without ASR</u> <u>Flow to IC-30</u> 0.0
Index Cell 35	
<u>Flow from IC-30</u> 0.0	<u>Flow from IC-30</u> 0.0
<u>Difference with ASR</u> Flow to IC-30 0.0 Flow from IC-30 0.0	

**City of Wichita
2012 ASR Accounting**

Index Cell 31				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	214,166	214,166	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 27	133,062	133,263	-201	-1.68
Index Cell 28	6,781	6,790	-9	-0.08
Index Cell 30	57,045	57,044	1	0.01
Index Cell 32	447,837	447,609	228	1.91
Index Cell 35	193,787	193,676	111	0.93
Index Cell 36	16,738	16,728	10	0.09
Outside Basin Area	0	0	0	0.00
Net Underflow Between Index Cells				2.86
Metered recharge (no recharge facilities)				

<p><u>With ASR</u> Flow to IC-31 0.0</p> <p><u>Without ASR</u> Flow to IC-31 0.0</p> <p>Index Cell 26</p> <p><u>Flow from IC-31</u> 0.0</p> <p><u>Flow from IC-31</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-31 0.0 Flow from IC-31 0.0</p>	<p><u>With ASR</u> Flow to IC-31 1896.4</p> <p><u>Without ASR</u> Flow to IC-31 1893.6</p> <p>Index Cell 27</p> <p><u>Flow from IC-31</u> 1115.0</p> <p><u>Flow from IC-31</u> 1116.6</p> <p><u>Difference with ASR</u> Flow to IC-31 2.8 Flow from IC-31 -1.7</p>	<p><u>With ASR</u> Flow to IC-31 0.0</p> <p><u>Without ASR</u> Flow to IC-31 0.0</p> <p>Index Cell 28</p> <p><u>Flow from IC-31</u> 56.8</p> <p><u>Flow from IC-31</u> 56.9</p> <p><u>Difference with ASR</u> Flow to IC-31 0.0 Flow from IC-31 -0.1</p>
<p><u>With ASR</u> Flow to IC-31 3776.9</p> <p><u>Without ASR</u> Flow to IC-31 3775.3</p> <p>Index Cell 30</p> <p><u>Flow from IC-31</u> 478.0</p> <p><u>Flow from IC-31</u> 478.0</p> <p><u>Difference with ASR</u> Flow to IC-31 1.7 Flow from IC-31 0.0</p>	<p><u>2012 Recharge Credit</u> 1.5</p> <p>Index Cell 31</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> Flow to IC-31 0.0</p> <p><u>Without ASR</u> Flow to IC-31 0.0</p> <p>Index Cell 32</p> <p><u>Flow from IC-31</u> 3752.5</p> <p><u>Flow from IC-31</u> 3750.6</p> <p><u>Difference with ASR</u> Flow to IC-31 0.0 Flow from IC-31 1.9</p>
<p><u>With ASR</u> Flow to IC-31 563.2</p> <p><u>Without ASR</u> Flow to IC-31 563.5</p> <p>Index Cell 39</p> <p><u>Flow from IC-31</u> 0.0</p> <p><u>Flow from IC-31</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-31 -0.3 Flow from IC-31 0.0</p>	<p><u>With ASR</u> Flow to IC-31 1360.2</p> <p><u>Without ASR</u> Flow to IC-31 1363.0</p> <p>Index Cell 35</p> <p><u>Flow from IC-31</u> 1623.8</p> <p><u>Flow from IC-31</u> 1622.9</p> <p><u>Difference with ASR</u> Flow to IC-31 -2.7 Flow from IC-31 0.9</p>	<p><u>With ASR</u> Flow to IC-31 0.0</p> <p><u>Without ASR</u> Flow to IC-31 0.0</p> <p>Index Cell 36</p> <p><u>Flow from IC-31</u> 140.3</p> <p><u>Flow from IC-31</u> 140.2</p> <p><u>Difference with ASR</u> Flow to IC-31 0.0 Flow from IC-31 0.1</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 32				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	387,663	387,663	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	135	134	1	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 28	95,017	95,110	-93	-0.78
Index Cell 31	0	0	0	0.00
Index Cell 33	344,996	344,752	244	2.05
Index Cell 36	131,652	131,554	98	0.82
Net Underflow Between Index Cells				2.09
Metered recharge (no recharge facilities)				

<p><u>With ASR</u> <u>Flow to IC-32</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</p> <p>Index Cell 27</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-32 0.0 Flow from IC-32 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-32</u> 1811.1</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 1809.2</p> <p>Index Cell 28</p> <p><u>Flow from IC-32</u> 796.2</p> <p><u>Flow from IC-32</u> 797.0</p> <p><u>Difference with ASR</u> Flow to IC-32 2.0 Flow from IC-32 -0.8</p>	<p><u>With ASR</u> <u>Flow to IC-32</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</p> <p>Index Cell 29</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-32 0.0 Flow from IC-32 0.0</p>
<p><u>With ASR</u> <u>Flow to IC-32</u> 3752.5</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 3750.6</p> <p>Index Cell 31</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-32 1.9 Flow from IC-32 0.0</p>	<p><u>2012 Recharge Credit</u> 1.0</p> <p>Index Cell 32</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-32</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</p> <p>Index Cell 33</p> <p><u>Flow from IC-32</u> 2890.8</p> <p><u>Flow from IC-32</u> 2888.8</p> <p><u>Difference with ASR</u> Flow to IC-32 0.0 Flow from IC-32 2.0</p>
<p><u>With ASR</u> <u>Flow to IC-32</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</p> <p>Index Cell 35</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-32 0.0 Flow from IC-32 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-32</u> 723.2</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 724.4</p> <p>Index Cell 36</p> <p><u>Flow from IC-32</u> 1103.1</p> <p><u>Flow from IC-32</u> 1102.3</p> <p><u>Difference with ASR</u> Flow to IC-32 -1.2 Flow from IC-32 0.8</p>	<p><u>With ASR</u> <u>Flow to IC-32</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</p> <p>Index Cell 37</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Flow from IC-32</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-32 0.0 Flow from IC-32 0.0</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 33				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	374,364	374,228	136	1.14
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	452	451	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 28	0	0	0	0.00
Index Cell 29	19,818	19,840	-22	-0.18
Index Cell 32	0	0	0	0.00
Index Cell 34	235,779	235,613	166	1.39
Index Cell 36	0	0	0	0.00
Index Cell 37	119,282	119,222	60	0.50
Net Underflow Between Index Cells				1.71
<u>Metered recharge</u>	<u>Year</u>	<u>Gallons</u>	<u>AF</u>	
M36 (MK36)	2012	0	0.00	
RB-36	2012	370,000	1.14	
	Total	370,000	1.14	

<p><u>With ASR</u> <u>Flow to IC-33</u> 130.9</p> <p><u>Without ASR</u> <u>Flow to IC-33</u> 130.7</p> <p>Index Cell 28</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-33 0.2 Flow from IC-33 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-33</u> 1239.7</p> <p><u>Without ASR</u> <u>Flow to IC-33</u> 1238.6</p> <p>Index Cell 29</p> <p><u>Flow from IC-33</u> 166.1</p> <p><u>Flow from IC-33</u> 166.2</p> <p><u>Difference with ASR</u> Flow to IC-33 1.1 Flow from IC-33 -0.2</p>	
<p><u>With ASR</u> <u>Flow to IC-33</u> 2890.8</p> <p><u>Without ASR</u> <u>Flow to IC-33</u> 2888.8</p> <p>Index Cell 32</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-33 2.0 Flow from IC-33 0.0</p>	<p><u>2012 Recharge Credit</u> 2.6</p> <p>Index Cell 33</p> <p><u>Metered Recharge 2012</u> 1.1</p> <p><u>Loss to Little Ark River</u> 0.0</p> <p><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-33</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-33</u> 0.0</p> <p>Index Cell 34</p> <p><u>Flow from IC-33</u> 1975.6</p> <p><u>Flow from IC-33</u> 1974.3</p> <p><u>Difference with ASR</u> Flow to IC-33 0.0 Flow from IC-33 1.4</p>
<p><u>With ASR</u> <u>Flow to IC-33</u> 41.4</p> <p><u>Without ASR</u> <u>Flow to IC-33</u> 41.5</p> <p>Index Cell 36</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-33 0.0 Flow from IC-33 0.0</p>	<p><u>With ASR</u> <u>Flow to IC-33</u> 397.4</p> <p><u>Without ASR</u> <u>Flow to IC-33</u> 397.5</p> <p>Index Cell 37</p> <p><u>Flow from IC-33</u> 999.5</p> <p><u>Flow from IC-33</u> 999.0</p> <p><u>Difference with ASR</u> Flow to IC-33 -0.1 Flow from IC-33 0.5</p>	<p><u>With ASR</u> <u>Flow to IC-33</u> 0.0</p> <p><u>Without ASR</u> <u>Flow to IC-33</u> 0.0</p> <p>Index Cell 38</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Flow from IC-33</u> 0.0</p> <p><u>Difference with ASR</u> Flow to IC-33 0.0 Flow from IC-33 0.0</p>

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 34				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	42,441	42,441	0	0.00
Stream	313,818	313,665	153	1.28
Recharge	0	0	0	0.00
ET	17	17	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 29	4,253	4,248	6	0.05
Index Cell 33	0	0	0	0.00
Index Cell 37	0	0	0	0.00
Index Cell 38	59,778	59,762	16	0.13
Outside Basin Area	33,062	33,062	0	0.00
Net Underflow Between Index Cells				0.18
Metered recharge (no recharge facilities)				

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-34</u> 269.7	<u>Flow to IC-34</u> 269.6
Index Cell 29	
<u>Flow from IC-34</u> 35.6	<u>Flow from IC-34</u> 35.6
<u>Difference with ASR</u>	
Flow to IC-34	0.1
Flow from IC-34	0.0

Index Cell 39

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-34</u> 398.7	<u>Flow to IC-34</u> 398.7
<u>Flow from IC-34</u> 277.0	<u>Flow from IC-34</u> 277.0
<u>Difference with ASR</u>	
Flow to IC-34	0.0
Flow from IC-34	0.0

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-34</u> 1975.6	<u>Flow to IC-34</u> 1974.3
Index Cell 33	
<u>Flow from IC-34</u> 0.0	<u>Flow from IC-34</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-34	1.4
Flow from IC-34	0.0

<u>2012 Recharge Credit</u> 0.2	
Index Cell 34	
<u>Loss to Little Ark River</u> 1.3	
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0	

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-34</u> 22.9	<u>Flow to IC-34</u> 22.9
Index Cell 37	
<u>Flow from IC-34</u> 0.0	<u>Flow from IC-34</u> 0.0
<u>Difference with ASR</u>	
Flow to IC-34	0.0
Flow from IC-34	0.0

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-34</u> 565.6	<u>Flow to IC-34</u> 565.5
Index Cell 38	
<u>Flow from IC-34</u> 500.9	<u>Flow from IC-34</u> 500.8
<u>Difference with ASR</u>	
Flow to IC-34	0.1
Flow from IC-34	0.1

Units are Acre-feet per year

**City of Wichita
2012 ASR Accounting**

Index Cell 35				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	36,271	36,271	0	0.00
Stream	18,419	18,406	13	0.11
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 31	162,336	162,662	-327	-2.74
Index Cell 36	251,161	251,154	7	0.06
Outside Basin Area	152,446	152,423	23	0.19
Net Underflow Between Index Cells				-2.48
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-35</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-35</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 30</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-35</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-35</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-35</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-35</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-35</u> 0.0	<u>Without ASR</u> <u>Flow to IC-35</u> 0.0	Index Cell 30		<u>Flow from IC-35</u> 0.0	<u>Flow from IC-35</u> 0.0	<u>Difference with ASR</u>		Flow to IC-35	0.0	Flow from IC-35	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-35</u> 1623.8</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-35</u> 1622.9</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 31</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-35</u> 1360.2</td> <td style="text-align: center;"><u>Flow from IC-35</u> 1363.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-35</td> <td style="text-align: center;">0.9</td> </tr> <tr> <td style="text-align: center;">Flow from IC-35</td> <td style="text-align: center;">-2.7</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-35</u> 1623.8	<u>Without ASR</u> <u>Flow to IC-35</u> 1622.9	Index Cell 31		<u>Flow from IC-35</u> 1360.2	<u>Flow from IC-35</u> 1363.0	<u>Difference with ASR</u>		Flow to IC-35	0.9	Flow from IC-35	-2.7	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-35</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-35</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 32</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-35</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-35</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-35</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-35</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-35</u> 0.0	<u>Without ASR</u> <u>Flow to IC-35</u> 0.0	Index Cell 32		<u>Flow from IC-35</u> 0.0	<u>Flow from IC-35</u> 0.0	<u>Difference with ASR</u>		Flow to IC-35	0.0	Flow from IC-35	0.0
<u>With ASR</u> <u>Flow to IC-35</u> 0.0	<u>Without ASR</u> <u>Flow to IC-35</u> 0.0																																					
Index Cell 30																																						
<u>Flow from IC-35</u> 0.0	<u>Flow from IC-35</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-35	0.0																																					
Flow from IC-35	0.0																																					
<u>With ASR</u> <u>Flow to IC-35</u> 1623.8	<u>Without ASR</u> <u>Flow to IC-35</u> 1622.9																																					
Index Cell 31																																						
<u>Flow from IC-35</u> 1360.2	<u>Flow from IC-35</u> 1363.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-35	0.9																																					
Flow from IC-35	-2.7																																					
<u>With ASR</u> <u>Flow to IC-35</u> 0.0	<u>Without ASR</u> <u>Flow to IC-35</u> 0.0																																					
Index Cell 32																																						
<u>Flow from IC-35</u> 0.0	<u>Flow from IC-35</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-35	0.0																																					
Flow from IC-35	0.0																																					
<p>Units are Acre-feet per year</p>	<table border="0"> <tr> <td style="text-align: center;"><u>2012 Recharge Credit</u> 0.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 35</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Infiltration from Arkansas River</u> 0.1</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> 0.6	Index Cell 35		<u>Change in Infiltration from Arkansas River</u> 0.1		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-35</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-35</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 36</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-35</u> 2104.5</td> <td style="text-align: center;"><u>Flow from IC-35</u> 2104.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-35</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-35</td> <td style="text-align: center;">0.1</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-35</u> 0.0	<u>Without ASR</u> <u>Flow to IC-35</u> 0.0	Index Cell 36		<u>Flow from IC-35</u> 2104.5	<u>Flow from IC-35</u> 2104.5	<u>Difference with ASR</u>		Flow to IC-35	0.0	Flow from IC-35	0.1																	
<u>2012 Recharge Credit</u> 0.6																																						
Index Cell 35																																						
<u>Change in Infiltration from Arkansas River</u> 0.1																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-35</u> 0.0	<u>Without ASR</u> <u>Flow to IC-35</u> 0.0																																					
Index Cell 36																																						
<u>Flow from IC-35</u> 2104.5	<u>Flow from IC-35</u> 2104.5																																					
<u>Difference with ASR</u>																																						
Flow to IC-35	0.0																																					
Flow from IC-35	0.1																																					

<u>With ASR</u> <u>Flow to IC-35</u> 2160.4	<u>Without ASR</u> <u>Flow to IC-35</u> 2162.3
Index Cell 39	
<u>Flow from IC-35</u> 1277.4	<u>Flow from IC-35</u> 1277.2
<u>Difference with ASR</u>	
Flow to IC-35	-1.8
Flow from IC-35	0.2

**City of Wichita
2012 ASR Accounting**

Index Cell 36				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	142,111	142,111	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 31	0	0	0	0.00
Index Cell 32	86,310	86,452	-142	-1.19
Index Cell 33	4,945	4,949	-4	-0.03
Index Cell 35	0	0	0	0.00
Index Cell 37	154,853	154,805	48	0.40
Outside Basin Area	206,144	206,089	55	0.46
Net Underflow Between Index Cells				-0.36
Metered recharge (no recharge facilities)				

<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-36</u></td> <td><u>Flow to IC-36</u></td> </tr> <tr> <td>140.3</td> <td>140.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">31</td> </tr> <tr> <td><u>Flow from IC-36</u></td> <td><u>Flow from IC-36</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-36</td> <td>0.1</td> </tr> <tr> <td>Flow from IC-36</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-36</u>	<u>Flow to IC-36</u>	140.3	140.2	Index Cell		31		<u>Flow from IC-36</u>	<u>Flow from IC-36</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-36	0.1	Flow from IC-36	0.0	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-36</u></td> <td><u>Flow to IC-36</u></td> </tr> <tr> <td>1103.1</td> <td>1102.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">32</td> </tr> <tr> <td><u>Flow from IC-36</u></td> <td><u>Flow from IC-36</u></td> </tr> <tr> <td>723.2</td> <td>724.4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-36</td> <td>0.8</td> </tr> <tr> <td>Flow from IC-36</td> <td>-1.2</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-36</u>	<u>Flow to IC-36</u>	1103.1	1102.3	Index Cell		32		<u>Flow from IC-36</u>	<u>Flow from IC-36</u>	723.2	724.4	<u>Difference with ASR</u>		Flow to IC-36	0.8	Flow from IC-36	-1.2	<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-36</u></td> <td><u>Flow to IC-36</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">33</td> </tr> <tr> <td><u>Flow from IC-36</u></td> <td><u>Flow from IC-36</u></td> </tr> <tr> <td>41.4</td> <td>41.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-36</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-36</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-36</u>	<u>Flow to IC-36</u>	0.0	0.0	Index Cell		33		<u>Flow from IC-36</u>	<u>Flow from IC-36</u>	41.4	41.5	<u>Difference with ASR</u>		Flow to IC-36	0.0	Flow from IC-36	0.0
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-36</u>	<u>Flow to IC-36</u>																																																													
140.3	140.2																																																													
Index Cell																																																														
31																																																														
<u>Flow from IC-36</u>	<u>Flow from IC-36</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-36	0.1																																																													
Flow from IC-36	0.0																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-36</u>	<u>Flow to IC-36</u>																																																													
1103.1	1102.3																																																													
Index Cell																																																														
32																																																														
<u>Flow from IC-36</u>	<u>Flow from IC-36</u>																																																													
723.2	724.4																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-36	0.8																																																													
Flow from IC-36	-1.2																																																													
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-36</u>	<u>Flow to IC-36</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
33																																																														
<u>Flow from IC-36</u>	<u>Flow from IC-36</u>																																																													
41.4	41.5																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-36	0.0																																																													
Flow from IC-36	0.0																																																													
<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-36</u></td> <td><u>Flow to IC-36</u></td> </tr> <tr> <td>2104.5</td> <td>2104.5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">35</td> </tr> <tr> <td><u>Flow from IC-36</u></td> <td><u>Flow from IC-36</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-36</td> <td>0.1</td> </tr> <tr> <td>Flow from IC-36</td> <td>0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-36</u>	<u>Flow to IC-36</u>	2104.5	2104.5	Index Cell		35		<u>Flow from IC-36</u>	<u>Flow from IC-36</u>	0.0	0.0	<u>Difference with ASR</u>		Flow to IC-36	0.1	Flow from IC-36	0.0	<table> <tr> <td><u>2012 Recharge Credit</u></td> </tr> <tr> <td>0.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">36</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">0.0</td> </tr> </table>	<u>2012 Recharge Credit</u>	0.1	Index Cell		36		<u>Change in Amount Withdrawn from Aquifer Storage</u>		0.0		<table> <tr> <td><u>With ASR</u></td> <td><u>Without ASR</u></td> </tr> <tr> <td><u>Flow to IC-36</u></td> <td><u>Flow to IC-36</u></td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell</td> </tr> <tr> <td colspan="2" style="text-align: center;">37</td> </tr> <tr> <td><u>Flow from IC-36</u></td> <td><u>Flow from IC-36</u></td> </tr> <tr> <td>1297.6</td> <td>1297.2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td>Flow to IC-36</td> <td>0.0</td> </tr> <tr> <td>Flow from IC-36</td> <td>0.4</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-36</u>	<u>Flow to IC-36</u>	0.0	0.0	Index Cell		37		<u>Flow from IC-36</u>	<u>Flow from IC-36</u>	1297.6	1297.2	<u>Difference with ASR</u>		Flow to IC-36	0.0	Flow from IC-36	0.4										
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-36</u>	<u>Flow to IC-36</u>																																																													
2104.5	2104.5																																																													
Index Cell																																																														
35																																																														
<u>Flow from IC-36</u>	<u>Flow from IC-36</u>																																																													
0.0	0.0																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-36	0.1																																																													
Flow from IC-36	0.0																																																													
<u>2012 Recharge Credit</u>																																																														
0.1																																																														
Index Cell																																																														
36																																																														
<u>Change in Amount Withdrawn from Aquifer Storage</u>																																																														
0.0																																																														
<u>With ASR</u>	<u>Without ASR</u>																																																													
<u>Flow to IC-36</u>	<u>Flow to IC-36</u>																																																													
0.0	0.0																																																													
Index Cell																																																														
37																																																														
<u>Flow from IC-36</u>	<u>Flow from IC-36</u>																																																													
1297.6	1297.2																																																													
<u>Difference with ASR</u>																																																														
Flow to IC-36	0.0																																																													
Flow from IC-36	0.4																																																													

Units are Acre-feet per year

<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-36</u>	<u>Flow to IC-36</u>
892.6	893.7
Index Cell	
39	
<u>Flow from IC-36</u>	<u>Flow from IC-36</u>
1727.3	1726.9
<u>Difference with ASR</u>	
Flow to IC-36	-1.1
Flow from IC-36	0.5

**City of Wichita
2012 ASR Accounting**

Index Cell 37				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	152,873	152,873	0	0.00
Stream	0	0	0	0.00
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 33	47,428	47,442	-14	-0.12
Index Cell 34	2,732	2,732	0	0.00
Index Cell 36	0	0	0	0.00
Index Cell 38	100,589	100,558	32	0.26
Outside Basin Area	127,835	127,802	33	0.27
Net Underflow Between Index Cells				0.42
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-32</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 32</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-32</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-32</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-32</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-32</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-32</u> 0.0	<u>Without ASR</u> <u>Flow to IC-32</u> 0.0	Index Cell 32		<u>Flow from IC-32</u> 0.0	<u>Flow from IC-32</u> 0.0	<u>Difference with ASR</u>		Flow to IC-32	0.0	Flow from IC-32	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-32</u> 999.5</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-32</u> 999.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 33</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-32</u> 397.4</td> <td style="text-align: center;"><u>Flow from IC-32</u> 397.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-32</td> <td style="text-align: center;">0.5</td> </tr> <tr> <td style="text-align: center;">Flow from IC-32</td> <td style="text-align: center;">-0.1</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-32</u> 999.5	<u>Without ASR</u> <u>Flow to IC-32</u> 999.0	Index Cell 33		<u>Flow from IC-32</u> 397.4	<u>Flow from IC-32</u> 397.5	<u>Difference with ASR</u>		Flow to IC-32	0.5	Flow from IC-32	-0.1	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-32</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 38</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-32</u> 22.9</td> <td style="text-align: center;"><u>Flow from IC-32</u> 22.9</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-32</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-32</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-32</u> 0.0	<u>Without ASR</u> <u>Flow to IC-32</u> 0.0	Index Cell 38		<u>Flow from IC-32</u> 22.9	<u>Flow from IC-32</u> 22.9	<u>Difference with ASR</u>		Flow to IC-32	0.0	Flow from IC-32	0.0
<u>With ASR</u> <u>Flow to IC-32</u> 0.0	<u>Without ASR</u> <u>Flow to IC-32</u> 0.0																																					
Index Cell 32																																						
<u>Flow from IC-32</u> 0.0	<u>Flow from IC-32</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-32	0.0																																					
Flow from IC-32	0.0																																					
<u>With ASR</u> <u>Flow to IC-32</u> 999.5	<u>Without ASR</u> <u>Flow to IC-32</u> 999.0																																					
Index Cell 33																																						
<u>Flow from IC-32</u> 397.4	<u>Flow from IC-32</u> 397.5																																					
<u>Difference with ASR</u>																																						
Flow to IC-32	0.5																																					
Flow from IC-32	-0.1																																					
<u>With ASR</u> <u>Flow to IC-32</u> 0.0	<u>Without ASR</u> <u>Flow to IC-32</u> 0.0																																					
Index Cell 38																																						
<u>Flow from IC-32</u> 22.9	<u>Flow from IC-32</u> 22.9																																					
<u>Difference with ASR</u>																																						
Flow to IC-32	0.0																																					
Flow from IC-32	0.0																																					
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-32</u> 1297.6</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-32</u> 1297.2</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 36</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-32</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-32</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-32</td> <td style="text-align: center;">0.4</td> </tr> <tr> <td style="text-align: center;">Flow from IC-32</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-32</u> 1297.6	<u>Without ASR</u> <u>Flow to IC-32</u> 1297.2	Index Cell 36		<u>Flow from IC-32</u> 0.0	<u>Flow from IC-32</u> 0.0	<u>Difference with ASR</u>		Flow to IC-32	0.4	Flow from IC-32	0.0	<table border="0"> <tr> <td colspan="2" style="text-align: center;"><u>2012 Recharge Credit</u> 0.4</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 37</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> 0.4		Index Cell 37		<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0		<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u> <u>Flow to IC-32</u> 0.0</td> <td style="text-align: center;"><u>Without ASR</u> <u>Flow to IC-32</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 38</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-32</u> 842.9</td> <td style="text-align: center;"><u>Flow from IC-32</u> 842.6</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-32</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-32</td> <td style="text-align: center;">0.3</td> </tr> </table>	<u>With ASR</u> <u>Flow to IC-32</u> 0.0	<u>Without ASR</u> <u>Flow to IC-32</u> 0.0	Index Cell 38		<u>Flow from IC-32</u> 842.9	<u>Flow from IC-32</u> 842.6	<u>Difference with ASR</u>		Flow to IC-32	0.0	Flow from IC-32	0.3						
<u>With ASR</u> <u>Flow to IC-32</u> 1297.6	<u>Without ASR</u> <u>Flow to IC-32</u> 1297.2																																					
Index Cell 36																																						
<u>Flow from IC-32</u> 0.0	<u>Flow from IC-32</u> 0.0																																					
<u>Difference with ASR</u>																																						
Flow to IC-32	0.4																																					
Flow from IC-32	0.0																																					
<u>2012 Recharge Credit</u> 0.4																																						
Index Cell 37																																						
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																																						
<u>With ASR</u> <u>Flow to IC-32</u> 0.0	<u>Without ASR</u> <u>Flow to IC-32</u> 0.0																																					
Index Cell 38																																						
<u>Flow from IC-32</u> 842.9	<u>Flow from IC-32</u> 842.6																																					
<u>Difference with ASR</u>																																						
Flow to IC-32	0.0																																					
Flow from IC-32	0.3																																					

Units are Acre-feet per year

<u>With ASR</u> <u>Flow to IC-32</u> 485.6	<u>Without ASR</u> <u>Flow to IC-32</u> 485.9
Index Cell 39	
<u>Flow from IC-32</u> 1071.2	<u>Flow from IC-32</u> 1070.9
<u>Difference with ASR</u>	
Flow to IC-32	-0.3
Flow from IC-32	0.3

**City of Wichita
2012 ASR Accounting**

Index Cell 38				
	Outflow rate with ASR (ft ³ /day)	Outflow rate without ASR (ft ³ /day)	Outflow rate change due to ASR (ft ³ /day)	Outflow change due to ASR (AF/year)
Flows Within Index Cell				
Well	10,614	10,614	0	0.00
Stream	133,071	133,061	10	0.08
Recharge	0	0	0	0.00
ET	0	0	0	0.00
Storage	0	0	0	0.00
Flows Between Index Cells				
Index Cell Number				
Index Cell 34	67,500	67,485	15	0.13
Index Cell 37	0	0	0	0.00
Outside Basin Area	113,957	113,943	14	0.11
Net Underflow Between Index Cells				0.24
Metered recharge (no recharge facilities)				

<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-38</u> 0.0</td> <td style="text-align: center;"><u>Flow to IC-38</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 33</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-38</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-38</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-38</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td style="text-align: center;">Flow from IC-38</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-38</u> 0.0	<u>Flow to IC-38</u> 0.0	Index Cell 33		<u>Flow from IC-38</u> 0.0	<u>Flow from IC-38</u> 0.0	<u>Difference with ASR</u>		Flow to IC-38	0.0	Flow from IC-38	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-38</u> 500.9</td> <td style="text-align: center;"><u>Flow to IC-38</u> 500.8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 34</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-38</u> 565.6</td> <td style="text-align: center;"><u>Flow from IC-38</u> 565.5</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-38</td> <td style="text-align: center;">0.1</td> </tr> <tr> <td style="text-align: center;">Flow from IC-38</td> <td style="text-align: center;">0.1</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-38</u> 500.9	<u>Flow to IC-38</u> 500.8	Index Cell 34		<u>Flow from IC-38</u> 565.6	<u>Flow from IC-38</u> 565.5	<u>Difference with ASR</u>		Flow to IC-38	0.1	Flow from IC-38	0.1
<u>With ASR</u>	<u>Without ASR</u>																												
<u>Flow to IC-38</u> 0.0	<u>Flow to IC-38</u> 0.0																												
Index Cell 33																													
<u>Flow from IC-38</u> 0.0	<u>Flow from IC-38</u> 0.0																												
<u>Difference with ASR</u>																													
Flow to IC-38	0.0																												
Flow from IC-38	0.0																												
<u>With ASR</u>	<u>Without ASR</u>																												
<u>Flow to IC-38</u> 500.9	<u>Flow to IC-38</u> 500.8																												
Index Cell 34																													
<u>Flow from IC-38</u> 565.6	<u>Flow from IC-38</u> 565.5																												
<u>Difference with ASR</u>																													
Flow to IC-38	0.1																												
Flow from IC-38	0.1																												
<table border="0"> <tr> <td style="text-align: center;"><u>With ASR</u></td> <td style="text-align: center;"><u>Without ASR</u></td> </tr> <tr> <td style="text-align: center;"><u>Flow to IC-38</u> 842.9</td> <td style="text-align: center;"><u>Flow to IC-38</u> 842.6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 37</td> </tr> <tr> <td style="text-align: center;"><u>Flow from IC-38</u> 0.0</td> <td style="text-align: center;"><u>Flow from IC-38</u> 0.0</td> </tr> <tr> <td colspan="2" style="text-align: center;"><u>Difference with ASR</u></td> </tr> <tr> <td style="text-align: center;">Flow to IC-38</td> <td style="text-align: center;">0.3</td> </tr> <tr> <td style="text-align: center;">Flow from IC-38</td> <td style="text-align: center;">0.0</td> </tr> </table>	<u>With ASR</u>	<u>Without ASR</u>	<u>Flow to IC-38</u> 842.9	<u>Flow to IC-38</u> 842.6	Index Cell 37		<u>Flow from IC-38</u> 0.0	<u>Flow from IC-38</u> 0.0	<u>Difference with ASR</u>		Flow to IC-38	0.3	Flow from IC-38	0.0	<table border="0"> <tr> <td style="text-align: center;"><u>2012 Recharge Credit</u> 0.1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Index Cell 38</td> </tr> <tr> <td style="text-align: center;"><u>Loss to Little Ark River</u> 0.1</td> </tr> <tr> <td style="text-align: center;"><u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0</td> </tr> </table>	<u>2012 Recharge Credit</u> 0.1	Index Cell 38		<u>Loss to Little Ark River</u> 0.1	<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0									
<u>With ASR</u>	<u>Without ASR</u>																												
<u>Flow to IC-38</u> 842.9	<u>Flow to IC-38</u> 842.6																												
Index Cell 37																													
<u>Flow from IC-38</u> 0.0	<u>Flow from IC-38</u> 0.0																												
<u>Difference with ASR</u>																													
Flow to IC-38	0.3																												
Flow from IC-38	0.0																												
<u>2012 Recharge Credit</u> 0.1																													
Index Cell 38																													
<u>Loss to Little Ark River</u> 0.1																													
<u>Change in Amount Withdrawn from Aquifer Storage</u> 0.0																													

Index Cell 39	
<u>With ASR</u>	<u>Without ASR</u>
<u>Flow to IC-38</u> 910.0	<u>Flow to IC-38</u> 910.0
<u>Flow from IC-38</u> 954.9	<u>Flow from IC-38</u> 954.8
<u>Difference with ASR</u>	
Flow to IC-38	0.0
Flow from IC-38	0.1

Units are Acre-feet per year

**APPENDIX B –
2012 WATER BUDGET REPORTS WITH & WITHOUT ASR**

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

		With ASR		Without ASR	
Summary of HSU Zone Number 1		1.00		1.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		0.00	50043.64	0.00	50043.64
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		73128.72	0.00	73128.72	0.00
ET		0.00	0.00	0.00	0.00
Storage		82836.76	0.00	81796.06	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 2		208.20	344939.90	208.69	344675.30
HSU Zone 4		170615.70	183804.10	170179.20	184101.30
HSU Zone 39		400438.30	148443.10	401076.80	147571.70
TOTAL FLOWS		727227.80	727230.70	726389.50	726391.90
Error		0.00		0.00	

		With ASR		Without ASR	
Summary of HSU Zone Number 2		2.00		2.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		1162.48	64981.26	0.00	64981.26
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		92693.86	0.00	92693.86	0.00
ET		0.00	0.00	0.00	0.00
Storage		72368.69	0.00	71029.50	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 1		344939.90	208.20	344675.30	208.69
HSU Zone 3		0.00	457779.40	0.00	453904.30
HSU Zone 5		203992.60	199564.80	201186.70	199144.50
HSU Zone 6		0.00	21265.15	0.00	21147.66
HSU Zone 39		147769.90	119129.00	147480.30	117679.20
TOTAL FLOWS		862927.40	862927.80	857065.60	857065.70
Error		0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 3	3.00		3.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	63113.50	0.00	49719.50
Stream	0.00	1019626.00	0.00	1025719.00
Lake	0.00	0.00	0.00	0.00
Recharge	84652.45	0.00	84652.45	0.00
ET	0.00	2287.45	0.00	2291.00
Storage	26759.33	0.00	26176.06	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 2	457779.40	0.00	453904.30	0.00
HSU Zone 6	251278.70	188591.40	247384.60	187585.20
HSU Zone 7	55896.65	55896.65	55842.03	55842.03
HSU Zone 39	622862.50	133538.20	622329.90	132633.70
TOTAL FLOWS	1463061.00	1463053.00	1453798.00	1453790.00
Error	0.00		0.00	
Summary of HSU Zone Number 4	4.00		4.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	112757.40	0.00	112757.40
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	91869.10	0.00	91869.10	0.00
ET	0.00	0.00	0.00	0.00
Storage	100869.50	0.00	99585.93	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 1	183804.10	170615.70	184101.30	170179.20
HSU Zone 5	2043.47	495688.30	2041.55	495890.50
HSU Zone 8	211131.40	211166.20	211621.40	211514.10
HSU Zone 9	0.00	23034.25	0.00	23079.95
HSU Zone 39	423545.30	0.00	424203.40	0.00
TOTAL FLOWS	1013263.00	1013262.00	1013423.00	1013421.00
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

		With ASR		Without ASR	
Summary of HSU Zone Number 5		5.00		5.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		3077.01	201830.90	0.00	201830.90
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		89898.84	0.00	89898.84	0.00
ET		0.00	0.00	0.00	0.00
Storage		92691.46	0.00	91136.08	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 2		199564.80	203992.60	199144.50	201186.70
HSU Zone 4		495688.30	2043.47	495890.50	2041.55
HSU Zone 6		5.11	484083.30	5.89	480463.30
HSU Zone 9		219658.00	208632.20	217993.30	208544.40
TOTAL FLOWS		1100584.00	1100583.00	1094069.00	1094067.00
Error		0.00		0.00	

Summary of HSU Zone Number 6		6.00		6.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		0.00	249789.90	0.00	249789.90
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		62269.38	0.00	62269.38	0.00
ET		0.00	0.00	0.00	0.00
Storage		64312.01	0.00	63096.65	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 2		21265.15	0.00	21147.66	0.00
HSU Zone 3		188591.40	251278.70	187585.20	247384.60
HSU Zone 5		484083.30	5.11	480463.30	5.89
HSU Zone 7		0.00	349319.00	0.00	346120.90
HSU Zone 9		18066.98	18137.74	17806.94	17999.77
HSU Zone 10		172885.80	127697.70	171049.10	126981.40
HSU Zone 11		0.00	15251.43	0.00	15141.23
TOTAL FLOWS		1011474.00	1011480.00	1003418.00	1003424.00
Error		0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 7	7.00		7.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	50776.64	0.00	50776.64
Stream	301.04	640716.00	364.22	636484.70
Lake	0.00	0.00	0.00	0.00
Recharge	24339.58	0.00	24339.58	0.00
ET	0.00	1217.32	0.00	1215.03
Storage	10612.12	0.00	10419.67	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 3	55896.65	19729.07	55842.03	19351.13
HSU Zone 6	349319.00	0.00	346120.90	0.00
HSU Zone 11	89832.08	152780.70	88071.09	152288.90
HSU Zone 39	356470.80	21543.45	356487.30	21532.11
TOTAL FLOWS	886771.30	886763.10	881644.70	881648.50
Error	0.00		0.00	
Summary of HSU Zone Number 8	8.00		8.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	127495.60	0.00	127495.60
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	83277.85	0.00	83277.85	0.00
ET	0.00	3.40	0.00	1.02
Storage	113525.00	0.00	112537.00	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 4	211166.20	211131.40	211514.10	211621.40
HSU Zone 9	0.00	380545.30	0.00	381499.60
HSU Zone 13	101947.40	189480.80	103276.00	189633.50
HSU Zone 39	398738.20	0.00	399644.20	0.00
TOTAL FLOWS	908654.70	908656.50	910249.20	910251.10
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 9	9.00		9.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	2175.22	145992.10	0.00	145992.10
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	63529.43	0.00	63529.43	0.00
ET	0.00	0.00	0.00	0.00
Storage	111595.20	0.00	110438.50	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 4	23034.25	0.00	23079.95	0.00
HSU Zone 5	208632.20	219658.00	208544.40	217993.30
HSU Zone 6	18137.74	18066.98	17999.77	17806.94
HSU Zone 8	380545.30	0.00	381499.60	0.00
HSU Zone 10	5523.31	426682.40	5411.03	423937.10
HSU Zone 13	7536.55	0.00	7637.28	0.00
HSU Zone 14	139255.70	117548.50	135951.50	116680.30
HSU Zone 15	0.00	32019.87	0.00	31683.51
TOTAL FLOWS	959964.80	959967.80	954091.30	954093.40
Error	0.00		0.00	
Summary of HSU Zone Number 10	10.00		10.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	304910.20	0.00	304910.20
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	90929.79	0.00	90929.79	0.00
ET	0.00	0.00	0.00	0.00
Storage	104996.70	0.00	103804.00	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 6	127697.70	172885.80	126981.40	171049.10
HSU Zone 9	426682.40	5523.31	423937.10	5411.03
HSU Zone 11	6367.24	216357.60	6379.60	214341.30
HSU Zone 15	100289.40	157286.60	99853.01	156173.00
TOTAL FLOWS	856963.20	856963.50	851884.90	851884.60
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 11	11.00		11.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	89172.93	0.00	89172.93
Stream	0.00	131310.40	0.00	130583.60
Lake	0.00	0.00	0.00	0.00
Recharge	68157.25	0.00	68157.25	0.00
ET	0.00	0.00	0.00	0.00
Storage	61148.52	0.00	60577.95	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 6	15251.43	0.00	15141.23	0.00
HSU Zone 7	152780.70	89832.08	152288.90	88071.09
HSU Zone 10	216357.60	6367.24	214341.30	6379.60
HSU Zone 12	14263.31	180937.70	14282.29	180092.40
HSU Zone 15	5366.11	0.00	5305.40	0.00
HSU Zone 16	41858.23	92558.93	41161.45	91955.15
HSU Zone 39	15005.96	0.00	15007.26	0.00
TOTAL FLOWS	590189.10	590179.30	586263.00	586254.80
Error	0.00		0.00	
Summary of HSU Zone Number 12	12.00		12.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	38749.19	0.00	38749.19
Stream	0.00	688804.90	0.00	687354.00
Lake	0.00	0.00	0.00	0.00
Recharge	28426.73	0.00	28426.73	0.00
ET	0.00	969.74	0.00	969.51
Storage	13044.13	0.00	12986.56	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 11	180937.70	14263.31	180092.40	14282.29
HSU Zone 16	4517.41	0.00	4456.66	0.00
HSU Zone 17	86921.74	134888.60	86116.03	134554.70
HSU Zone 39	579021.50	15180.36	579021.20	15175.52
TOTAL FLOWS	892869.20	892856.10	891099.60	891085.20
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

		With ASR		Without ASR	
Summary of HSU Zone Number 13		13.00		13.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		0.00	100311.20	0.00	100311.20
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		86370.70	0.00	86370.70	0.00
ET		0.00	0.05	0.00	0.00
Storage		120731.10	0.00	120271.90	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 8		189480.80	101947.40	189633.50	103276.00
HSU Zone 9		0.00	7536.55	0.00	7637.28
HSU Zone 14		0.00	384317.80	0.00	385326.30
HSU Zone 18		63649.79	224850.90	65395.19	224736.70
HSU Zone 19		0.00	48702.80	0.00	48617.30
HSU Zone 39		407434.50	0.00	408234.30	0.00
TOTAL FLOWS		867666.90	867666.60	869905.60	869904.70
Error		0.00		0.00	

Summary of HSU Zone Number 14		14.00		14.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		7016.98	108750.30	0.00	108750.30
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		61948.64	0.00	61948.64	0.00
ET		0.00	0.00	0.00	0.00
Storage		128127.90	0.00	127663.60	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 9		117548.50	139255.70	116680.30	135951.50
HSU Zone 13		384317.80	0.00	385326.30	0.00
HSU Zone 15		0.00	332209.10	0.00	330546.70
HSU Zone 19		109330.20	228081.40	111029.80	227407.70
TOTAL FLOWS		808290.10	808296.50	802648.70	802656.20
Error		0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 15	15.00		15.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	256034.90	0.00	256034.90
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	90219.58	0.00	90219.58	0.00
ET	0.00	0.00	0.00	0.00
Storage	132846.60	0.00	132198.30	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 9	32019.87	0.00	31683.51	0.00
HSU Zone 10	157286.60	100289.40	156173.00	99853.01
HSU Zone 11	0.00	5366.11	0.00	5305.40
HSU Zone 14	332209.10	0.00	330546.70	0.00
HSU Zone 16	673.24	394288.00	697.54	392747.10
HSU Zone 19	9121.12	0.00	9201.36	0.00
HSU Zone 20	210205.20	193899.10	210868.10	193011.50
HSU Zone 21	0.00	14704.33	0.00	14637.02
TOTAL FLOWS	964581.30	964581.90	961588.00	961589.00
Error	0.00		0.00	
Summary of HSU Zone Number 16	16.00		16.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	362411.70	0.00	362411.70
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	91548.36	0.00	91548.36	0.00
ET	0.00	0.00	0.00	0.00
Storage	108101.20	0.00	107679.10	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 11	92558.93	41858.23	91955.15	41161.45
HSU Zone 12	0.00	4517.41	0.00	4456.66
HSU Zone 15	394288.00	673.24	392747.10	697.54
HSU Zone 17	1365.34	267197.10	1379.43	265831.90
HSU Zone 21	138345.70	149547.80	138123.60	148870.60
TOTAL FLOWS	826207.60	826205.40	823432.70	823429.90
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 17	17.00		17.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	113787.10	0.00	113787.10
Stream	0.00	494751.40	0.00	493625.80
Lake	0.00	0.00	0.00	0.00
Recharge	100341.20	0.00	100341.20	0.00
ET	0.00	524.53	0.00	522.89
Storage	58814.79	0.00	58700.12	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 12	134888.60	86921.74	134554.70	86116.03
HSU Zone 16	267197.10	1365.34	265831.90	1379.43
HSU Zone 22	86403.96	130406.80	85882.76	129945.80
HSU Zone 23	32390.50	102744.60	32166.36	102618.10
HSU Zone 39	262587.90	12117.77	262623.70	12097.93
TOTAL FLOWS	942624.10	942619.20	940100.80	940093.10
Error	0.00		0.00	
Summary of HSU Zone Number 18	18.00		18.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	179736.70	0.00	179736.70
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	86508.16	0.00	86508.16	0.00
ET	0.00	0.00	0.00	0.00
Storage	106933.80	0.00	106714.00	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 13	224850.90	63649.79	224736.70	65395.19
HSU Zone 19	0.00	489340.80	0.00	489668.90
HSU Zone 24	114133.80	272360.60	115490.30	272205.80
HSU Zone 39	472661.60	0.00	473558.00	0.00
TOTAL FLOWS	1005088.00	1005088.00	1007007.00	1007007.00
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 19	19.00		19.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	209239.20	0.00	209239.20
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	86439.43	0.00	86439.43	0.00
ET	0.00	0.00	0.00	0.00
Storage	122689.60	0.00	122438.30	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 13	48702.80	0.00	48617.30	0.00
HSU Zone 14	228081.40	109330.20	227407.70	111029.80
HSU Zone 15	0.00	9121.12	0.00	9201.36
HSU Zone 18	489340.80	0.00	489668.90	0.00
HSU Zone 20	0.00	465631.90	0.00	465103.60
HSU Zone 24	4808.60	0.00	4889.00	0.00
HSU Zone 25	74580.49	240626.40	75909.59	240149.80
HSU Zone 26	0.00	20697.79	0.00	20649.08
TOTAL FLOWS	1054643.00	1054647.00	1055370.00	1055373.00
Error	0.00		0.00	
Summary of HSU Zone Number 20	20.00		20.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	110841.00	0.00	110841.00
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	75282.26	0.00	75282.26	0.00
ET	0.00	0.00	0.00	0.00
Storage	133191.30	0.00	132924.00	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 15	193899.10	210205.20	193011.50	210868.10
HSU Zone 19	465631.90	0.00	465103.60	0.00
HSU Zone 21	0.00	486585.20	0.00	485564.20
HSU Zone 26	141711.90	202087.10	142516.40	201566.20
TOTAL FLOWS	1009716.00	1009718.00	1008838.00	1008839.00
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 21	21.00		21.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	424415.00	0.00	424415.00
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	71525.02	0.00	71525.02	0.00
ET	0.00	0.00	0.00	0.00
Storage	135471.60	0.00	135317.60	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 15	14704.33	0.00	14637.02	0.00
HSU Zone 16	149547.80	138345.70	148870.60	138123.60
HSU Zone 20	486585.20	0.00	485564.20	0.00
HSU Zone 22	7565.67	311883.40	7569.71	310832.00
HSU Zone 27	204482.00	142665.20	204592.80	142218.90
HSU Zone 28	0.00	52572.45	0.00	52487.80
TOTAL FLOWS	1069882.00	1069882.00	1068077.00	1068077.00
Error	0.00		0.00	
Summary of HSU Zone Number 22	22.00		22.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	101876.20	0.00	101876.20
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	74439.17	0.00	74439.17	0.00
ET	0.00	0.00	0.00	0.00
Storage	104246.40	0.00	104230.00	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 17	130406.80	86403.96	129945.80	85882.76
HSU Zone 21	311883.40	7565.67	310832.00	7569.71
HSU Zone 23	3338.90	265722.00	3354.75	265034.90
HSU Zone 28	10146.28	172894.50	10088.51	172528.10
TOTAL FLOWS	634461.00	634462.30	632890.30	632891.60
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 23	23.00		23.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	156444.10	0.00	156444.10
Stream	0.00	386653.40	0.00	386035.20
Lake	0.00	0.00	0.00	0.00
Recharge	38438.40	0.00	38438.40	0.00
ET	0.00	415.63	0.00	415.30
Storage	44851.77	0.00	44867.84	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 17	102744.60	32390.50	102618.10	32166.36
HSU Zone 22	265722.00	3338.90	265034.90	3354.75
HSU Zone 28	3924.84	0.00	3914.88	0.00
HSU Zone 29	79972.59	145611.00	79749.14	145406.20
HSU Zone 39	192636.00	3420.27	192636.00	3419.86
TOTAL FLOWS	728290.10	728273.80	727259.20	727241.80
Error	0.00		0.00	
Summary of HSU Zone Number 24	24.00		24.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	168818.20	0.00	168818.20
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	52280.62	0.00	52280.62	0.00
ET	0.00	0.00	0.00	0.00
Storage	64914.85	0.00	64810.61	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 18	272360.60	114133.80	272205.80	115490.30
HSU Zone 19	0.00	4808.60	0.00	4889.00
HSU Zone 25	1430.56	486089.00	1410.15	486293.40
HSU Zone 39	630461.10	247608.40	632260.90	247485.40
TOTAL FLOWS	1021448.00	1021458.00	1022968.00	1022976.00
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 25	25.00		25.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	206528.20	0.00	206528.20
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	59382.72	0.00	59382.72	0.00
ET	0.00	0.00	0.00	0.00
Storage	91461.14	0.00	91334.35	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 19	240626.40	74580.49	240149.80	75909.59
HSU Zone 24	486089.00	1430.56	486293.40	1410.15
HSU Zone 26	0.00	485836.00	0.00	485684.10
HSU Zone 30	0.00	24433.12	0.00	24396.98
HSU Zone 39	141780.40	226536.90	142999.70	226236.30
TOTAL FLOWS	1019340.00	1019345.00	1020160.00	1020165.00
Error	0.00		0.00	

	With ASR		Without ASR	
Summary of HSU Zone Number 26	26.00		26.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	212605.10	0.00	212605.10
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	70425.34	0.00	70425.34	0.00
ET	0.00	0.00	0.00	0.00
Storage	113952.90	0.00	113856.30	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 19	20697.79	0.00	20649.08	0.00
HSU Zone 20	202087.10	141711.90	201566.20	142516.40
HSU Zone 25	485836.00	0.00	485684.10	0.00
HSU Zone 27	0.00	351551.50	0.00	351062.20
HSU Zone 30	109465.00	296596.30	110158.00	296156.40
TOTAL FLOWS	1002464.00	1002465.00	1002339.00	1002340.00
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 27	27.00		27.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	63028.70	0.00	63028.70
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	61032.24	0.00	61032.24	0.00
ET	0.00	0.00	0.00	0.00
Storage	146292.10	0.00	146306.30	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 21	142665.20	204482.00	142218.90	204592.80
HSU Zone 26	351551.50	0.00	351062.20	0.00
HSU Zone 28	2098.91	346249.30	2099.50	345771.00
HSU Zone 30	3378.49	0.00	3400.87	0.00
HSU Zone 31	133062.20	226320.30	133263.10	225989.60
TOTAL FLOWS	840080.60	840080.40	839383.10	839382.10
Error	0.00		0.00	

	With ASR		Without ASR	
Summary of HSU Zone Number 28	28.00		28.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	355644.50	0.00	355644.50
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	60115.84	0.00	60115.84	0.00
ET	0.00	0.00	0.00	0.00
Storage	147782.30	0.00	147856.10	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 21	52572.45	0.00	52487.80	0.00
HSU Zone 22	172894.50	10146.28	172528.10	10088.51
HSU Zone 23	0.00	3924.84	0.00	3914.88
HSU Zone 27	346249.30	2098.91	345771.00	2099.50
HSU Zone 29	4123.12	281957.70	4130.52	281538.90
HSU Zone 31	6780.98	0.00	6790.21	0.00
HSU Zone 32	95017.49	216145.90	95110.13	215908.90
HSU Zone 33	0.00	15622.81	0.00	15599.88
TOTAL FLOWS	885536.00	885541.00	884789.70	884795.10
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 29	29.00		29.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	184420.90	0.00	184420.90
Stream	263.33	213148.30	263.50	212967.90
Lake	0.00	0.00	0.00	0.00
Recharge	44912.77	0.00	44912.77	0.00
ET	0.00	14.15	0.00	14.08
Storage	104762.80	0.00	104821.40	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 23	145611.00	79972.59	145406.20	79749.14
HSU Zone 28	281957.70	4123.12	281538.90	4130.52
HSU Zone 33	19818.01	147951.40	19839.52	147817.40
HSU Zone 34	4253.22	32188.89	4247.50	32172.21
HSU Zone 39	60257.78	0.00	60259.61	0.00
TOTAL FLOWS	661836.70	661819.30	661289.30	661272.20
Error	0.00		0.00	

	With ASR		Without ASR	
Summary of HSU Zone Number 30	30.00		30.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	356493.80	0.00	356493.80
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	51318.40	0.00	51318.40	0.00
ET	0.00	43.24	0.00	42.41
Storage	59850.22	0.00	59826.39	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 25	24433.12	0.00	24396.98	0.00
HSU Zone 26	296596.30	109465.00	296156.40	110158.00
HSU Zone 27	0.00	3378.49	0.00	3400.87
HSU Zone 31	57044.62	450747.60	57043.82	450548.10
HSU Zone 39	603300.40	172418.10	604184.10	172285.40
TOTAL FLOWS	1092543.00	172418.10	1092926.00	172285.40
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

		With ASR		Without ASR	
Summary of HSU Zone Number 31		31.00		31.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		0.00	214166.40	0.00	214166.40
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		55923.31	0.00	55923.31	0.00
ET		0.00	0.00	0.00	0.00
Storage		106863.90	0.00	106896.10	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 27		226320.30	133062.20	225989.60	133263.10
HSU Zone 28		0.00	6780.98	0.00	6790.21
HSU Zone 30		450747.60	57044.62	450548.10	57043.82
HSU Zone 32		0.00	447837.10	0.00	447608.80
HSU Zone 35		162335.50	193787.20	162662.00	193676.30
HSU Zone 36		0.00	16737.94	0.00	16727.60
HSU Zone 39		67218.95	0.00	67250.10	0.00
TOTAL FLOWS		1069410.00	1069416.00	1069269.00	1069276.00
Error		0.00		0.00	
Summary of HSU Zone Number 32		32.00		32.00	
Flows Within HSU		Inflow	Outflow	Inflow	Outflow
Constant Head		0.00	0.00	0.00	0.00
River		0.00	0.00	0.00	0.00
Drain		0.00	0.00	0.00	0.00
GHB		0.00	0.00	0.00	0.00
Well		0.00	387663.20	0.00	387663.20
Stream		0.00	0.00	0.00	0.00
Lake		0.00	0.00	0.00	0.00
Recharge		67332.49	0.00	67332.49	0.00
ET		0.00	134.54	0.00	133.96
Storage		141835.40	0.00	141908.70	0.00
Flows Between HSUs					
HSU Number		Inflow	Outflow	Inflow	Outflow
HSU Zone 28		216145.90	95017.49	215908.90	95110.13
HSU Zone 31		447837.10	0.00	447608.80	0.00
HSU Zone 33		0.00	344996.40	0.00	344752.10
HSU Zone 36		86310.42	131651.90	86452.15	131554.10
TOTAL FLOWS		959461.40	959463.50	959211.10	959213.60
Error		0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 33	33.00		33.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	374364.30	0.00	374228.30
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	61550.01	0.00	61550.01	0.00
ET	0.00	451.62	0.00	451.44
Storage	127198.80	0.00	127239.90	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 28	15622.81	0.00	15599.88	0.00
HSU Zone 29	147951.40	19818.01	147817.40	19839.52
HSU Zone 32	344996.40	0.00	344752.10	0.00
HSU Zone 34	0.00	235778.70	0.00	235612.60
HSU Zone 36	4945.31	0.00	4949.45	0.00
HSU Zone 37	47428.07	119281.90	47442.35	119222.40
TOTAL FLOWS	749692.80	749694.40	749351.10	749354.20
Error	0.00		0.00	

	With ASR		Without ASR	
Summary of HSU Zone Number 34	34.00		34.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	42441.40	0.00	42441.40
Stream	26946.87	313817.70	26950.09	313664.80
Lake	0.00	0.00	0.00	0.00
Recharge	15285.55	0.00	15285.55	0.00
ET	0.00	17.43	0.00	17.36
Storage	25350.53	0.00	25369.75	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 29	32188.89	4253.22	32172.21	4247.50
HSU Zone 33	235778.70	0.00	235612.60	0.00
HSU Zone 37	2731.56	0.00	2731.66	0.00
HSU Zone 38	67499.54	59778.21	67484.53	59762.44
HSU Zone 39	47582.62	33062.12	47582.67	33061.99
TOTAL FLOWS	453364.20	453370.00	453189.10	453195.50
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 35	35.00		35.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	36271.28	0.00	36271.28
Stream	116708.60	18419.45	116876.10	18406.47
Lake	0.00	0.00	0.00	0.00
Recharge	29783.00	0.00	29783.00	0.00
ET	0.00	0.00	0.00	0.00
Storage	22699.72	0.00	22706.54	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 31	193787.20	162335.50	193676.30	162662.00
HSU Zone 36	0.00	251161.00	0.00	251154.20
HSU Zone 39	257831.90	152445.80	258051.90	152422.60
TOTAL FLOWS	620810.40	620633.10	621093.90	620916.60
Error	0.03		0.03	
Summary of HSU Zone Number 36	36.00		36.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	142110.60	0.00	142110.60
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	32990.40	0.00	32990.40	0.00
ET	0.00	0.00	0.00	0.00
Storage	55293.79	0.00	55315.69	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 31	16737.94	0.00	16727.60	0.00
HSU Zone 32	131651.90	86310.42	131554.10	86452.15
HSU Zone 33	0.00	4945.31	0.00	4949.45
HSU Zone 35	251161.00	0.00	251154.20	0.00
HSU Zone 37	0.00	154853.40	0.00	154805.10
HSU Zone 39	106526.10	206144.20	106662.30	206089.30
TOTAL FLOWS	594361.10	594363.90	594404.30	594406.70
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number 37	37.00		37.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	152873.30	0.00	152873.30
Stream	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Recharge	33677.70	0.00	33677.70	0.00
ET	0.00	0.00	0.00	0.00
Storage	65690.13	0.00	65714.36	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 33	119281.90	47428.07	119222.40	47442.35
HSU Zone 34	0.00	2731.56	0.00	2731.66
HSU Zone 36	154853.40	0.00	154805.10	0.00
HSU Zone 38	0.00	100589.30	0.00	100557.80
HSU Zone 39	57949.79	127834.70	57984.30	127802.10
TOTAL FLOWS	431452.90	431456.80	431403.80	431407.20
Error	0.00		0.00	
Summary of HSU Zone Number 38	38.00		38.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	0.00	0.00	0.00	0.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	10613.84	0.00	10613.84
Stream	793.90	133070.80	793.98	133060.70
Lake	0.00	0.00	0.00	0.00
Recharge	21993.60	0.00	21993.60	0.00
ET	0.00	0.00	0.00	0.00
Storage	33378.22	0.00	33388.15	0.00
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 34	59778.21	67499.54	59762.44	67484.53
HSU Zone 37	100589.30	0.00	100557.80	0.00
HSU Zone 39	108606.70	113956.80	108605.30	113943.20
TOTAL FLOWS	325139.90	325141.00	325101.30	325102.30
Error	0.00		0.00	

2012
Accounting Model
Detailed Hydrostratigraphic Unit Water Budget

	With ASR		Without ASR	
Summary of HSU Zone Number	39.00		39.00	
Flows Within HSU	Inflow	Outflow	Inflow	Outflow
Constant Head	8161853.00	1417126.00	8161878.00	1417127.00
River	0.00	0.00	0.00	0.00
Drain	0.00	0.00	0.00	0.00
GHB	0.00	0.00	0.00	0.00
Well	0.00	5725323.00	0.00	5725323.00
Stream	2570808.00	10610500.00	2576546.00	10601790.00
Lake	0.00	0.00	0.00	0.00
Recharge	6271755.00	0.00	6271755.00	0.00
ET	0.00	415278.40	0.00	414993.60
Storage	5794678.00	4494.55	5791435.00	4569.38
Flows Between HSUs				
HSU Number	Inflow	Outflow	Inflow	Outflow
HSU Zone 1	148443.10	400438.30	147571.70	401076.80
HSU Zone 2	119129.00	147769.90	117679.20	147480.30
HSU Zone 3	133538.20	622862.50	132633.70	622329.90
HSU Zone 4	0.00	423545.30	0.00	424203.40
HSU Zone 7	21543.45	356470.80	21532.11	356487.30
HSU Zone 8	0.00	398738.20	0.00	399644.20
HSU Zone 11	0.00	15005.96	0.00	15007.26
HSU Zone 12	15180.36	579021.50	15175.52	579021.20
HSU Zone 13	0.00	407434.50	0.00	408234.30
HSU Zone 17	12117.77	262587.90	12097.93	262623.70
HSU Zone 18	0.00	472661.60	0.00	473558.00
HSU Zone 23	3420.27	192636.00	3419.86	192636.00
HSU Zone 24	247608.40	630461.10	247485.40	632260.90
HSU Zone 25	226536.90	141780.40	226236.30	142999.70
HSU Zone 29	0.00	60257.78	0.00	60259.61
HSU Zone 30	172418.10	603300.40	172285.40	604184.10
HSU Zone 31	0.00	67218.95	0.00	67250.10
HSU Zone 34	33062.12	47582.62	33061.99	47582.67
HSU Zone 35	152445.80	257831.90	152422.60	258051.90
HSU Zone 36	206144.20	106526.10	206089.30	106662.30
HSU Zone 37	127834.70	57949.79	127802.10	57984.30
HSU Zone 38	113956.80	108606.70	113943.20	108605.30
TOTAL FLOWS	24532470.00	24533410.00	24531050.00	24531950.00
Error	0.00		0.00	

**APPENDIX C –
CHEMICAL, PHYSICAL, RADIOLOGICAL AND BIOLOGICAL QUALITY OF WATER
DIVERTED & STORED**

Class V Injection Well Monitoring Report
 Month: January-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
1/1/2012	7	n/a	0.00	1/8/2012	12:00AM	RR	
1/8/2012	7	n/a	0.00	1/15/2012	12:00AM	RR	
1/15/2012	7	n/a	0.00	1/22/2012	12:00AM	RR	
1/22/2012	7	n/a	0.00	1/29/2012	12:00AM	RR	
1/29/2012	3	n/a	0.00	2/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

January-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: January-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
1/1/2012	7	n/a	0.00	1/8/2012	12:00AM	RR	
1/8/2012	7	n/a	0.00	1/15/2012	12:00AM	RR	
1/15/2012	7	n/a	0.00	1/22/2012	12:00AM	RR	
1/22/2012	7	n/a	0.00	1/29/2012	12:00AM	RR	
1/29/2012	3	n/a	0.00	2/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month January-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: January-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
1/1/2012	7	n/a	0.00	1/8/2012	12:00AM	RR	No Water Sample Collection
1/8/2012	7	n/a	0.00	1/15/2012	12:00AM	RR	
1/15/2012	7	n/a	0.00	1/22/2012	12:00AM	RR	
1/22/2012	7	n/a	0.00	1/29/2012	12:00AM	RR	
1/29/2012	3	n/a	0.00	2/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month January-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: January-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
1/1/2012	7	n/a	0.00	1/8/2012	12:00AM	RR	
1/8/2012	7	n/a	0.00	1/15/2012	12:00AM	RR	
1/15/2012	7	n/a	0.00	1/22/2012	12:00AM	RR	
1/22/2012	7	n/a	0.00	1/29/2012	12:00AM	RR	
1/29/2012	3	n/a	0.00	2/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month January-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: January-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
1/1/2012	7	n/a	0.00	1/8/2012	12:00AM	RR	
1/8/2012	7	n/a	0.00	1/15/2012	12:00AM	RR	
1/15/2012	7	n/a	0.00	1/22/2012	12:00AM	RR	
1/22/2012	7	n/a	0.00	1/29/2012	12:00AM	RR	
1/29/2012	3	n/a	0.00	2/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

January-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: January-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
1/1/2012	7	n/a	0.00	1/8/2012	12:00AM	RR	
1/8/2012	7	n/a	0.00	1/15/2012	12:00AM	RR	
1/15/2012	7	n/a	0.00	1/22/2012	12:00AM	RR	
1/22/2012	7	n/a	0.00	1/29/2012	12:00AM	RR	
1/29/2012	3	n/a	0.00	2/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month January-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: February-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
2/1/2012	4	n/a	0.00	2/5/2012	12:00AM	RR	
2/5/2012	7	n/a	0.00	2/12/2012	12:00AM	RR	
2/12/2012	7	n/a	0.00	2/19/2012	12:00AM	RR	
2/19/2012	7	n/a	0.00	2/26/2012	12:00AM	RR	
2/26/2012	4	n/a	0.00	3/1/2012	12:00AM	RR	
29		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

February-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: February-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
2/1/2012	4	n/a	0.00	2/5/2012	12:00AM	RR	
2/5/2012	7	n/a	8,065,325.00	2/12/2012	12:00AM	RR	
2/12/2012	7	n/a	0.00	2/19/2012	12:00AM	RR	
2/19/2012	7	n/a	0.00	2/26/2012	12:00AM	RR	
2/26/2012	4	n/a	0.00	3/1/2012	12:00AM	RR	
29		8,065,325.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

February-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: February-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
2/1/2012	4	n/a	0.00	2/5/2012	12:00AM	RR	
2/5/2012	7	n/a	0.00	2/12/2012	12:00AM	RR	
2/12/2012	7	n/a	0.00	2/19/2012	12:00AM	RR	
2/19/2012	7	n/a	0.00	2/26/2012	12:00AM	RR	
2/26/2012	4	n/a	0.00	3/1/2012	12:00AM	RR	
	29		0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month February-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: February-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
2/1/2012	4	n/a	0.00	2/5/2012	12:00AM	RR	
2/5/2012	7	n/a	0.00	2/12/2012	12:00AM	RR	
2/12/2012	7	n/a	0.00	2/19/2012	12:00AM	RR	
2/19/2012	7	n/a	0.00	2/26/2012	12:00AM	RR	
2/26/2012	4	n/a	0.00	3/1/2012	12:00AM	RR	
			29			0.00	

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

February-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: February-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
2/1/2012	4	n/a	0.00	2/5/2012	12:00AM	RR	
2/5/2012	7	n/a	0.00	2/12/2012	12:00AM	RR	
2/12/2012	7	n/a	0.00	2/19/2012	12:00AM	RR	
2/19/2012	7	n/a	0.00	2/26/2012	12:00AM	RR	
2/26/2012	4	n/a	0.00	3/1/2012	12:00AM	RR	
29		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

February-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: February-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
2/1/2012	4	n/a	0.00	2/5/2012	12:00AM	RR	
2/5/2012	7	n/a	0.00	2/12/2012	12:00AM	RR	
2/12/2012	7	n/a	0.00	2/19/2012	12:00AM	RR	
2/19/2012	7	n/a	0.00	2/26/2012	12:00AM	RR	
2/26/2012	4	n/a	0.00	3/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
29		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month February-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: March-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
3/1/2012	4	n/a	0.00	3/4/2012	12:00AM	RR	
3/4/2012	7	n/a	0.00	3/11/2012	12:00AM	RR	
3/11/2012	7	n/a	0.00	3/18/2012	12:00AM	RR	
3/18/2012	7	n/a	0.00	3/25/2012	12:00AM	RR	
3/25/2012	6	n/a	0.00	4/1/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

March-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: March-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
3/1/2012	4	n/a	2,169,104.00	3/4/2012	12:00AM	RR	
3/4/2012	7	n/a	0.00	3/11/2012	12:00AM	RR	
3/11/2012	7	n/a	0.00	3/18/2012	12:00AM	RR	
3/18/2012	7	n/a	4,112,944.00	3/25/2012	12:00AM	RR	
3/25/2012	6	n/a	1,448,848.00	4/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		7,730,896.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month March-2012

Max pH	7.21	Max Specific Conductance	337.50	Max Turbidity	0.38	Max Temperature	23.06
Min pH	7.14	Min Specific Conductance	321.88	Min Turbidity	0.16	Min Temperature	17.33

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: March-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
3/1/2012	4	n/a	892,088.00	3/4/2012	12:00AM	RR	
3/4/2012	7	n/a	0.00	3/11/2012	12:00AM	RR	
3/11/2012	7	n/a	0.00	3/18/2012	12:00AM	RR	
3/18/2012	7	n/a	1,103,648.00	3/25/2012	12:00AM	RR	
3/25/2012	6	n/a	471,744.00	4/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		2,467,480.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month March-2012

Max pH	7.21	Max Specific Conductance	337.50	Max Turbidity	0.38	Max Temperature	23.06
Min pH	7.14	Min Specific Conductance	321.88	Min Turbidity	0.16	Min Temperature	17.33

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: March-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
3/1/2012	4	n/a	1,448,528.00	3/4/2012	12:00AM	RR	
3/4/2012	7	n/a	0.00	3/11/2012	12:00AM	RR	
3/11/2012	7	n/a	0.00	3/18/2012	12:00AM	RR	
3/18/2012	7	n/a	1,706,976.00	3/25/2012	12:00AM	RR	
3/25/2012	6	n/a	718,944.00	4/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		3,874,448.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month March-2012

Max pH	7.21	Max Specific Conductance	337.50	Max Turbidity	0.38	Max Temperature	23.06
Min pH	7.14	Min Specific Conductance	321.88	Min Turbidity	0.16	Min Temperature	17.33

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: March-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
3/1/2012	4	n/a	1,031,024.00	3/4/2012	12:00AM	RR	
3/4/2012	7	n/a	0.00	3/11/2012	12:00AM	RR	
3/11/2012	7	n/a	0.00	3/18/2012	12:00AM	RR	
3/18/2012	7	n/a	1,567,376.00	3/25/2012	12:00AM	RR	
3/25/2012	6	n/a	692,720.00	4/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		3,291,120.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

March-2012

Max pH	7.21	Max Specific Conductance	337.50	Max Turbidity	0.38	Max Temperature	23.06
Min pH	7.14	Min Specific Conductance	321.88	Min Turbidity	0.16	Min Temperature	17.33

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: March-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
3/1/2012	4	n/a	1,586,848.00	3/4/2012	12:00AM	RR	
3/4/2012	7	n/a	0.00	3/11/2012	12:00AM	RR	
3/11/2012	7	n/a	0.00	3/18/2012	12:00AM	RR	
3/18/2012	7	n/a	2,118,208.00	3/25/2012	12:00AM	RR	
3/25/2012	6	n/a	926,272.00	4/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		4,631,328.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month March-2012

Max pH	7.21	Max Specific Conductance	337.50	Max Turbidity	0.38	Max Temperature	23.06
Min pH	7.14	Min Specific Conductance	321.88	Min Turbidity	0.16	Min Temperature	17.33

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: April-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
4/1/2012	7	n/a	0.00	4/8/2012	12:00AM	RR	
4/8/2012	7	n/a	0.00	4/15/2012	12:00AM	RR	
4/15/2012	7	n/a	0.00	4/22/2012	12:00AM	RR	
4/22/2012	7	n/a	0.00	4/29/2012	12:00AM	RR	
4/29/2012	2	n/a	0.00	4/30/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

April-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: April-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
4/1/2012	7	n/a	0.00	4/8/2012	12:00AM	RR	
4/8/2012	7	n/a	0.00	4/15/2012	12:00AM	RR	
4/15/2012	7	n/a	756,500.00	4/22/2012	12:00AM	RR	
4/22/2012	7	n/a	0.00	4/29/2012	12:00AM	RR	
4/29/2012	2	n/a	0.00	4/30/2012	12:00AM	RR	
30		756,500.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

April-2012

Max pH	7.08	Max Specific Conductance	339.84	Max Turbidity	0.28	Max Temperature	19.55
Min pH	6.96	Min Specific Conductance	259.38	Min Turbidity	0.22	Min Temperature	15.89

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: April-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
4/1/2012	7	n/a	0.00	4/8/2012	12:00AM	RR	
4/8/2012	7	n/a	0.00	4/15/2012	12:00AM	RR	
4/15/2012	7	n/a	218,143.75	4/22/2012	12:00AM	RR	
4/22/2012	7	n/a	0.00	4/29/2012	12:00AM	RR	
4/29/2012	2	n/a	0.00	4/30/2012	12:00AM	RR	
30		218,143.75					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month April-2012

Max pH	7.08	Max Specific Conductance	339.84	Max Turbidity	0.28	Max Temperature	19.55
Min pH	6.96	Min Specific Conductance	259.38	Min Turbidity	0.22	Min Temperature	15.89

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: April-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
4/1/2012	7	n/a	0.00	4/8/2012	12:00AM	RR	
4/8/2012	7	n/a	0.00	4/15/2012	12:00AM	RR	
4/15/2012	7	n/a	332,662.50	4/22/2012	12:00AM	RR	
4/22/2012	7	n/a	0.00	4/29/2012	12:00AM	RR	
4/29/2012	2	n/a	0.00	4/30/2012	12:00AM	RR	
30		332,662.50					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month April-2012

Max pH	7.08	Max Specific Conductance	339.84	Max Turbidity	0.28	Max Temperature	19.55
Min pH	6.96	Min Specific Conductance	259.38	Min Turbidity	0.22	Min Temperature	15.89

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: April-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
4/1/2012	7	n/a	0.00	4/8/2012	12:00AM	RR	
4/8/2012	7	n/a	0.00	4/15/2012	12:00AM	RR	
4/15/2012	7	n/a	355,981.25	4/22/2012	12:00AM	RR	
4/22/2012	7	n/a	0.00	4/29/2012	12:00AM	RR	
4/29/2012	2	n/a	0.00	4/30/2012	12:00AM	RR	
30		355,981.25					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

April-2012

Max pH	7.08	Max Specific Conductance	339.84	Max Turbidity	0.28	Max Temperature	19.55
Min pH	6.96	Min Specific Conductance	259.38	Min Turbidity	0.22	Min Temperature	15.89

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: April-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
4/1/2012	7	n/a	0.00	4/8/2012	12:00AM	RR	
4/8/2012	7	n/a	0.00	4/15/2012	12:00AM	RR	
4/15/2012	7	n/a	452,468.75	4/22/2012	12:00AM	RR	
4/22/2012	7	n/a	0.00	4/29/2012	12:00AM	RR	
4/29/2012	2	n/a	0.00	4/30/2012	12:00AM	RR	
30		452,468.75					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month April-2012

Max pH	7.08	Max Specific Conductance	339.84	Max Turbidity	0.28	Max Temperature	19.55
Min pH	6.96	Min Specific Conductance	259.38	Min Turbidity	0.22	Min Temperature	15.89

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: May-2012
Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
5/1/2012	5	n/a	0.00	5/6/2012	12:00AM	RR	
5/6/2012	7	n/a	0.00	5/13/2012	12:00AM	RR	
5/13/2012	7	n/a	0.00	5/20/2012	12:00AM	RR	
5/20/2012	7	n/a	0.00	5/27/2012	12:00AM	RR	
5/27/2012	5	n/a	0.00	6/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

May-2012

Max pH	n/a	Max Specific Conductance	n/a	Max Turbidity	n/a	Max Temperature	n/a
Min pH	n/a	Min Specific Conductance	n/a	Min Turbidity	n/a	Min Temperature	n/a

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: May-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
5/1/2012	5	n/a	0.00	5/6/2012	12:00AM	RR	
5/6/2012	7	n/a	0.00	5/13/2012	12:00AM	RR	
5/13/2012	7	n/a	0.00	5/20/2012	12:00AM	RR	
5/20/2012	7	n/a	0.00	5/27/2012	12:00AM	RR	
5/27/2012	5	n/a	0.00	6/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month May-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: May-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
5/1/2012	5	n/a	0.00	5/6/2012	12:00AM	RR	
5/6/2012	7	n/a	0.00	5/13/2012	12:00AM	RR	
5/13/2012	7	n/a	0.00	5/20/2012	12:00AM	RR	
5/20/2012	7	n/a	0.00	5/27/2012	12:00AM	RR	
5/27/2012	5	n/a	0.00	6/1/2012	12:00AM	RR	
	31		0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month May-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: May-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
5/1/2012	5	n/a	0.00	5/6/2012	12:00AM	RR	
5/6/2012	7	n/a	0.00	5/13/2012	12:00AM	RR	
5/13/2012	7	n/a	0.00	5/20/2012	12:00AM	RR	
5/20/2012	7	n/a	0.00	5/27/2012	12:00AM	RR	
5/27/2012	5	n/a	0.00	6/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month May-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: May-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
5/1/2012	5	n/a	0.00	5/6/2012	12:00AM	RR	
5/6/2012	7	n/a	0.00	5/13/2012	12:00AM	RR	
5/13/2012	7	n/a	0.00	5/20/2012	12:00AM	RR	
5/20/2012	7	n/a	0.00	5/27/2012	12:00AM	RR	
5/27/2012	5	n/a	0.00	6/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month May-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: May-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
5/1/2012	5	n/a	0.00	5/6/2012	12:00AM	RR	
5/6/2012	7	n/a	0.00	5/13/2012	12:00AM	RR	
5/13/2012	7	n/a	0.00	5/20/2012	12:00AM	RR	
5/20/2012	7	n/a	0.00	5/27/2012	12:00AM	RR	
5/27/2012	5	n/a	0.00	6/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month May-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: June-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
6/1/2012	2	n/a	0.00	6/3/2012	12:00AM	RR	
6/3/2012	7	n/a	0.00	6/10/2012	12:00AM	RR	
6/10/2012	7	n/a	0.00	6/17/2012	12:00AM	RR	
6/17/2012	7	n/a	0.00	6/24/2012	12:00AM	RR	
6/24/2012	7	n/a	0.00	7/1/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

June-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: June-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
6/1/2012	2	n/a	2,606,900.00	6/3/2012	12:00AM	RR	
6/3/2012	7	n/a	0.00	6/10/2012	12:00AM	RR	
6/10/2012	7	n/a	0.00	6/17/2012	12:00AM	RR	
6/17/2012	7	n/a	0.00	6/24/2012	12:00AM	RR	
6/24/2012	7	n/a	0.00	7/1/2012	12:00AM	RR	
30		2,606,900.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

June-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: June-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
6/1/2012	2	n/a	592,675.00	6/3/2012	12:00AM	RR	
6/3/2012	7	n/a	0.00	6/10/2012	12:00AM	RR	
6/10/2012	7	n/a	0.00	6/17/2012	12:00AM	RR	
6/17/2012	7	n/a	0.00	6/24/2012	12:00AM	RR	
6/24/2012	7	n/a	0.00	7/1/2012	12:00AM	RR	
	30		592,675.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month June-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: June-2012
Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
6/1/2012	2	n/a	930,112.50	6/3/2012	12:00AM	RR	
6/3/2012	7	n/a	0.00	6/10/2012	12:00AM	RR	
6/10/2012	7	n/a	0.00	6/17/2012	12:00AM	RR	
6/17/2012	7	n/a	0.00	6/24/2012	12:00AM	RR	
6/24/2012	7	n/a	0.00	7/1/2012	12:00AM	RR	
30		930,112.50					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month June-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: June-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
6/1/2012	2	n/a	0.00	6/3/2012	12:00AM	RR	
6/3/2012	7	n/a	0.00	6/10/2012	12:00AM	RR	
6/10/2012	7	n/a	0.00	6/17/2012	12:00AM	RR	
6/17/2012	7	n/a	0.00	6/24/2012	12:00AM	RR	
6/24/2012	7	n/a	0.00	7/1/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month June-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: June-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
6/1/2012	2	n/a	1,060,056.25	6/3/2012	12:00AM	RR	
6/3/2012	7	n/a	0.00	6/10/2012	12:00AM	RR	
6/10/2012	7	n/a	0.00	6/17/2012	12:00AM	RR	
6/17/2012	7	n/a	0.00	6/24/2012	12:00AM	RR	
6/24/2012	7	n/a	0.00	7/1/2012	12:00AM	RR	
	30		1,060,056.25				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month June-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: July-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
7/1/2012	7	n/a	0.00	7/8/2012	12:00AM	RR	
7/8/2012	7	n/a	0.00	7/15/2012	12:00AM	RR	
7/15/2012	7	n/a	0.00	7/22/2012	12:00AM	RR	
7/22/2012	7	n/a	0.00	7/29/2012	12:00AM	RR	
7/29/2012	3	n/a	0.00	7/31/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month July-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: July-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
7/1/2012	7	n/a	0.00	7/8/2012	12:00AM	RR	
7/8/2012	7	n/a	0.00	7/15/2012	12:00AM	RR	
7/15/2012	7	n/a	0.00	7/22/2012	12:00AM	RR	
7/22/2012	7	n/a	0.00	7/29/2012	12:00AM	RR	
7/29/2012	3	n/a	0.00	7/31/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month July-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: July-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
7/1/2012	7	n/a	0.00	7/8/2012	12:00AM	RR	No water samples collected
7/8/2012	7	n/a	0.00	7/15/2012	12:00AM	RR	
7/15/2012	7	n/a	0.00	7/22/2012	12:00AM	RR	
7/22/2012	7	n/a	0.00	7/29/2012	12:00AM	RR	
7/29/2012	3	n/a	0.00	7/31/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month July-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: July-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
7/1/2012	7	n/a	0.00	7/8/2012	12:00AM	RR	
7/8/2012	7	n/a	0.00	7/15/2012	12:00AM	RR	
7/15/2012	7	n/a	0.00	7/22/2012	12:00AM	RR	
7/22/2012	7	n/a	0.00	7/29/2012	12:00AM	RR	
7/29/2012	3	n/a	0.00	7/31/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month July-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: July-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
7/1/2012	7	n/a	0.00	7/8/2012	12:00AM	RR	
7/8/2012	7	n/a	0.00	7/15/2012	12:00AM	RR	
7/15/2012	7	n/a	0.00	7/22/2012	12:00AM	RR	
7/22/2012	7	n/a	0.00	7/29/2012	12:00AM	RR	
7/29/2012	3	n/a	0.00	7/31/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month July-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: July-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
7/1/2012	7	n/a	0.00	7/8/2012	12:00AM	RR	
7/8/2012	7	n/a	0.00	7/15/2012	12:00AM	RR	
7/15/2012	7	n/a	0.00	7/22/2012	12:00AM	RR	
7/22/2012	7	n/a	0.00	7/29/2012	12:00AM	RR	
7/29/2012	3	n/a	0.00	7/31/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month July-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: August-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
8/1/2012	4	n/a	0.00	8/5/2012	12:00AM	RR	
8/5/2012	7	n/a	0.00	8/12/2012	12:00AM	RR	
8/12/2012	7	n/a	0.00	8/19/2012	12:00AM	RR	
8/19/2012	7	n/a	0.00	8/26/2012	12:00AM	RR	
8/26/2012	6	n/a	0.00	9/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month August-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: August-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
8/1/2012	4	n/a	0.00	8/5/2012	12:00AM	RR	
8/5/2012	7	n/a	0.00	8/12/2012	12:00AM	RR	
8/12/2012	7	n/a	0.00	8/19/2012	12:00AM	RR	
8/19/2012	7	n/a	0.00	8/26/2012	12:00AM	RR	
8/26/2012	6	n/a	0.00	9/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

August-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: August-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
8/1/2012	4	n/a	0.00	8/5/2012	12:00AM	RR	No Water samples collected.
8/5/2012	7	n/a	0.00	8/12/2012	12:00AM	RR	
8/12/2012	7	n/a	0.00	8/19/2012	12:00AM	RR	
8/19/2012	7	n/a	0.00	8/26/2012	12:00AM	RR	
8/26/2012	6	n/a	0.00	9/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month August-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: August-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
8/1/2012	4	n/a	0.00	8/5/2012	12:00AM	RR	
8/5/2012	7	n/a	0.00	8/12/2012	12:00AM	RR	
8/12/2012	7	n/a	0.00	8/19/2012	12:00AM	RR	
8/19/2012	7	n/a	0.00	8/26/2012	12:00AM	RR	
8/26/2012	6	n/a	0.00	9/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month August-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: August-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
8/1/2012	4	n/a	0.00	8/5/2012	12:00AM	RR	
8/5/2012	7	n/a	0.00	8/12/2012	12:00AM	RR	
8/12/2012	7	n/a	0.00	8/19/2012	12:00AM	RR	
8/19/2012	7	n/a	0.00	8/26/2012	12:00AM	RR	
8/26/2012	6	n/a	0.00	9/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

August-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: August-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
8/1/2012	4	n/a	0.00	8/5/2012	12:00AM	RR	
8/5/2012	7	n/a	0.00	8/12/2012	12:00AM	RR	
8/12/2012	7	n/a	0.00	8/19/2012	12:00AM	RR	
8/19/2012	7	n/a	0.00	8/26/2012	12:00AM	RR	
8/26/2012	6	n/a	0.00	9/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month August-2012

Max pH	7.25	Max Specific Conductance	444.53	Max Turbidity	0.44	Max Temperature	21.86
Min pH	7.14	Min Specific Conductance	325.00	Min Turbidity	0.16	Min Temperature	12.34

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: September-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
9/1/2012	1	n/a	0.00	9/2/2012	12:00AM	RR	
9/2/2012	7	n/a	0.00	9/9/2012	12:00AM	RR	
9/9/2012	7	n/a	0.00	9/16/2012	12:00AM	RR	
9/16/2012	7	n/a	0.00	9/23/2012	12:00AM	RR	
9/23/2012	7	n/a	0.00	9/29/2012	12:00AM	RR	
9/30/2012	1	n/a	0.00	9/30/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month September-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: September-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
9/1/2012	1	n/a	0.00	9/2/2012	12:00AM	RR	
9/2/2012	7	n/a	0.00	9/9/2012	12:00AM	RR	
9/9/2012	7	n/a	0.00	9/16/2012	12:00AM	RR	
9/16/2012	7	n/a	0.00	9/23/2012	12:00AM	RR	
9/23/2012	7	n/a	0.00	9/29/2012	12:00AM	RR	
9/30/2012	1	n/a	0.00	9/30/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

September-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: September-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
9/1/2012	1	n/a	0.00	9/2/2012	12:00AM	RR	
9/2/2012	7	n/a	0.00	9/9/2012	12:00AM	RR	
9/9/2012	7	n/a	0.00	9/16/2012	12:00AM	RR	
9/16/2012	7	n/a	0.00	9/23/2012	12:00AM	RR	
9/23/2012	7	n/a	0.00	9/29/2012	12:00AM	RR	
9/30/2012	1	n/a	0.00	9/30/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month September-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: September-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
9/1/2012	1	n/a	0.00	9/2/2012	12:00AM	RR	
9/2/2012	7	n/a	0.00	9/9/2012	12:00AM	RR	
9/9/2012	7	n/a	0.00	9/16/2012	12:00AM	RR	
9/16/2012	7	n/a	0.00	9/23/2012	12:00AM	RR	
9/23/2012	7	n/a	0.00	9/29/2012	12:00AM	RR	
9/30/2012	1	n/a	0.00	9/30/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month September-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: September-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
9/1/2012	1	n/a	0.00	9/2/2012	12:00AM	RR	
9/2/2012	7	n/a	0.00	9/9/2012	12:00AM	RR	
9/9/2012	7	n/a	0.00	9/16/2012	12:00AM	RR	
9/16/2012	7	n/a	0.00	9/23/2012	12:00AM	RR	
9/23/2012	7	n/a	0.00	9/29/2012	12:00AM	RR	
9/30/2012	1	n/a	0.00	9/30/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

September-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: September-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
9/1/2012	1	n/a	0.00	9/2/2012	12:00AM	RR	
9/2/2012	7	n/a	0.00	9/9/2012	12:00AM	RR	
9/9/2012	7	n/a	0.00	9/16/2012	12:00AM	RR	
9/16/2012	7	n/a	0.00	9/23/2012	12:00AM	RR	
9/23/2012	7	n/a	0.00	9/29/2012	12:00AM	RR	
9/30/2012	1	n/a	0.00	9/30/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month September-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: October-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
10/1/2012	6	n/a	0.00	10/7/2012	12:00AM	RR	
10/7/2012	7	n/a	0.00	10/14/2012	12:00AM	RR	
10/14/2012	7	n/a	0.00	10/21/2012	12:00AM	RR	
10/21/2012	7	n/a	0.00	10/28/2012	12:00AM	RR	
10/28/2012	4	n/a	0.00	11/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

October-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: October-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
10/1/2012	6	n/a	0.00	10/7/2012	12:00AM	RR	
10/7/2012	7	n/a	0.00	10/14/2012	12:00AM	RR	
10/14/2012	7	n/a	0.00	10/21/2012	12:00AM	RR	
10/21/2012	7	n/a	0.00	10/28/2012	12:00AM	RR	
10/28/2012	4	n/a	0.00	11/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

October-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: October-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
10/1/2012	6	n/a	0.00	10/7/2012	12:00AM	RR	
10/7/2012	7	n/a	0.00	10/14/2012	12:00AM	RR	
10/14/2012	7	n/a	0.00	10/21/2012	12:00AM	RR	
10/21/2012	7	n/a	0.00	10/28/2012	12:00AM	RR	
10/28/2012	4	n/a	0.00	11/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month October-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: October-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
10/1/2012	6	n/a	0.00	10/7/2012	12:00AM	RR	
10/7/2012	7	n/a	0.00	10/14/2012	12:00AM	RR	
10/14/2012	7	n/a	0.00	10/21/2012	12:00AM	RR	
10/21/2012	7	n/a	0.00	10/28/2012	12:00AM	RR	
10/28/2012	4	n/a	0.00	11/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month October-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: October-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
10/1/2012	6	n/a	0.00	10/7/2012	12:00AM	RR	
10/7/2012	7	n/a	0.00	10/14/2012	12:00AM	RR	
10/14/2012	7	n/a	0.00	10/21/2012	12:00AM	RR	
10/21/2012	7	n/a	0.00	10/28/2012	12:00AM	RR	
10/28/2012	4	n/a	0.00	11/1/2012	12:00AM	RR	
31			0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

October-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: October-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
10/1/2012	6	n/a	0.00	10/7/2012	12:00AM	RR	No Water samples taken.
10/7/2012	7	n/a	0.00	10/14/2012	12:00AM	RR	
10/14/2012	7	n/a	0.00	10/21/2012	12:00AM	RR	
10/21/2012	7	n/a	0.00	10/28/2012	12:00AM	RR	
10/28/2012	4	n/a	0.00	11/1/2012	12:00AM	RR	
		n/a	0.00		12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month October-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: November-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
11/1/2012	3	n/a	0.00	11/4/2012	12:00AM	RR	
11/4/2012	7	n/a	0.00	11/11/2012	12:00AM	RR	
11/11/2012	7	n/a	0.00	11/18/2012	12:00AM	RR	
11/18/2012	7	n/a	0.00	11/25/2012	12:00AM	RR	
11/25/2012	6	n/a	0.00	12/1/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

November-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: November-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
11/1/2012	3	n/a	0.00	11/4/2012	12:00AM	RR	
11/4/2012	7	n/a	0.00	11/11/2012	12:00AM	RR	
11/11/2012	7	n/a	0.00	11/18/2012	12:00AM	RR	
11/18/2012	7	n/a	0.00	11/25/2012	12:00AM	RR	
11/25/2012	6	n/a	0.00	12/1/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

November-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: November-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
11/1/2012	3	n/a	0.00	11/4/2012	12:00AM	RR	No Water Samples Collected
11/4/2012	7	n/a	0.00	11/11/2012	12:00AM	RR	
11/11/2012	7	n/a	0.00	11/18/2012	12:00AM	RR	
11/18/2012	7	n/a	0.00	11/25/2012	12:00AM	RR	
11/25/2012	6	n/a	0.00	12/1/2012	12:00AM	RR	
	30		0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month November-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: November-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
11/1/2012	3	n/a	0.00	11/4/2012	12:00AM	RR	
11/4/2012	7	n/a	0.00	11/11/2012	12:00AM	RR	
11/11/2012	7	n/a	0.00	11/18/2012	12:00AM	RR	
11/18/2012	7	n/a	0.00	11/25/2012	12:00AM	RR	
11/25/2012	6	n/a	0.00	12/1/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month November-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: November-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
11/1/2012	3	n/a	0.00	11/4/2012	12:00AM	RR	
11/4/2012	7	n/a	0.00	11/11/2012	12:00AM	RR	
11/11/2012	7	n/a	0.00	11/18/2012	12:00AM	RR	
11/18/2012	7	n/a	0.00	11/25/2012	12:00AM	RR	
11/25/2012	6	n/a	0.00	12/1/2012	12:00AM	RR	
30		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month November-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: November-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
11/1/2012	3	n/a	0.00	11/4/2012	12:00AM	RR	
11/4/2012	7	n/a	0.00	11/11/2012	12:00AM	RR	
11/11/2012	7	n/a	0.00	11/18/2012	12:00AM	RR	
11/18/2012	7	n/a	0.00	11/25/2012	12:00AM	RR	
11/25/2012	6	n/a	0.00	12/1/2012	12:00AM	RR	
	30		0.00				

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month November-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: December-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-1: NW NW NW 2-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
12/1/2012	1	n/a	0.00	12/2/2012	12:00AM	RR	
12/2/2012	7	n/a	0.00	12/9/2012	12:00AM	RR	
12/9/2012	7	n/a	0.00	12/16/2012	12:00AM	RR	
12/16/2012	7	n/a	0.00	12/23/2012	12:00AM	RR	
12/23/2012	7	n/a	0.00	12/29/2012	12:00AM	RR	
12/30/2012	2	n/a	0.00	12/30/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

December-2012

Max pH	<input type="text" value="n/a"/>	Max Specific Conductance	<input type="text" value="n/a"/>	Max Turbidity	<input type="text" value="n/a"/>	Max Temperature	<input type="text" value="n/a"/>
Min pH	<input type="text" value="n/a"/>	Min Specific Conductance	<input type="text" value="n/a"/>	Min Turbidity	<input type="text" value="n/a"/>	Min Temperature	<input type="text" value="n/a"/>

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: December-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RB-2: NW NW NW 11-24-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
12/1/2012	1	n/a	0.00	12/2/2012	12:00AM	RR	
12/2/2012	7	n/a	0.00	12/9/2012	12:00AM	RR	
12/9/2012	7	n/a	0.00	12/16/2012	12:00AM	RR	
12/16/2012	7	n/a	0.00	12/23/2012	12:00AM	RR	
12/23/2012	7	n/a	0.00	12/29/2012	12:00AM	RR	
12/30/2012	2	n/a	0.00	12/30/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

December-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: December-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RRW-1: SW SW SW 12-23-3W
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
12/1/2012	1	n/a	0.00	12/2/2012	12:00AM	RR	No Water Samples Collected.
12/2/2012	7	n/a	0.00	12/9/2012	12:00AM	RR	
12/9/2012	7	n/a	0.00	12/16/2012	12:00AM	RR	
12/16/2012	7	n/a	0.00	12/23/2012	12:00AM	RR	
12/23/2012	7	n/a	0.00	12/29/2012	12:00AM	RR	
12/30/2012	2	n/a	0.00	12/30/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month December-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report

Month: December-2012

Permit No. KS 05-079-001

Return to Bureau of Water
UIC Unit, Geology Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Recharge Basin: **RRW-2: NE NE NE 23-23-3W**
Legal Description: RRW-1:SW SW SW 12-23-3W
RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
1815 W Pine Street
Wichita, KS 67203

RB-2: NW NW NW 11-24-3W

Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
17934 NW 12th Street
Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
12/1/2012	1	n/a	0.00	12/2/2012	12:00AM	RR	
12/2/2012	7	n/a	0.00	12/9/2012	12:00AM	RR	
12/9/2012	7	n/a	0.00	12/16/2012	12:00AM	RR	
12/16/2012	7	n/a	0.00	12/23/2012	12:00AM	RR	
12/23/2012	7	n/a	0.00	12/29/2012	12:00AM	RR	
12/30/2012	2	n/a	0.00	12/30/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month

December-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: December-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: **RRW-3: SW SW SW 24-23-W**
 Legal Description: RRW-1:SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
12/1/2012	1	n/a	0.00	12/2/2012	12:00AM	RR	
12/2/2012	7	n/a	0.00	12/9/2012	12:00AM	RR	
12/9/2012	7	n/a	0.00	12/16/2012	12:00AM	RR	
12/16/2012	7	n/a	0.00	12/23/2012	12:00AM	RR	
12/23/2012	7	n/a	0.00	12/29/2012	12:00AM	RR	
12/30/2012	2	n/a	0.00	12/30/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
n/a	n/a	MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month December-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording data for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

Class V Injection Well Monitoring Report
 Month: December-2012
 Permit No. KS 05-079-001

Return to Bureau of Water
 UIC Unit, Geology Section
 1000 SW Jackson Street, Suite 420
 Topeka, Kansas 66612-1367

Recharge Basin: RW-1: NW NW NW 36-23-3W
 Legal Description: RRW-1: SW SW SW 12-23-3W
 RRW-2: NE NE NE 23-23-3W, RRW-3: SW SW SW 24-23-W
 RW-1; NW NW NW 36-23-3W, RB-1: NW NW NW 2-24-3W

Company: City of Wichita Water & Sewer Department
 1815 W Pine Street
 Wichita, KS 67203

RB-2: NW NW NW 11-24-3W
 Well No: RRW-1, RRW-3, RW-1, and Recharge Basins RB-1, RB-2

Facility: Equus Beds Recharge Project Phase 1
 17934 NW 12th Street
 Burrton, KS

Weekly Monitoring Report:

Date Week Begins	Number of Days in Week	Injection Pressure (psig or inches vacuum)	Injection Volume (gals per week) 70,000,000 max.	Date of Reading	Time of Reading	Initials	Comments
12/1/2012	1	n/a	0.00	12/2/2012	12:00AM	RR	
12/2/2012	7	n/a	0.00	12/9/2012	12:00AM	RR	
12/9/2012	7	n/a	0.00	12/16/2012	12:00AM	RR	
12/16/2012	7	n/a	0.00	12/23/2012	12:00AM	RR	
12/23/2012	7	n/a	0.00	12/29/2012	12:00AM	RR	
12/30/2012	2	n/a	0.00	12/30/2012	12:00AM	RR	
31		0.00					

Monthly Monitoring Report:

Date Sample Collected	Time Sample Collected	Atrazine (<0.003 mg/L max)	Arsenic (<0.010 mg/L max)	Chloride (<250 mg/L max)	Hardness	Potassium, dissolved	Dissolved Solids	Carbonate, dissolved as CaCO ₃	Total Phosphorus as (P)	Manganese, dissolved	Escherichia coli (E. Coli) (Non-Detect)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	(MPN)/100ml
		MDL=0.00004	MDL=0.0001	MDL=5.0	MDL=1.0	MDL=0.30	MDL=10.0	MDL=0	MDL=0.03	MDL=0.005	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Suspended Solids	Alkalinity as CaCO ₃	Calcium, dissolved	Bicarbonate, dissolved as CaCO ₃	Nitrate as (N) (<10mg/L) Daily Max	Iron, dissolved	Triazine herbicide screen, dissolved	Comments
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL=4	MDL=2	MDL=0.50	MDL=2	MDL=0.01	MDL=0.10	MDL=0.0001	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Summary of Continuous Recording Data for the Month December-2012

Max pH	0.00	Max Specific Conductance	0.00	Max Turbidity	0.00	Max Temperature	0.00
Min pH	0.00	Min Specific Conductance	0.00	Min Turbidity	0.00	Min Temperature	0.00

(**This information shall be determined from review of all the continuous recording date for the entire month.)

I certify under penalty of law that this document and all corresponding documentation were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Debra Ary
 Superintendent Water Production & Pumping Division

7/31/2013

**APPENDIX D –
HISTORIC INDEX WELL WATER LEVEL DATA**

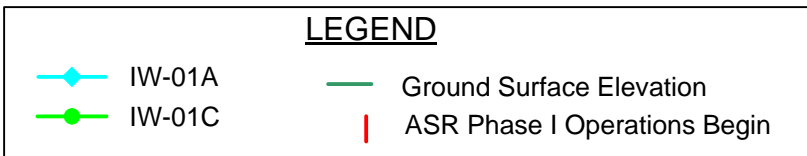
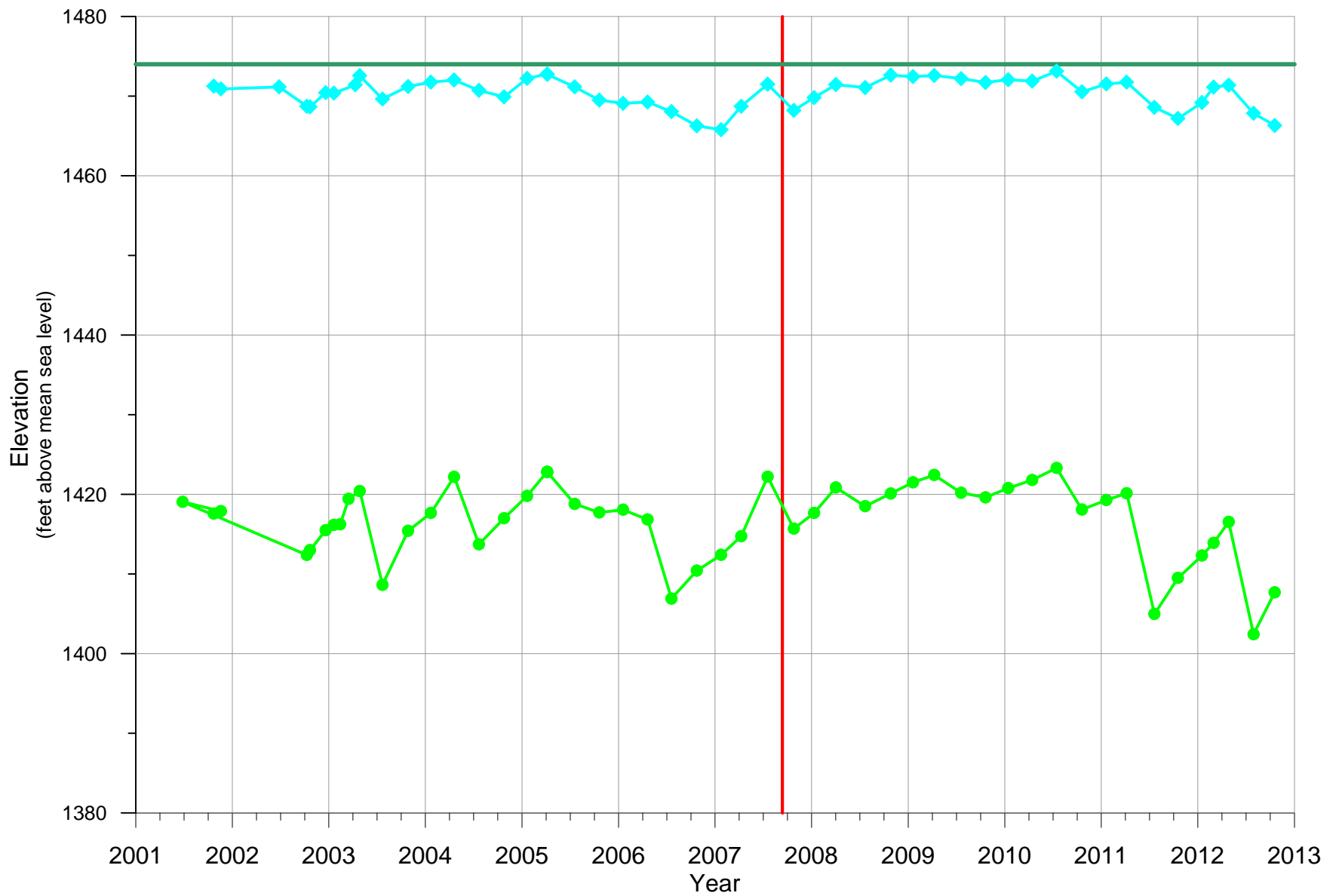


Figure D.1
 INDEX WELL HYDROGRAPHS
 IW-01A & IW01C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1100	TB	M-SCOPE	4.38		1.63	2.75	1471.25
19-Nov-2001	1050	TB	M-SCOPE	4.73		1.63	3.10	1470.90
27-Jun-2002	945	TB	M-SCOPE	4.47		1.63	2.84	1471.16
10-Oct-2002	1150	CM	M-SCOPE	6.90		1.63	5.27	1468.73
22-Oct-2002	1022	MTD	M-SCOPE	6.98		1.63	5.35	1468.65
20-Dec-2002	1056	DK	M-SCOPE	5.20	0.00	1.63	3.57	1470.43
20-Jan-2003	946	DK	M-SCOPE	5.26	0.00	1.63	3.63	1470.37
11-Apr-2003	923	DK	M-SCOPE	4.21	0.00	1.63	2.58	1471.42
28-Apr-2003	1028	TB	M-SCOPE	3.06	0.00	1.63	1.43	1472.57
23-Jul-2003	1032	TB	M-SCOPE	5.99	0.00	1.63	4.36	1469.64
28-Oct-2003	1048	TB	M-SCOPE	4.42	0.00	1.63	2.79	1471.21
22-Jan-2004	1452	TB	M-SCOPE	3.88	0.00	1.63	2.25	1471.75
19-Apr-2004	1125	TB	M-SCOPE	3.61	0.00	1.63	1.98	1472.02
22-Jul-2004	1018	TB	M-SCOPE	4.91	0.00	1.63	3.28	1470.72
25-Oct-2004	1105	TB	M-SCOPE	5.72	0.00	1.63	4.09	1469.91
20-Jan-2005	1032	TB	M-SCOPE	3.41	0.00	1.63	1.78	1472.22
06-Apr-2005	1157	TB	M-SCOPE	2.86	0.00	1.63	1.23	1472.77
07-Apr-2005	1007	TB	M-SCOPE	2.91	0.00	1.63	1.28	1472.72
19-Jul-2005	1051	TB	M-SCOPE	4.47	0.00	1.63	2.84	1471.16
20-Oct-2005	1601	TB	M-SCOPE	6.13	0.00	1.63	4.50	1469.50
18-Jan-2006	858	DR	M-SCOPE	6.54	0.00	1.63	4.91	1469.09
21-Apr-2006	1631	DR	M-SCOPE	6.37	0.00	1.63	4.74	1469.26
20-Jul-2006	1010	DR	M-SCOPE	7.58	0.00	1.63	5.95	1468.05
24-Oct-2006	922	DR	M-SCOPE	9.36	0.00	1.63	7.73	1466.27
24-Jan-2007	1136	DR	M-SCOPE	9.85	0.00	1.63	8.22	1465.78
10-Apr-2007	1349	DR	M-SCOPE	6.90	0.00	1.63	5.27	1468.73
19-Jul-2007	1016	DR	M-SCOPE	4.14	0.00	1.63	2.51	1471.49
26-Oct-2007	925	DR	M-SCOPE	7.42	0.00	1.63	5.79	1468.21
11-Jan-2008	1503	DR	M-SCOPE	5.81	0.00	1.63	4.18	1469.82
02-Apr-2008	1006	DR	M-SCOPE	4.18	0.00	1.63	2.55	1471.45
22-Jul-2008	1233	DR	M-SCOPE	4.55	0.00	1.63	2.92	1471.08
27-Oct-2008	1111	DR	M-SCOPE	3.00	0.00	1.63	1.37	1472.63
19-Jan-2009	904	DR	M-SCOPE	3.18	0.00	1.63	1.55	1472.45
09-Apr-2009	749	DR	M-SCOPE	3.04	0.00	1.63	1.41	1472.59
20-Jul-2009	937	DR	M-SCOPE	3.43	0.00	1.63	1.80	1472.20
20-Oct-2009	854	DR	M-SCOPE	3.92	0.00	1.63	2.29	1471.71
14-Jan-2010	1042	DR	M-SCOPE	3.57	0.00	1.63	1.94	1472.06
15-Apr-2010	905	DR	M-SCOPE	3.74	0.00	1.63	2.11	1471.89
16-Jul-2010	924	DR	M-SCOPE	2.50	0.00	1.63	0.87	1473.13
20-Oct-2010	907	DR	M-SCOPE	5.09	0.00	1.63	3.46	1470.54
20-Jan-2011	1327	DR	M-SCOPE	4.11	0.00	1.63	2.48	1471.52
07-Apr-2011	946	DR	M-SCOPE	3.88	0.00	1.63	2.25	1471.75
21-Jul-2011	1311	DR	M-SCOPE	7.04	0.00	1.63	5.41	1468.59
18-Oct-2011	952	DR	M-SCOPE	8.44	0.00	1.63	6.81	1467.19
17-Jan-2012	918	DR	M-SCOPE	6.43	0.00	1.63	4.80	1469.20
01-Mar-2012	1302	DR	M-SCOPE	4.49	0.00	1.63	2.86	1471.14
27-Apr-2012	1003	DR	M-SCOPE	4.26	0.00	1.63	2.63	1471.37
30-Jul-2012	1359	DR	M-SCOPE	7.79	0.00	1.63	6.16	1467.84
18-Oct-2012	938	DR	M-SCOPE	9.31	0.00	1.63	7.68	1466.32

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1055	TB	M-SCOPE	58.80		2.29	56.51	1417.59
19-Nov-2001	1235	TB	M-SCOPE	58.50		2.29	56.21	1417.89
27-Jun-2001	1205	TB	M-SCOPE	57.33		2.29	55.04	1419.06
10-Oct-2002	1155	CM	M-SCOPE	64.00		2.29	61.71	1412.39
22-Oct-2002	1026	MTD	M-SCOPE	63.40		2.29	61.11	1412.99
20-Dec-2002	1102	DK	M-SCOPE	60.90	0.00	2.29	58.61	1415.49
20-Jan-2003	950	DK	M-SCOPE	60.23	0.00	2.29	57.94	1416.16
13-Feb-2003	1222	DK	M-SCOPE	60.15	0.00	2.29	57.86	1416.24
17-Mar-2003	1200	DK	M-SCOPE	56.95	0.00	2.29	54.66	1419.44
28-Apr-2003	1028	TB	M-SCOPE	55.98	0.00	2.29	53.69	1420.41
23-Jul-2003	1033	TB	M-SCOPE	67.75	0.00	2.29	65.46	1408.64
28-Oct-2003	1049	TB	M-SCOPE	60.97	0.00	2.29	58.68	1415.42
22-Jan-2004	1453	TB	M-SCOPE	58.73	0.00	2.29	56.44	1417.66
19-Apr-2004	1126	TB	M-SCOPE	54.19	0.00	2.29	51.90	1422.20
22-Jul-2004	1018	TB	M-SCOPE	62.66	0.00	2.29	60.37	1413.73
25-Oct-2004	1106	TB	M-SCOPE	59.39	0.00	2.29	57.10	1417.00
20-Jan-2005	1033	TB	M-SCOPE	56.59	0.00	2.29	54.30	1419.80
06-Apr-2005	1157	TB	M-SCOPE	53.54	0.00	2.29	51.25	1422.85
07-Apr-2005	1008	TB	M-SCOPE	53.61	0.00	2.29	51.32	1422.78
19-Jul-2005	1051	TB	M-SCOPE	57.59	0.00	2.29	55.30	1418.80
20-Oct-2005	1602	TB	M-SCOPE	58.67	0.00	2.29	56.38	1417.72
18-Jan-2006	859	DR	M-SCOPE	58.32	0.00	2.29	56.03	1418.07
21-Apr-2006	1631	DR	M-SCOPE	59.55	0.00	2.29	57.26	1416.84
20-Jul-2006	1010	DR	M-SCOPE	69.48	0.00	2.29	67.19	1406.91
24-Oct-2006	922	DR	M-SCOPE	65.97	0.00	2.29	63.68	1410.42
24-Jan-2007	1136	DR	M-SCOPE	63.99	0.00	2.29	61.70	1412.40
10-Apr-2007	1349	DR	M-SCOPE	61.65	0.00	2.29	59.36	1414.74
19-Jul-2007	1017	DR	M-SCOPE	54.18	0.00	2.29	51.89	1422.21
26-Oct-2007	926	DR	M-SCOPE	60.70	0.00	2.29	58.41	1415.69
11-Jan-2008	1503	DR	M-SCOPE	58.72	0.00	2.29	56.43	1417.67
02-Apr-2008	1006	DR	M-SCOPE	55.53	0.00	2.29	53.24	1420.86
22-Jul-2008	1234	DR	M-SCOPE	57.88	0.00	2.29	55.59	1418.51
27-Oct-2008	1112	DR	M-SCOPE	56.28	0.00	2.29	53.99	1420.11
19-Jan-2009	903	DR	M-SCOPE	54.88	0.00	2.29	52.59	1421.51
09-Apr-2009	750	DR	M-SCOPE	53.96	0.00	2.29	51.67	1422.43
20-Jul-2009	937	DR	M-SCOPE	56.20	0.00	2.29	53.91	1420.19
20-Oct-2009	855	DR	M-SCOPE	56.77	0.00	2.29	54.48	1419.62
14-Jan-2010	1041	DR	M-SCOPE	55.61	0.00	2.29	53.32	1420.78
15-Apr-2010	905	DR	M-SCOPE	54.59	0.00	2.29	52.30	1421.80
16-Jul-2010	924	DR	M-SCOPE	53.08	0.00	2.29	50.79	1423.31
20-Oct-2010	907	DR	M-SCOPE	58.30	0.00	2.29	56.01	1418.09
20-Jan-2011	1327	DR	M-SCOPE	57.11	0.00	2.29	54.82	1419.28
07-Apr-2011	947	DR	M-SCOPE	56.25	0.00	2.29	53.96	1420.14
21-Jul-2011	1313	DR	M-SCOPE	71.41	0.00	2.29	69.12	1404.98
18-Oct-2011	952	DR	M-SCOPE	66.88	0.00	2.29	64.59	1409.51
17-Jan-2012	918	DR	M-SCOPE	64.08	0.00	2.29	61.79	1412.31
01-Mar-2012	1303	DR	M-SCOPE	62.48	0.00	2.29	60.19	1413.91
27-Apr-2012	1003	DR	M-SCOPE	59.85	0.00	2.29	57.56	1416.54
30-Jul-2012	1400	DR	M-SCOPE	73.95	0.00	2.29	71.66	1402.44
18-Oct-2012	939	DR	M-SCOPE	68.70	0.00	2.29	66.41	1407.69

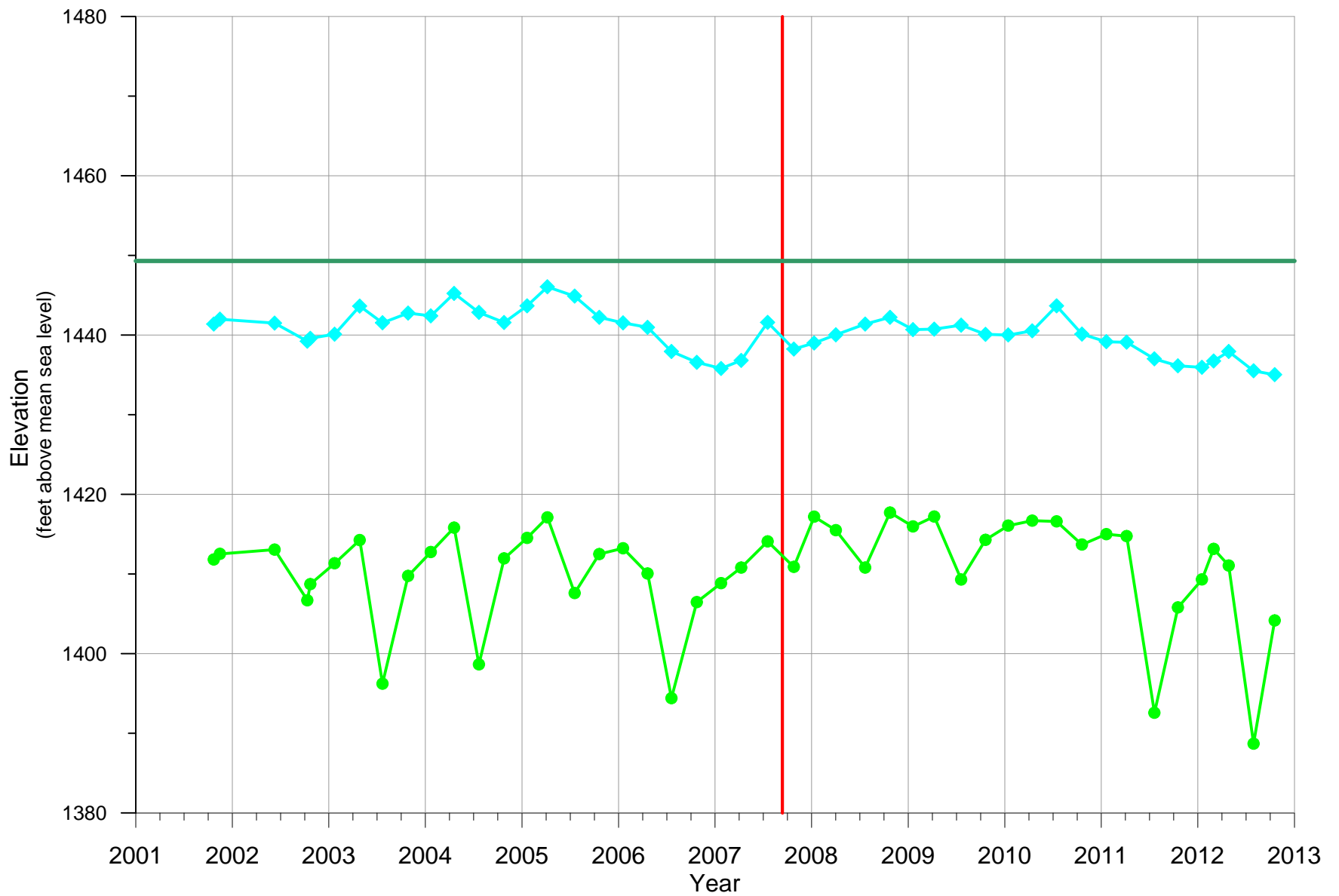


Figure D.2
 INDEX WELL HYDROGRAPHS
 IW-02A & IW02C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1020	TB	M-SCOPE	9.74		1.82	7.92	1441.38
15-Nov-2001	1040	TB	M-SCOPE	9.13		1.82	7.31	1441.99
10-Jun-2002	940	TB	M-SCOPE	9.62		1.82	7.80	1441.50
12-Oct-2002	1420	CM	M-SCOPE	11.89		1.82	10.07	1439.23
23-Oct-2002	1059	MTD	M-SCOPE	11.53		1.82	9.71	1439.59
23-Jan-2003	1521	TB	M-SCOPE	11.01	0.00	1.82	9.19	1440.11
28-Apr-2003	1044	TB	M-SCOPE	7.48	0.00	1.82	5.66	1443.64
23-Jul-2003	1050	TB	M-SCOPE	9.58	0.00	1.82	7.76	1441.54
28-Oct-2003	1106	TB	M-SCOPE	8.36	0.00	1.82	6.54	1442.76
22-Jan-2004	1507	TB	M-SCOPE	8.71	0.00	1.82	6.89	1442.41
19-Apr-2004	1142	TB	M-SCOPE	5.89	0.00	1.82	4.07	1445.23
22-Jul-2004	1032	TB	M-SCOPE	8.28	0.00	1.82	6.46	1442.84
25-Oct-2004	1124	TB	M-SCOPE	9.54	0.00	1.82	7.72	1441.58
20-Jan-2005	1050	TB	M-SCOPE	7.45	0.00	1.82	5.63	1443.67
07-Apr-2005	953	EB	M-SCOPE	5.07	0.00	1.82	3.25	1446.05
19-Jul-2005	1106	TB	M-SCOPE	6.23	0.00	1.82	4.41	1444.89
20-Oct-2005	1032	DR	M-SCOPE	8.89	0.00	1.82	7.07	1442.23
18-Jan-2006	913	DR	M-SCOPE	9.59	0.00	1.82	7.77	1441.53
21-Apr-2006	1618	DR	M-SCOPE	10.15	0.00	1.82	8.33	1440.97
20-Jul-2006	1024	DR	M-SCOPE	13.18	0.00	1.82	11.36	1437.94
24-Oct-2006	1006	DR	M-SCOPE	14.54	0.00	1.82	12.72	1436.58
24-Jan-2007	1123	DR	M-SCOPE	15.32	0.00	1.82	13.50	1435.80
10-Apr-2007	1407	DR	M-SCOPE	14.30	0.00	1.82	12.48	1436.82
19-Jul-2007	1041	DR	M-SCOPE	9.53	0.00	1.82	7.71	1441.59
26-Oct-2007	950	DR	M-SCOPE	12.88	0.00	1.82	11.06	1438.24
11-Jan-2008	1513	DR	M-SCOPE	12.12	0.00	1.82	10.30	1439.00
02-Apr-2008	1019	DR	M-SCOPE	11.09	0.00	1.82	9.27	1440.03
22-Jul-2008	1258	DR	M-SCOPE	9.74	0.00	1.82	7.92	1441.38
24-Oct-2008	921	DR	M-SCOPE	8.89	0.00	1.82	7.07	1442.23
19-Jan-2009	917	DR	M-SCOPE	10.44	0.00	1.82	8.62	1440.68
09-Apr-2009	826	DR	M-SCOPE	10.38	0.00	1.82	8.56	1440.74
20-Jul-2009	1045	DR	M-SCOPE	9.88	0.00	1.82	8.06	1441.24
20-Oct-2009	918	DR	M-SCOPE	11.03	0.00	1.82	9.21	1440.09
14-Jan-2010	1058	DR	M-SCOPE	11.11	0.00	1.82	9.29	1440.01
15-Apr-2010	928	DR	M-SCOPE	10.59	0.00	1.82	8.77	1440.53
16-Jul-2010	947	DR	M-SCOPE	7.46	0.00	1.82	5.64	1443.66
20-Oct-2010	932	DR	M-SCOPE	11.00	0.00	1.82	9.18	1440.12
20-Jan-2011	1346	DR	M-SCOPE	11.96	0.00	1.82	10.14	1439.16
07-Apr-2011	1009	DR	M-SCOPE	12.02	0.00	1.82	10.20	1439.10
21-Jul-2011	1354	DR	M-SCOPE	14.11	0.00	1.82	12.29	1437.01
18-Oct-2011	1002	DR	M-SCOPE	14.98	0.00	1.82	13.16	1436.14
17-Jan-2012	932	DR	M-SCOPE	15.17	0.00	1.82	13.35	1435.95
01-Mar-2012	1320	DR	M-SCOPE	14.38	0.00	1.82	12.56	1436.74
27-Apr-2012	1007	DR	M-SCOPE	13.19	0.00	1.82	11.37	1437.93
30-Jul-2012	1415	DR	M-SCOPE	15.61	0.00	1.82	13.79	1435.51
18-Oct-2012	954	DR	M-SCOPE	16.10	0.00	1.82	14.28	1435.02

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1010	TB	M-SCOPE	39.58		1.90	37.68	1411.82
15-Nov-2001	1215	TB	M-SCOPE	38.88		1.90	36.98	1412.52
10-Jun-2002	1150	TB	M-SCOPE	38.34		1.90	36.44	1413.06
12-Oct-2002	1425	CM	M-SCOPE	44.70		1.90	42.80	1406.70
23-Oct-2002	1102	MTD	M-SCOPE	42.67		1.90	40.77	1408.73
23-Jan-2003	1522	TB	M-SCOPE	40.06	0.00	1.90	38.16	1411.34
28-Apr-2003	1045	TB	M-SCOPE	37.14	0.00	1.90	35.24	1414.26
23-Jul-2003	1051	TB	M-SCOPE	55.17	0.00	1.90	53.27	1396.23
28-Oct-2003	1107	TB	M-SCOPE	41.65	0.00	1.90	39.75	1409.75
22-Jan-2004	1507	TB	M-SCOPE	38.65	0.00	1.90	36.75	1412.75
19-Apr-2004	1143	TB	M-SCOPE	35.58	0.00	1.90	33.68	1415.82
22-Jul-2004	1032	TB	M-SCOPE	52.75	0.00	1.90	50.85	1398.65
25-Oct-2004	1125	TB	M-SCOPE	39.45	0.00	1.90	37.55	1411.95
20-Jan-2005	1050	TB	M-SCOPE	36.87	0.00	1.90	34.97	1414.53
07-Apr-2005	954	EB	M-SCOPE	34.29	0.00	1.90	32.39	1417.11
19-Jul-2005	1107	TB	M-SCOPE	43.80	0.00	1.90	41.90	1407.60
20-Oct-2005	1032	DR	M-SCOPE	38.90	0.00	1.90	37.00	1412.50
18-Jan-2006	914	DR	M-SCOPE	38.17	0.00	1.90	36.27	1413.23
21-Apr-2006	1618	DR	M-SCOPE	41.34	0.00	1.90	39.44	1410.06
20-Jul-2006	1023	DR	M-SCOPE	56.99	0.00	1.90	55.09	1394.41
24-Oct-2006	1007	DR	M-SCOPE	44.93	0.00	1.90	43.03	1406.47
24-Jan-2007	1124	DR	M-SCOPE	42.55	0.00	1.90	40.65	1408.85
10-Apr-2007	1407	DR	M-SCOPE	40.60	0.00	1.90	38.70	1410.80
19-Jul-2007	1041	DR	M-SCOPE	37.31	0.00	1.90	35.41	1414.09
26-Oct-2007	949	DR	M-SCOPE	40.51	0.00	1.90	38.61	1410.89
11-Jan-2008	1514	DR	M-SCOPE	34.21	0.00	1.90	32.31	1417.19
02-Apr-2008	1019	DR	M-SCOPE	35.90	0.00	1.90	34.00	1415.50
22-Jul-2008	1259	DR	M-SCOPE	40.60	0.00	1.90	38.70	1410.80
24-Oct-2008	921	DR	M-SCOPE	33.69	0.00	1.90	31.79	1417.71
19-Jan-2009	918	DR	M-SCOPE	35.44	0.00	1.90	33.54	1415.96
09-Apr-2009	827	DR	M-SCOPE	34.19	0.00	1.90	32.29	1417.21
20-Jul-2009	1046	DR	M-SCOPE	42.10	0.00	1.90	40.20	1409.30
20-Oct-2009	918	DR	M-SCOPE	37.11	0.00	1.90	35.21	1414.29
14-Jan-2010	1058	DR	M-SCOPE	35.33	0.00	1.90	33.43	1416.07
15-Apr-2010	928	DR	M-SCOPE	34.70	0.00	1.90	32.80	1416.70
16-Jul-2010	947	DR	M-SCOPE	34.80	0.00	1.90	32.90	1416.60
20-Oct-2010	932	DR	M-SCOPE	37.71	0.00	1.90	35.81	1413.69
20-Jan-2011	1346	DR	M-SCOPE	36.40	0.00	1.90	34.50	1415.00
07-Apr-2011	1009	DR	M-SCOPE	36.65	0.00	1.90	34.75	1414.75
21-Jul-2011	1354	DR	M-SCOPE	58.83	0.00	1.90	56.93	1392.57
18-Oct-2011	1002	DR	M-SCOPE	45.60	0.00	1.90	43.70	1405.80
17-Jan-2012	933	DR	M-SCOPE	42.09	0.00	1.90	40.19	1409.31
01-Mar-2012	1320	DR	M-SCOPE	38.25	0.00	1.90	36.35	1413.15
27-Apr-2012	1007	DR	M-SCOPE	40.34	0.00	1.90	38.44	1411.06
30-Jul-2012	1415	DR	M-SCOPE	62.70	0.00	1.90	60.80	1388.70
18-Oct-2012	954	DR	M-SCOPE	47.23	0.00	1.90	45.33	1404.17

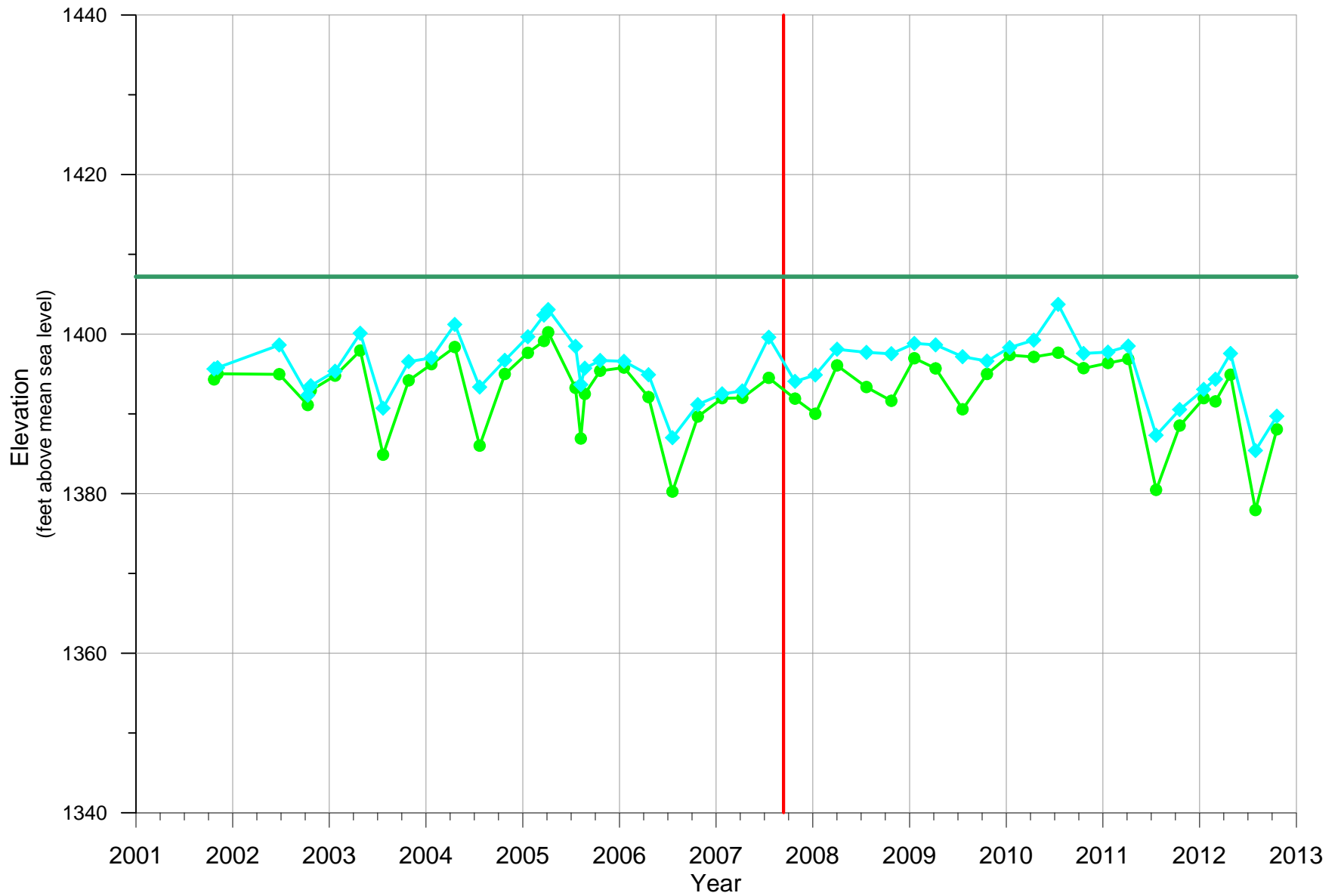


Figure D.3
 INDEX WELL HYDROGRAPHS
 IW-03A & IW03C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1135	TB	M-SCOPE	13.08		1.51	11.57	1395.63
05-Nov-2001	1100	TB	M-SCOPE	12.92		1.51	11.41	1395.79
26-Jun-2002	950	TB	M-SCOPE	10.08		1.51	8.57	1398.63
12-Oct-2002	1440	CM	M-SCOPE	16.38		1.51	14.87	1392.33
23-Oct-2002	1114	MTD	M-SCOPE	15.18		1.51	13.67	1393.53
23-Jan-2003	1534	TB	M-SCOPE	13.36	0.00	1.51	11.85	1395.35
28-Apr-2003	1059	TB	M-SCOPE	8.60	0.00	1.51	7.09	1400.11
23-Jul-2003	1101	TB	M-SCOPE	18.00	0.00	1.51	16.49	1390.71
28-Oct-2003	1119	TB	M-SCOPE	12.16	0.00	1.51	10.65	1396.55
22-Jan-2004	1517	TB	M-SCOPE	11.69	0.00	1.51	10.18	1397.02
19-Apr-2004	1159	TB	M-SCOPE	7.50	0.00	1.51	5.99	1401.21
22-Jul-2004	1044	TB	M-SCOPE	15.35	0.00	1.51	13.84	1393.36
25-Oct-2004	1136	TB	M-SCOPE	12.00	0.00	1.51	10.49	1396.71
20-Jan-2005	1109	TB	M-SCOPE	9.04	0.00	1.51	7.53	1399.67
22-Mar-2005	948	TB	M-SCOPE	6.34	0.00	1.51	4.83	1402.37
07-Apr-2005	845	TB	M-SCOPE	5.63	0.00	1.51	4.12	1403.08
19-Jul-2005	1141	TB	M-SCOPE	10.24	0.00	1.51	8.73	1398.47
08-Aug-2005	1323	TB	M-SCOPE	15.05	0.00	1.51	13.54	1393.66
23-Aug-2005	1549	TB	M-SCOPE	12.99	0.00	1.51	11.48	1395.72
20-Oct-2005	1011	DR	M-SCOPE	12.01	0.00	1.51	10.50	1396.70
18-Jan-2006	926	DR	M-SCOPE	12.12	0.00	1.51	10.61	1396.59
21-Apr-2006	1553	DR	M-SCOPE	13.81	0.00	1.51	12.30	1394.90
20-Jul-2006	1033	DR	M-SCOPE	21.70	0.00	1.51	20.19	1387.01
24-Oct-2006	956	DR	M-SCOPE	17.54	0.00	1.51	16.03	1391.17
24-Jan-2007	1039	DR	M-SCOPE	16.20	0.00	1.51	14.69	1392.51
10-Apr-2007	1415	DR	M-SCOPE	15.83	0.00	1.51	14.32	1392.88
19-Jul-2007	1104	DR	M-SCOPE	9.10	0.00	1.51	7.59	1399.61
26-Oct-2007	959	DR	M-SCOPE	14.64	0.00	1.51	13.13	1394.07
11-Jan-2008	1532	DR	M-SCOPE	13.83	0.00	1.51	12.32	1394.88
02-Apr-2008	1037	DR	M-SCOPE	10.61	0.00	1.51	9.10	1398.10
22-Jul-2008	1312	DR	M-SCOPE	11.00	0.00	1.51	9.49	1397.71
24-Oct-2008	1012	DR	M-SCOPE	11.17	0.00	1.51	9.66	1397.54
19-Jan-2009	950	DR	M-SCOPE	9.88	0.00	1.51	8.37	1398.83
09-Apr-2009	930	DR	M-SCOPE	10.06	0.00	1.51	8.55	1398.65
20-Jul-2009	1136	DR	M-SCOPE	11.54	0.00	1.51	10.03	1397.17
20-Oct-2009	930	DR	M-SCOPE	12.09	0.00	1.51	10.58	1396.62
14-Jan-2010	1110	DR	M-SCOPE	10.39	0.00	1.51	8.88	1398.32
15-Apr-2010	939	DR	M-SCOPE	9.47	0.00	1.51	7.96	1399.24
16-Jul-2010	958	DR	M-SCOPE	4.98	0.00	1.51	3.47	1403.73
20-Oct-2010	1058	DR	M-SCOPE	11.13	0.00	1.51	9.62	1397.58
20-Jan-2011	1416	DR	M-SCOPE	10.97	0.00	1.51	9.46	1397.74
07-Apr-2011	1020	DR	M-SCOPE	10.21	0.00	1.51	8.70	1398.50
21-Jul-2011	1402	DR	M-SCOPE	21.39	0.00	1.51	19.88	1387.32
18-Oct-2011	1017	DR	M-SCOPE	18.17	0.00	1.51	16.66	1390.54
17-Jan-2012	941	DR	M-SCOPE	15.63	0.00	1.51	14.12	1393.08
01-Mar-2012	1352	DR	M-SCOPE	14.37	0.00	1.51	12.86	1394.34
27-Apr-2012	1050	DR	M-SCOPE	11.13	0.00	1.51	9.62	1397.58
30-Jul-2012	1442	DR	M-SCOPE	23.30	0.00	1.51	21.79	1385.41
19-Oct-2012	1127	DR	M-SCOPE	19.00	0.00	1.51	17.49	1389.71

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1125	TB	M-SCOPE	14.84		1.76	13.08	1394.32
05-Nov-2001	1230	TB	M-SCOPE	14.13		1.76	12.37	1395.03
26-Jun-2002	1150	TB	M-SCOPE	14.20		1.76	12.44	1394.96
12-Oct-2002	1445	CM	M-SCOPE	18.05		1.76	16.29	1391.11
23-Oct-2002	1116	MTD	M-SCOPE	16.22		1.76	14.46	1392.94
23-Jan-2003	1535	TB	M-SCOPE	14.37	0.00	1.76	12.61	1394.79
28-Apr-2003	1100	TB	M-SCOPE	11.23	0.00	1.76	9.47	1397.93
23-Jul-2003	1102	TB	M-SCOPE	24.29	0.00	1.76	22.53	1384.87
28-Oct-2003	1118	TB	M-SCOPE	14.97	0.00	1.76	13.21	1394.19
22-Jan-2004	1518	TB	M-SCOPE	12.93	0.00	1.76	11.17	1396.23
19-Apr-2004	1200	TB	M-SCOPE	10.79	0.00	1.76	9.03	1398.37
22-Jul-2004	1045	TB	M-SCOPE	23.15	0.00	1.76	21.39	1386.01
25-Oct-2004	1136	TB	M-SCOPE	14.17	0.00	1.76	12.41	1394.99
20-Jan-2005	1110	TB	M-SCOPE	11.51	0.00	1.76	9.75	1397.65
22-Mar-2005	948	TB	M-SCOPE	10.02	0.00	1.76	8.26	1399.14
07-Apr-2005	845	TB	M-SCOPE	8.94	0.00	1.76	7.18	1400.22
19-Jul-2005	1142	TB	M-SCOPE	15.90	0.00	1.76	14.14	1393.26
08-Aug-2005	1324	TB	M-SCOPE	22.25	0.00	1.76	20.49	1386.91
23-Aug-2005	1550	TB	M-SCOPE	16.66	0.00	1.76	14.90	1392.50
20-Oct-2005	1012	DR	M-SCOPE	13.76	0.00	1.76	12.00	1395.40
18-Jan-2006	928	DR	M-SCOPE	13.36	0.00	1.76	11.60	1395.80
21-Apr-2006	1554	DR	M-SCOPE	17.06	0.00	1.76	15.30	1392.10
20-Jul-2006	1032	DR	M-SCOPE	28.90	0.00	1.76	27.14	1380.26
24-Oct-2006	957	DR	M-SCOPE	19.50	0.00	1.76	17.74	1389.66
24-Jan-2007	1039	DR	M-SCOPE	17.20	0.00	1.76	15.44	1391.96
10-Apr-2007	1415	DR	M-SCOPE	17.15	0.00	1.76	15.39	1392.01
19-Jul-2007	1104	DR	M-SCOPE	14.65	0.00	1.76	12.89	1394.51
26-Oct-2007	1000	DR	M-SCOPE	17.26	0.00	1.76	15.50	1391.90
11-Jan-2008	1532	DR	M-SCOPE	19.15	0.00	1.76	17.39	1390.01
02-Apr-2008	1037	DR	M-SCOPE	13.09	0.00	1.76	11.33	1396.07
22-Jul-2008	1313	DR	M-SCOPE	15.80	0.00	1.76	14.04	1393.36
24-Oct-2008	1012	DR	M-SCOPE	17.52	0.00	1.76	15.76	1391.64
19-Jan-2009	950	DR	M-SCOPE	12.19	0.00	1.76	10.43	1396.97
09-Apr-2009	930	DR	M-SCOPE	13.46	0.00	1.76	11.70	1395.70
20-Jul-2009	1137	DR	M-SCOPE	18.58	0.00	1.76	16.82	1390.58
20-Oct-2009	930	DR	M-SCOPE	14.17	0.00	1.76	12.41	1394.99
14-Jan-2010	1110	DR	M-SCOPE	11.79	0.00	1.76	10.03	1397.37
15-Apr-2010	938	DR	M-SCOPE	12.02	0.00	1.76	10.26	1397.14
16-Jul-2010	958	DR	M-SCOPE	11.50	0.00	1.76	9.74	1397.66
20-Oct-2010	1059	DR	M-SCOPE	13.44	0.00	1.76	11.68	1395.72
20-Jan-2011	1416	DR	M-SCOPE	12.79	0.00	1.76	11.03	1396.37
07-Apr-2011	1020	DR	M-SCOPE	12.28	0.00	1.76	10.52	1396.88
21-Jul-2011	1403	DR	M-SCOPE	28.70	0.00	1.76	26.94	1380.46
18-Oct-2011	1017	DR	M-SCOPE	20.64	0.00	1.76	18.88	1388.52
17-Jan-2012	941	DR	M-SCOPE	17.20	0.00	1.76	15.44	1391.96
01-Mar-2012	1352	DR	M-SCOPE	17.60	0.00	1.76	15.84	1391.56
27-Apr-2012	1050	DR	M-SCOPE	14.25	0.00	1.76	12.49	1394.91
30-Jul-2012	1442	DR	M-SCOPE	31.22	0.00	1.76	29.46	1377.94
19-Oct-2012	1127	DR	M-SCOPE	21.10	0.00	1.76	19.34	1388.06

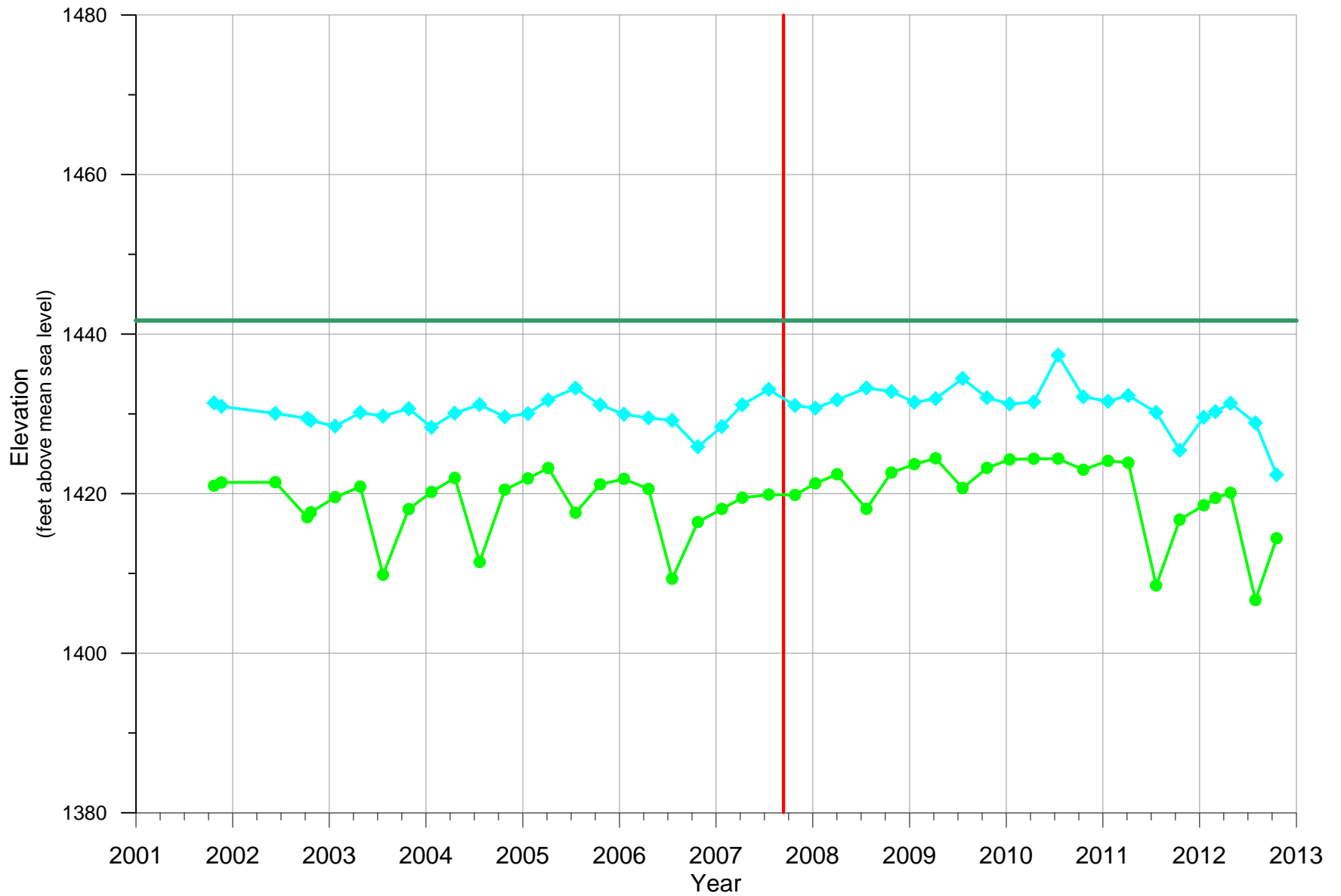


Figure D.4
 INDEX WELL HYDROGRAPHS
 IW-04A & IW04C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1250	TB	M-SCOPE	12.10		1.77	10.33	1431.37
20-Nov-2001	1100	TB	M-SCOPE	12.54		1.77	10.77	1430.93
11-Jun-2002	1030	TB	M-SCOPE	13.41		1.77	11.64	1430.06
10-Oct-2002	1220	CM	M-SCOPE	14.02		1.77	12.25	1429.45
23-Oct-2002	1155	MTD	M-SCOPE	14.30		1.77	12.53	1429.17
23-Jan-2003	1450	TB	M-SCOPE	15.01	0.00	1.77	13.24	1428.46
28-Apr-2003	1139	TB	M-SCOPE	13.31	0.00	1.77	11.54	1430.16
23-Jul-2003	1146	TB	M-SCOPE	13.74	0.00	1.77	11.97	1429.73
28-Oct-2003	1155	TB	M-SCOPE	12.82	0.00	1.77	11.05	1430.65
22-Jan-2004	1557	TB	M-SCOPE	15.15	0.00	1.77	13.38	1428.32
19-Apr-2004	1256	TB	M-SCOPE	13.38	0.00	1.77	11.61	1430.09
22-Jul-2004	1134	TB	M-SCOPE	12.31	0.00	1.77	10.54	1431.16
25-Oct-2004	1246	TB	M-SCOPE	13.84	0.00	1.77	12.07	1429.63
20-Jan-2005	1207	TB	M-SCOPE	13.44	0.00	1.77	11.67	1430.03
07-Apr-2005	1034	TB	M-SCOPE	11.73	0.00	1.77	9.96	1431.74
19-Jul-2005	1246	TB	M-SCOPE	10.24	0.00	1.77	8.47	1433.23
20-Oct-2005	1121	DR	M-SCOPE	12.34	0.00	1.77	10.57	1431.13
18-Jan-2006	1002	DR	M-SCOPE	13.51	0.00	1.77	11.74	1429.96
21-Apr-2006	1456	DR	M-SCOPE	13.98	0.00	1.77	12.21	1429.49
19-Jul-2006	1433	DR	M-SCOPE	14.27	0.00	1.77	12.50	1429.20
24-Oct-2006	1136	DR	M-SCOPE	17.60	0.00	1.77	15.83	1425.87
23-Jan-2007	1641	DR	M-SCOPE	15.05	0.00	1.77	13.28	1428.42
10-Apr-2007	940	DR	M-SCOPE	12.32	0.00	1.77	10.55	1431.15
19-Jul-2007	1129	DR	M-SCOPE	10.40	0.00	1.77	8.63	1433.07
26-Oct-2007	1037	DR	M-SCOPE	12.43	0.00	1.77	10.66	1431.04
11-Jan-2008	1408	DR	M-SCOPE	12.74	0.00	1.77	10.97	1430.73
02-Apr-2008	1204	DR	M-SCOPE	11.71	0.00	1.77	9.94	1431.76
22-Jul-2008	1402	DR	M-SCOPE	10.22	0.00	1.77	8.45	1433.25
24-Oct-2008	1101	DR	M-SCOPE	10.67	0.00	1.77	8.90	1432.80
19-Jan-2009	1019	DR	M-SCOPE	12.02	0.00	1.77	10.25	1431.45
09-Apr-2009	1008	DR	M-SCOPE	11.56	0.00	1.77	9.79	1431.91
20-Jul-2009	1223	DR	M-SCOPE	9.04	0.00	1.77	7.27	1434.43
20-Oct-2009	1009	DR	M-SCOPE	11.44	0.00	1.77	9.67	1432.03
14-Jan-2010	1146	DR	M-SCOPE	12.22	0.00	1.77	10.45	1431.25
15-Apr-2010	1123	DR	M-SCOPE	11.98	0.00	1.77	10.21	1431.49
16-Jul-2010	1030	DR	M-SCOPE	6.11	0.00	1.77	4.34	1437.36
19-Oct-2010	1535	DR	M-SCOPE	11.33	0.00	1.77	9.56	1432.14
20-Jan-2011	1516	DR	M-SCOPE	11.89	0.00	1.77	10.12	1431.58
07-Apr-2011	1201	DR	M-SCOPE	11.17	0.00	1.77	9.40	1432.30
21-Jul-2011	1436	DR	M-SCOPE	13.29	0.00	1.77	11.52	1430.18
18-Oct-2011	1107	DR	M-SCOPE	18.03	0.00	1.77	16.26	1425.44
17-Jan-2012	1324	DR	M-SCOPE	13.90	0.00	1.77	12.13	1429.57
01-Mar-2012	1502	DR	M-SCOPE	13.19	0.00	1.77	11.42	1430.28
27-Apr-2012	1209	DR	M-SCOPE	12.14	0.00	1.77	10.37	1431.33
30-Jul-2012	1507	DR	M-SCOPE	14.60	0.00	1.77	12.83	1428.87
18-Oct-2012	1033	DR	M-SCOPE	21.11	0.00	1.77	19.34	1422.36

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1245	TB	M-SCOPE	23.14		1.84	21.30	1421.00
20-Nov-2001	1255	TB	M-SCOPE	22.73		1.84	20.89	1421.41
11-Jun-2002	1300	TB	M-SCOPE	22.71		1.84	20.87	1421.43
10-Oct-2002	1225	CM	M-SCOPE	27.10		1.84	25.26	1417.04
23-Oct-2002	1200	MTD	M-SCOPE	26.47		1.84	24.63	1417.67
23-Jan-2003	1451	TB	M-SCOPE	24.59	0.00	1.84	22.75	1419.55
28-Apr-2003	1140	TB	M-SCOPE	23.27	0.00	1.84	21.43	1420.87
23-Jul-2003	1146	TB	M-SCOPE	34.31	0.00	1.84	32.47	1409.83
28-Oct-2003	1155	TB	M-SCOPE	26.08	0.00	1.84	24.24	1418.06
22-Jan-2004	1557	TB	M-SCOPE	23.93	0.00	1.84	22.09	1420.21
19-Apr-2004	1257	TB	M-SCOPE	22.17	0.00	1.84	20.33	1421.97
22-Jul-2004	1134	TB	M-SCOPE	32.71	0.00	1.84	30.87	1411.43
25-Oct-2004	1246	TB	M-SCOPE	23.65	0.00	1.84	21.81	1420.49
20-Jan-2005	1208	TB	M-SCOPE	22.23	0.00	1.84	20.39	1421.91
07-Apr-2005	1035	TB	M-SCOPE	20.93	0.00	1.84	19.09	1423.21
19-Jul-2005	1247	TB	M-SCOPE	26.54	0.00	1.84	24.70	1417.60
20-Oct-2005	1121	DR	M-SCOPE	22.97	0.00	1.84	21.13	1421.17
18-Jan-2006	1003	DR	M-SCOPE	22.30	0.00	1.84	20.46	1421.84
21-Apr-2006	1456	DR	M-SCOPE	23.55	0.00	1.84	21.71	1420.59
19-Jul-2006	1434	DR	M-SCOPE	34.80	0.00	1.84	32.96	1409.34
24-Oct-2006	1136	DR	M-SCOPE	27.70	0.00	1.84	25.86	1416.44
23-Jan-2007	1641	DR	M-SCOPE	26.05	0.00	1.84	24.21	1418.09
10-Apr-2007	941	DR	M-SCOPE	24.65	0.00	1.84	22.81	1419.49
19-Jul-2007	1129	DR	M-SCOPE	24.25	0.00	1.84	22.41	1419.89
26-Oct-2007	1037	DR	M-SCOPE	24.31	0.00	1.84	22.47	1419.83
11-Jan-2008	1407	DR	M-SCOPE	22.85	0.00	1.84	21.01	1421.29
02-Apr-2008	1204	DR	M-SCOPE	21.71	0.00	1.84	19.87	1422.43
22-Jul-2008	1401	DR	M-SCOPE	26.05	0.00	1.84	24.21	1418.09
24-Oct-2008	1101	DR	M-SCOPE	21.50	0.00	1.84	19.66	1422.64
19-Jan-2009	1020	DR	M-SCOPE	20.45	0.00	1.84	18.61	1423.69
09-Apr-2009	1008	DR	M-SCOPE	19.71	0.00	1.84	17.87	1424.43
20-Jul-2009	1223	DR	M-SCOPE	23.44	0.00	1.84	21.60	1420.70
20-Oct-2009	1009	DR	M-SCOPE	20.92	0.00	1.84	19.08	1423.22
14-Jan-2010	1146	DR	M-SCOPE	19.85	0.00	1.84	18.01	1424.29
15-Apr-2010	1124	DR	M-SCOPE	19.77	0.00	1.84	17.93	1424.37
16-Jul-2010	1031	DR	M-SCOPE	19.75	0.00	1.84	17.91	1424.39
19-Oct-2010	1534	DR	M-SCOPE	21.14	0.00	1.84	19.30	1423.00
20-Jan-2011	1516	DR	M-SCOPE	20.03	0.00	1.84	18.19	1424.11
07-Apr-2011	1200	DR	M-SCOPE	20.26	0.00	1.84	18.42	1423.88
21-Jul-2011	1436	DR	M-SCOPE	35.65	0.00	1.84	33.81	1408.49
18-Oct-2011	1107	DR	M-SCOPE	27.40	0.00	1.84	25.56	1416.74
17-Jan-2012	1324	DR	M-SCOPE	25.60	0.00	1.84	23.76	1418.54
01-Mar-2012	1502	DR	M-SCOPE	24.69	0.00	1.84	22.85	1419.45
27-Apr-2012	1209	DR	M-SCOPE	24.03	0.00	1.84	22.19	1420.11
30-Jul-2012	1507	DR	M-SCOPE	37.47	0.00	1.84	35.63	1406.67
18-Oct-2012	1033	DR	M-SCOPE	29.74	0.00	1.84	27.90	1414.40

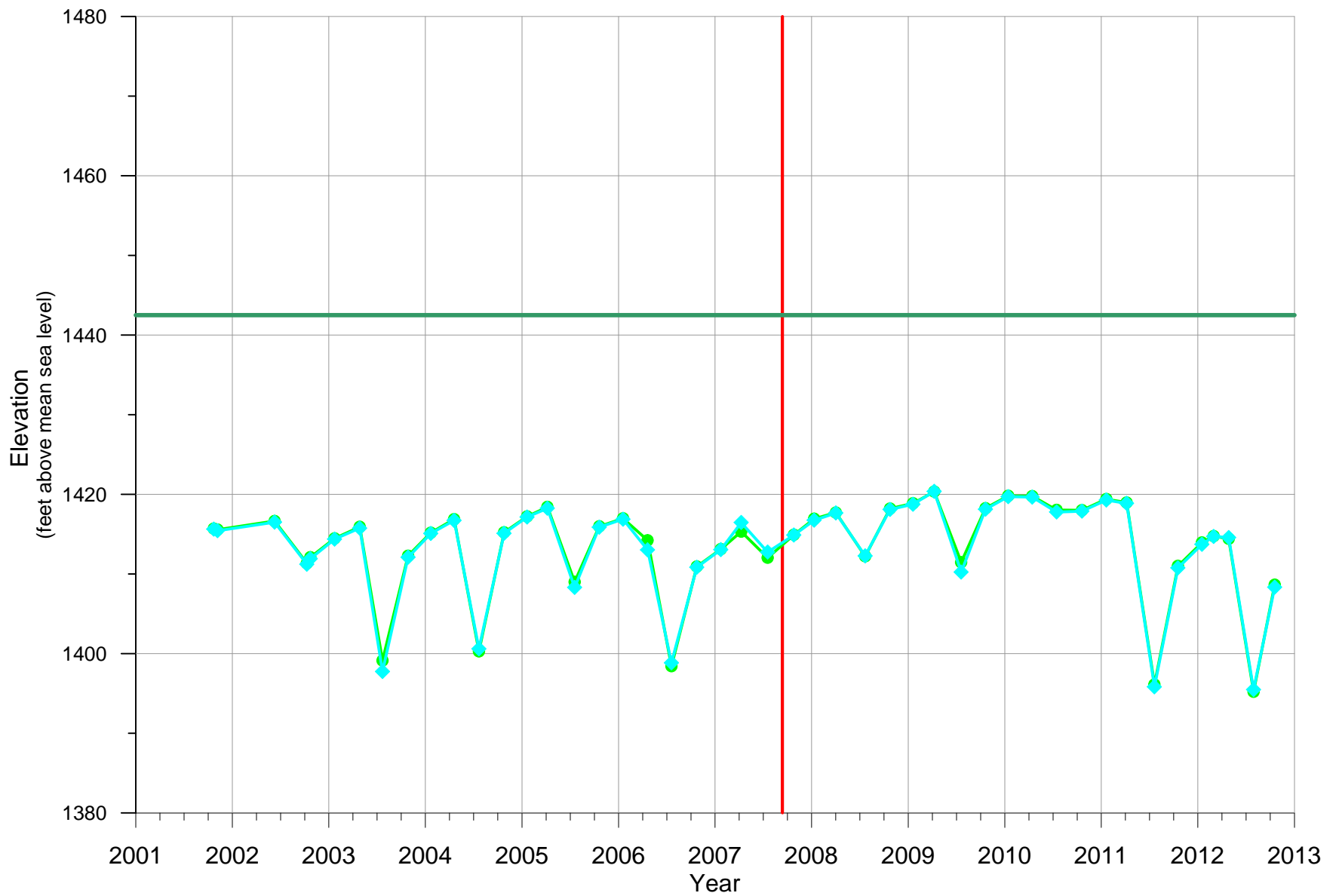


Figure D.5
 INDEX WELL HYDROGRAPHS
 IW-05A & IW05C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1305	TB	M-SCOPE	28.33		1.46	26.87	1415.63
06-Nov-2001	1030	TB	M-SCOPE	28.53		1.46	27.07	1415.43
10-Jun-2002	945	TB	M-SCOPE	27.45		1.46	25.99	1416.51
10-Oct-2002	1355	CM	M-SCOPE	32.73		1.46	31.27	1411.23
23-Oct-2002	1144	MTD	M-SCOPE	32.04		1.46	30.58	1411.92
23-Jan-2003	1504	TB	M-SCOPE	29.58	0.00	1.46	28.12	1414.38
28-Apr-2003	1126	TB	M-SCOPE	28.20	0.00	1.46	26.74	1415.76
23-Jul-2003	1137	TB	M-SCOPE	46.21	0.00	1.46	44.75	1397.75
28-Oct-2003	1143	TB	M-SCOPE	31.86	0.00	1.46	30.40	1412.10
22-Jan-2004	1544	TB	M-SCOPE	28.87	0.00	1.46	27.41	1415.09
19-Apr-2004	1244	TB	M-SCOPE	27.23	0.00	1.46	25.77	1416.73
22-Jul-2004	1124	TB	M-SCOPE	43.35	0.00	1.46	41.89	1400.61
25-Oct-2004	1234	TB	M-SCOPE	28.85	0.00	1.46	27.39	1415.11
20-Jan-2005	1156	TB	M-SCOPE	26.81	0.00	1.46	25.35	1417.15
07-Apr-2005	1043	TB	M-SCOPE	25.71	0.00	1.46	24.25	1418.25
19-Jul-2005	1227	TB	M-SCOPE	35.65	0.00	1.46	34.19	1408.31
20-Oct-2005	1051	DR	M-SCOPE	28.08	0.00	1.46	26.62	1415.88
18-Jan-2006	952	DR	M-SCOPE	27.08	0.00	1.46	25.62	1416.88
21-Apr-2006	1505	DR	M-SCOPE	30.94	0.00	1.46	29.48	1413.02
20-Jul-2006	1109	DR	M-SCOPE	45.12	0.00	1.46	43.66	1398.84
24-Oct-2006	1129	DR	M-SCOPE	33.12	0.00	1.46	31.66	1410.84
23-Jan-2007	1653	DR	M-SCOPE	30.90	0.00	1.46	29.44	1413.06
10-Apr-2007	949	DR	M-SCOPE	27.50	0.00	1.46	26.04	1416.46
19-Jul-2007	1234	DR	M-SCOPE	31.21	0.00	1.46	29.75	1412.75
26-Oct-2007	1026	DR	M-SCOPE	29.07	0.00	1.46	27.61	1414.89
11-Jan-2008	1442	DR	M-SCOPE	27.21	0.00	1.46	25.75	1416.75
02-Apr-2008	1147	DR	M-SCOPE	26.30	0.00	1.46	24.84	1417.66
22-Jul-2008	1353	DR	M-SCOPE	31.69	0.00	1.46	30.23	1412.27
24-Oct-2008	1051	DR	M-SCOPE	25.86	0.00	1.46	24.40	1418.10
19-Jan-2009	1041	DR	M-SCOPE	25.20	0.00	1.46	23.74	1418.76
09-Apr-2009	1112	DR	M-SCOPE	23.59	0.00	1.46	22.13	1420.37
20-Jul-2009	1214	DR	M-SCOPE	33.72	0.00	1.46	32.26	1410.24
20-Oct-2009	955	DR	M-SCOPE	25.83	0.00	1.46	24.37	1418.13
14-Jan-2010	1200	DR	M-SCOPE	24.25	0.00	1.46	22.79	1419.71
15-Apr-2010	1132	DR	M-SCOPE	24.31	0.00	1.46	22.85	1419.65
16-Jul-2010	1046	DR	M-SCOPE	26.18	0.00	1.46	24.72	1417.78
20-Oct-2010	1210	DR	M-SCOPE	26.07	0.00	1.46	24.61	1417.89
20-Jan-2011	1625	DR	M-SCOPE	24.68	0.00	1.46	23.22	1419.28
07-Apr-2011	1219	DR	M-SCOPE	25.09	0.00	1.46	23.63	1418.87
21-Jul-2011	1427	DR	M-SCOPE	48.13	0.00	1.46	46.67	1395.83
18-Oct-2011	1100	DR	M-SCOPE	33.19	0.00	1.46	31.73	1410.77
17-Jan-2012	1338	DR	M-SCOPE	30.23	0.00	1.46	28.77	1413.73
01-Mar-2012	1454	DR	M-SCOPE	29.25	0.00	1.46	27.79	1414.71
27-Apr-2012	1233	DR	M-SCOPE	29.38	0.00	1.46	27.92	1414.58
30-Jul-2012	1526	DR	M-SCOPE	48.48	0.00	1.46	47.02	1395.48
18-Oct-2012	1045	DR	M-SCOPE	35.61	0.00	1.46	34.15	1408.35

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1310	TB	M-SCOPE	28.22		1.32	26.90	1415.70
06-Nov-2001	1240	TB	M-SCOPE	28.35		1.32	27.03	1415.57
10-Jun-2002	1210	TB	M-SCOPE	27.27		1.32	25.95	1416.65
10-Oct-2002	1400	CM	M-SCOPE	32.57		1.32	31.25	1411.35
23-Oct-2002	1147	MTD	M-SCOPE	31.82		1.32	30.50	1412.10
23-Jan-2003	1504	TB	M-SCOPE	29.45	0.00	1.32	28.13	1414.47
28-Apr-2003	1127	TB	M-SCOPE	28.00	0.00	1.32	26.68	1415.92
23-Jul-2003	1138	TB	M-SCOPE	44.78	0.00	1.32	43.46	1399.14
28-Oct-2003	1143	TB	M-SCOPE	31.63	0.00	1.32	30.31	1412.29
22-Jan-2004	1545	TB	M-SCOPE	28.74	0.00	1.32	27.42	1415.18
19-Apr-2004	1244	TB	M-SCOPE	27.04	0.00	1.32	25.72	1416.88
22-Jul-2004	1124	TB	M-SCOPE	43.64	0.00	1.32	42.32	1400.28
25-Oct-2004	1234	TB	M-SCOPE	28.69	0.00	1.32	27.37	1415.23
20-Jan-2005	1156	TB	M-SCOPE	26.70	0.00	1.32	25.38	1417.22
07-Apr-2005	1043	TB	M-SCOPE	25.50	0.00	1.32	24.18	1418.42
19-Jul-2005	1228	TB	M-SCOPE	34.92	0.00	1.32	33.60	1409.00
20-Oct-2005	1051	DR	M-SCOPE	27.94	0.00	1.32	26.62	1415.98
18-Jan-2006	953	DR	M-SCOPE	26.94	0.00	1.32	25.62	1416.98
21-Apr-2006	1505	DR	M-SCOPE	29.69	0.00	1.32	28.37	1414.23
20-Jul-2006	1109	DR	M-SCOPE	45.50	0.00	1.32	44.18	1398.42
24-Oct-2006	1129	DR	M-SCOPE	32.99	0.00	1.32	31.67	1410.93
23-Jan-2007	1654	DR	M-SCOPE	30.80	0.00	1.32	29.48	1413.12
10-Apr-2007	949	DR	M-SCOPE	28.60	0.00	1.32	27.28	1415.32
19-Jul-2007	1235	DR	M-SCOPE	31.88	0.00	1.32	30.56	1412.04
26-Oct-2007	1026	DR	M-SCOPE	29.00	0.00	1.32	27.68	1414.92
11-Jan-2008	1441	DR	M-SCOPE	26.99	0.00	1.32	25.67	1416.93
02-Apr-2008	1148	DR	M-SCOPE	26.21	0.00	1.32	24.89	1417.71
22-Jul-2008	1353	DR	M-SCOPE	31.70	0.00	1.32	30.38	1412.22
24-Oct-2008	1051	DR	M-SCOPE	25.71	0.00	1.32	24.39	1418.21
19-Jan-2009	1042	DR	M-SCOPE	25.05	0.00	1.32	23.73	1418.87
09-Apr-2009	1112	DR	M-SCOPE	23.58	0.00	1.32	22.26	1420.34
20-Jul-2009	1213	DR	M-SCOPE	32.45	0.00	1.32	31.13	1411.47
20-Oct-2009	955	DR	M-SCOPE	25.66	0.00	1.32	24.34	1418.26
14-Jan-2010	1201	DR	M-SCOPE	24.11	0.00	1.32	22.79	1419.81
15-Apr-2010	1132	DR	M-SCOPE	24.15	0.00	1.32	22.83	1419.77
16-Jul-2010	1047	DR	M-SCOPE	25.88	0.00	1.32	24.56	1418.04
20-Oct-2010	1210	DR	M-SCOPE	25.91	0.00	1.32	24.59	1418.01
20-Jan-2011	1625	DR	M-SCOPE	24.52	0.00	1.32	23.20	1419.40
07-Apr-2011	1218	DR	M-SCOPE	24.95	0.00	1.32	23.63	1418.97
21-Jul-2011	1428	DR	M-SCOPE	47.80	0.00	1.32	46.48	1396.12
18-Oct-2011	1100	DR	M-SCOPE	32.91	0.00	1.32	31.59	1411.01
17-Jan-2012	1338	DR	M-SCOPE	29.97	0.00	1.32	28.65	1413.95
01-Mar-2012	1454	DR	M-SCOPE	29.16	0.00	1.32	27.84	1414.76
27-Apr-2012	1233	DR	M-SCOPE	29.50	0.00	1.32	28.18	1414.42
30-Jul-2012	1527	DR	M-SCOPE	48.71	0.00	1.32	47.39	1395.21
18-Oct-2012	1045	DR	M-SCOPE	35.27	0.00	1.32	33.95	1408.65

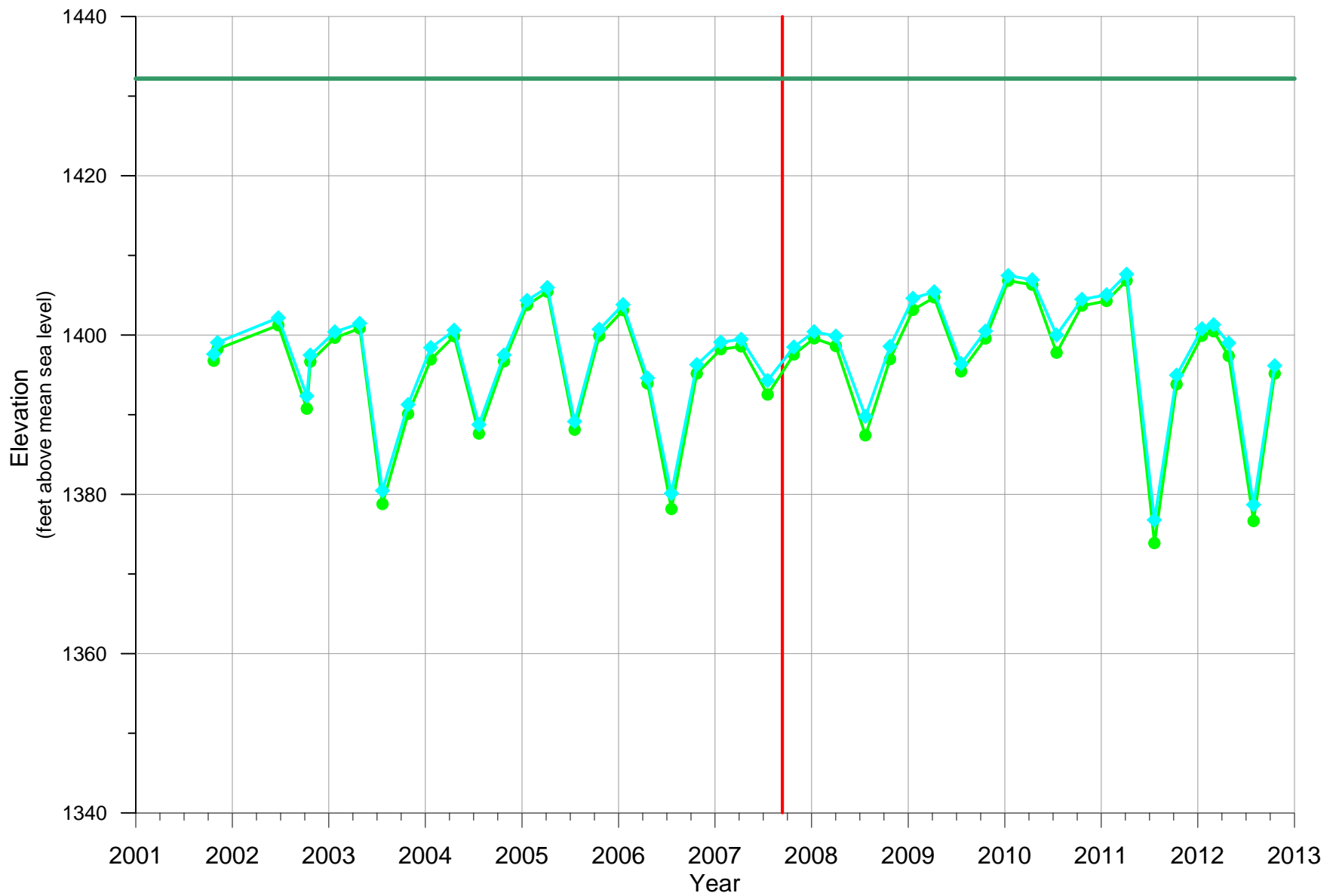
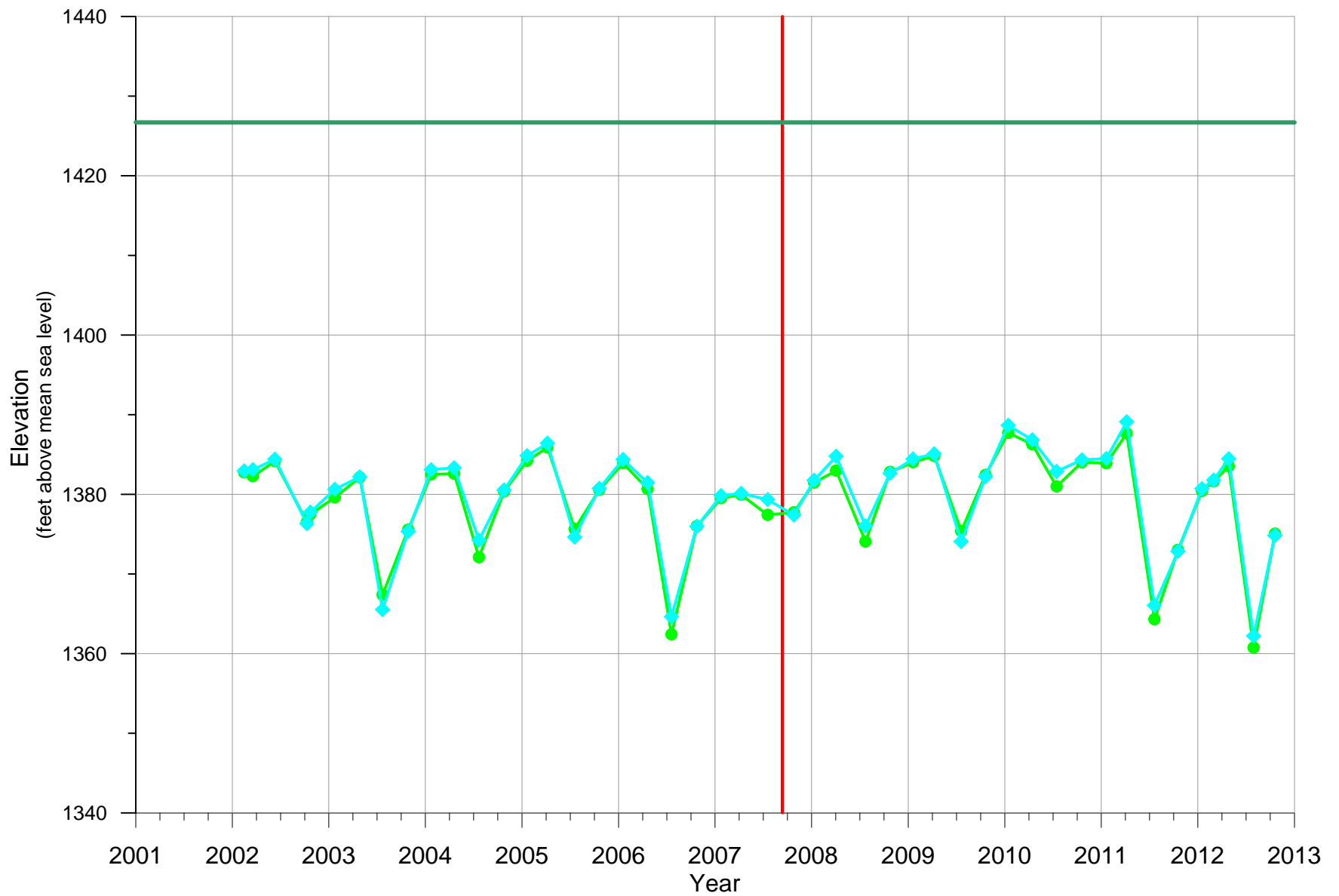


Figure D.6
 INDEX WELL HYDROGRAPHS
 IW-06A & IW06C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1345	TB	M-SCOPE	36.29		1.70	34.59	1397.61
06-Nov-2001	1145	TB	M-SCOPE	34.84		1.70	33.14	1399.06
24-Jun-2002	1005	TB	M-SCOPE	31.73		1.70	30.03	1402.17
10-Oct-2002	1410	CM	M-SCOPE	41.56		1.70	39.86	1392.34
23-Oct-2002	1127	MTD	M-SCOPE	36.42		1.70	34.72	1397.48
24-Jan-2003	959	TB	M-SCOPE	33.50	0.00	1.70	31.80	1400.40
28-Apr-2003	1114	TB	M-SCOPE	32.44	0.00	1.70	30.74	1401.46
23-Jul-2003	1127	TB	M-SCOPE	53.43	0.00	1.70	51.73	1380.47
28-Oct-2003	1132	TB	M-SCOPE	42.63	0.00	1.70	40.93	1391.27
22-Jan-2004	1530	TB	M-SCOPE	35.48	0.00	1.70	33.78	1398.42
19-Apr-2004	1233	TB	M-SCOPE	33.30	0.00	1.70	31.60	1400.60
22-Jul-2004	1112	TB	M-SCOPE	45.14	0.00	1.70	43.44	1388.76
25-Oct-2004	1221	TB	M-SCOPE	36.40	0.00	1.70	34.70	1397.50
20-Jan-2005	1144	TB	M-SCOPE	29.55	0.00	1.70	27.85	1404.35
07-Apr-2005	1051	TB	M-SCOPE	27.93	0.00	1.70	26.23	1405.97
19-Jul-2005	1215	TB	M-SCOPE	44.75	0.00	1.70	43.05	1389.15
20-Oct-2005	1137	DR	M-SCOPE	33.18	0.00	1.70	31.48	1400.72
18-Jan-2006	942	DR	M-SCOPE	30.09	0.00	1.70	28.39	1403.81
21-Apr-2006	1514	DR	M-SCOPE	39.30	0.00	1.70	37.60	1394.60
20-Jul-2006	1058	DR	M-SCOPE	53.78	0.00	1.70	52.08	1380.12
24-Oct-2006	1117	DR	M-SCOPE	37.62	0.00	1.70	35.92	1396.28
23-Jan-2007	1700	DR	M-SCOPE	34.80	0.00	1.70	33.10	1399.10
10-Apr-2007	1248	DR	M-SCOPE	34.43	0.00	1.70	32.73	1399.47
19-Jul-2007	1226	DR	M-SCOPE	39.61	0.00	1.70	37.91	1394.29
26-Oct-2007	1137	DR	M-SCOPE	35.40	0.00	1.70	33.70	1398.50
11-Jan-2008	1419	DR	M-SCOPE	33.48	0.00	1.70	31.78	1400.42
02-Apr-2008	1135	DR	M-SCOPE	34.03	0.00	1.70	32.33	1399.87
23-Jul-2008	1241	DR	M-SCOPE	44.11	0.00	1.70	42.41	1389.79
24-Oct-2008	1141	DR	M-SCOPE	35.33	0.00	1.70	33.63	1398.57
19-Jan-2009	1051	DR	M-SCOPE	29.28	0.00	1.70	27.58	1404.62
09-Apr-2009	1128	DR	M-SCOPE	28.47	0.00	1.70	26.77	1405.43
20-Jul-2009	1312	DR	M-SCOPE	37.48	0.00	1.70	35.78	1396.42
20-Oct-2009	1022	DR	M-SCOPE	33.40	0.00	1.70	31.70	1400.50
14-Jan-2010	1216	DR	M-SCOPE	26.43	0.00	1.70	24.73	1407.47
15-Apr-2010	1140	DR	M-SCOPE	26.96	0.00	1.70	25.26	1406.94
16-Jul-2010	1103	DR	M-SCOPE	33.90	0.00	1.70	32.20	1400.00
20-Oct-2010	1139	DR	M-SCOPE	29.42	0.00	1.70	27.72	1404.48
21-Jan-2011	1339	DR	M-SCOPE	28.85	0.00	1.70	27.15	1405.05
07-Apr-2011	1235	DR	M-SCOPE	26.26	0.00	1.70	24.56	1407.64
21-Jul-2011	1451	DR	M-SCOPE	57.11	0.00	1.70	55.41	1376.79
13-Oct-2011	1022	DR	M-SCOPE	38.94	0.00	1.70	37.24	1394.96
17-Jan-2012	1528	DR	M-SCOPE	33.12	0.00	1.70	31.42	1400.78
01-Mar-2012	1441	DR	M-SCOPE	32.60	0.00	1.70	30.90	1401.30
27-Apr-2012	1219	DR	M-SCOPE	34.91	0.00	1.70	33.21	1398.99
30-Jul-2012	1543	DR	M-SCOPE	55.21	0.00	1.70	53.51	1378.69
18-Oct-2012	1058	DR	M-SCOPE	37.75	0.00	1.70	36.05	1396.15

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1350	TB	M-SCOPE	37.20		1.57	35.63	1396.77
06-Nov-2001	1320	TB	M-SCOPE	35.73		1.57	34.16	1398.24
24-Jun-2002	1225	TB	M-SCOPE	32.74		1.57	31.17	1401.23
10-Oct-2002	1415	CM	M-SCOPE	43.22		1.57	41.65	1390.75
23-Oct-2002	1131	MTD	M-SCOPE	37.31		1.57	35.74	1396.66
24-Jan-2003	1000	TB	M-SCOPE	34.31	0.00	1.57	32.74	1399.66
28-Apr-2003	1115	TB	M-SCOPE	33.14	0.00	1.57	31.57	1400.83
23-Jul-2003	1127	TB	M-SCOPE	55.18	0.00	1.57	53.61	1378.79
28-Oct-2003	1133	TB	M-SCOPE	43.87	0.00	1.57	42.30	1390.10
22-Jan-2004	1531	TB	M-SCOPE	37.04	0.00	1.57	35.47	1396.93
19-Apr-2004	1233	TB	M-SCOPE	34.11	0.00	1.57	32.54	1399.86
22-Jul-2004	1113	TB	M-SCOPE	46.34	0.00	1.57	44.77	1387.63
25-Oct-2004	1221	TB	M-SCOPE	37.27	0.00	1.57	35.70	1396.70
20-Jan-2005	1144	TB	M-SCOPE	30.20	0.00	1.57	28.63	1403.77
07-Apr-2005	1052	TB	M-SCOPE	28.54	0.00	1.57	26.97	1405.43
19-Jul-2005	1216	TB	M-SCOPE	45.85	0.00	1.57	44.28	1388.12
20-Oct-2005	1138	DR	M-SCOPE	34.07	0.00	1.57	32.50	1399.90
18-Jan-2006	942	DR	M-SCOPE	30.85	0.00	1.57	29.28	1403.12
21-Apr-2006	1515	DR	M-SCOPE	40.05	0.00	1.57	38.48	1393.92
20-Jul-2006	1058	DR	M-SCOPE	55.80	0.00	1.57	54.23	1378.17
24-Oct-2006	1118	DR	M-SCOPE	38.80	0.00	1.57	37.23	1395.17
23-Jan-2007	1701	DR	M-SCOPE	35.75	0.00	1.57	34.18	1398.22
10-Apr-2007	1248	DR	M-SCOPE	35.40	0.00	1.57	33.83	1398.57
19-Jul-2007	1226	DR	M-SCOPE	41.45	0.00	1.57	39.88	1392.52
26-Oct-2007	1137	DR	M-SCOPE	36.41	0.00	1.57	34.84	1397.56
11-Jan-2008	1419	DR	M-SCOPE	34.38	0.00	1.57	32.81	1399.59
02-Apr-2008	1135	DR	M-SCOPE	35.35	0.00	1.57	33.78	1398.62
23-Jul-2008	1241	DR	M-SCOPE	46.57	0.00	1.57	45.00	1387.40
24-Oct-2008	1142	DR	M-SCOPE	37.00	0.00	1.57	35.43	1396.97
19-Jan-2009	1051	DR	M-SCOPE	30.80	0.00	1.57	29.23	1403.17
09-Apr-2009	1128	DR	M-SCOPE	29.25	0.00	1.57	27.68	1404.72
20-Jul-2009	1312	DR	M-SCOPE	38.53	0.00	1.57	36.96	1395.44
20-Oct-2009	1021	DR	M-SCOPE	34.40	0.00	1.57	32.83	1399.57
14-Jan-2010	1216	DR	M-SCOPE	27.15	0.00	1.57	25.58	1406.82
15-Apr-2010	1141	DR	M-SCOPE	27.65	0.00	1.57	26.08	1406.32
16-Jul-2010	1104	DR	M-SCOPE	36.19	0.00	1.57	34.62	1397.78
20-Oct-2010	1139	DR	M-SCOPE	30.28	0.00	1.57	28.71	1403.69
21-Jan-2011	1340	DR	M-SCOPE	29.69	0.00	1.57	28.12	1404.28
07-Apr-2011	1235	DR	M-SCOPE	27.12	0.00	1.57	25.55	1406.85
21-Jul-2011	1451	DR	M-SCOPE	60.10	0.00	1.57	58.53	1373.87
13-Oct-2011	1022	DR	M-SCOPE	40.15	0.00	1.57	38.58	1393.82
17-Jan-2012	1528	DR	M-SCOPE	34.07	0.00	1.57	32.50	1399.90
01-Mar-2012	1441	DR	M-SCOPE	33.50	0.00	1.57	31.93	1400.47
27-Apr-2012	1220	DR	M-SCOPE	36.60	0.00	1.57	35.03	1397.37
30-Jul-2012	1544	DR	M-SCOPE	57.32	0.00	1.57	55.75	1376.65
18-Oct-2012	1059	DR	M-SCOPE	38.80	0.00	1.57	37.23	1395.17



LEGEND

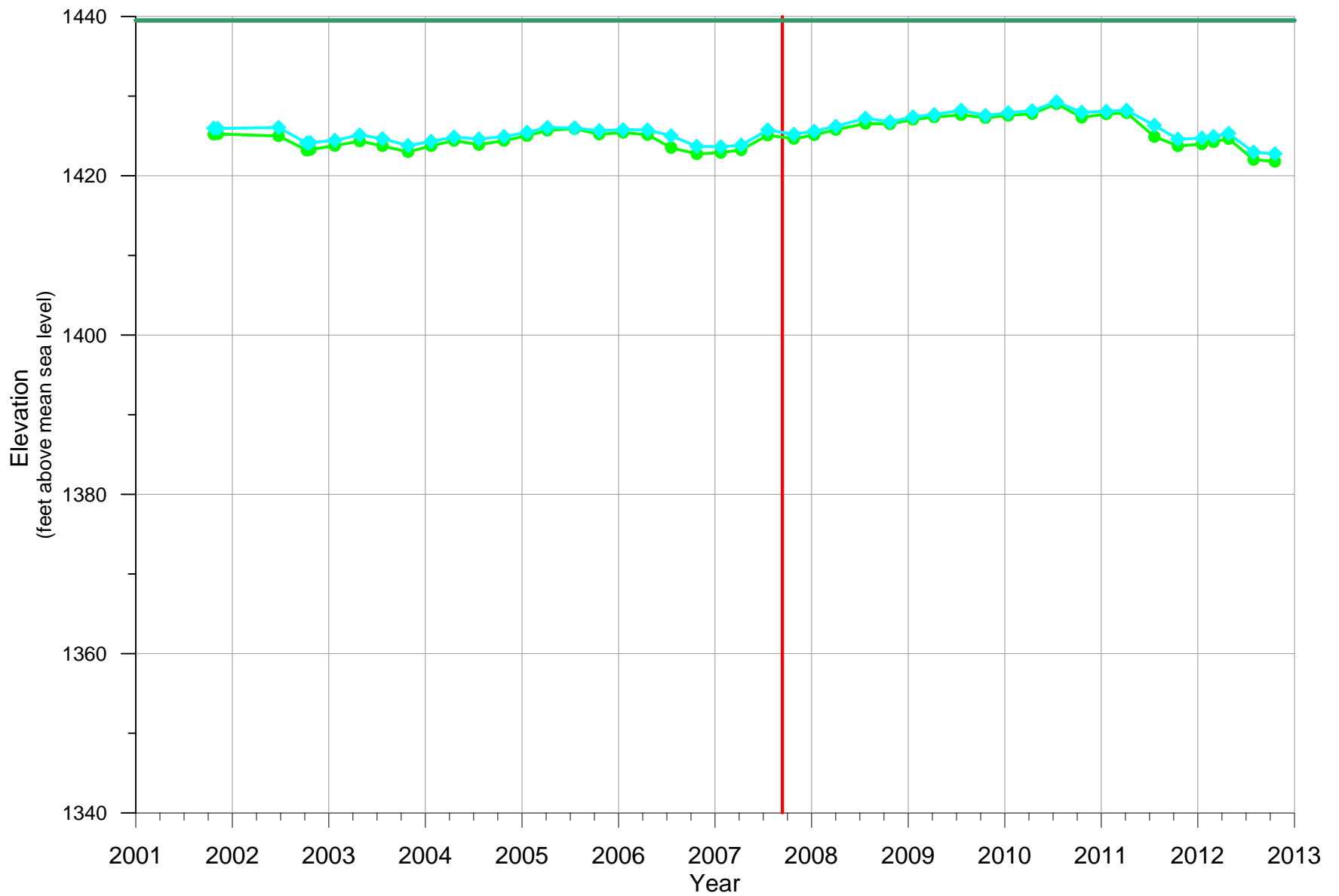
- ◆ IW-07A
- IW-07C
- Ground Surface Elevation
- | ASR Phase I Operations Begin



Figure D.7
 INDEX WELL HYDROGRAPHS
 IW-07A & IW07C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	920	TB	M-SCOPE	45.30		1.53	43.77	1382.93
20-Mar-2002	950	TB	M-SCOPE	45.12		1.53	43.59	1383.11
11-Jun-2002	905	TB	M-SCOPE	43.82		1.53	42.29	1384.41
10-Oct-2002	1430	CM	M-SCOPE	51.92		1.53	50.39	1376.31
23-Oct-2002	1320	MTD	M-SCOPE	50.48		1.53	48.95	1377.75
24-Jan-2003	943	TB	M-SCOPE	47.59	0.00	1.53	46.06	1380.64
28-Apr-2003	1242	TB	M-SCOPE	46.03	0.00	1.53	44.50	1382.20
23-Jul-2003	1115	TB	M-SCOPE	62.70	0.00	1.53	61.17	1365.53
28-Oct-2003	1243	TB	M-SCOPE	52.90	0.00	1.53	51.37	1375.33
23-Jan-2004	932	TB	M-SCOPE	45.14	0.00	1.53	43.61	1383.09
19-Apr-2004	1219	TB	M-SCOPE	44.90	0.00	1.53	43.37	1383.33
22-Jul-2004	1100	TB	M-SCOPE	53.99	0.00	1.53	52.46	1374.24
25-Oct-2004	1156	TB	M-SCOPE	47.69	0.00	1.53	46.16	1380.54
20-Jan-2005	1127	TB	M-SCOPE	43.38	0.00	1.53	41.85	1384.85
07-Apr-2005	1101	TB	M-SCOPE	41.81	0.00	1.53	40.28	1386.42
19-Jul-2005	1158	TB	M-SCOPE	53.59	0.00	1.53	52.06	1374.64
20-Oct-2005	1155	DR	M-SCOPE	47.49	0.00	1.53	45.96	1380.74
18-Jan-2006	1617	DR	M-SCOPE	43.86	0.00	1.53	42.33	1384.37
21-Apr-2006	1528	DR	M-SCOPE	46.77	0.00	1.53	45.24	1381.46
20-Jul-2006	1144	DR	M-SCOPE	63.60	0.00	1.53	62.07	1364.63
24-Oct-2006	1226	DR	M-SCOPE	52.25	0.00	1.53	50.72	1375.98
24-Jan-2007	1010	DR	M-SCOPE	48.40	0.00	1.53	46.87	1379.83
10-Apr-2007	1259	DR	M-SCOPE	48.11	0.00	1.53	46.58	1380.12
19-Jul-2007	1216	DR	M-SCOPE	48.89	0.00	1.53	47.36	1379.34
26-Oct-2007	1149	DR	M-SCOPE	50.83	0.00	1.53	49.30	1377.40
11-Jan-2008	1430	DR	M-SCOPE	46.46	0.00	1.53	44.93	1381.77
03-Apr-2008	1107	DR	M-SCOPE	43.45	0.00	1.53	41.92	1384.78
23-Jul-2008	1251	DR	M-SCOPE	52.21	0.00	1.53	50.68	1376.02
24-Oct-2008	1038	DR	M-SCOPE	45.60	0.00	1.53	44.07	1382.63
19-Jan-2009	1102	DR	M-SCOPE	43.79	0.00	1.53	42.26	1384.44
09-Apr-2009	1101	DR	M-SCOPE	43.14	0.00	1.53	41.61	1385.09
20-Jul-2009	1322	DR	M-SCOPE	54.16	0.00	1.53	52.63	1374.07
20-Oct-2009	1033	DR	M-SCOPE	46.00	0.00	1.53	44.47	1382.23
14-Jan-2010	1231	DR	M-SCOPE	39.57	0.00	1.53	38.04	1388.66
15-Apr-2010	1014	DR	M-SCOPE	41.39	0.00	1.53	39.86	1386.84
16-Jul-2010	1120	DR	M-SCOPE	45.35	0.00	1.53	43.82	1382.88
20-Oct-2010	1354	DR	M-SCOPE	43.90	0.00	1.53	42.37	1384.33
20-Jan-2011	1648	DR	M-SCOPE	43.74	0.00	1.53	42.21	1384.49
07-Apr-2011	1047	DR	M-SCOPE	39.13	0.00	1.53	37.60	1389.10
21-Jul-2011	1502	DR	M-SCOPE	62.17	0.00	1.53	60.64	1366.06
18-Oct-2011	1027	DR	M-SCOPE	55.38	0.00	1.53	53.85	1372.85
17-Jan-2012	1009	DR	M-SCOPE	47.52	0.00	1.53	45.99	1380.71
01-Mar-2012	1418	DR	M-SCOPE	46.44	0.00	1.53	44.91	1381.79
27-Apr-2012	1401	DR	M-SCOPE	43.76	0.00	1.53	42.23	1384.47
30-Jul-2012	1554	DR	M-SCOPE	66.02	0.00	1.53	64.49	1362.21
19-Oct-2012	1157	DR	M-SCOPE	53.40	0.00	1.53	51.87	1374.83

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	925	TB	M-SCOPE	45.28		1.43	43.85	1382.75
20-Mar-2002	1200	TB	M-SCOPE	45.75		1.43	44.32	1382.28
11-Jun-2002	1125	TB	M-SCOPE	43.87		1.43	42.44	1384.16
10-Oct-2002	1435	CM	M-SCOPE	51.52		1.43	50.09	1376.51
23-Oct-2002	1324	MTD	M-SCOPE	50.54		1.43	49.11	1377.49
24-Jan-2003	944	TB	M-SCOPE	48.41	0.00	1.43	46.98	1379.62
28-Apr-2003	1242	TB	M-SCOPE	45.90	0.00	1.43	44.47	1382.13
23-Jul-2003	1116	TB	M-SCOPE	60.64	0.00	1.43	59.21	1367.39
28-Oct-2003	1243	TB	M-SCOPE	52.48	0.00	1.43	51.05	1375.55
23-Jan-2004	933	TB	M-SCOPE	45.52	0.00	1.43	44.09	1382.51
19-Apr-2004	1220	TB	M-SCOPE	45.43	0.00	1.43	44.00	1382.60
22-Jul-2004	1101	TB	M-SCOPE	55.92	0.00	1.43	54.49	1372.11
25-Oct-2004	1156	TB	M-SCOPE	47.65	0.00	1.43	46.22	1380.38
20-Jan-2005	1127	TB	M-SCOPE	43.81	0.00	1.43	42.38	1384.22
07-Apr-2005	1101	TB	M-SCOPE	42.14	0.00	1.43	40.71	1385.89
19-Jul-2005	1158	TB	M-SCOPE	52.38	0.00	1.43	50.95	1375.65
20-Oct-2005	1156	DR	M-SCOPE	47.46	0.00	1.43	46.03	1380.57
18-Jan-2006	1618	DR	M-SCOPE	44.13	0.00	1.43	42.70	1383.90
21-Apr-2006	1529	DR	M-SCOPE	47.35	0.00	1.43	45.92	1380.68
20-Jul-2006	1144	DR	M-SCOPE	65.61	0.00	1.43	64.18	1362.42
24-Oct-2006	1226	DR	M-SCOPE	52.02	0.00	1.43	50.59	1376.01
24-Jan-2007	1010	DR	M-SCOPE	48.50	0.00	1.43	47.07	1379.53
10-Apr-2007	1259	DR	M-SCOPE	48.08	0.00	1.43	46.65	1379.95
19-Jul-2007	1217	DR	M-SCOPE	50.61	0.00	1.43	49.18	1377.42
26-Oct-2007	1149	DR	M-SCOPE	50.29	0.00	1.43	48.86	1377.74
11-Jan-2008	1430	DR	M-SCOPE	46.55	0.00	1.43	45.12	1381.48
03-Apr-2008	1107	DR	M-SCOPE	45.05	0.00	1.43	43.62	1382.98
23-Jul-2008	1252	DR	M-SCOPE	53.96	0.00	1.43	52.53	1374.07
24-Oct-2008	1037	DR	M-SCOPE	45.22	0.00	1.43	43.79	1382.81
19-Jan-2009	1102	DR	M-SCOPE	43.99	0.00	1.43	42.56	1384.04
09-Apr-2009	1101	DR	M-SCOPE	43.21	0.00	1.43	41.78	1384.82
20-Jul-2009	1322	DR	M-SCOPE	52.65	0.00	1.43	51.22	1375.38
20-Oct-2009	1034	DR	M-SCOPE	45.59	0.00	1.43	44.16	1382.44
14-Jan-2010	1230	DR	M-SCOPE	40.30	0.00	1.43	38.87	1387.73
15-Apr-2010	1013	DR	M-SCOPE	41.75	0.00	1.43	40.32	1386.28
16-Jul-2010	1121	DR	M-SCOPE	47.04	0.00	1.43	45.61	1380.99
20-Oct-2010	1353	DR	M-SCOPE	44.00	0.00	1.43	42.57	1384.03
20-Jan-2011	1648	DR	M-SCOPE	44.13	0.00	1.43	42.70	1383.90
07-Apr-2011	1047	DR	M-SCOPE	40.38	0.00	1.43	38.95	1387.65
21-Jul-2011	1503	DR	M-SCOPE	63.72	0.00	1.43	62.29	1364.31
18-Oct-2011	1027	DR	M-SCOPE	55.00	0.00	1.43	53.57	1373.03
17-Jan-2012	1009	DR	M-SCOPE	47.60	0.00	1.43	46.17	1380.43
01-Mar-2012	1419	DR	M-SCOPE	46.39	0.00	1.43	44.96	1381.64
27-Apr-2012	1401	DR	M-SCOPE	44.51	0.00	1.43	43.08	1383.52
30-Jul-2012	1555	DR	M-SCOPE	67.27	0.00	1.43	65.84	1360.76
19-Oct-2012	1157	DR	M-SCOPE	52.98	0.00	1.43	51.55	1375.05



LEGEND

- ◆ IW-08A
- IW-08C
- Ground Surface Elevation
- | ASR Phase I Operations Begin



Figure D.8
 INDEX WELL HYDROGRAPHS
 IW-08A & IW08C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1445	TB	M-SCOPE	15.33		1.79	13.54	1425.96
07-Nov-2001	1050	TB	M-SCOPE	15.35		1.79	13.56	1425.94
25-Jun-2002	950	TB	M-SCOPE	15.23		1.79	13.44	1426.06
10-Oct-2002	1250	CM	M-SCOPE	17.19		1.79	15.40	1424.10
23-Oct-2002	1212	MTD	M-SCOPE	17.12		1.79	15.33	1424.17
24-Jan-2003	1019	TB	M-SCOPE	16.84	0.00	1.79	15.05	1424.45
28-Apr-2003	1153	TB	M-SCOPE	16.17	0.00	1.79	14.38	1425.12
23-Jul-2003	1156	TB	M-SCOPE	16.64	0.00	1.79	14.85	1424.65
28-Oct-2003	1206	TB	M-SCOPE	17.50	0.00	1.79	15.71	1423.79
23-Jan-2004	1008	TB	M-SCOPE	16.98	0.00	1.79	15.19	1424.31
19-Apr-2004	1307	TB	M-SCOPE	16.43	0.00	1.79	14.64	1424.86
22-Jul-2004	1151	TB	M-SCOPE	16.67	0.00	1.79	14.88	1424.62
25-Oct-2004	1257	TB	M-SCOPE	16.37	0.00	1.79	14.58	1424.92
20-Jan-2005	1230	TB	M-SCOPE	15.83	0.00	1.79	14.04	1425.46
07-Apr-2005	1156	TB	M-SCOPE	15.23	0.00	1.79	13.44	1426.06
19-Jul-2005	1256	TB	M-SCOPE	15.28	0.00	1.79	13.49	1426.01
20-Oct-2005	1107	DR	M-SCOPE	15.63	0.00	1.79	13.84	1425.66
18-Jan-2006	1010	DR	M-SCOPE	15.50	0.00	1.79	13.71	1425.79
21-Apr-2006	1450	DR	M-SCOPE	15.55	0.00	1.79	13.76	1425.74
19-Jul-2006	1423	DR	M-SCOPE	16.26	0.00	1.79	14.47	1425.03
24-Oct-2006	1146	DR	M-SCOPE	17.60	0.00	1.79	15.81	1423.69
23-Jan-2007	1628	DR	M-SCOPE	17.65	0.00	1.79	15.86	1423.64
10-Apr-2007	933	DR	M-SCOPE	17.45	0.00	1.79	15.66	1423.84
19-Jul-2007	1137	DR	M-SCOPE	15.55	0.00	1.79	13.76	1425.74
26-Oct-2007	1046	DR	M-SCOPE	16.08	0.00	1.79	14.29	1425.21
11-Jan-2008	1359	DR	M-SCOPE	15.70	0.00	1.79	13.91	1425.59
02-Apr-2008	1320	DR	M-SCOPE	15.08	0.00	1.79	13.29	1426.21
23-Jul-2008	1303	DR	M-SCOPE	14.07	0.00	1.79	12.28	1427.22
24-Oct-2008	1110	DR	M-SCOPE	14.51	0.00	1.79	12.72	1426.78
19-Jan-2009	1029	DR	M-SCOPE	13.90	0.00	1.79	12.11	1427.39
09-Apr-2009	1017	DR	M-SCOPE	13.61	0.00	1.79	11.82	1427.68
20-Jul-2009	1234	DR	M-SCOPE	13.07	0.00	1.79	11.28	1428.22
20-Oct-2009	1210	DR	M-SCOPE	13.71	0.00	1.79	11.92	1427.58
14-Jan-2010	1301	DR	M-SCOPE	13.38	0.00	1.79	11.59	1427.91
15-Apr-2010	1115	DR	M-SCOPE	13.12	0.00	1.79	11.33	1428.17
16-Jul-2010	1211	DR	M-SCOPE	12.00	0.00	1.79	10.21	1429.29
19-Oct-2010	1547	DR	M-SCOPE	13.33	0.00	1.79	11.54	1427.96
20-Jan-2011	1531	DR	M-SCOPE	13.20	0.00	1.79	11.41	1428.09
07-Apr-2011	1130	DR	M-SCOPE	13.07	0.00	1.79	11.28	1428.22
21-Jul-2011	1547	DR	M-SCOPE	14.96	0.00	1.79	13.17	1426.33
18-Oct-2011	1114	DR	M-SCOPE	16.69	0.00	1.79	14.90	1424.60
17-Jan-2012	1316	DR	M-SCOPE	16.57	0.00	1.79	14.78	1424.72
01-Mar-2012	1510	DR	M-SCOPE	16.37	0.00	1.79	14.58	1424.92
27-Apr-2012	1159	DR	M-SCOPE	15.98	0.00	1.79	14.19	1425.31
30-Jul-2012	1612	DR	M-SCOPE	18.33	0.00	1.79	16.54	1422.96
19-Oct-2012	1214	DR	M-SCOPE	18.53	0.00	1.79	16.74	1422.76

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1450	TB	M-SCOPE	16.15		1.66	14.49	1425.21
07-Nov-2001	1255	TB	M-SCOPE	16.11		1.66	14.45	1425.25
25-Jun-2002	1245	TB	M-SCOPE	16.36		1.66	14.70	1425.00
10-Oct-2002	1255	CM	M-SCOPE	18.16		1.66	16.50	1423.20
23-Oct-2002	1215	MTD	M-SCOPE	18.07		1.66	16.41	1423.29
24-Jan-2003	1020	TB	M-SCOPE	17.59	0.00	1.66	15.93	1423.77
28-Apr-2003	1154	TB	M-SCOPE	17.01	0.00	1.66	15.35	1424.35
23-Jul-2003	1156	TB	M-SCOPE	17.61	0.00	1.66	15.95	1423.75
28-Oct-2003	1207	TB	M-SCOPE	18.37	0.00	1.66	16.71	1422.99
23-Jan-2004	1008	TB	M-SCOPE	17.60	0.00	1.66	15.94	1423.76
19-Apr-2004	1307	TB	M-SCOPE	16.94	0.00	1.66	15.28	1424.42
22-Jul-2004	1152	TB	M-SCOPE	17.45	0.00	1.66	15.79	1423.91
25-Oct-2004	1258	TB	M-SCOPE	16.94	0.00	1.66	15.28	1424.42
20-Jan-2005	1231	TB	M-SCOPE	16.33	0.00	1.66	14.67	1425.03
07-Apr-2005	1156	TB	M-SCOPE	15.66	0.00	1.66	14.00	1425.70
19-Jul-2005	1256	TB	M-SCOPE	15.45	0.00	1.66	13.79	1425.91
20-Oct-2005	1108	DR	M-SCOPE	16.14	0.00	1.66	14.48	1425.22
18-Jan-2006	1011	DR	M-SCOPE	15.93	0.00	1.66	14.27	1425.43
21-Apr-2006	1449	DR	M-SCOPE	16.20	0.00	1.66	14.54	1425.16
19-Jul-2006	1422	DR	M-SCOPE	17.84	0.00	1.66	16.18	1423.52
24-Oct-2006	1147	DR	M-SCOPE	18.62	0.00	1.66	16.96	1422.74
23-Jan-2007	1629	DR	M-SCOPE	18.45	0.00	1.66	16.79	1422.91
10-Apr-2007	932	DR	M-SCOPE	18.12	0.00	1.66	16.46	1423.24
19-Jul-2007	1137	DR	M-SCOPE	16.27	0.00	1.66	14.61	1425.09
26-Oct-2007	1046	DR	M-SCOPE	16.70	0.00	1.66	15.04	1424.66
11-Jan-2008	1359	DR	M-SCOPE	16.23	0.00	1.66	14.57	1425.13
02-Apr-2008	1320	DR	M-SCOPE	15.58	0.00	1.66	13.92	1425.78
23-Jul-2008	1302	DR	M-SCOPE	14.80	0.00	1.66	13.14	1426.56
24-Oct-2008	1110	DR	M-SCOPE	14.86	0.00	1.66	13.20	1426.50
19-Jan-2009	1029	DR	M-SCOPE	14.29	0.00	1.66	12.63	1427.07
09-Apr-2009	1018	DR	M-SCOPE	13.99	0.00	1.66	12.33	1427.37
20-Jul-2009	1234	DR	M-SCOPE	13.71	0.00	1.66	12.05	1427.65
20-Oct-2009	1210	DR	M-SCOPE	14.07	0.00	1.66	12.41	1427.29
14-Jan-2010	1301	DR	M-SCOPE	13.80	0.00	1.66	12.14	1427.56
15-Apr-2010	1116	DR	M-SCOPE	13.57	0.00	1.66	11.91	1427.79
16-Jul-2010	1211	DR	M-SCOPE	12.33	0.00	1.66	10.67	1429.03
19-Oct-2010	1547	DR	M-SCOPE	14.03	0.00	1.66	12.37	1427.33
20-Jan-2011	1531	DR	M-SCOPE	13.61	0.00	1.66	11.95	1427.75
07-Apr-2011	1131	DR	M-SCOPE	13.46	0.00	1.66	11.80	1427.90
21-Jul-2011	1547	DR	M-SCOPE	16.45	0.00	1.66	14.79	1424.91
18-Oct-2011	1113	DR	M-SCOPE	17.62	0.00	1.66	15.96	1423.74
17-Jan-2012	1316	DR	M-SCOPE	17.38	0.00	1.66	15.72	1423.98
01-Mar-2012	1510	DR	M-SCOPE	17.11	0.00	1.66	15.45	1424.25
27-Apr-2012	1200	DR	M-SCOPE	16.71	0.00	1.66	15.05	1424.65
30-Jul-2012	1613	DR	M-SCOPE	19.33	0.00	1.66	17.67	1422.03
19-Oct-2012	1214	DR	M-SCOPE	19.57	0.00	1.66	17.91	1421.79

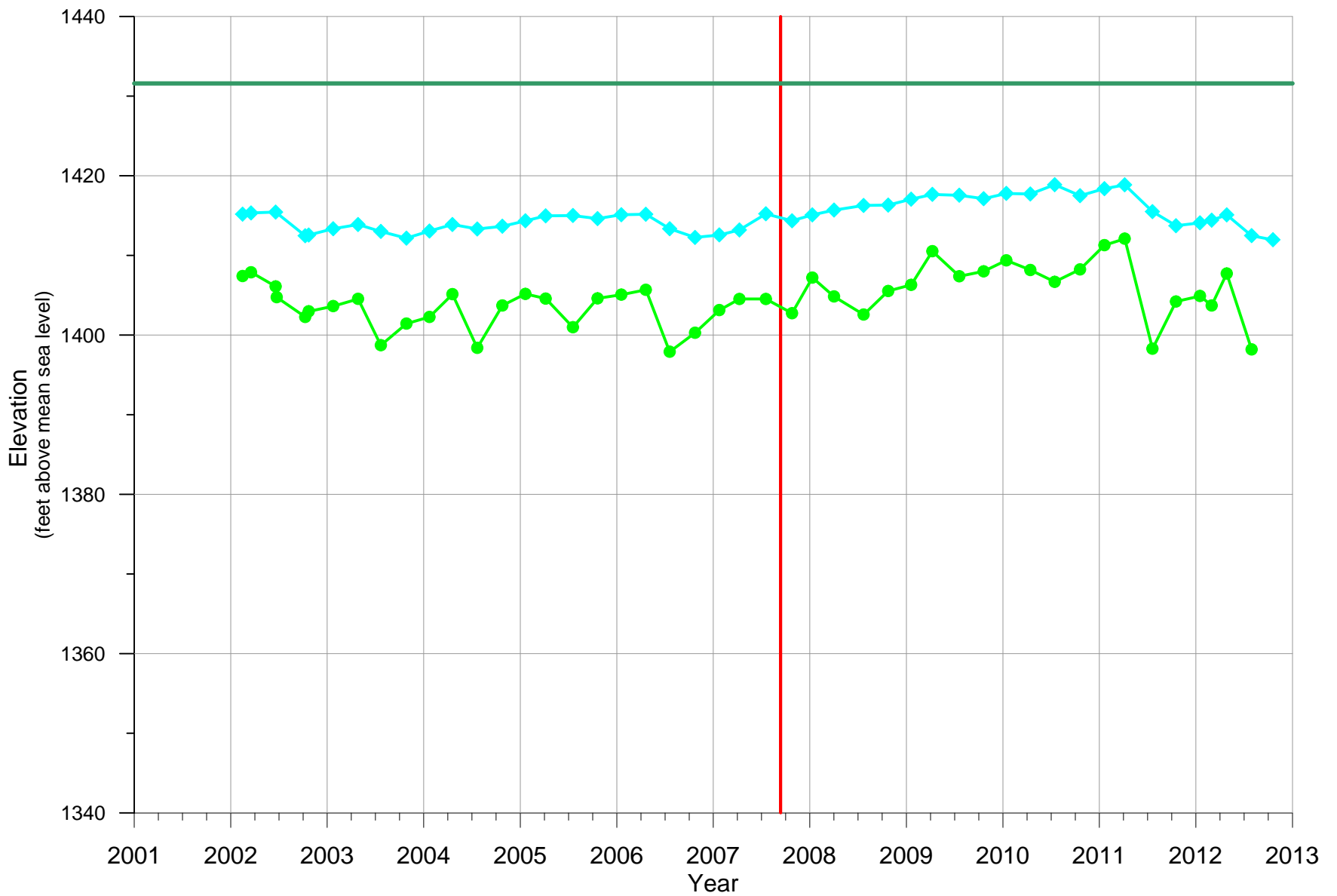


Figure D.9
 INDEX WELL HYDROGRAPHS
 IW-09A & IW09C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1030	TB	M-SCOPE	18.12		1.70	16.42	1415.18
19-Mar-2002	1020	TB	M-SCOPE	17.97		1.70	16.27	1415.33
20-Jun-2002	935	TB	M-SCOPE	17.86		1.70	16.16	1415.44
10-Oct-2002	1340	CM	M-SCOPE	20.84		1.70	19.14	1412.46
23-Oct-2002	1221	MTD	M-SCOPE	20.74		1.70	19.04	1412.56
24-Jan-2003	1035	TB	M-SCOPE	19.95	0.00	1.70	18.25	1413.35
28-Apr-2003	1215	TB	M-SCOPE	19.42	0.00	1.70	17.72	1413.88
23-Jul-2003	1206	TB	M-SCOPE	20.29	0.00	1.70	18.59	1413.01
28-Oct-2003	1220	TB	M-SCOPE	21.13	0.00	1.70	19.43	1412.17
23-Jan-2004	955	TB	M-SCOPE	20.24	0.00	1.70	18.54	1413.06
19-Apr-2004	1319	TB	M-SCOPE	19.42	0.00	1.70	17.72	1413.88
22-Jul-2004	1210	TB	M-SCOPE	19.98	0.00	1.70	18.28	1413.32
25-Oct-2004	1312	TB	M-SCOPE	19.64	0.00	1.70	17.94	1413.66
20-Jan-2005	1243	TB	M-SCOPE	18.96	0.00	1.70	17.26	1414.34
07-Apr-2005	1148	TB	M-SCOPE	18.33	0.00	1.70	16.63	1414.97
19-Jul-2005	1308	TB	M-SCOPE	18.29	0.00	1.70	16.59	1415.01
20-Oct-2005	1245	DR	M-SCOPE	18.68	0.00	1.70	16.98	1414.62
18-Jan-2006	1023	DR	M-SCOPE	18.19	0.00	1.70	16.49	1415.11
21-Apr-2006	1439	DR	M-SCOPE	18.13	0.00	1.70	16.43	1415.17
20-Jul-2006	1120	DR	M-SCOPE	19.95	0.00	1.70	18.25	1413.35
24-Oct-2006	1207	DR	M-SCOPE	21.04	0.00	1.70	19.34	1412.26
24-Jan-2007	956	DR	M-SCOPE	20.73	0.00	1.70	19.03	1412.57
10-Apr-2007	1001	DR	M-SCOPE	20.10	0.00	1.70	18.40	1413.20
19-Jul-2007	1148	DR	M-SCOPE	18.08	0.00	1.70	16.38	1415.22
26-Oct-2007	1116	DR	M-SCOPE	18.95	0.00	1.70	17.25	1414.35
11-Jan-2008	1346	DR	M-SCOPE	18.21	0.00	1.70	16.51	1415.09
02-Apr-2008	1215	DR	M-SCOPE	17.61	0.00	1.70	15.91	1415.69
23-Jul-2008	1219	DR	M-SCOPE	17.03	0.00	1.70	15.33	1416.27
24-Oct-2008	1118	DR	M-SCOPE	16.98	0.00	1.70	15.28	1416.32
19-Jan-2009	1135	DR	M-SCOPE	16.24	0.00	1.70	14.54	1417.06
09-Apr-2009	1028	DR	M-SCOPE	15.64	0.00	1.70	13.94	1417.66
20-Jul-2009	1243	DR	M-SCOPE	15.75	0.00	1.70	14.05	1417.55
20-Oct-2009	1133	DR	M-SCOPE	16.18	0.00	1.70	14.48	1417.12
14-Jan-2010	1313	DR	M-SCOPE	15.52	0.00	1.70	13.82	1417.78
15-Apr-2010	1101	DR	M-SCOPE	15.59	0.00	1.70	13.89	1417.71
16-Jul-2010	1201	DR	M-SCOPE	14.42	0.00	1.70	12.72	1418.88
20-Oct-2010	1224	DR	M-SCOPE	15.80	0.00	1.70	14.10	1417.50
20-Jan-2011	1543	DR	M-SCOPE	14.92	0.00	1.70	13.22	1418.38
07-Apr-2011	1120	DR	M-SCOPE	14.44	0.00	1.70	12.74	1418.86
21-Jul-2011	1532	DR	M-SCOPE	17.80	0.00	1.70	16.10	1415.50
18-Oct-2011	1051	DR	M-SCOPE	19.57	0.00	1.70	17.87	1413.73
17-Jan-2012	1416	DR	M-SCOPE	19.21	0.00	1.70	17.51	1414.09
01-Mar-2012	1519	DR	M-SCOPE	18.88	0.00	1.70	17.18	1414.42
27-Apr-2012	1242	DR	M-SCOPE	18.21	0.00	1.70	16.51	1415.09
30-Jul-2012	1624	DR	M-SCOPE	20.82	0.00	1.70	19.12	1412.48
19-Oct-2012	1240	DR	M-SCOPE	21.34	0.00	1.70	19.64	1411.96

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1035	TB	M-SCOPE	25.78		1.98	23.80	1407.40
19-Mar-2002	1135	TB	M-SCOPE	25.30		1.98	23.32	1407.88
20-Jun-2002	1040	TB	M-SCOPE	27.07		1.98	25.09	1406.11
24-Jun-2002	1045	TB	M-SCOPE	28.43		1.98	26.45	1404.75
10-Oct-2002	1345	CM	M-SCOPE	30.91		1.98	28.93	1402.27
23-Oct-2002	1224	MTD	M-SCOPE	30.20		1.98	28.22	1402.98
24-Jan-2003	1036	TB	M-SCOPE	29.55	0.00	1.98	27.57	1403.63
28-Apr-2003	1216	TB	M-SCOPE	28.64	0.00	1.98	26.66	1404.54
23-Jul-2003	1206	TB	M-SCOPE	34.46	0.00	1.98	32.48	1398.72
28-Oct-2003	1220	TB	M-SCOPE	31.75	0.00	1.98	29.77	1401.43
23-Jan-2004	956	TB	M-SCOPE	30.91	0.00	1.98	28.93	1402.27
19-Apr-2004	1320	TB	M-SCOPE	28.05	0.00	1.98	26.07	1405.13
22-Jul-2004	1210	TB	M-SCOPE	34.79	0.00	1.98	32.81	1398.39
25-Oct-2004	1312	TB	M-SCOPE	29.47	0.00	1.98	27.49	1403.71
20-Jan-2005	1243	TB	M-SCOPE	28.01	0.00	1.98	26.03	1405.17
07-Apr-2005	1148	TB	M-SCOPE	28.60	0.00	1.98	26.62	1404.58
19-Jul-2005	1308	TB	M-SCOPE	32.20	0.00	1.98	30.22	1400.98
20-Oct-2005	1245	DR	M-SCOPE	28.57	0.00	1.98	26.59	1404.61
18-Jan-2006	1023	DR	M-SCOPE	28.11	0.00	1.98	26.13	1405.07
21-Apr-2006	1438	DR	M-SCOPE	27.50	0.00	1.98	25.52	1405.68
20-Jul-2006	1120	DR	M-SCOPE	35.28	0.00	1.98	33.30	1397.90
24-Oct-2006	1207	DR	M-SCOPE	32.90	0.00	1.98	30.92	1400.28
24-Jan-2007	955	DR	M-SCOPE	30.05	0.00	1.98	28.07	1403.13
10-Apr-2007	1001	DR	M-SCOPE	28.65	0.00	1.98	26.67	1404.53
19-Jul-2007	1148	DR	M-SCOPE	28.65	0.00	1.98	26.67	1404.53
26-Oct-2007	1115	DR	M-SCOPE	30.44	0.00	1.98	28.46	1402.74
11-Jan-2008	1346	DR	M-SCOPE	25.97	0.00	1.98	23.99	1407.21
02-Apr-2008	1216	DR	M-SCOPE	28.34	0.00	1.98	26.36	1404.84
23-Jul-2008	1219	DR	M-SCOPE	30.61	0.00	1.98	28.63	1402.57
24-Oct-2008	1118	DR	M-SCOPE	27.65	0.00	1.98	25.67	1405.53
19-Jan-2009	1135	DR	M-SCOPE	26.88	0.00	1.98	24.90	1406.30
09-Apr-2009	1027	DR	M-SCOPE	22.66	0.00	1.98	20.68	1410.52
20-Jul-2009	1243	DR	M-SCOPE	25.80	0.00	1.98	23.82	1407.38
20-Oct-2009	1132	DR	M-SCOPE	25.18	0.00	1.98	23.20	1408.00
14-Jan-2010	1314	DR	M-SCOPE	23.80	0.00	1.98	21.82	1409.38
15-Apr-2010	1101	DR	M-SCOPE	25.01	0.00	1.98	23.03	1408.17
16-Jul-2010	1201	DR	M-SCOPE	26.50	0.00	1.98	24.52	1406.68
20-Oct-2010	1224	DR	M-SCOPE	24.94	0.00	1.98	22.96	1408.24
20-Jan-2011	1542	DR	M-SCOPE	21.90	0.00	1.98	19.92	1411.28
07-Apr-2011	1120	DR	M-SCOPE	21.08	0.00	1.98	19.10	1412.10
21-Jul-2011	1532	DR	M-SCOPE	34.90	0.00	1.98	32.92	1398.28
18-Oct-2011	1051	DR	M-SCOPE	28.97	0.00	1.98	26.99	1404.21
17-Jan-2012	1416	DR	M-SCOPE	28.28	0.00	1.98	26.30	1404.90
01-Mar-2012	1519	DR	M-SCOPE	29.47	0.00	1.98	27.49	1403.71
27-Apr-2012	1242	DR	M-SCOPE	25.45	0.00	1.98	23.47	1407.73
30-Jul-2012	1625	DR	M-SCOPE	34.98	0.00	1.98	33.00	1398.20
19-Oct-2012	1240	DR	M-SCOPE	30.21	0.00	1.98	28.23	1402.97

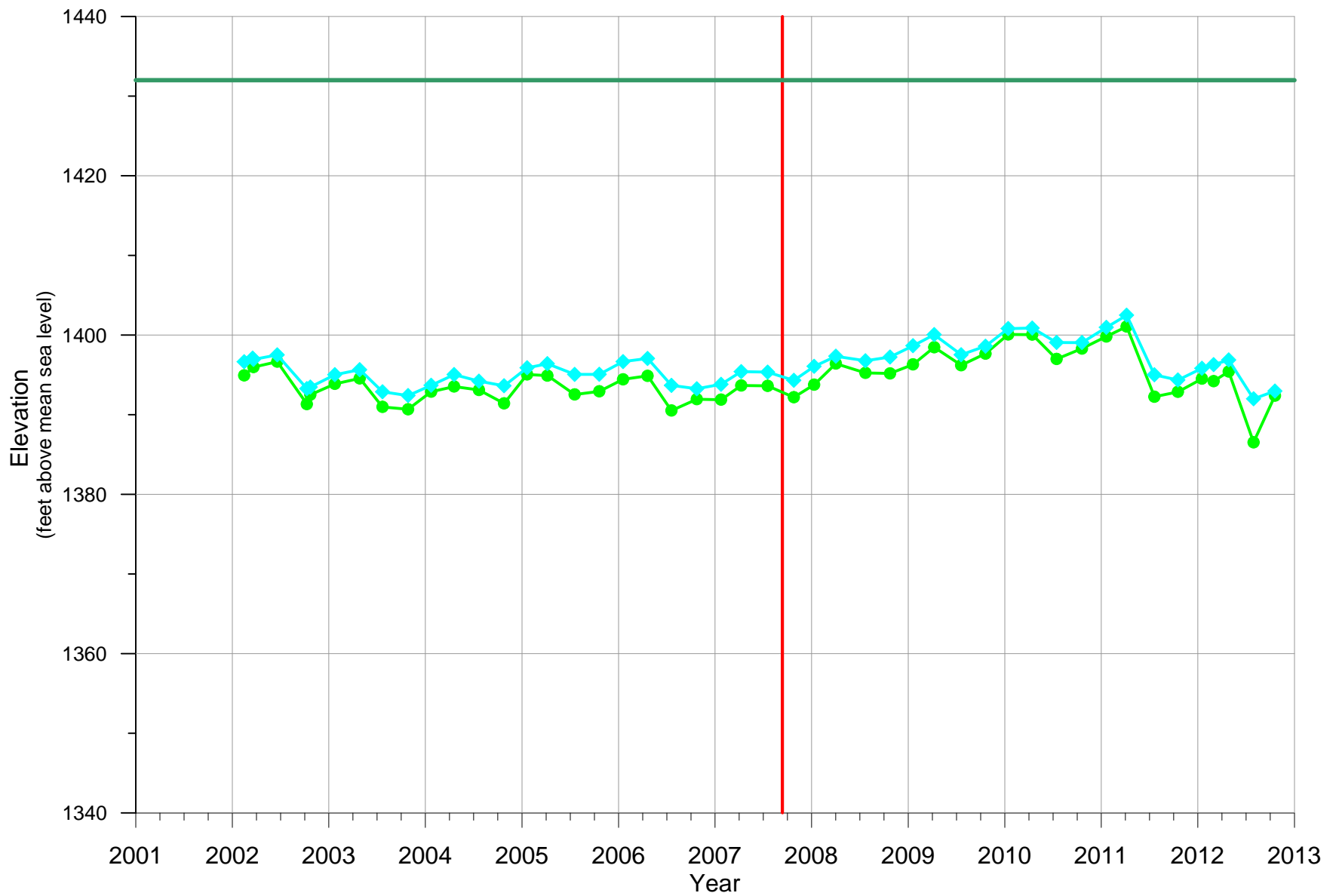


Figure D.10
 INDEX WELL HYDROGRAPHS
 IW-10A & IW10C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1015	TB	M-SCOPE	36.80		1.45	35.35	1396.65
19-Mar-2002	1040	TB	M-SCOPE	36.35		1.45	34.90	1397.10
22-Mar-2002	915	TB	M-SCOPE	36.51		1.45	35.06	1396.94
20-Jun-2002	950	TB	M-SCOPE	35.94		1.45	34.49	1397.51
10-Oct-2002	1320	CM	M-SCOPE	40.18		1.45	38.73	1393.27
23-Oct-2002	1233	MTD	M-SCOPE	39.98		1.45	38.53	1393.47
24-Jan-2003	1100	TB	M-SCOPE	38.43	0.00	1.45	36.98	1395.02
28-Apr-2003	1227	TB	M-SCOPE	37.80	0.00	1.45	36.35	1395.65
23-Jul-2003	1216	TB	M-SCOPE	40.57	0.00	1.45	39.12	1392.88
28-Oct-2003	1230	TB	M-SCOPE	41.05	0.00	1.45	39.60	1392.40
23-Jan-2004	944	TB	M-SCOPE	39.76	0.00	1.45	38.31	1393.69
19-Apr-2004	1333	TB	M-SCOPE	38.41	0.00	1.45	36.96	1395.04
22-Jul-2004	1219	TB	M-SCOPE	39.24	0.00	1.45	37.79	1394.21
25-Oct-2004	1323	TB	M-SCOPE	39.82	0.00	1.45	38.37	1393.63
20-Jan-2005	1254	TB	M-SCOPE	37.56	0.00	1.45	36.11	1395.89
07-Apr-2005	1139	TB	M-SCOPE	37.05	0.00	1.45	35.60	1396.40
19-Jul-2005	1324	TB	M-SCOPE	38.39	0.00	1.45	36.94	1395.06
20-Oct-2005	1231	DR	M-SCOPE	38.38	0.00	1.45	36.93	1395.07
18-Jan-2006	1032	DR	M-SCOPE	36.78	0.00	1.45	35.33	1396.67
21-Apr-2006	1429	DR	M-SCOPE	36.39	0.00	1.45	34.94	1397.06
20-Jul-2006	1131	DR	M-SCOPE	39.77	0.00	1.45	38.32	1393.68
24-Oct-2006	1215	DR	M-SCOPE	40.19	0.00	1.45	38.74	1393.26
24-Jan-2007	948	DR	M-SCOPE	39.63	0.00	1.45	38.18	1393.82
10-Apr-2007	1236	DR	M-SCOPE	38.04	0.00	1.45	36.59	1395.41
19-Jul-2007	1156	DR	M-SCOPE	38.10	0.00	1.45	36.65	1395.35
26-Oct-2007	1125	DR	M-SCOPE	39.14	0.00	1.45	37.69	1394.31
11-Jan-2008	1338	DR	M-SCOPE	37.38	0.00	1.45	35.93	1396.07
02-Apr-2008	1224	DR	M-SCOPE	36.11	0.00	1.45	34.66	1397.34
23-Jul-2008	1211	DR	M-SCOPE	36.68	0.00	1.45	35.23	1396.77
24-Oct-2008	1126	DR	M-SCOPE	36.21	0.00	1.45	34.76	1397.24
19-Jan-2009	1128	DR	M-SCOPE	34.79	0.00	1.45	33.34	1398.66
09-Apr-2009	1040	DR	M-SCOPE	33.40	0.00	1.45	31.95	1400.05
20-Jul-2009	1258	DR	M-SCOPE	35.92	0.00	1.45	34.47	1397.53
20-Oct-2009	1124	DR	M-SCOPE	34.84	0.00	1.45	33.39	1398.61
14-Jan-2010	1411	DR	M-SCOPE	32.64	0.00	1.45	31.19	1400.81
15-Apr-2010	1054	DR	M-SCOPE	32.57	0.00	1.45	31.12	1400.88
16-Jul-2010	1153	DR	M-SCOPE	34.38	0.00	1.45	32.93	1399.07
20-Oct-2010	1407	DR	M-SCOPE	34.40	0.00	1.45	32.95	1399.05
20-Jan-2011	1556	DR	M-SCOPE	32.49	0.00	1.45	31.04	1400.96
07-Apr-2011	1112	DR	M-SCOPE	30.96	0.00	1.45	29.51	1402.49
21-Jul-2011	1525	DR	M-SCOPE	38.44	0.00	1.45	36.99	1395.01
18-Oct-2011	1045	DR	M-SCOPE	39.09	0.00	1.45	37.64	1394.36
17-Jan-2012	1408	DR	M-SCOPE	37.62	0.00	1.45	36.17	1395.83
01-Mar-2012	1530	DR	M-SCOPE	37.17	0.00	1.45	35.72	1396.28
27-Apr-2012	1352	DR	M-SCOPE	36.57	0.00	1.45	35.12	1396.88
30-Jul-2012	1634	DR	M-SCOPE	41.46	0.00	1.45	40.01	1391.99
19-Oct-2012	1252	DR	M-SCOPE	40.48	0.00	1.45	39.03	1392.97

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1020	TB	M-SCOPE	38.38		1.32	37.06	1394.94
22-Mar-2002	1210	TB	M-SCOPE	37.34		1.32	36.02	1395.98
20-Jun-2002	1150	TB	M-SCOPE	36.66		1.32	35.34	1396.66
10-Oct-2002	1325	CM	M-SCOPE	41.99		1.32	40.67	1391.33
23-Oct-2002	1236	MTD	M-SCOPE	40.81		1.32	39.49	1392.51
24-Jan-2003	1101	TB	M-SCOPE	39.45	0.00	1.32	38.13	1393.87
28-Apr-2003	1228	TB	M-SCOPE	38.76	0.00	1.32	37.44	1394.56
23-Jul-2003	1216	TB	M-SCOPE	42.34	0.00	1.32	41.02	1390.98
28-Oct-2003	1231	TB	M-SCOPE	42.64	0.00	1.32	41.32	1390.68
23-Jan-2004	945	TB	M-SCOPE	40.43	0.00	1.32	39.11	1392.89
19-Apr-2004	1334	TB	M-SCOPE	39.78	0.00	1.32	38.46	1393.54
22-Jul-2004	1219	TB	M-SCOPE	40.21	0.00	1.32	38.89	1393.11
25-Oct-2004	1324	TB	M-SCOPE	41.90	0.00	1.32	40.58	1391.42
20-Jan-2005	1255	TB	M-SCOPE	38.27	0.00	1.32	36.95	1395.05
07-Apr-2005	1139	TB	M-SCOPE	38.41	0.00	1.32	37.09	1394.91
19-Jul-2005	1325	TB	M-SCOPE	40.78	0.00	1.32	39.46	1392.54
20-Oct-2005	1232	DR	M-SCOPE	40.39	0.00	1.32	39.07	1392.93
18-Jan-2006	1033	DR	M-SCOPE	38.88	0.00	1.32	37.56	1394.44
21-Apr-2006	1429	DR	M-SCOPE	38.44	0.00	1.32	37.12	1394.88
20-Jul-2006	1131	DR	M-SCOPE	42.80	0.00	1.32	41.48	1390.52
24-Oct-2006	1215	DR	M-SCOPE	41.37	0.00	1.32	40.05	1391.95
24-Jan-2007	947	DR	M-SCOPE	41.43	0.00	1.32	40.11	1391.89
10-Apr-2007	1235	DR	M-SCOPE	39.65	0.00	1.32	38.33	1393.67
19-Jul-2007	1156	DR	M-SCOPE	39.70	0.00	1.32	38.38	1393.62
26-Oct-2007	1124	DR	M-SCOPE	41.13	0.00	1.32	39.81	1392.19
11-Jan-2008	1338	DR	M-SCOPE	39.55	0.00	1.32	38.23	1393.77
02-Apr-2008	1224	DR	M-SCOPE	36.90	0.00	1.32	35.58	1396.42
23-Jul-2008	1211	DR	M-SCOPE	38.07	0.00	1.32	36.75	1395.25
24-Oct-2008	1126	DR	M-SCOPE	38.14	0.00	1.32	36.82	1395.18
19-Jan-2009	1128	DR	M-SCOPE	37.01	0.00	1.32	35.69	1396.31
09-Apr-2009	1039	DR	M-SCOPE	34.85	0.00	1.32	33.53	1398.47
20-Jul-2009	1258	DR	M-SCOPE	37.11	0.00	1.32	35.79	1396.21
20-Oct-2009	1125	DR	M-SCOPE	35.65	0.00	1.32	34.33	1397.67
14-Jan-2010	1411	DR	M-SCOPE	33.24	0.00	1.32	31.92	1400.08
15-Apr-2010	1053	DR	M-SCOPE	33.27	0.00	1.32	31.95	1400.05
16-Jul-2010	1153	DR	M-SCOPE	36.33	0.00	1.32	35.01	1396.99
20-Oct-2010	1407	DR	M-SCOPE	35.02	0.00	1.32	33.70	1398.30
20-Jan-2011	1556	DR	M-SCOPE	33.50	0.00	1.32	32.18	1399.82
07-Apr-2011	1112	DR	M-SCOPE	32.25	0.00	1.32	30.93	1401.07
21-Jul-2011	1525	DR	M-SCOPE	41.06	0.00	1.32	39.74	1392.26
18-Oct-2011	1045	DR	M-SCOPE	40.45	0.00	1.32	39.13	1392.87
17-Jan-2012	1409	DR	M-SCOPE	38.80	0.00	1.32	37.48	1394.52
01-Mar-2012	1530	DR	M-SCOPE	39.11	0.00	1.32	37.79	1394.21
27-Apr-2012	1352	DR	M-SCOPE	37.90	0.00	1.32	36.58	1395.42
30-Jul-2012	1634	DR	M-SCOPE	46.79	0.00	1.32	45.47	1386.53
19-Oct-2012	1252	DR	M-SCOPE	40.93	0.00	1.32	39.61	1392.39

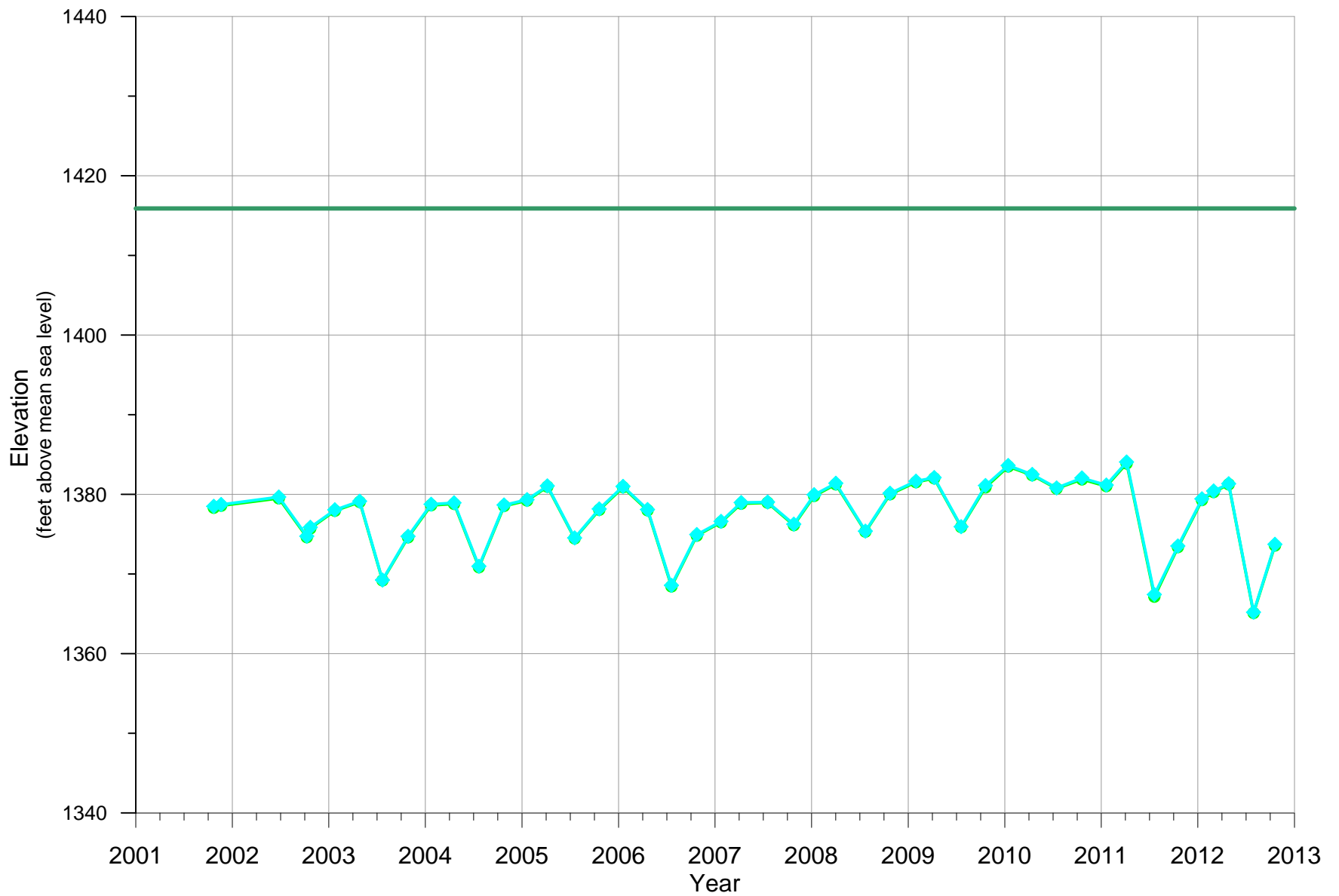


Figure D.11
 INDEX WELL HYDROGRAPHS
 IW-11A & IW11C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1530	TB	M-SCOPE	39.10		1.70	37.40	1378.50
20-Nov-2001	1000	TB	M-SCOPE	38.88		1.70	37.18	1378.72
26-Jun-2002	915	TB	M-SCOPE	37.93		1.70	36.23	1379.67
10-Oct-2002	1445	CM	M-SCOPE	42.86		1.70	41.16	1374.74
23-Oct-2002	1250	MTD	M-SCOPE	41.74		1.70	40.04	1375.86
24-Jan-2003	1118	TB	M-SCOPE	39.55	0.00	1.70	37.85	1378.05
28-Apr-2003	1256	TB	M-SCOPE	38.46	0.00	1.70	36.76	1379.14
23-Jul-2003	1237	TB	M-SCOPE	48.36	0.00	1.70	46.66	1369.24
28-Oct-2003	1256	TB	M-SCOPE	42.87	0.00	1.70	41.17	1374.73
23-Jan-2004	919	TB	M-SCOPE	38.84	0.00	1.70	37.14	1378.76
19-Apr-2004	1346	TB	M-SCOPE	38.67	0.00	1.70	36.97	1378.93
22-Jul-2004	1231	TB	M-SCOPE	46.63	0.00	1.70	44.93	1370.97
25-Oct-2004	1336	TB	M-SCOPE	38.94	0.00	1.70	37.24	1378.66
20-Jan-2005	1306	TB	M-SCOPE	38.27	0.00	1.70	36.57	1379.33
07-Apr-2005	1111	TB	M-SCOPE	36.55	0.00	1.70	34.85	1381.05
19-Jul-2005	1339	TB	M-SCOPE	43.08	0.00	1.70	41.38	1374.52
20-Oct-2005	1210	DR	M-SCOPE	39.43	0.00	1.70	37.73	1378.17
18-Jan-2006	1043	DR	M-SCOPE	36.60	0.00	1.70	34.90	1381.00
21-Apr-2006	1538	DR	M-SCOPE	39.51	0.00	1.70	37.81	1378.09
20-Jul-2006	1155	DR	M-SCOPE	49.02	0.00	1.70	47.32	1368.58
24-Oct-2006	1238	DR	M-SCOPE	42.65	0.00	1.70	40.95	1374.95
24-Jan-2007	938	DR	M-SCOPE	41.00	0.00	1.70	39.30	1376.60
10-Apr-2007	1227	DR	M-SCOPE	38.63	0.00	1.70	36.93	1378.97
19-Jul-2007	1206	DR	M-SCOPE	38.58	0.00	1.70	36.88	1379.02
26-Oct-2007	1200	DR	M-SCOPE	41.35	0.00	1.70	39.65	1376.25
11-Jan-2008	1329	DR	M-SCOPE	37.65	0.00	1.70	35.95	1379.95
02-Apr-2008	1233	DR	M-SCOPE	36.21	0.00	1.70	34.51	1381.39
23-Jul-2008	1202	DR	M-SCOPE	42.22	0.00	1.70	40.52	1375.38
24-Oct-08	1651	DR	M-SCOPE	37.47	0	1.7	35.77	1380.13
30-Jan-2009	1309	DR	M-SCOPE	35.95	0.00	1.70	34.25	1381.65
09-Apr-2009	1050	DR	M-SCOPE	35.50	0.00	1.70	33.80	1382.10
20-Jul-2009	1350	DR	M-SCOPE	41.66	0.00	1.70	39.96	1375.94
20-Oct-2009	1054	DR	M-SCOPE	36.50	0.00	1.70	34.80	1381.10
14-Jan-2010	1242	DR	M-SCOPE	33.98	0.00	1.70	32.28	1383.62
15-Apr-2010	1023	DR	M-SCOPE	35.11	0.00	1.70	33.41	1382.49
16-Jul-2010	1144	DR	M-SCOPE	36.80	0.00	1.70	35.10	1380.80
20-Oct-2010	1342	DR	M-SCOPE	35.55	0.00	1.70	33.85	1382.05
20-Jan-2011	1607	DR	M-SCOPE	36.43	0.00	1.70	34.73	1381.17
07-Apr-2011	1059	DR	M-SCOPE	33.54	0.00	1.70	31.84	1384.06
21-Jul-2011	1513	DR	M-SCOPE	50.18	0.00	1.70	48.48	1367.42
18-Oct-2011	1036	DR	M-SCOPE	44.09	0.00	1.70	42.39	1373.51
17-Jan-2012	1356	DR	M-SCOPE	38.17	0.00	1.70	36.47	1379.43
01-Mar-2012	1540	DR	M-SCOPE	37.18	0.00	1.70	35.48	1380.42
27-Apr-2012	1412	DR	M-SCOPE	36.27	0.00	1.70	34.57	1381.33
30-Jul-2012	1645	DR	M-SCOPE	52.41	0.00	1.70	50.71	1365.19
19-Oct-2012	1303	DR	M-SCOPE	43.88	0.00	1.70	42.18	1373.72

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
23-Oct-2001	1535	TB	M-SCOPE	39.51		2.13	37.38	1378.32
20-Nov-2001	1145	TB	M-SCOPE	39.25		2.13	37.12	1378.58
26-Jun-2002	1135	TB	M-SCOPE	38.33		2.13	36.20	1379.50
10-Oct-2002	1450	CM	M-SCOPE	43.21		2.13	41.08	1374.62
23-Oct-2002	1253	MTD	M-SCOPE	42.10		2.13	39.97	1375.73
24-Jan-2003	1119	TB	M-SCOPE	39.89	0.00	2.13	37.76	1377.94
28-Apr-2003	1256	TB	M-SCOPE	38.79	0.00	2.13	36.66	1379.04
23-Jul-2003	1238	TB	M-SCOPE	48.64	0.00	2.13	46.51	1369.19
28-Oct-2003	1256	TB	M-SCOPE	43.22	0.00	2.13	41.09	1374.61
23-Jan-2004	919	TB	M-SCOPE	39.20	0.00	2.13	37.07	1378.63
19-Apr-2004	1347	TB	M-SCOPE	39.03	0.00	2.13	36.90	1378.80
22-Jul-2004	1231	TB	M-SCOPE	46.98	0.00	2.13	44.85	1370.85
25-Oct-2004	1337	TB	M-SCOPE	39.29	0.00	2.13	37.16	1378.54
20-Jan-2005	1307	TB	M-SCOPE	38.61	0.00	2.13	36.48	1379.22
07-Apr-2005	1112	TB	M-SCOPE	36.87	0.00	2.13	34.74	1380.96
19-Jul-2005	1340	TB	M-SCOPE	43.37	0.00	2.13	41.24	1374.46
20-Oct-2005	1211	DR	M-SCOPE	39.78	0.00	2.13	37.65	1378.05
18-Jan-2006	1044	DR	M-SCOPE	36.94	0.00	2.13	34.81	1380.89
21-Apr-2006	1537	DR	M-SCOPE	39.84	0.00	2.13	37.71	1377.99
20-Jul-2006	1155	DR	M-SCOPE	49.39	0.00	2.13	47.26	1368.44
24-Oct-2006	1238	DR	M-SCOPE	43.01	0.00	2.13	40.88	1374.82
24-Jan-2007	938	DR	M-SCOPE	41.33	0.00	2.13	39.20	1376.50
10-Apr-2007	1227	DR	M-SCOPE	39.00	0.00	2.13	36.87	1378.83
19-Jul-2007	1206	DR	M-SCOPE	38.88	0.00	2.13	36.75	1378.95
26-Oct-2007	1200	DR	M-SCOPE	41.70	0.00	2.13	39.57	1376.13
11-Jan-2008	1329	DR	M-SCOPE	38.03	0.00	2.13	35.90	1379.80
02-Apr-2008	1233	DR	M-SCOPE	36.57	0.00	2.13	34.44	1381.26
23-Jul-2008	1201	DR	M-SCOPE	42.52	0.00	2.13	40.39	1375.31
24-Oct-2008	1651	DR	M-SCOPE	37.82	0.00	2.13	35.69	1380.01
30-Jan-2009	1348	DR	M-SCOPE	36.30	0.00	2.13	34.17	1381.53
09-Apr-2009	1049	DR	M-SCOPE	35.82	0.00	2.13	33.69	1382.01
20-Jul-2009	1349	DR	M-SCOPE	41.94	0.00	2.13	39.81	1375.89
20-Oct-2009	1055	DR	M-SCOPE	36.95	0.00	2.13	34.82	1380.88
14-Jan-2010	1242	DR	M-SCOPE	34.34	0.00	2.13	32.21	1383.49
15-Apr-2010	1023	DR	M-SCOPE	35.43	0.00	2.13	33.30	1382.40
16-Jul-2010	1144	DR	M-SCOPE	37.10	0.00	2.13	34.97	1380.73
20-Oct-2010	1342	DR	M-SCOPE	35.95	0.00	2.13	33.82	1381.88
20-Jan-2011	1607	DR	M-SCOPE	36.81	0.00	2.13	34.68	1381.02
07-Apr-2011	1058	DR	M-SCOPE	33.95	0.00	2.13	31.82	1383.88
21-Jul-2011	1513	DR	M-SCOPE	50.68	0.00	2.13	48.55	1367.15
18-Oct-2011	1036	DR	M-SCOPE	44.46	0.00	2.13	42.33	1373.37
17-Jan-2012	1356	DR	M-SCOPE	38.55	0.00	2.13	36.42	1379.28
01-Mar-2012	1539	DR	M-SCOPE	37.55	0.00	2.13	35.42	1380.28
27-Apr-2012	1412	DR	M-SCOPE	36.57	0.00	2.13	34.44	1381.26
30-Jul-2012	1645	DR	M-SCOPE	52.72	0.00	2.13	50.59	1365.11
19-Oct-2012	1303	DR	M-SCOPE	44.25	0.00	2.13	42.12	1373.58

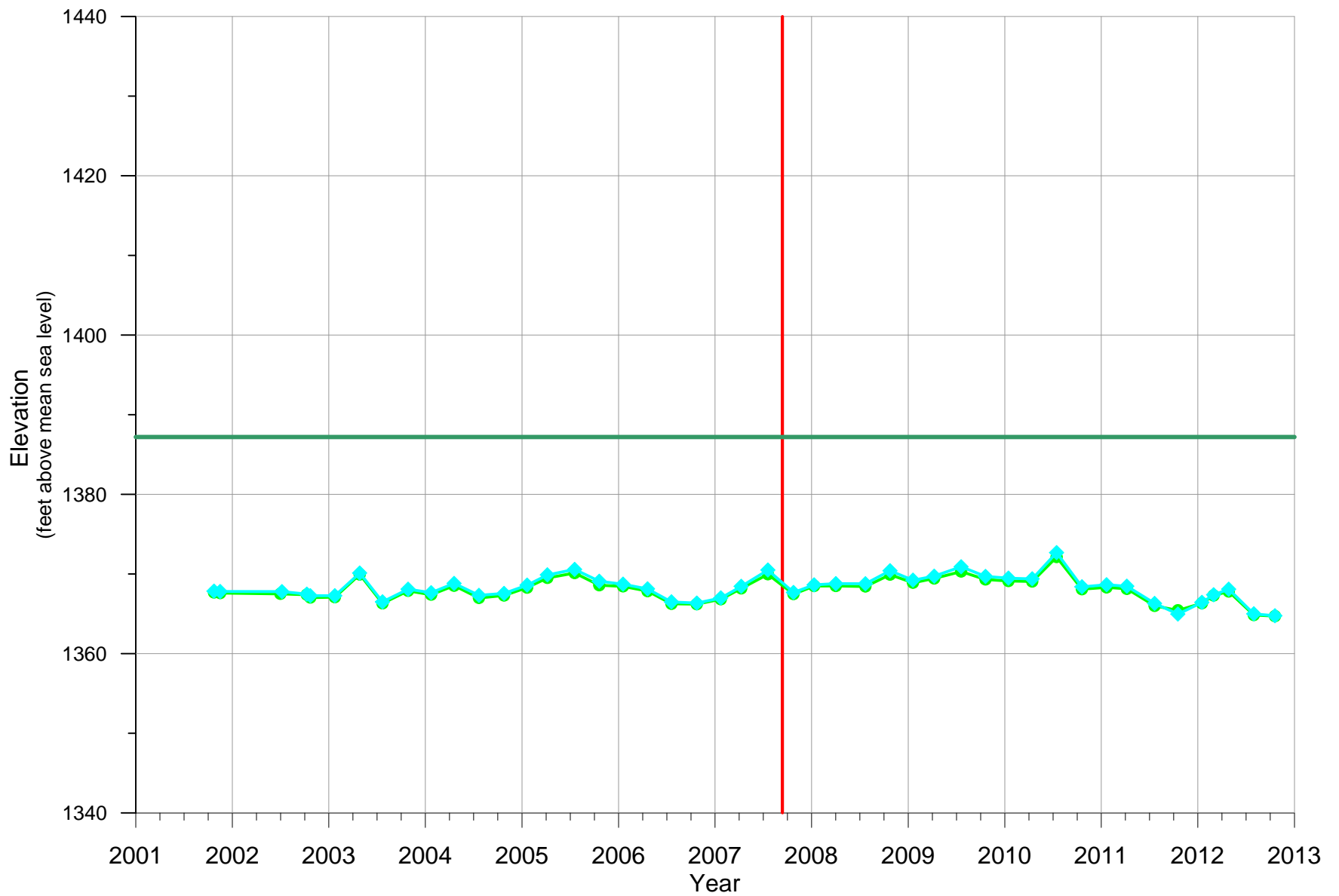


Figure D.12
 INDEX WELL HYDROGRAPHS
 IW-12A & IW12C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	940	TB	M-SCOPE	20.95		1.59	19.36	1367.84
16-Nov-2001	1040	TB	M-SCOPE	20.99		1.59	19.40	1367.80
08-Jul-2002	940	TB	M-SCOPE	21.00		1.59	19.41	1367.79
10-Oct-2002	1510	CM	M-SCOPE	21.32		1.59	19.73	1367.47
23-Oct-2002	1303	MTD	M-SCOPE	21.52		1.59	19.93	1367.27
24-Jan-2003	1139	TB	M-SCOPE	21.52	0.00	1.59	19.93	1367.27
28-Apr-2003	1309	TB	M-SCOPE	18.67	0.00	1.59	17.08	1370.12
23-Jul-2003	1249	TB	M-SCOPE	22.29	0.00	1.59	20.70	1366.50
28-Oct-2003	1315	TB	M-SCOPE	20.70	0.00	1.59	19.11	1368.09
23-Jan-2004	903	TB	M-SCOPE	21.14	0.00	1.59	19.55	1367.65
19-Apr-2004	1401	TB	M-SCOPE	19.97	0.00	1.59	18.38	1368.82
22-Jul-2004	1244	TB	M-SCOPE	21.47	0.00	1.59	19.88	1367.32
25-Oct-2004	1353	TB	M-SCOPE	21.23	0.00	1.59	19.64	1367.56
20-Jan-2005	1320	TB	M-SCOPE	20.19	0.00	1.59	18.60	1368.60
07-Apr-2005	1520	TB	M-SCOPE	18.90	0.00	1.59	17.31	1369.89
19-Jul-2005	1355	TB	M-SCOPE	18.21	0.00	1.59	16.62	1370.58
20-Oct-2005	928	DR	M-SCOPE	19.70	0.00	1.59	18.11	1369.09
18-Jan-2006	1056	DR	M-SCOPE	20.07	0.00	1.59	18.48	1368.72
21-Apr-2006	1412	DR	M-SCOPE	20.66	0.00	1.59	19.07	1368.13
20-Jul-2006	1559	DR	M-SCOPE	22.30	0.00	1.59	20.71	1366.49
24-Oct-2006	1249	DR	M-SCOPE	22.44	0.00	1.59	20.85	1366.35
23-Jan-2007	1125	DR	M-SCOPE	21.80	0.00	1.59	20.21	1366.99
10-Apr-2007	1449	DR	M-SCOPE	20.34	0.00	1.59	18.75	1368.45
20-Jul-2007	1205	DR	M-SCOPE	18.30	0.00	1.59	16.71	1370.49
25-Oct-2007	1414	DR	M-SCOPE	21.11	0.00	1.59	19.52	1367.68
11-Jan-2008	1553	DR	M-SCOPE	20.15	0.00	1.59	18.56	1368.64
02-Apr-2008	1248	DR	M-SCOPE	20.00	0.00	1.59	18.41	1368.79
23-Jul-2008	1132	DR	M-SCOPE	20.02	0.00	1.59	18.43	1368.77
24-Oct-2008	1538	DR	M-SCOPE	18.38	0.00	1.59	16.79	1370.41
19-Jan-2009	1115	DR	M-SCOPE	19.57	0.00	1.59	17.98	1369.22
09-Apr-2009	1442	DR	M-SCOPE	19.06	0.00	1.59	17.47	1369.73
20-Jul-2009	1409	DR	M-SCOPE	17.88	0.00	1.59	16.29	1370.91
20-Oct-2009	1108	DR	M-SCOPE	19.09	0.00	1.59	17.50	1369.70
15-Jan-2010	1732	DR	M-SCOPE	19.31	0.00	1.59	17.72	1369.48
15-Apr-2010	1034	DR	M-SCOPE	19.40	0.00	1.59	17.81	1369.39
16-Jul-2010	1133	DR	M-SCOPE	16.11	0.00	1.59	14.52	1372.68
20-Oct-2010	1328	DR	M-SCOPE	20.40	0.00	1.59	18.81	1368.39
21-Jan-2011	1618	DR	M-SCOPE	20.14	0.00	1.59	18.55	1368.65
08-Apr-2011	1619	DR	M-SCOPE	20.33	0.00	1.59	18.74	1368.46
22-Jul-2011	1254	DR	M-SCOPE	22.49	0.00	1.59	20.90	1366.30
18-Oct-2011	1527	DR	M-SCOPE	23.83	0.00	1.59	22.24	1364.96
17-Jan-2012	1622	DR	M-SCOPE	22.35	0.00	1.59	20.76	1366.44
01-Mar-2012	1557	DR	M-SCOPE	21.40	0.00	1.59	19.81	1367.39
27-Apr-2012	1557	DR	M-SCOPE	20.70	0.00	1.59	19.11	1368.09
31-Jul-2012	1540	DR	M-SCOPE	23.80	0.00	1.59	22.21	1364.99
19-Oct-2012	1413	DR	M-SCOPE	24.03	0.00	1.59	22.44	1364.76

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	945	TB	M-SCOPE	21.33		1.61	19.72	1367.68
16-Nov-2001	1210	TB	M-SCOPE	21.40		1.61	19.79	1367.61
02-Jul-2002	1200	TB	M-SCOPE	21.50		1.61	19.89	1367.51
10-Oct-2002	1515	CM	M-SCOPE	21.61		1.61	20.00	1367.40
23-Oct-2002	1305	MTD	M-SCOPE	21.97		1.61	20.36	1367.04
24-Jan-2003	1139	TB	M-SCOPE	21.92	0.00	1.61	20.31	1367.09
28-Apr-2003	1310	TB	M-SCOPE	19.07	0.00	1.61	17.46	1369.94
23-Jul-2003	1250	TB	M-SCOPE	22.70	0.00	1.61	21.09	1366.31
28-Oct-2003	1316	TB	M-SCOPE	21.12	0.00	1.61	19.51	1367.89
23-Jan-2004	904	TB	M-SCOPE	21.61	0.00	1.61	20.00	1367.40
19-Apr-2004	1402	TB	M-SCOPE	20.48	0.00	1.61	18.87	1368.53
22-Jul-2004	1244	TB	M-SCOPE	22.02	0.00	1.61	20.41	1366.99
25-Oct-2004	1353	TB	M-SCOPE	21.71	0.00	1.61	20.10	1367.30
20-Jan-2005	1320	TB	M-SCOPE	20.72	0.00	1.61	19.11	1368.29
07-Apr-2005	1520	TB	M-SCOPE	19.50	0.00	1.61	17.89	1369.51
19-Jul-2005	1356	TB	M-SCOPE	18.89	0.00	1.61	17.28	1370.12
20-Oct-2005	929	DR	M-SCOPE	20.42	0.00	1.61	18.81	1368.59
18-Jan-2006	1057	DR	M-SCOPE	20.56	0.00	1.61	18.95	1368.45
21-Apr-2006	1411	DR	M-SCOPE	21.16	0.00	1.61	19.55	1367.85
20-Jul-2006	1559	DR	M-SCOPE	22.75	0.00	1.61	21.14	1366.26
24-Oct-2006	1249	DR	M-SCOPE	22.80	0.00	1.61	21.19	1366.21
23-Jan-2007	1126	DR	M-SCOPE	22.18	0.00	1.61	20.57	1366.83
10-Apr-2007	1450	DR	M-SCOPE	20.82	0.00	1.61	19.21	1368.19
20-Jul-2007	1205	DR	M-SCOPE	19.05	0.00	1.61	17.44	1369.96
25-Oct-2007	1415	DR	M-SCOPE	21.53	0.00	1.61	19.92	1367.48
11-Jan-2008	1553	DR	M-SCOPE	20.52	0.00	1.61	18.91	1368.49
02-Apr-2008	1248	DR	M-SCOPE	20.51	0.00	1.61	18.90	1368.50
23-Jul-2008	1132	DR	M-SCOPE	20.58	0.00	1.61	18.97	1368.43
24-Oct-2008	1538	DR	M-SCOPE	19.09	0.00	1.61	17.48	1369.92
19-Jan-2009	1115	DR	M-SCOPE	20.11	0.00	1.61	18.50	1368.90
09-Apr-2009	1442	DR	M-SCOPE	19.57	0.00	1.61	17.96	1369.44
20-Jul-2009	1409	DR	M-SCOPE	18.70	0.00	1.61	17.09	1370.31
20-Oct-2009	1108	DR	M-SCOPE	19.70	0.00	1.61	18.09	1369.31
15-Jan-2010	1732	DR	M-SCOPE	19.89	0.00	1.61	18.28	1369.12
15-Apr-2010	1034	DR	M-SCOPE	19.95	0.00	1.61	18.34	1369.06
16-Jul-2010	1133	DR	M-SCOPE	16.88	0.00	1.61	15.27	1372.13
20-Oct-2010	1329	DR	M-SCOPE	20.92	0.00	1.61	19.31	1368.09
21-Jan-2011	1617	DR	M-SCOPE	20.69	0.00	1.61	19.08	1368.32
08-Apr-2011	1619	DR	M-SCOPE	20.87	0.00	1.61	19.26	1368.14
22-Jul-2011	1255	DR	M-SCOPE	23.01	0.00	1.61	21.40	1366.00
18-Oct-2011	1527	DR	M-SCOPE	23.58	0.00	1.61	21.97	1365.43
17-Jan-2012	1622	DR	M-SCOPE	22.68	0.00	1.61	21.07	1366.33
01-Mar-2012	1558	DR	M-SCOPE	21.71	0.00	1.61	20.10	1367.30
27-Apr-2012	1558	DR	M-SCOPE	21.21	0.00	1.61	19.60	1367.80
31-Jul-2012	1540	DR	M-SCOPE	24.16	0.00	1.61	22.55	1364.85
19-Oct-2012	1413	DR	M-SCOPE	24.30	0.00	1.61	22.69	1364.71

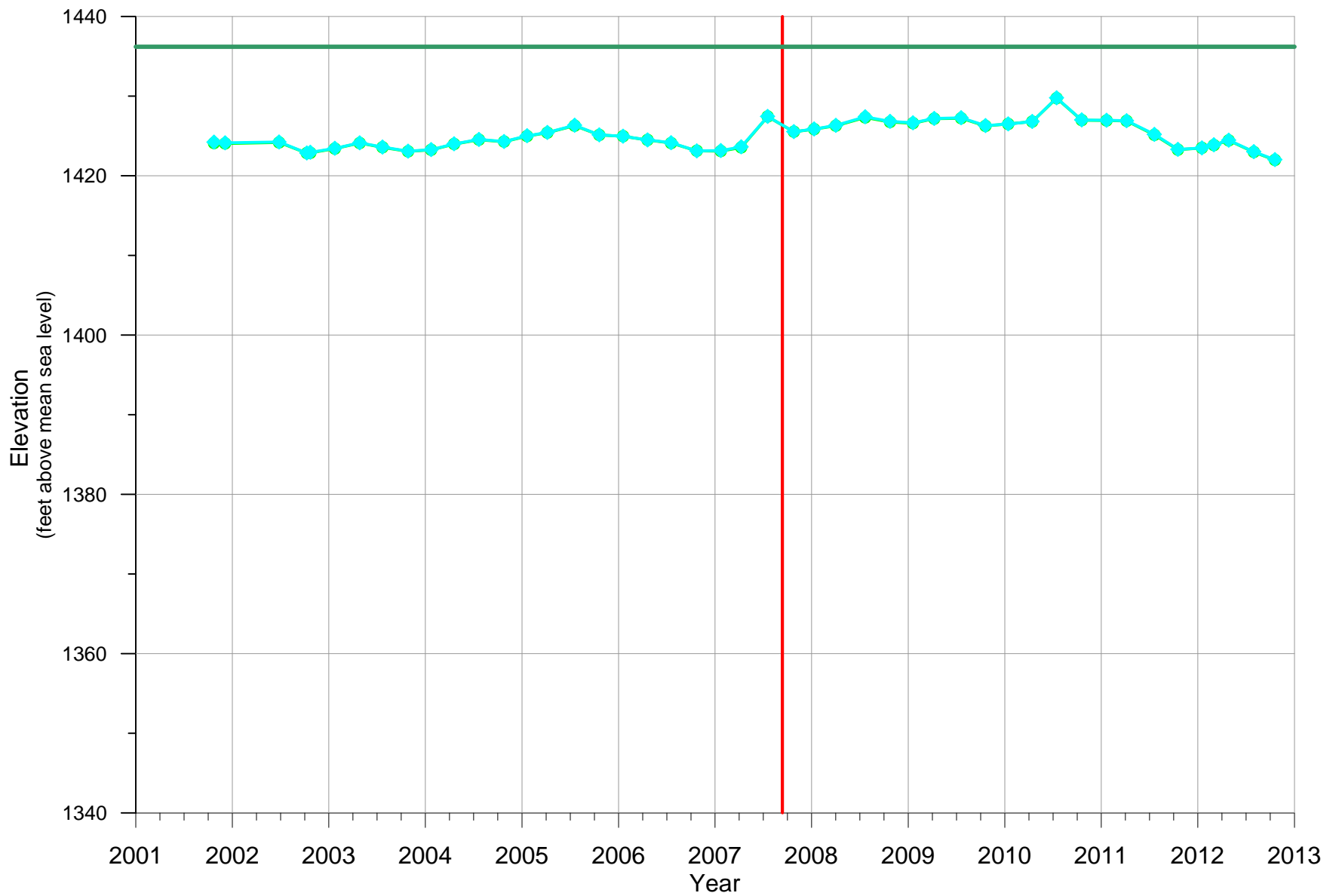


Figure D.13
 INDEX WELL HYDROGRAPHS
 IW-13A & IW13C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1025	TB	M-SCOPE	13.80		1.82	11.98	1424.22
05-Dec-2001	1100	TB	M-SCOPE	13.88		1.82	12.06	1424.14
27-Jun-2002	905	TB	M-SCOPE	13.78		1.82	11.96	1424.24
10-Oct-2002	1530	CM	M-SCOPE	15.16		1.82	13.34	1422.86
23-Oct-2002	1349	MTD	M-SCOPE	15.07		1.82	13.25	1422.95
24-Jan-2003	1254	TB	M-SCOPE	14.57	0.00	1.82	12.75	1423.45
28-Apr-2003	1430	TB	M-SCOPE	13.88	0.00	1.82	12.06	1424.14
23-Jul-2003	1349	TB	M-SCOPE	14.41	0.00	1.82	12.59	1423.61
28-Oct-2003	1429	TB	M-SCOPE	14.93	0.00	1.82	13.11	1423.09
23-Jan-2004	1021	TB	M-SCOPE	14.74	0.00	1.82	12.92	1423.28
19-Apr-2004	1514	TB	M-SCOPE	14.01	0.00	1.82	12.19	1424.01
22-Jul-2004	1342	TB	M-SCOPE	13.46	0.00	1.82	11.64	1424.56
25-Oct-2004	1530	TB	M-SCOPE	13.72	0.00	1.82	11.90	1424.30
20-Jan-2005	1455	TB	M-SCOPE	13.00	0.00	1.82	11.18	1425.02
07-Apr-2005	1211	TB	M-SCOPE	12.58	0.00	1.82	10.76	1425.44
19-Jul-2005	1458	TB	M-SCOPE	11.68	0.00	1.82	9.86	1426.34
20-Oct-2005	1301	DR	M-SCOPE	12.88	0.00	1.82	11.06	1425.14
18-Jan-2006	1155	DR	M-SCOPE	13.06	0.00	1.82	11.24	1424.96
21-Apr-2006	1315	DR	M-SCOPE	13.52	0.00	1.82	11.70	1424.50
19-Jul-2006	1358	DR	M-SCOPE	13.87	0.00	1.82	12.05	1424.15
24-Oct-2006	1405	DR	M-SCOPE	14.90	0.00	1.82	13.08	1423.12
23-Jan-2007	1620	DR	M-SCOPE	14.85	0.00	1.82	13.03	1423.17
10-Apr-2007	923	DR	M-SCOPE	14.39	0.00	1.82	12.57	1423.63
19-Jul-2007	1254	DR	M-SCOPE	10.57	0.00	1.82	8.75	1427.45
26-Oct-2007	1241	DR	M-SCOPE	12.48	0.00	1.82	10.66	1425.54
11-Jan-2008	1225	DR	M-SCOPE	12.15	0.00	1.82	10.33	1425.87
02-Apr-2008	1334	DR	M-SCOPE	11.69	0.00	1.82	9.87	1426.33
22-Jul-2008	1420	DR	M-SCOPE	10.62	0.00	1.82	8.80	1427.40
24-Oct-2008	1345	DR	M-SCOPE	11.19	0.00	1.82	9.37	1426.83
19-Jan-2009	1148	DR	M-SCOPE	11.37	0.00	1.82	9.55	1426.65
09-Apr-2009	1153	DR	M-SCOPE	10.82	0.00	1.82	9.00	1427.20
20-Jul-2009	1551	DR	M-SCOPE	10.74	0.00	1.82	8.92	1427.28
20-Oct-2009	1148	DR	M-SCOPE	11.72	0.00	1.82	9.90	1426.30
14-Jan-2010	1338	DR	M-SCOPE	11.51	0.00	1.82	9.69	1426.51
15-Apr-2010	1408	DR	M-SCOPE	11.21	0.00	1.82	9.39	1426.81
16-Jul-2010	1230	DR	M-SCOPE	8.24	0.00	1.82	6.42	1429.78
19-Oct-2010	1622	DR	M-SCOPE	11.01	0.00	1.82	9.19	1427.01
21-Jan-2011	1211	DR	M-SCOPE	11.05	0.00	1.82	9.23	1426.97
07-Apr-2011	1258	DR	M-SCOPE	11.11	0.00	1.82	9.29	1426.91
21-Jul-2011	1602	DR	M-SCOPE	12.82	0.00	1.82	11.00	1425.20
18-Oct-2011	1122	DR	M-SCOPE	14.70	0.00	1.82	12.88	1423.32
17-Jan-2012	1100	DR	M-SCOPE	14.53	0.00	1.82	12.71	1423.49
02-Mar-2012	855	DR	M-SCOPE	14.13	0.00	1.82	12.31	1423.89
27-Apr-2012	1153	DR	M-SCOPE	13.55	0.00	1.82	11.73	1424.47
31-Jul-2012	1434	DR	M-SCOPE	15.00	0.00	1.82	13.18	1423.02
19-Oct-2012	1019	DR	M-SCOPE	16.00	0.00	1.82	14.18	1422.02

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1030	TB	M-SCOPE	14.25		1.85	12.40	1424.10
05-Dec-2001	1230	TB	M-SCOPE	14.30		1.85	12.45	1424.05
27-Jun-2002	1205	TB	M-SCOPE	14.17		1.85	12.32	1424.18
10-Oct-2002	1535	CM	M-SCOPE	15.51		1.85	13.66	1422.84
23-Oct-2002	1351	MTD	M-SCOPE	15.47		1.85	13.62	1422.88
24-Jan-2003	1255	TB	M-SCOPE	14.94	0.00	1.85	13.09	1423.41
28-Apr-2003	1431	TB	M-SCOPE	14.24	0.00	1.85	12.39	1424.11
23-Jul-2003	1349	TB	M-SCOPE	14.78	0.00	1.85	12.93	1423.57
28-Oct-2003	1430	TB	M-SCOPE	15.29	0.00	1.85	13.44	1423.06
23-Jan-2004	1021	TB	M-SCOPE	15.10	0.00	1.85	13.25	1423.25
19-Apr-2004	1514	TB	M-SCOPE	14.37	0.00	1.85	12.52	1423.98
22-Jul-2004	1342	TB	M-SCOPE	13.83	0.00	1.85	11.98	1424.52
25-Oct-2004	1530	TB	M-SCOPE	14.07	0.00	1.85	12.22	1424.28
20-Jan-2005	1455	TB	M-SCOPE	13.37	0.00	1.85	11.52	1424.98
07-Apr-2005	1211	TB	M-SCOPE	12.94	0.00	1.85	11.09	1425.41
19-Jul-2005	1459	TB	M-SCOPE	12.06	0.00	1.85	10.21	1426.29
20-Oct-2005	1302	DR	M-SCOPE	13.23	0.00	1.85	11.38	1425.12
18-Jan-2006	1156	DR	M-SCOPE	13.39	0.00	1.85	11.54	1424.96
21-Apr-2006	1315	DR	M-SCOPE	13.86	0.00	1.85	12.01	1424.49
19-Jul-2006	1357	DR	M-SCOPE	14.24	0.00	1.85	12.39	1424.11
24-Oct-2006	1405	DR	M-SCOPE	15.22	0.00	1.85	13.37	1423.13
23-Jan-2007	1620	DR	M-SCOPE	15.25	0.00	1.85	13.40	1423.10
10-Apr-2007	923	DR	M-SCOPE	14.80	0.00	1.85	12.95	1423.55
19-Jul-2007	1254	DR	M-SCOPE	10.92	0.00	1.85	9.07	1427.43
26-Oct-2007	1241	DR	M-SCOPE	12.83	0.00	1.85	10.98	1425.52
11-Jan-2008	1225	DR	M-SCOPE	12.50	0.00	1.85	10.65	1425.85
02-Apr-2008	1334	DR	M-SCOPE	12.07	0.00	1.85	10.22	1426.28
22-Jul-2008	1420	DR	M-SCOPE	11.03	0.00	1.85	9.18	1427.32
24-Oct-2008	1344	DR	M-SCOPE	11.60	0.00	1.85	9.75	1426.75
19-Jan-2009	1147	DR	M-SCOPE	11.75	0.00	1.85	9.90	1426.60
09-Apr-2009	1153	DR	M-SCOPE	11.18	0.00	1.85	9.33	1427.17
20-Jul-2009	1551	DR	M-SCOPE	11.13	0.00	1.85	9.28	1427.22
20-Oct-2009	1148	DR	M-SCOPE	12.09	0.00	1.85	10.24	1426.26
14-Jan-2010	1339	DR	M-SCOPE	11.85	0.00	1.85	10.00	1426.50
15-Apr-2010	1408	DR	M-SCOPE	11.55	0.00	1.85	9.70	1426.80
16-Jul-2010	1229	DR	M-SCOPE	8.61	0.00	1.85	6.76	1429.74
19-Oct-2010	1622	DR	M-SCOPE	11.37	0.00	1.85	9.52	1426.98
21-Jan-2011	1211	DR	M-SCOPE	11.41	0.00	1.85	9.56	1426.94
07-Apr-2011	1258	DR	M-SCOPE	11.46	0.00	1.85	9.61	1426.89
21-Jul-2011	1602	DR	M-SCOPE	13.22	0.00	1.85	11.37	1425.13
18-Oct-2011	1122	DR	M-SCOPE	15.08	0.00	1.85	13.23	1423.27
17-Jan-2012	1101	DR	M-SCOPE	14.86	0.00	1.85	13.01	1423.49
02-Mar-2012	855	DR	M-SCOPE	14.51	0.00	1.85	12.66	1423.84
27-Apr-2012	1152	DR	M-SCOPE	13.91	0.00	1.85	12.06	1424.44
31-Jul-2012	1435	DR	M-SCOPE	15.37	0.00	1.85	13.52	1422.98
19-Oct-2012	1020	DR	M-SCOPE	16.37	0.00	1.85	14.52	1421.98

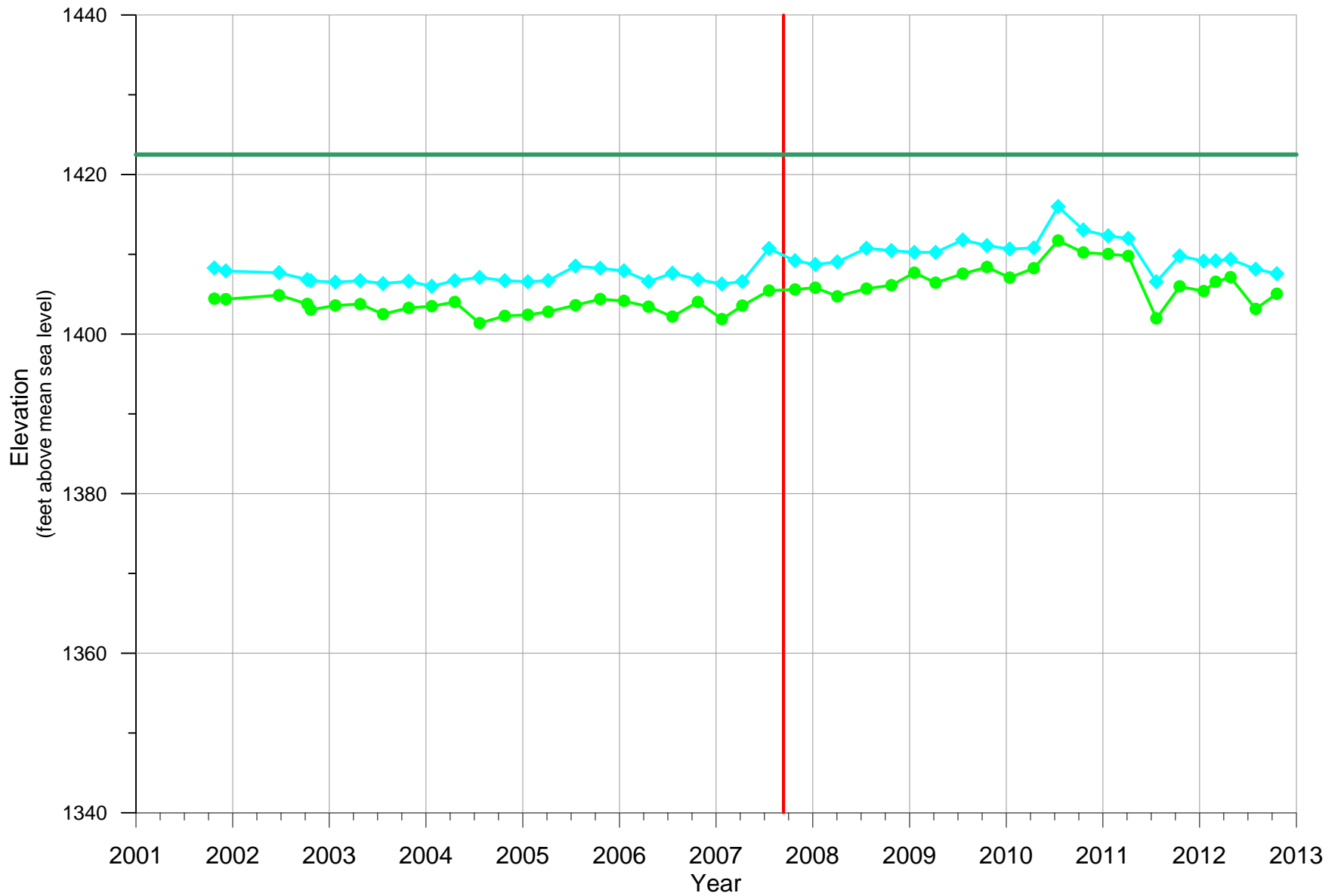


Figure D.14
 INDEX WELL HYDROGRAPHS
 IW-14A & IW14C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1100	TB	M-SCOPE	16.14		1.93	14.21	1408.29
06-Dec-2001	1020	TB	M-SCOPE	16.51		1.93	14.58	1407.92
25-Jun-2002	910	TB	M-SCOPE	16.74		1.93	14.81	1407.69
10-Oct-2002	1545	CM	M-SCOPE	17.60		1.93	15.67	1406.83
23-Oct-2002	1409	MTD	M-SCOPE	17.74		1.93	15.81	1406.69
24-Jan-2003	1238	TB	M-SCOPE	17.92	0.00	1.93	15.99	1406.51
28-Apr-2003	1410	TB	M-SCOPE	17.73	0.00	1.93	15.80	1406.70
23-Jul-2003	1336	TB	M-SCOPE	18.10	0.00	1.93	16.17	1406.33
28-Oct-2003	1415	TB	M-SCOPE	17.80	0.00	1.93	15.87	1406.63
23-Jan-2004	1034	TB	M-SCOPE	18.44	0.00	1.93	16.51	1405.99
19-Apr-2004	1458	TB	M-SCOPE	17.72	0.00	1.93	15.79	1406.71
22-Jul-2004	1329	TB	M-SCOPE	17.33	0.00	1.93	15.40	1407.10
25-Oct-2004	1515	TB	M-SCOPE	17.73	0.00	1.93	15.80	1406.70
20-Jan-2005	1438	TB	M-SCOPE	17.87	0.00	1.93	15.94	1406.56
07-Apr-2005	1221	TB	M-SCOPE	17.72	0.00	1.93	15.79	1406.71
19-Jul-2005	1446	TB	M-SCOPE	15.90	0.00	1.93	13.97	1408.53
20-Oct-2005	1410	DR	M-SCOPE	16.18	0.00	1.93	14.25	1408.25
18-Jan-2006	1145	DR	M-SCOPE	16.50	0.00	1.93	14.57	1407.93
21-Apr-2006	1305	DR	M-SCOPE	17.84	0.00	1.93	15.91	1406.59
20-Jul-2006	1234	DR	M-SCOPE	16.79	0.00	1.93	14.86	1407.64
24-Oct-2006	1354	DR	M-SCOPE	17.60	0.00	1.93	15.67	1406.83
23-Jan-2007	1512	LW	M-SCOPE	18.15	0.00	1.93	16.22	1406.28
10-Apr-2007	1056	DR	M-SCOPE	17.84	0.00	1.93	15.91	1406.59
20-Jul-2007	1138	DR	M-SCOPE	13.70	0.00	1.93	11.77	1410.73
26-Oct-2007	1334	DR	M-SCOPE	15.24	0.00	1.93	13.31	1409.19
11-Jan-2008	1236	DR	M-SCOPE	15.70	0.00	1.93	13.77	1408.73
03-Apr-2008	1126	DR	M-SCOPE	15.38	0.00	1.93	13.45	1409.05
22-Jul-2008	1429	DR	M-SCOPE	13.67	0.00	1.93	11.74	1410.76
24-Oct-2008	1310	DR	M-SCOPE	13.96	0.00	1.93	12.03	1410.47
19-Jan-2009	1242	DR	M-SCOPE	14.19	0.00	1.93	12.26	1410.24
09-Apr-2009	1224	DR	M-SCOPE	14.19	0.00	1.93	12.26	1410.24
21-Jul-2009	1556	DR	M-SCOPE	12.63	0.00	1.93	10.70	1411.80
20-Oct-2009	1256	DR	M-SCOPE	13.34	0.00	1.93	11.41	1411.09
14-Jan-2010	1450	DR	M-SCOPE	13.77	0.00	1.93	11.84	1410.66
15-Apr-2010	1402	DR	M-SCOPE	13.63	0.00	1.93	11.70	1410.80
16-Jul-2010	1259	DR	M-SCOPE	8.45	0.00	1.93	6.52	1415.98
19-Oct-2010	1607	DR	M-SCOPE	11.38	0.00	1.93	9.45	1413.05
21-Jan-2011	1322	DR	M-SCOPE	12.12	0.00	1.93	10.19	1412.31
07-Apr-2011	1533	DR	M-SCOPE	12.44	0.00	1.93	10.51	1411.99
22-Jul-2011	1256	DR	M-SCOPE	17.87	0.00	1.93	15.94	1406.56
18-Oct-2011	1209	DR	M-SCOPE	14.63	0.00	1.93	12.70	1409.80
17-Jan-2012	1115	DR	M-SCOPE	15.28	0.00	1.93	13.35	1409.15
02-Mar-2012	924	DR	M-SCOPE	15.24	0.00	1.93	13.31	1409.19
27-Apr-2012	1251	DR	M-SCOPE	15.04	0.00	1.93	13.11	1409.39
31-Jul-2012	1445	DR	M-SCOPE	16.29	0.00	1.93	14.36	1408.14
19-Oct-2012	1037	DR	M-SCOPE	16.85	0.00	1.93	14.92	1407.58

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1105	TB	M-SCOPE	20.10		1.93	18.17	1404.43
06-Dec-2001	1205	TB	M-SCOPE	20.15		1.93	18.22	1404.38
25-Jun-2002	1105	TB	M-SCOPE	19.65		1.93	17.72	1404.88
10-Oct-2002	1550	CM	M-SCOPE	20.75		1.93	18.82	1403.78
23-Oct-2002	1411	MTD	M-SCOPE	21.48		1.93	19.55	1403.05
24-Jan-2003	1239	TB	M-SCOPE	20.94	0.00	1.93	19.01	1403.59
28-Apr-2003	1410	TB	M-SCOPE	20.77	0.00	1.93	18.84	1403.76
23-Jul-2003	1337	TB	M-SCOPE	22.03	0.00	1.93	20.10	1402.50
28-Oct-2003	1415	TB	M-SCOPE	21.24	0.00	1.93	19.31	1403.29
23-Jan-2004	1034	TB	M-SCOPE	21.04	0.00	1.93	19.11	1403.49
19-Apr-2004	1459	TB	M-SCOPE	20.50	0.00	1.93	18.57	1404.03
22-Jul-2004	1329	TB	M-SCOPE	23.16	0.00	1.93	21.23	1401.37
25-Oct-2004	1516	TB	M-SCOPE	22.24	0.00	1.93	20.31	1402.29
20-Jan-2005	1439	TB	M-SCOPE	22.11	0.00	1.93	20.18	1402.42
07-Apr-2005	1222	TB	M-SCOPE	21.73	0.00	1.93	19.80	1402.80
19-Jul-2005	1447	TB	M-SCOPE	20.91	0.00	1.93	18.98	1403.62
20-Oct-2005	1411	DR	M-SCOPE	20.14	0.00	1.93	18.21	1404.39
18-Jan-2006	1145	DR	M-SCOPE	20.37	0.00	1.93	18.44	1404.16
21-Apr-2006	1306	DR	M-SCOPE	21.09	0.00	1.93	19.16	1403.44
20-Jul-2006	1234	DR	M-SCOPE	22.34	0.00	1.93	20.41	1402.19
24-Oct-2006	1354	DR	M-SCOPE	20.50	0.00	1.93	18.57	1404.03
23-Jan-2007	1511	LW	M-SCOPE	22.65	0.00	1.93	20.72	1401.88
10-Apr-2007	1056	DR	M-SCOPE	20.96	0.00	1.93	19.03	1403.57
20-Jul-2007	1138	DR	M-SCOPE	19.08	0.00	1.93	17.15	1405.45
26-Oct-2007	1334	DR	M-SCOPE	18.94	0.00	1.93	17.01	1405.59
11-Jan-2008	1237	DR	M-SCOPE	18.71	0.00	1.93	16.78	1405.82
03-Apr-2008	1126	DR	M-SCOPE	19.80	0.00	1.93	17.87	1404.73
22-Jul-2008	1429	DR	M-SCOPE	18.83	0.00	1.93	16.90	1405.70
24-Oct-2008	1311	DR	M-SCOPE	18.41	0.00	1.93	16.48	1406.12
19-Jan-2009	1242	DR	M-SCOPE	16.83	0.00	1.93	14.90	1407.70
09-Apr-2009	1224	DR	M-SCOPE	18.10	0.00	1.93	16.17	1406.43
21-Jul-2009	1557	DR	M-SCOPE	16.96	0.00	1.93	15.03	1407.57
20-Oct-2009	1256	DR	M-SCOPE	16.13	0.00	1.93	14.20	1408.40
14-Jan-2010	1451	DR	M-SCOPE	17.45	0.00	1.93	15.52	1407.08
15-Apr-2010	1402	DR	M-SCOPE	16.27	0.00	1.93	14.34	1408.26
16-Jul-2010	1300	DR	M-SCOPE	12.80	0.00	1.93	10.87	1411.73
19-Oct-2010	1608	DR	M-SCOPE	14.31	0.00	1.93	12.38	1410.22
21-Jan-2011	1322	DR	M-SCOPE	14.49	0.00	1.93	12.56	1410.04
07-Apr-2011	1534	DR	M-SCOPE	14.73	0.00	1.93	12.80	1409.80
22-Jul-2011	1256	DR	M-SCOPE	22.57	0.00	1.93	20.64	1401.96
18-Oct-2011	1208	DR	M-SCOPE	18.55	0.00	1.93	16.62	1405.98
17-Jan-2012	1115	DR	M-SCOPE	19.14	0.00	1.93	17.21	1405.39
02-Mar-2012	924	DR	M-SCOPE	17.98	0.00	1.93	16.05	1406.55
27-Apr-2012	1251	DR	M-SCOPE	17.40	0.00	1.93	15.47	1407.13
31-Jul-2012	1445	DR	M-SCOPE	21.38	0.00	1.93	19.45	1403.15
19-Oct-2012	1037	DR	M-SCOPE	19.47	0.00	1.93	17.54	1405.06

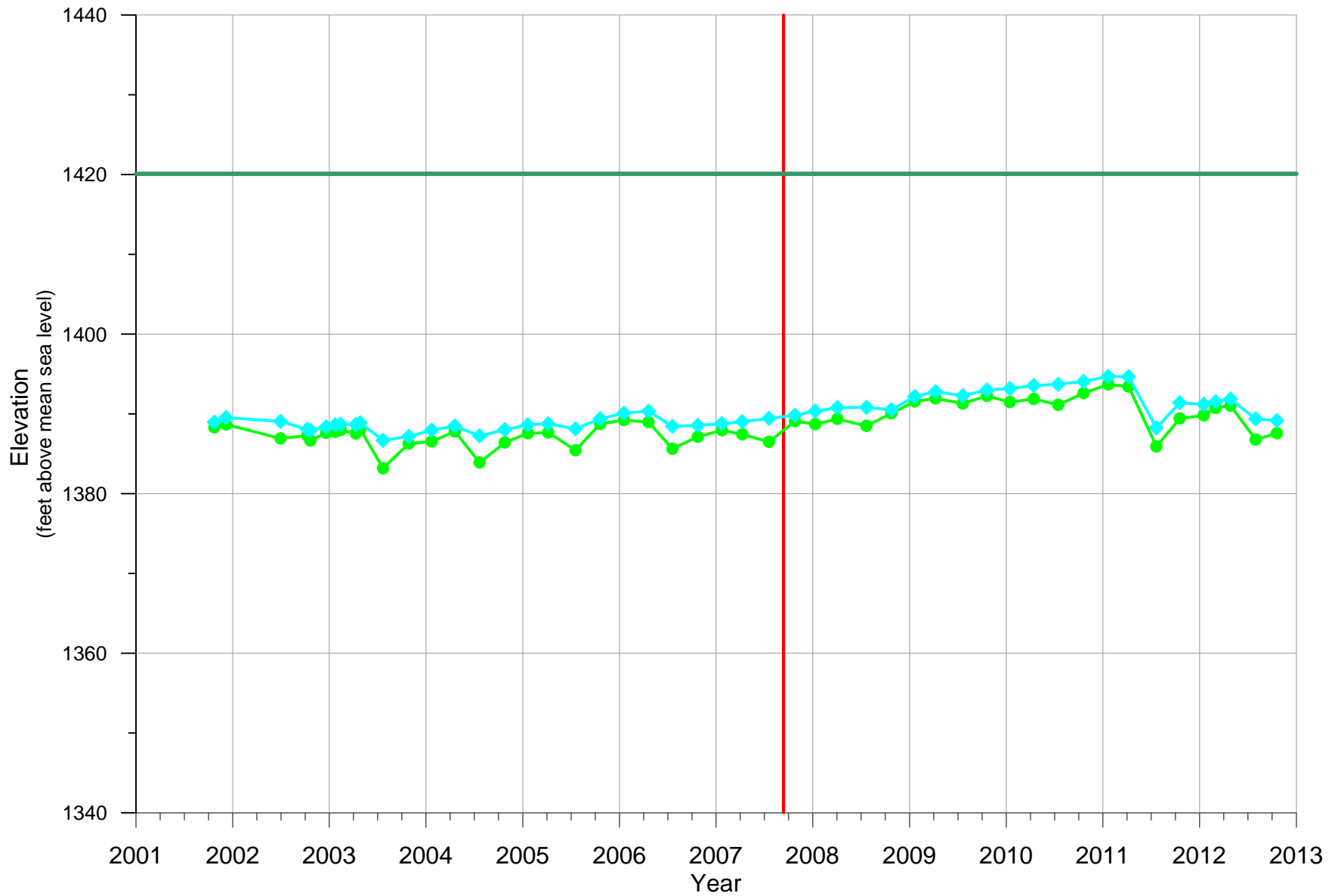


Figure D.15
 INDEX WELL HYDROGRAPHS
 IW-15A & IW15C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1140	TB	M-SCOPE	32.51		1.36	31.15	1388.95
07-Dec-2001	1035	TB	M-SCOPE	31.92		1.36	30.56	1389.54
01-Jul-2002	1010	TB	M-SCOPE	32.40		1.36	31.04	1389.06
10-Oct-2002	1610	CM	M-SCOPE	33.39		1.36	32.03	1388.07
22-Oct-2002	942	MTD	M-SCOPE	33.52		1.36	32.16	1387.94
20-Dec-2002	1128	DK	M-SCOPE	33.10	0.00	1.36	31.74	1388.36
24-Jan-2003	1223	TB	M-SCOPE	32.83	0.00	1.36	31.47	1388.63
13-Feb-2003	1141	DK	M-SCOPE	32.75	0.00	1.36	31.39	1388.71
11-Apr-2003	949	DK	M-SCOPE	32.79	0.00	1.36	31.43	1388.67
28-Apr-2003	1346	TB	M-SCOPE	32.59	0.00	1.36	31.23	1388.87
23-Jul-2003	1325	TB	M-SCOPE	34.78	0.00	1.36	33.42	1386.68
28-Oct-2003	1400	TB	M-SCOPE	34.29	0.00	1.36	32.93	1387.17
23-Jan-2004	1049	TB	M-SCOPE	33.50	0.00	1.36	32.14	1387.96
19-Apr-2004	1445	TB	M-SCOPE	32.98	0.00	1.36	31.62	1388.48
22-Jul-2004	1317	TB	M-SCOPE	34.22	0.00	1.36	32.86	1387.24
25-Oct-2004	1448	TB	M-SCOPE	33.44	0.00	1.36	32.08	1388.02
20-Jan-2005	1424	TB	M-SCOPE	32.82	0.00	1.36	31.46	1388.64
07-Apr-2005	1232	TB	M-SCOPE	32.70	0.00	1.36	31.34	1388.76
19-Jul-2005	1433	TB	M-SCOPE	33.33	0.00	1.36	31.97	1388.13
20-Oct-2005	1640	TB	M-SCOPE	32.07	0.00	1.36	30.71	1389.39
18-Jan-2006	1132	DR	M-SCOPE	31.37	0.00	1.36	30.01	1390.09
21-Apr-2006	1330	DR	M-SCOPE	31.13	0.00	1.36	29.77	1390.33
20-Jul-2006	1217	DR	M-SCOPE	33.03	0.00	1.36	31.67	1388.43
24-Oct-2006	1333	DR	M-SCOPE	32.90	0.00	1.36	31.54	1388.56
23-Jan-2007	1455	DR	M-SCOPE	32.68	0.00	1.36	31.32	1388.78
10-Apr-2007	1105	DR	M-SCOPE	32.44	0.00	1.36	31.08	1389.02
20-Jul-2007	1146	DR	M-SCOPE	32.03	0.00	1.36	30.67	1389.43
26-Oct-2007	1343	DR	M-SCOPE	31.63	0.00	1.36	30.27	1389.83
11-Jan-2008	1300	DR	M-SCOPE	31.12	0.00	1.36	29.76	1390.34
03-Apr-2008	1514	DR	M-SCOPE	30.68	0.00	1.36	29.32	1390.78
22-Jul-2008	1440	DR	M-SCOPE	30.64	0.00	1.36	29.28	1390.82
24-Oct-2008	1515	DR	M-SCOPE	30.94	0.00	1.36	29.58	1390.52
20-Jan-2009	1119	DR	M-SCOPE	29.29	0.00	1.36	27.93	1392.17
09-Apr-2009	1240	DR	M-SCOPE	28.68	0.00	1.36	27.32	1392.78
21-Jul-2009	1538	DR	M-SCOPE	29.17	0.00	1.36	27.81	1392.29
20-Oct-2009	1429	DR	M-SCOPE	28.47	0.00	1.36	27.11	1392.99
15-Jan-2010	1400	DR	M-SCOPE	28.28	0.00	1.36	26.92	1393.18
15-Apr-2010	1537	DR	M-SCOPE	27.91	0.00	1.36	26.55	1393.55
16-Jul-2010	1309	DR	M-SCOPE	27.75	0.00	1.36	26.39	1393.71
20-Oct-2010	1241	DR	M-SCOPE	27.40	0.00	1.36	26.04	1394.06
21-Jan-2011	1354	DR	M-SCOPE	26.77	0.00	1.36	25.41	1394.69
08-Apr-2011	1312	DR	M-SCOPE	26.80	0.00	1.36	25.44	1394.66
22-Jul-2011	1256	DR	M-SCOPE	33.21	0.00	1.36	31.85	1388.25
18-Oct-2011	1219	DR	M-SCOPE	30.06	0.00	1.36	28.70	1391.40
17-Jan-2012	1130	DR	M-SCOPE	30.26	0.00	1.36	28.90	1391.20
02-Mar-2012	839	DR	M-SCOPE	29.94	0.00	1.36	28.58	1391.52
27-Apr-2012	1336	DR	M-SCOPE	29.60	0.00	1.36	28.24	1391.86
31-Jul-2012	1624	DR	M-SCOPE	32.09	0.00	1.36	30.73	1389.37
19-Oct-2012	1347	DR	M-SCOPE	32.30	0.00	1.36	30.94	1389.16

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1135	TB	M-SCOPE	32.61		1.43	31.18	1388.32
07-Dec-2001	1255	TB	M-SCOPE	32.25		1.43	30.82	1388.68
01-Jul-2002	1220	TB	M-SCOPE	34.01		1.43	32.58	1386.92
10-Oct-2002	1615	CM	M-SCOPE	33.64		1.43	32.21	1387.29
22-Oct-2002	945	MTD	M-SCOPE	34.28		1.43	32.85	1386.65
20-Dec-2002	1133	DK	M-SCOPE	33.30	0.00	1.43	31.87	1387.63
24-Jan-2003	1224	TB	M-SCOPE	33.18	0.00	1.43	31.75	1387.75
13-Feb-2003	1142	DK	M-SCOPE	32.95	0.00	1.43	31.52	1387.98
11-Apr-2003	950	DK	M-SCOPE	33.38	0.00	1.43	31.95	1387.55
28-Apr-2003	1347	TB	M-SCOPE	32.87	0.00	1.43	31.44	1388.06
23-Jul-2003	1326	TB	M-SCOPE	37.75	0.00	1.43	36.32	1383.18
28-Oct-2003	1400	TB	M-SCOPE	34.66	0.00	1.43	33.23	1386.27
23-Jan-2004	1049	TB	M-SCOPE	34.39	0.00	1.43	32.96	1386.54
19-Apr-2004	1445	TB	M-SCOPE	33.13	0.00	1.43	31.70	1387.80
22-Jul-2004	1317	TB	M-SCOPE	37.03	0.00	1.43	35.60	1383.90
25-Oct-2004	1449	TB	M-SCOPE	34.51	0.00	1.43	33.08	1386.42
20-Jan-2005	1425	TB	M-SCOPE	33.37	0.00	1.43	31.94	1387.56
07-Apr-2005	1232	TB	M-SCOPE	33.26	0.00	1.43	31.83	1387.67
19-Jul-2005	1434	TB	M-SCOPE	35.49	0.00	1.43	34.06	1385.44
20-Oct-2005	1641	TB	M-SCOPE	32.20	0.00	1.43	30.77	1388.73
18-Jan-2006	1133	DR	M-SCOPE	31.70	0.00	1.43	30.27	1389.23
21-Apr-2006	1329	DR	M-SCOPE	31.97	0.00	1.43	30.54	1388.96
20-Jul-2006	1217	DR	M-SCOPE	35.29	0.00	1.43	33.86	1385.64
24-Oct-2006	1333	DR	M-SCOPE	33.79	0.00	1.43	32.36	1387.14
23-Jan-2007	1455	DR	M-SCOPE	32.98	0.00	1.43	31.55	1387.95
10-Apr-2007	1105	DR	M-SCOPE	33.49	0.00	1.43	32.06	1387.44
20-Jul-2007	1146	DR	M-SCOPE	34.44	0.00	1.43	33.01	1386.49
26-Oct-2007	1343	DR	M-SCOPE	31.84	0.00	1.43	30.41	1389.09
11-Jan-2008	1300	DR	M-SCOPE	32.22	0.00	1.43	30.79	1388.71
03-Apr-2008	1514	DR	M-SCOPE	31.56	0.00	1.43	30.13	1389.37
22-Jul-2008	1439	DR	M-SCOPE	32.44	0.00	1.43	31.01	1388.49
24-Oct-2008	1514	DR	M-SCOPE	30.86	0.00	1.43	29.43	1390.07
20-Jan-2009	1119	DR	M-SCOPE	29.38	0.00	1.43	27.95	1391.55
09-Apr-2009	1240	DR	M-SCOPE	29.00	0.00	1.43	27.57	1391.93
21-Jul-2009	1539	DR	M-SCOPE	29.63	0.00	1.43	28.20	1391.30
20-Oct-2009	1429	DR	M-SCOPE	28.67	0.00	1.43	27.24	1392.26
15-Jan-2010	1400	DR	M-SCOPE	29.45	0.00	1.43	28.02	1391.48
15-Apr-2010	1537	DR	M-SCOPE	29.05	0.00	1.43	27.62	1391.88
16-Jul-2010	1310	DR	M-SCOPE	29.80	0.00	1.43	28.37	1391.13
20-Oct-2010	1240	DR	M-SCOPE	28.32	0.00	1.43	26.89	1392.61
21-Jan-2011	1354	DR	M-SCOPE	27.24	0.00	1.43	25.81	1393.69
08-Apr-2011	1312	DR	M-SCOPE	27.50	0.00	1.43	26.07	1393.43
22-Jul-2011	1257	DR	M-SCOPE	35.01	0.00	1.43	33.58	1385.92
18-Oct-2011	1219	DR	M-SCOPE	31.51	0.00	1.43	30.08	1389.42
17-Jan-2012	1130	DR	M-SCOPE	31.11	0.00	1.43	29.68	1389.82
02-Mar-2012	839	DR	M-SCOPE	30.17	0.00	1.43	28.74	1390.76
27-Apr-2012	1336	DR	M-SCOPE	29.90	0.00	1.43	28.47	1391.03
31-Jul-2012	1624	DR	M-SCOPE	34.15	0.00	1.43	32.72	1386.78
19-Oct-2012	1348	DR	M-SCOPE	33.35	0.00	1.43	31.92	1387.58

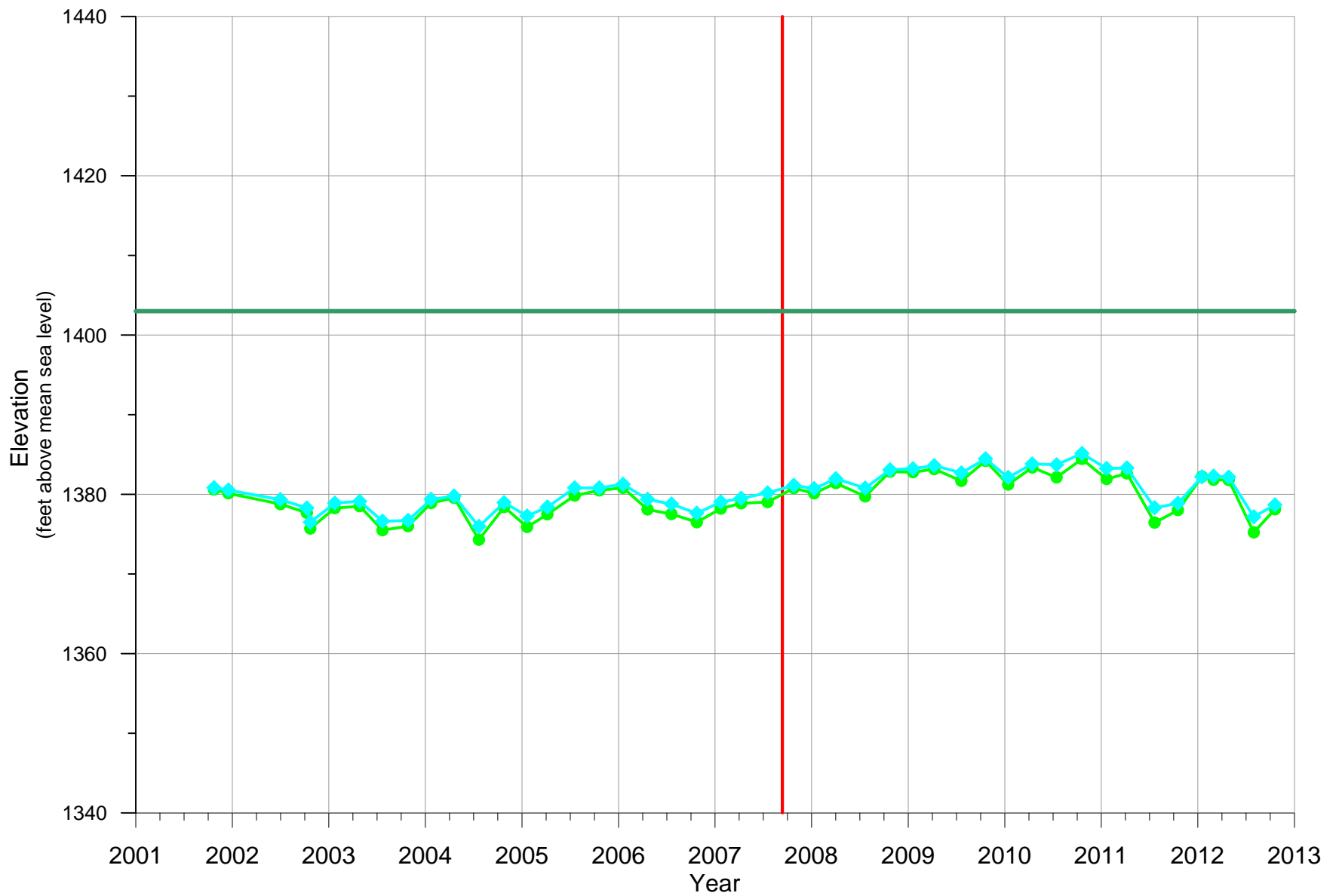


Figure D.16
 INDEX WELL HYDROGRAPHS
 IW-16A & IW16C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1200	TB	M-SCOPE	24.19		2.02	22.17	1380.83
17-Dec-2001	1035	TB	M-SCOPE	24.48		2.02	22.46	1380.54
02-Jul-2002	930	TB	M-SCOPE	25.68		2.02	23.66	1379.34
10-Oct-2002	1630	CM	M-SCOPE	26.73		2.02	24.71	1378.29
23-Oct-2002	1432	MTD	M-SCOPE	28.52		2.02	26.50	1376.50
24-Jan-2003	1209	TB	M-SCOPE	26.11	0.00	2.02	24.09	1378.91
28-Apr-2003	1333	TB	M-SCOPE	25.90	0.00	2.02	23.88	1379.12
23-Jul-2003	1309	TB	M-SCOPE	28.39	0.00	2.02	26.37	1376.63
28-Oct-2003	1345	TB	M-SCOPE	28.30	0.00	2.02	26.28	1376.72
23-Jan-2004	1102	TB	M-SCOPE	25.65	0.00	2.02	23.63	1379.37
19-Apr-2004	1431	TB	M-SCOPE	25.24	0.00	2.02	23.22	1379.78
22-Jul-2004	1306	TB	M-SCOPE	29.06	0.00	2.02	27.04	1375.96
25-Oct-2004	1418	TB	M-SCOPE	26.05	0.00	2.02	24.03	1378.97
20-Jan-2005	1357	TB	M-SCOPE	27.74	0.00	2.02	25.72	1377.28
07-Apr-2005	1249	TB	M-SCOPE	26.61	0.00	2.02	24.59	1378.41
19-Jul-2005	1421	TB	M-SCOPE	24.21	0.00	2.02	22.19	1380.81
20-Oct-2005	1457	DR	M-SCOPE	24.21	0.00	2.02	22.19	1380.81
18-Jan-2006	1120	DR	M-SCOPE	23.75	0.00	2.02	21.73	1381.27
21-Apr-2006	1351	DR	M-SCOPE	25.65	0.00	2.02	23.63	1379.37
20-Jul-2006	1203	DR	M-SCOPE	26.24	0.00	2.02	24.22	1378.78
24-Oct-2006	1318	DR	M-SCOPE	27.39	0.00	2.02	25.37	1377.63
23-Jan-2007	1448	DR	M-SCOPE	25.98	0.00	2.02	23.96	1379.04
10-Apr-2007	1122	DR	M-SCOPE	25.51	0.00	2.02	23.49	1379.51
19-Jul-2007	1352	DR	M-SCOPE	24.84	0.00	2.02	22.82	1380.18
26-Oct-2007	1543	DR	M-SCOPE	23.88	0.00	2.02	21.86	1381.14
11-Jan-2008	1309	DR	M-SCOPE	24.30	0.00	2.02	22.28	1380.72
02-Apr-2008	1357	DR	M-SCOPE	23.05	0.00	2.02	21.03	1381.97
22-Jul-2008	1452	DR	M-SCOPE	24.23	0.00	2.02	22.21	1380.79
24-Oct-2008	1523	DR	M-SCOPE	21.93	0.00	2.02	19.91	1383.09
19-Jan-2009	1414	DR	M-SCOPE	21.79	0.00	2.02	19.77	1383.23
09-Apr-2009	1403	DR	M-SCOPE	21.41	0.00	2.02	19.39	1383.61
21-Jul-2009	1610	DR	M-SCOPE	22.32	0.00	2.02	20.30	1382.70
20-Oct-2009	1420	DR	M-SCOPE	20.56	0.00	2.02	18.54	1384.46
14-Jan-2010	1437	DR	M-SCOPE	22.89	0.00	2.02	20.87	1382.13
15-Apr-2010	1554	DR	M-SCOPE	21.20	0.00	2.02	19.18	1383.82
16-Jul-2010	1346	DR	M-SCOPE	21.31	0.00	2.02	19.29	1383.71
20-Oct-2010	1258	DR	M-SCOPE	19.89	0.00	2.02	17.87	1385.13
21-Jan-2011	1549	DR	M-SCOPE	21.77	0.00	2.02	19.75	1383.25
08-Apr-2011	1303	DR	M-SCOPE	21.71	0.00	2.02	19.69	1383.31
22-Jul-2011	1257	DR	M-SCOPE	26.71	0.00	2.02	24.69	1378.31
18-Oct-2011	1317	DR	M-SCOPE	26.14	0.00	2.02	24.12	1378.88
17-Jan-2012	1143	DR	M-SCOPE	22.82	0.00	2.02	20.80	1382.20
01-Mar-2012	1623	DR	M-SCOPE	22.73	0.00	2.02	20.71	1382.29
27-Apr-2012	1423	DR	M-SCOPE	22.85	0.00	2.02	20.83	1382.17
31-Jul-2012	1609	DR	M-SCOPE	27.84	0.00	2.02	25.82	1377.18
19-Oct-2012	1336	DR	M-SCOPE	26.34	0.00	2.02	24.32	1378.68

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1205	TB	M-SCOPE	24.02		1.83	22.19	1380.61
17-Dec-2001	1155	TB	M-SCOPE	24.50		1.83	22.67	1380.13
02-Jul-2002	1115	TB	M-SCOPE	25.86		1.83	24.03	1378.77
10-Oct-2002	1635	CM	M-SCOPE	26.95		1.83	25.12	1377.68
23-Oct-2002	1434	MTD	M-SCOPE	28.92		1.83	27.09	1375.71
24-Jan-2003	1209	TB	M-SCOPE	26.36	0.00	1.83	24.53	1378.27
28-Apr-2003	1333	TB	M-SCOPE	26.12	0.00	1.83	24.29	1378.51
23-Jul-2003	1310	TB	M-SCOPE	29.13	0.00	1.83	27.30	1375.50
28-Oct-2003	1346	TB	M-SCOPE	28.62	0.00	1.83	26.79	1376.01
23-Jan-2004	1102	TB	M-SCOPE	25.72	0.00	1.83	23.89	1378.91
19-Apr-2004	1432	TB	M-SCOPE	25.07	0.00	1.83	23.24	1379.56
22-Jul-2004	1307	TB	M-SCOPE	30.33	0.00	1.83	28.50	1374.30
25-Oct-2004	1418	TB	M-SCOPE	26.22	0.00	1.83	24.39	1378.41
20-Jan-2005	1357	TB	M-SCOPE	28.73	0.00	1.83	26.90	1375.90
07-Apr-2005	1250	TB	M-SCOPE	27.13	0.00	1.83	25.30	1377.50
19-Jul-2005	1422	TB	M-SCOPE	24.79	0.00	1.83	22.96	1379.84
20-Oct-2005	1458	DR	M-SCOPE	24.13	0.00	1.83	22.30	1380.50
18-Jan-2006	1121	DR	M-SCOPE	23.81	0.00	1.83	21.98	1380.82
21-Apr-2006	1352	DR	M-SCOPE	26.53	0.00	1.83	24.70	1378.10
20-Jul-2006	1203	DR	M-SCOPE	27.10	0.00	1.83	25.27	1377.53
24-Oct-2006	1319	DR	M-SCOPE	28.13	0.00	1.83	26.30	1376.50
23-Jan-2007	1448	DR	M-SCOPE	26.42	0.00	1.83	24.59	1378.21
10-Apr-2007	1123	DR	M-SCOPE	25.75	0.00	1.83	23.92	1378.88
19-Jul-2007	1353	DR	M-SCOPE	25.60	0.00	1.83	23.77	1379.03
26-Oct-2007	1543	DR	M-SCOPE	23.85	0.00	1.83	22.02	1380.78
11-Jan-2008	1309	DR	M-SCOPE	24.50	0.00	1.83	22.67	1380.13
02-Apr-2008	1357	DR	M-SCOPE	23.21	0.00	1.83	21.38	1381.42
22-Jul-2008	1452	DR	M-SCOPE	24.89	0.00	1.83	23.06	1379.74
24-Oct-2008	1524	DR	M-SCOPE	21.78	0.00	1.83	19.95	1382.85
19-Jan-2009	1414	DR	M-SCOPE	21.85	0.00	1.83	20.02	1382.78
09-Apr-2009	1403	DR	M-SCOPE	21.46	0.00	1.83	19.63	1383.17
21-Jul-2009	1610	DR	M-SCOPE	22.94	0.00	1.83	21.11	1381.69
20-Oct-2009	1420	DR	M-SCOPE	20.43	0.00	1.83	18.60	1384.20
14-Jan-2010	1438	DR	M-SCOPE	23.40	0.00	1.83	21.57	1381.23
15-Apr-2010	1554	DR	M-SCOPE	21.25	0.00	1.83	19.42	1383.38
16-Jul-2010	1346	DR	M-SCOPE	22.50	0.00	1.83	20.67	1382.13
20-Oct-2010	1258	DR	M-SCOPE	20.18	0.00	1.83	18.35	1384.45
21-Jan-2011	1549	DR	M-SCOPE	22.71	0.00	1.83	20.88	1381.92
08-Apr-2011	1303	DR	M-SCOPE	22.00	0.00	1.83	20.17	1382.63
22-Jul-2011	1258	DR	M-SCOPE	28.18	0.00	1.83	26.35	1376.45
18-Oct-2011	1317	DR	M-SCOPE	26.61	0.00	1.83	24.78	1378.02
17-Jan-2012	1143	DR	M-SCOPE	22.40	0.00	1.83	20.57	1382.23
01-Mar-2012	1623	DR	M-SCOPE	22.80	0.00	1.83	20.97	1381.83
27-Apr-2012	1423	DR	M-SCOPE	22.83	0.00	1.83	21.00	1381.80
31-Jul-2012	1610	DR	M-SCOPE	29.40	0.00	1.83	27.57	1375.23
19-Oct-2012	1335	DR	M-SCOPE	26.51	0.00	1.83	24.68	1378.12

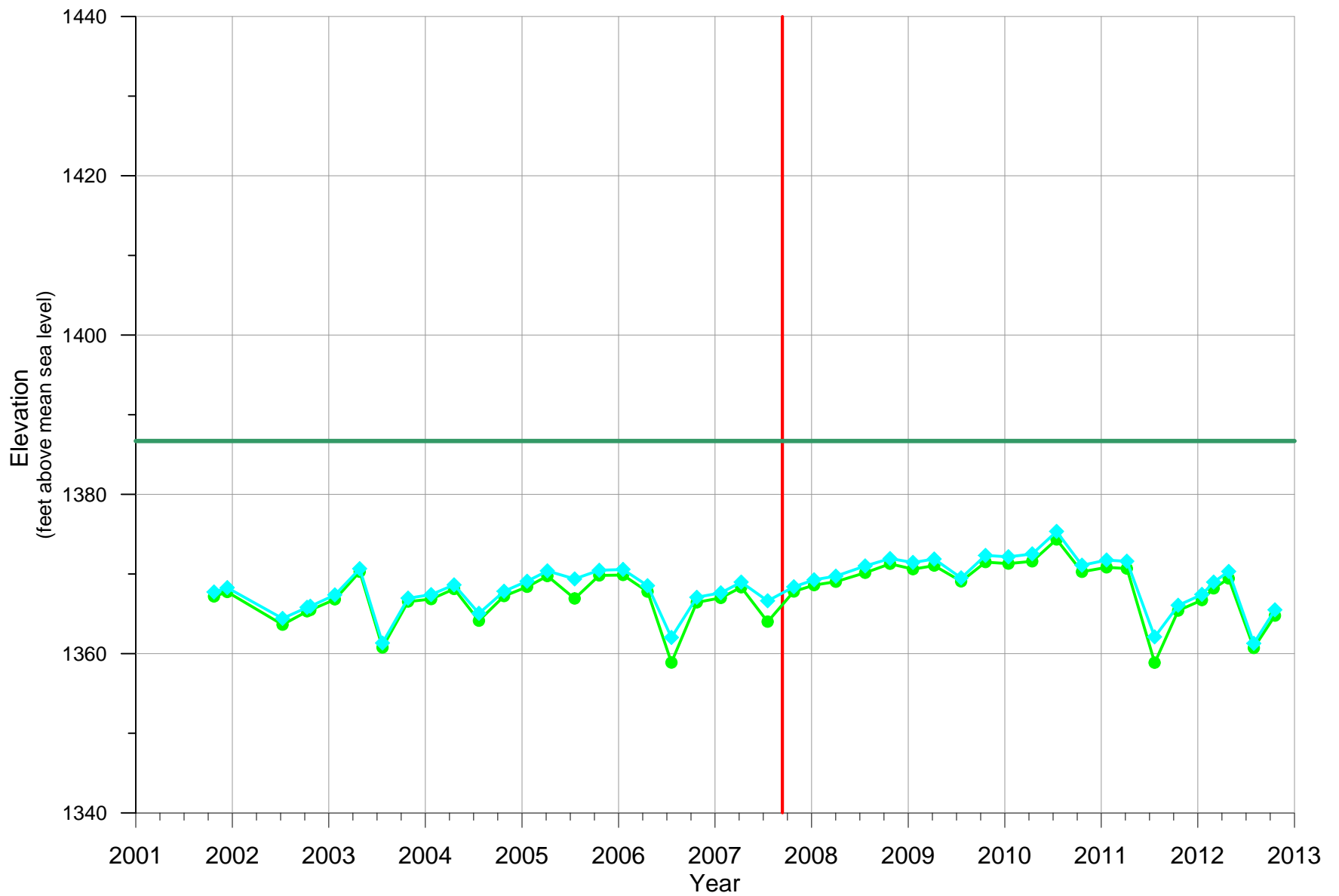


Figure D.17
 INDEX WELL HYDROGRAPHS
 IW-17A & IW17C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1235	TB	M-SCOPE	20.53		1.57	18.96	1367.74
13-Dec-2001	925	TB	M-SCOPE	19.99		1.57	18.42	1368.28
10-Jul-2002	920	TB	M-SCOPE	23.85		1.57	22.28	1364.42
11-Oct-2002	1100	CM	M-SCOPE	22.46		1.57	20.89	1365.81
23-Oct-2002	1445	MTD	M-SCOPE	22.32		1.57	20.75	1365.95
24-Jan-2003	1155	TB	M-SCOPE	20.90	0.00	1.57	19.33	1367.37
28-Apr-2003	1321	TB	M-SCOPE	17.61	0.00	1.57	16.04	1370.66
23-Jul-2003	1259	TB	M-SCOPE	26.94	0.00	1.57	25.37	1361.33
28-Oct-2003	1333	TB	M-SCOPE	21.31	0.00	1.57	19.74	1366.96
23-Jan-2004	1113	TB	M-SCOPE	20.86	0.00	1.57	19.29	1367.41
19-Apr-2004	1414	TB	M-SCOPE	19.63	0.00	1.57	18.06	1368.64
22-Jul-2004	1254	TB	M-SCOPE	23.22	0.00	1.57	21.65	1365.05
25-Oct-2004	1404	TB	M-SCOPE	20.44	0.00	1.57	18.87	1367.83
20-Jan-2005	1340	TB	M-SCOPE	19.18	0.00	1.57	17.61	1369.09
07-Apr-2005	1300	TB	M-SCOPE	17.88	0.00	1.57	16.31	1370.39
19-Jul-2005	1407	TB	M-SCOPE	18.89	0.00	1.57	17.32	1369.38
20-Oct-2005	1513	DR	M-SCOPE	17.80	0.00	1.57	16.23	1370.47
18-Jan-2006	1107	DR	M-SCOPE	17.70	0.00	1.57	16.13	1370.57
21-Apr-2006	1401	DR	M-SCOPE	19.74	0.00	1.57	18.17	1368.53
20-Jul-2006	1549	DR	M-SCOPE	26.25	0.00	1.57	24.68	1362.02
24-Oct-2006	1305	DR	M-SCOPE	21.19	0.00	1.57	19.62	1367.08
23-Jan-2007	1145	DR	M-SCOPE	20.63	0.00	1.57	19.06	1367.64
10-Apr-2007	1203	DR	M-SCOPE	19.29	0.00	1.57	17.72	1368.98
19-Jul-2007	1401	DR	M-SCOPE	21.64	0.00	1.57	20.07	1366.63
26-Oct-2007	1212	DR	M-SCOPE	19.88	0.00	1.57	18.31	1368.39
11-Jan-2008	1318	DR	M-SCOPE	19.00	0.00	1.57	17.43	1369.27
02-Apr-2008	1407	DR	M-SCOPE	18.54	0.00	1.57	16.97	1369.73
22-Jul-2008	1500	DR	M-SCOPE	17.26	0.00	1.57	15.69	1371.01
24-Oct-2008	1210	DR	M-SCOPE	16.33	0.00	1.57	14.76	1371.94
19-Jan-2009	1424	DR	M-SCOPE	16.82	0.00	1.57	15.25	1371.45
09-Apr-2009	1412	DR	M-SCOPE	16.39	0.00	1.57	14.82	1371.88
20-Jul-2009	1421	DR	M-SCOPE	18.76	0.00	1.57	17.19	1369.51
20-Oct-2009	1402	DR	M-SCOPE	15.94	0.00	1.57	14.37	1372.33
15-Jan-2010	1340	DR	M-SCOPE	16.11	0.00	1.57	14.54	1372.16
15-Apr-2010	1517	DR	M-SCOPE	15.75	0.00	1.57	14.18	1372.52
16-Jul-2010	1357	DR	M-SCOPE	12.93	0.00	1.57	11.36	1375.34
20-Oct-2010	1313	DR	M-SCOPE	17.17	0.00	1.57	15.60	1371.10
21-Jan-2011	1604	DR	M-SCOPE	16.52	0.00	1.57	14.95	1371.75
08-Apr-2011	1251	DR	M-SCOPE	16.67	0.00	1.57	15.10	1371.60
22-Jul-2011	1258	DR	M-SCOPE	26.17	0.00	1.57	24.60	1362.10
19-Oct-2011	1622	DR	M-SCOPE	22.20	0.00	1.57	20.63	1366.07
17-Jan-2012	1153	DR	M-SCOPE	20.84	0.00	1.57	19.27	1367.43
01-Mar-2012	1605	DR	M-SCOPE	19.29	0.00	1.57	17.72	1368.98
27-Apr-2012	1527	DR	M-SCOPE	17.95	0.00	1.57	16.38	1370.32
31-Jul-2012	1554	DR	M-SCOPE	26.98	0.00	1.57	25.41	1361.29
19-Oct-2012	1318	DR	M-SCOPE	22.78	0.00	1.57	21.21	1365.49

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1240	TB	M-SCOPE	21.00		1.48	19.52	1367.18
13-Dec-2001	1040	TB	M-SCOPE	20.44		1.48	18.96	1367.74
10-Jul-2002	1110	TB	M-SCOPE	24.54		1.48	23.06	1363.64
11-Oct-2002	1105	CM	M-SCOPE	22.87		1.48	21.39	1365.31
23-Oct-2002	1447	MTD	M-SCOPE	22.70		1.48	21.22	1365.48
24-Jan-2003	1156	TB	M-SCOPE	21.37	0.00	1.48	19.89	1366.81
28-Apr-2003	1322	TB	M-SCOPE	17.89	0.00	1.48	16.41	1370.29
23-Jul-2003	1259	TB	M-SCOPE	27.41	0.00	1.48	25.93	1360.77
28-Oct-2003	1333	TB	M-SCOPE	21.64	0.00	1.48	20.16	1366.54
23-Jan-2004	1114	TB	M-SCOPE	21.33	0.00	1.48	19.85	1366.85
19-Apr-2004	1415	TB	M-SCOPE	20.06	0.00	1.48	18.58	1368.12
22-Jul-2004	1254	TB	M-SCOPE	24.04	0.00	1.48	22.56	1364.14
25-Oct-2004	1405	TB	M-SCOPE	20.95	0.00	1.48	19.47	1367.23
20-Jan-2005	1340	TB	M-SCOPE	19.79	0.00	1.48	18.31	1368.39
07-Apr-2005	1301	TB	M-SCOPE	18.44	0.00	1.48	16.96	1369.74
19-Jul-2005	1408	TB	M-SCOPE	21.26	0.00	1.48	19.78	1366.92
20-Oct-2005	1514	DR	M-SCOPE	18.36	0.00	1.48	16.88	1369.82
18-Jan-2006	1107	DR	M-SCOPE	18.31	0.00	1.48	16.83	1369.87
21-Apr-2006	1401	DR	M-SCOPE	20.40	0.00	1.48	18.92	1367.78
20-Jul-2006	1549	DR	M-SCOPE	29.30	0.00	1.48	27.82	1358.88
24-Oct-2006	1306	DR	M-SCOPE	21.74	0.00	1.48	20.26	1366.44
23-Jan-2007	1145	DR	M-SCOPE	21.18	0.00	1.48	19.70	1367.00
10-Apr-2007	1203	DR	M-SCOPE	19.85	0.00	1.48	18.37	1368.33
19-Jul-2007	1401	DR	M-SCOPE	24.17	0.00	1.48	22.69	1364.01
26-Oct-2007	1212	DR	M-SCOPE	20.38	0.00	1.48	18.90	1367.80
11-Jan-2008	1318	DR	M-SCOPE	19.57	0.00	1.48	18.09	1368.61
02-Apr-2008	1407	DR	M-SCOPE	19.15	0.00	1.48	17.67	1369.03
22-Jul-2008	1501	DR	M-SCOPE	18.03	0.00	1.48	16.55	1370.15
24-Oct-2008	1210	DR	M-SCOPE	16.90	0.00	1.48	15.42	1371.28
19-Jan-2009	1424	DR	M-SCOPE	17.57	0.00	1.48	16.09	1370.61
09-Apr-2009	1413	DR	M-SCOPE	17.13	0.00	1.48	15.65	1371.05
20-Jul-2009	1421	DR	M-SCOPE	19.10	0.00	1.48	17.62	1369.08
20-Oct-2009	1403	DR	M-SCOPE	16.69	0.00	1.48	15.21	1371.49
15-Jan-2010	1340	DR	M-SCOPE	16.88	0.00	1.48	15.40	1371.30
15-Apr-2010	1518	DR	M-SCOPE	16.59	0.00	1.48	15.11	1371.59
16-Jul-2010	1357	DR	M-SCOPE	13.85	0.00	1.48	12.37	1374.33
20-Oct-2010	1313	DR	M-SCOPE	17.91	0.00	1.48	16.43	1370.27
21-Jan-2011	1604	DR	M-SCOPE	17.35	0.00	1.48	15.87	1370.83
08-Apr-2011	1252	DR	M-SCOPE	17.50	0.00	1.48	16.02	1370.68
22-Jul-2011	1259	DR	M-SCOPE	29.32	0.00	1.48	27.84	1358.86
19-Oct-2011	1622	DR	M-SCOPE	22.77	0.00	1.48	21.29	1365.41
17-Jan-2012	1153	DR	M-SCOPE	21.45	0.00	1.48	19.97	1366.73
01-Mar-2012	1606	DR	M-SCOPE	19.99	0.00	1.48	18.51	1368.19
27-Apr-2012	1527	DR	M-SCOPE	18.75	0.00	1.48	17.27	1369.43
31-Jul-2012	1554	DR	M-SCOPE	27.47	0.00	1.48	25.99	1360.71
19-Oct-2012	1318	DR	M-SCOPE	23.41	0.00	1.48	21.93	1364.77

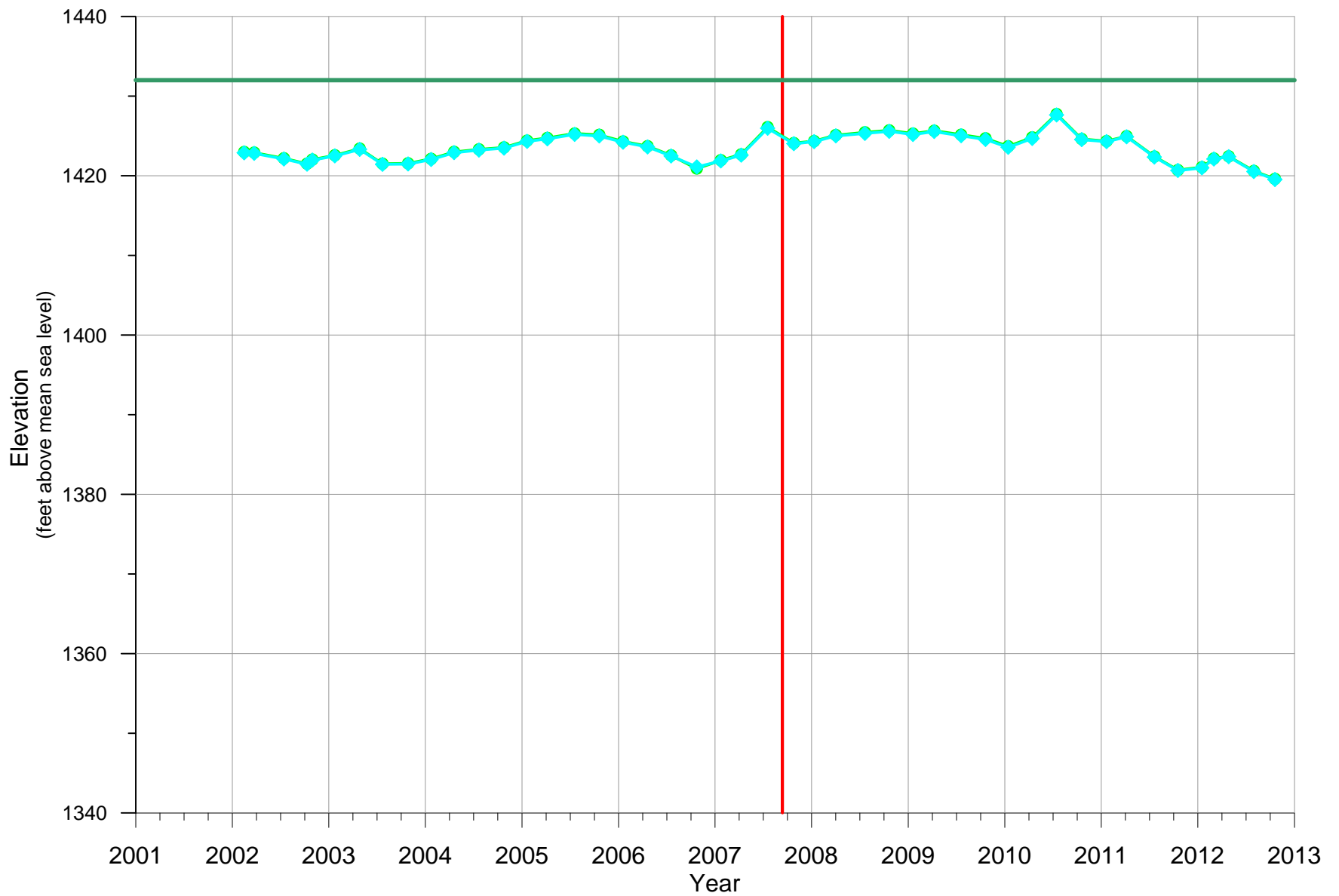


Figure D.18
 INDEX WELL HYDROGRAPHS
 IW-18A & IW18C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1120	TB	M-SCOPE	10.78		1.66	9.12	1422.88
25-Mar-2002	955	TB	M-SCOPE	10.85		1.66	9.19	1422.81
15-Jul-2002	945	TB	M-SCOPE	11.55		1.66	9.89	1422.11
11-Oct-2002	1115	CM	M-SCOPE	12.21		1.66	10.55	1421.45
31-Oct-2002	1131	TDB	M-SCOPE	11.69		1.66	10.03	1421.97
24-Jan-2003	1309	TB	M-SCOPE	11.17	0.00	1.66	9.51	1422.49
28-Apr-2003	1441	TB	M-SCOPE	10.35	0.00	1.66	8.69	1423.31
23-Jul-2003	1359	TB	M-SCOPE	12.22	0.00	1.66	10.56	1421.44
28-Oct-2003	1442	TB	M-SCOPE	12.18	0.00	1.66	10.52	1421.48
23-Jan-2004	1235	TB	M-SCOPE	11.62	0.00	1.66	9.96	1422.04
19-Apr-2004	1525	TB	M-SCOPE	10.76	0.00	1.66	9.10	1422.90
22-Jul-2004	1356	TB	M-SCOPE	10.43	0.00	1.66	8.77	1423.23
25-Oct-2004	1543	TB	M-SCOPE	10.19	0.00	1.66	8.53	1423.47
20-Jan-2005	1507	TB	M-SCOPE	9.34	0.00	1.66	7.68	1424.32
07-Apr-2005	1339	TB	M-SCOPE	9.02	0.00	1.66	7.36	1424.64
19-Jul-2005	1526	TB	M-SCOPE	8.46	0.00	1.66	6.80	1425.20
20-Oct-2005	1344	DR	M-SCOPE	8.67	0.00	1.66	7.01	1424.99
18-Jan-2006	1206	DR	M-SCOPE	9.45	0.00	1.66	7.79	1424.21
21-Apr-2006	1133	DR	M-SCOPE	10.04	0.00	1.66	8.38	1423.62
19-Jul-2006	1408	DR	M-SCOPE	11.18	0.00	1.66	9.52	1422.48
24-Oct-2006	1414	DR	M-SCOPE	12.55	0.00	1.66	10.89	1421.11
23-Jan-2007	1613	DR	M-SCOPE	11.80	0.00	1.66	10.14	1421.86
10-Apr-2007	913	DR	M-SCOPE	11.07	0.00	1.66	9.41	1422.59
19-Jul-2007	1306	DR	M-SCOPE	7.70	0.00	1.66	6.04	1425.96
26-Oct-2007	1250	DR	M-SCOPE	9.64	0.00	1.66	7.98	1424.02
11-Jan-2008	1217	DR	M-SCOPE	9.37	0.00	1.66	7.71	1424.29
02-Apr-2008	1508	DR	M-SCOPE	8.65	0.00	1.66	6.99	1425.01
21-Jul-2008	1252	DR	M-SCOPE	8.34	0.00	1.66	6.68	1425.32
21-Oct-2008	1203	TR	M-SCOPE	8.08	0.00	1.66	6.42	1425.58
19-Jan-2009	1156	DR	M-SCOPE	8.48	0.00	1.66	6.82	1425.18
09-Apr-2009	1202	DR	M-SCOPE	8.11	0.00	1.66	6.45	1425.55
20-Jul-2009	1532	DR	M-SCOPE	8.64	0.00	1.66	6.98	1425.02
20-Oct-2009	1230	DR	M-SCOPE	9.10	0.00	1.66	7.44	1424.56
14-Jan-2010	1348	DR	M-SCOPE	10.09	0.00	1.66	8.43	1423.57
15-Apr-2010	1211	DR	M-SCOPE	8.98	0.00	1.66	7.32	1424.68
16-Jul-2010	1238	DR	M-SCOPE	6.02	0.00	1.66	4.36	1427.64
19-Oct-2010	923	DR	M-SCOPE	9.12	0.00	1.66	7.46	1424.54
21-Jan-2011	1202	DR	M-SCOPE	9.37	0.00	1.66	7.71	1424.29
07-Apr-2011	1324	DR	M-SCOPE	8.77	0.00	1.66	7.11	1424.89
21-Jul-2011	1610	DR	M-SCOPE	11.31	0.00	1.66	9.65	1422.35
18-Oct-2011	1129	DR	M-SCOPE	13.00	0.00	1.66	11.34	1420.66
17-Jan-2012	1040	DR	M-SCOPE	12.67	0.00	1.66	11.01	1420.99
02-Mar-2012	903	DR	M-SCOPE	11.55	0.00	1.66	9.89	1422.11
27-Apr-2012	1144	DR	M-SCOPE	11.27	0.00	1.66	9.61	1422.39
31-Jul-2012	1425	DR	M-SCOPE	13.13	0.00	1.66	11.47	1420.53
19-Oct-2012	1006	DR	M-SCOPE	14.13	0.00	1.66	12.47	1419.53

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1125	TB	M-SCOPE	10.62		1.50	9.12	1422.98
25-Mar-2002	1105	TB	M-SCOPE	10.70		1.50	9.20	1422.90
15-Jul-2002	1135	TB	M-SCOPE	11.41		1.50	9.91	1422.19
11-Oct-2002	1120	CM	M-SCOPE	12.09		1.50	10.59	1421.51
31-Oct-2002	1132	TDB	M-SCOPE	11.57		1.50	10.07	1422.03
24-Jan-2003	1309	TB	M-SCOPE	11.03	0.00	1.50	9.53	1422.57
28-Apr-2003	1442	TB	M-SCOPE	10.20	0.00	1.50	8.70	1423.40
23-Jul-2003	1359	TB	M-SCOPE	12.09	0.00	1.50	10.59	1421.51
28-Oct-2003	1443	TB	M-SCOPE	12.05	0.00	1.50	10.55	1421.55
23-Jan-2004	1236	TB	M-SCOPE	11.48	0.00	1.50	9.98	1422.12
19-Apr-2004	1525	TB	M-SCOPE	10.61	0.00	1.50	9.11	1422.99
22-Jul-2004	1356	TB	M-SCOPE	10.29	0.00	1.50	8.79	1423.31
25-Oct-2004	1543	TB	M-SCOPE	10.05	0.00	1.50	8.55	1423.55
20-Jan-2005	1508	TB	M-SCOPE	9.19	0.00	1.50	7.69	1424.41
07-Apr-2005	1340	TB	M-SCOPE	8.86	0.00	1.50	7.36	1424.74
19-Jul-2005	1527	TB	M-SCOPE	8.30	0.00	1.50	6.80	1425.30
20-Oct-2005	1345	DR	M-SCOPE	8.47	0.00	1.50	6.97	1425.13
18-Jan-2006	1206	DR	M-SCOPE	9.30	0.00	1.50	7.80	1424.30
21-Apr-2006	1133	DR	M-SCOPE	9.89	0.00	1.50	8.39	1423.71
19-Jul-2006	1408	DR	M-SCOPE	11.05	0.00	1.50	9.55	1422.55
24-Oct-2006	1415	DR	M-SCOPE	12.70	0.00	1.50	11.20	1420.90
23-Jan-2007	1612	DR	M-SCOPE	11.65	0.00	1.50	10.15	1421.95
10-Apr-2007	912	DR	M-SCOPE	10.92	0.00	1.50	9.42	1422.68
19-Jul-2007	1307	DR	M-SCOPE	7.50	0.00	1.50	6.00	1426.10
26-Oct-2007	1250	DR	M-SCOPE	9.50	0.00	1.50	8.00	1424.10
11-Jan-2008	1217	DR	M-SCOPE	9.25	0.00	1.50	7.75	1424.35
02-Apr-2008	1509	DR	M-SCOPE	8.50	0.00	1.50	7.00	1425.10
21-Jul-2008	1251	DR	M-SCOPE	8.15	0.00	1.50	6.65	1425.45
21-Oct-2008	1202	TR	M-SCOPE	7.90	0.00	1.50	6.40	1425.70
19-Jan-2009	1156	DR	M-SCOPE	8.31	0.00	1.50	6.81	1425.29
09-Apr-2009	1202	DR	M-SCOPE	7.95	0.00	1.50	6.45	1425.65
20-Jul-2009	1532	DR	M-SCOPE	8.45	0.00	1.50	6.95	1425.15
20-Oct-2009	1230	DR	M-SCOPE	8.91	0.00	1.50	7.41	1424.69
14-Jan-2010	1348	DR	M-SCOPE	9.90	0.00	1.50	8.40	1423.70
15-Apr-2010	1212	DR	M-SCOPE	8.79	0.00	1.50	7.29	1424.81
16-Jul-2010	1238	DR	M-SCOPE	5.86	0.00	1.50	4.36	1427.74
19-Oct-2010	923	DR	M-SCOPE	8.99	0.00	1.50	7.49	1424.61
21-Jan-2011	1202	DR	M-SCOPE	9.25	0.00	1.50	7.75	1424.35
07-Apr-2011	1324	DR	M-SCOPE	8.64	0.00	1.50	7.14	1424.96
21-Jul-2011	1611	DR	M-SCOPE	11.19	0.00	1.50	9.69	1422.41
18-Oct-2011	1129	DR	M-SCOPE	12.89	0.00	1.50	11.39	1420.71
17-Jan-2012	1040	DR	M-SCOPE	12.52	0.00	1.50	11.02	1421.08
02-Mar-2012	903	DR	M-SCOPE	11.43	0.00	1.50	9.93	1422.17
27-Apr-2012	1145	DR	M-SCOPE	11.17	0.00	1.50	9.67	1422.43
31-Jul-2012	1425	DR	M-SCOPE	12.99	0.00	1.50	11.49	1420.61
19-Oct-2012	1006	DR	M-SCOPE	14.00	0.00	1.50	12.50	1419.60

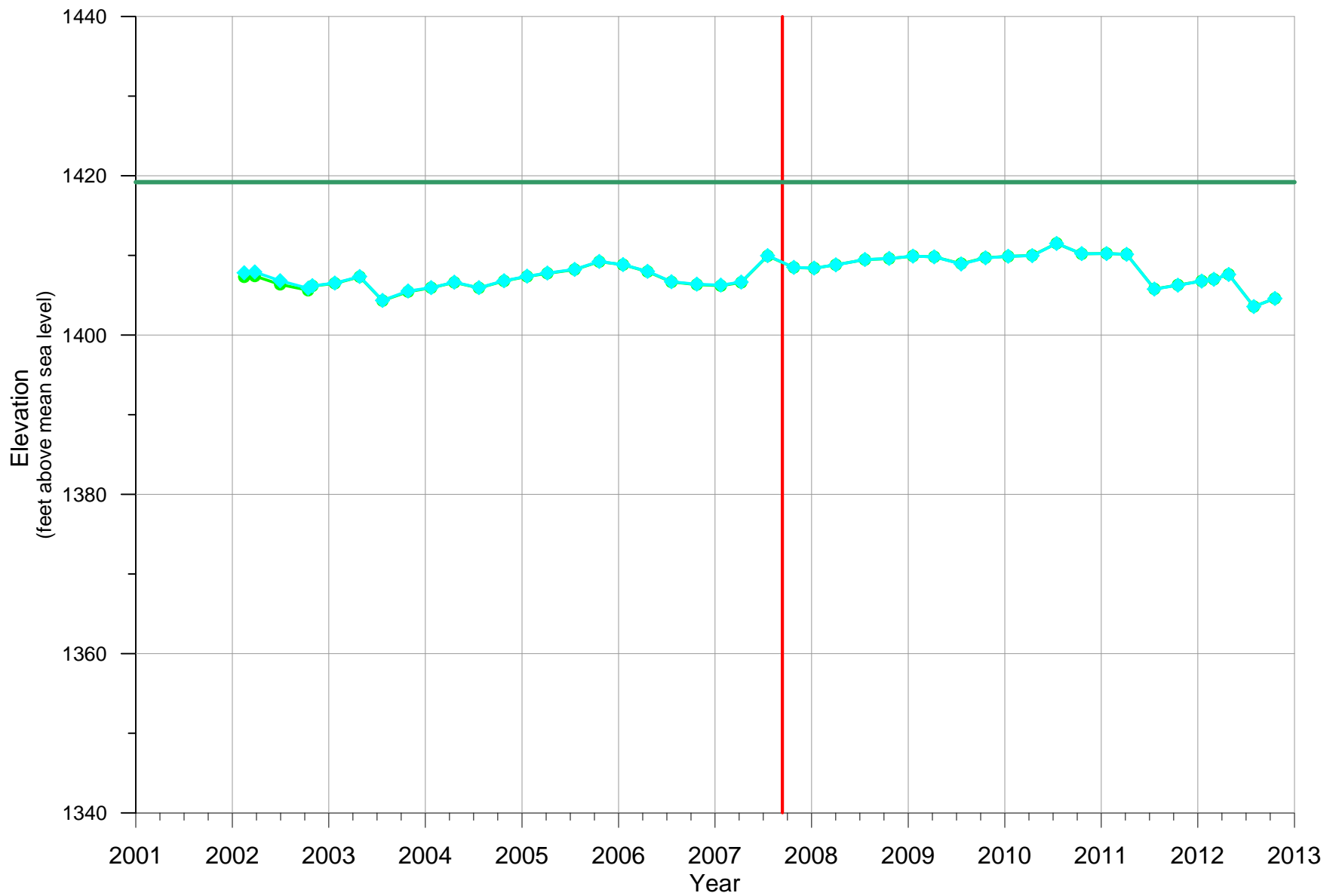


Figure D.19
 INDEX WELL HYDROGRAPHS
 IW-19A & IW19C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1105	TB	M-SCOPE	13.38		1.79	11.59	1407.81
27-Mar-2002	1215	TB	M-SCOPE	13.27		1.79	11.48	1407.92
01-Jul-2002	1225	TB	M-SCOPE	14.37		1.79	12.58	1406.82
15-Oct-2002	1040	CM	M-SCOPE	15.32		1.79	13.53	1405.87
31-Oct-2002	1112	TDB	M-SCOPE	14.80		1.79	13.01	1406.19
24-Jan-2003	1321	TB	M-SCOPE	14.46	0.00	1.79	12.67	1406.53
28-Apr-2003	1453	TB	M-SCOPE	13.65	0.00	1.79	11.86	1407.34
23-Jul-2003	1409	TB	M-SCOPE	16.64	0.00	1.79	14.85	1404.35
28-Oct-2003	1456	TB	M-SCOPE	15.46	0.00	1.79	13.67	1405.53
23-Jan-2004	1223	TB	M-SCOPE	15.04	0.00	1.79	13.25	1405.95
20-Apr-2004	1020	TB	M-SCOPE	14.35	0.00	1.79	12.56	1406.64
22-Jul-2004	1408	TB	M-SCOPE	15.04	0.00	1.79	13.25	1405.95
25-Oct-2004	1556	TB	M-SCOPE	14.17	0.00	1.79	12.38	1406.82
20-Jan-2005	1521	TB	M-SCOPE	13.60	0.00	1.79	11.81	1407.39
07-Apr-2005	1330	TB	M-SCOPE	13.20	0.00	1.79	11.41	1407.79
19-Jul-2005	1536	TB	M-SCOPE	12.75	0.00	1.79	10.96	1408.24
20-Oct-2005	1357	DR	M-SCOPE	11.75	0.00	1.79	9.96	1409.24
18-Jan-2006	1216	DR	M-SCOPE	12.15	0.00	1.79	10.36	1408.84
21-Apr-2006	1141	DR	M-SCOPE	12.99	0.00	1.79	11.20	1408.00
20-Jul-2006	1244	DR	M-SCOPE	14.29	0.00	1.79	12.50	1406.70
24-Oct-2006	1450	DR	M-SCOPE	14.60	0.00	1.79	12.81	1406.39
23-Jan-2007	1520	DR	M-SCOPE	14.72	0.00	1.79	12.93	1406.27
10-Apr-2007	1047	DR	M-SCOPE	14.34	0.00	1.79	12.55	1406.65
19-Jul-2007	1511	DR	M-SCOPE	11.02	0.00	1.79	9.23	1409.97
26-Oct-2007	1325	DR	M-SCOPE	12.50	0.00	1.79	10.71	1408.49
11-Jan-2008	1203	DR	M-SCOPE	12.58	0.00	1.79	10.79	1408.41
02-Apr-2008	1455	DR	M-SCOPE	12.17	0.00	1.79	10.38	1408.82
21-Jul-2008	1302	DR	M-SCOPE	11.51	0.00	1.79	9.72	1409.48
21-Oct-2008	1137	TR	M-SCOPE	11.37	0.00	1.79	9.58	1409.62
19-Jan-2009	1231	DR	M-SCOPE	11.08	0.00	1.79	9.29	1409.91
09-Apr-2009	1214	DR	M-SCOPE	11.17	0.00	1.79	9.38	1409.82
20-Jul-2009	1516	DR	M-SCOPE	12.07	0.00	1.79	10.28	1408.92
20-Oct-2009	1241	DR	M-SCOPE	11.30	0.00	1.79	9.51	1409.69
14-Jan-2010	1502	DR	M-SCOPE	11.10	0.00	1.79	9.31	1409.89
15-Apr-2010	1318	DR	M-SCOPE	11.02	0.00	1.79	9.23	1409.97
16-Jul-2010	1249	DR	M-SCOPE	9.49	0.00	1.79	7.70	1411.50
19-Oct-2010	1007	DR	M-SCOPE	10.77	0.00	1.79	8.98	1410.22
21-Jan-2011	1230	DR	M-SCOPE	10.76	0.00	1.79	8.97	1410.23
07-Apr-2011	1509	DR	M-SCOPE	10.85	0.00	1.79	9.06	1410.14
21-Jul-2011	1625	DR	M-SCOPE	15.22	0.00	1.79	13.43	1405.77
18-Oct-2011	1201	DR	M-SCOPE	14.73	0.00	1.79	12.94	1406.26
16-Jan-2012	1409	DR	M-SCOPE	14.22	0.00	1.79	12.43	1406.77
02-Mar-2012	915	DR	M-SCOPE	13.99	0.00	1.79	12.20	1407.00
27-Apr-2012	1259	DR	M-SCOPE	13.38	0.00	1.79	11.59	1407.61
31-Jul-2012	1412	DR	M-SCOPE	17.41	0.00	1.79	15.62	1403.58
19-Oct-2012	955	DR	M-SCOPE	16.40	0.00	1.79	14.61	1404.59

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1100	TB	M-SCOPE	13.52		1.42	12.10	1407.30
27-Mar-2002	1020	TB	M-SCOPE	13.41		1.42	11.99	1407.41
01-Jul-2002	1005	TB	M-SCOPE	14.46		1.42	13.04	1406.36
15-Oct-2002	1035	CM	M-SCOPE	15.20		1.42	13.78	1405.62
31-Oct-2002	1110	TDB	M-SCOPE	14.66		1.42	13.24	1406.16
24-Jan-03	1322	TB	M-SCOPE	14.33	0	1.42	12.91	1406.49
28-Apr-03	1453	TB	M-SCOPE	13.51	0	1.42	12.09	1407.31
23-Jul-03	1410	TB	M-SCOPE	16.5	0	1.42	15.08	1404.32
28-Oct-03	1457	TB	M-SCOPE	15.37	0	1.42	13.95	1405.45
23-Jan-2004	1223	TB	M-SCOPE	14.89	0.00	1.42	13.47	1405.93
20-Apr-2004	1021	TB	M-SCOPE	14.21	0.00	1.42	12.79	1406.61
22-Jul-2004	1408	TB	M-SCOPE	14.90	0.00	1.42	13.48	1405.92
25-Oct-2004	1557	TB	M-SCOPE	14.03	0.00	1.42	12.61	1406.79
20-Jan-2005	1521	TB	M-SCOPE	13.46	0.00	1.42	12.04	1407.36
07-Apr-2005	1330	TB	M-SCOPE	13.07	0.00	1.42	11.65	1407.75
19-Jul-2005	1537	TB	M-SCOPE	12.60	0.00	1.42	11.18	1408.22
20-Oct-2005	1358	DR	M-SCOPE	11.61	0.00	1.42	10.19	1409.21
18-Jan-2006	1217	DR	M-SCOPE	11.99	0.00	1.42	10.57	1408.83
21-Apr-2006	1142	DR	M-SCOPE	12.86	0.00	1.42	11.44	1407.96
20-Jul-2006	1243	DR	M-SCOPE	14.15	0.00	1.42	12.73	1406.67
24-Oct-2006	1450	DR	M-SCOPE	14.48	0.00	1.42	13.06	1406.34
23-Jan-2007	1519	DR	M-SCOPE	14.62	0.00	1.42	13.20	1406.20
10-Apr-2007	1047	DR	M-SCOPE	14.21	0.00	1.42	12.79	1406.61
19-Jul-2007	1512	DR	M-SCOPE	10.88	0.00	1.42	9.46	1409.94
26-Oct-2007	1325	DR	M-SCOPE	12.34	0.00	1.42	10.92	1408.48
11-Jan-2008	1204	DR	M-SCOPE	12.42	0.00	1.42	11.00	1408.40
02-Apr-2008	1455	DR	M-SCOPE	12.00	0.00	1.42	10.58	1408.82
21-Jul-2008	1302	DR	M-SCOPE	11.35	0.00	1.42	9.93	1409.47
21-Oct-2008	1137	TR	M-SCOPE	11.22	0.00	1.42	9.80	1409.60
19-Jan-2009	1231	DR	M-SCOPE	10.90	0.00	1.42	9.48	1409.92
09-Apr-2009	1214	DR	M-SCOPE	11.00	0.00	1.42	9.58	1409.82
20-Jul-2009	1516	DR	M-SCOPE	11.86	0.00	1.42	10.44	1408.96
20-Oct-2009	1241	DR	M-SCOPE	11.11	0.00	1.42	9.69	1409.71
14-Jan-2010	1502	DR	M-SCOPE	10.94	0.00	1.42	9.52	1409.88
15-Apr-2010	1317	DR	M-SCOPE	10.82	0.00	1.42	9.40	1410.00
16-Jul-2010	1249	DR	M-SCOPE	9.31	0.00	1.42	7.89	1411.51
19-Oct-2010	1007	DR	M-SCOPE	10.62	0.00	1.42	9.20	1410.20
21-Jan-2011	1231	DR	M-SCOPE	10.58	0.00	1.42	9.16	1410.24
07-Apr-2011	1509	DR	M-SCOPE	10.68	0.00	1.42	9.26	1410.14
21-Jul-2011	1625	DR	M-SCOPE	15.03	0.00	1.42	13.61	1405.79
18-Oct-2011	1201	DR	M-SCOPE	14.54	0.00	1.42	13.12	1406.28
16-Jan-2012	1409	DR	M-SCOPE	14.03	0.00	1.42	12.61	1406.79
02-Mar-2012	916	DR	M-SCOPE	13.83	0.00	1.42	12.41	1406.99
27-Apr-2012	1301	DR	M-SCOPE	13.20	0.00	1.42	11.78	1407.62
31-Jul-2012	1412	DR	M-SCOPE	17.24	0.00	1.42	15.82	1403.58
19-Oct-2012	955	DR	M-SCOPE	16.23	0.00	1.42	14.81	1404.59

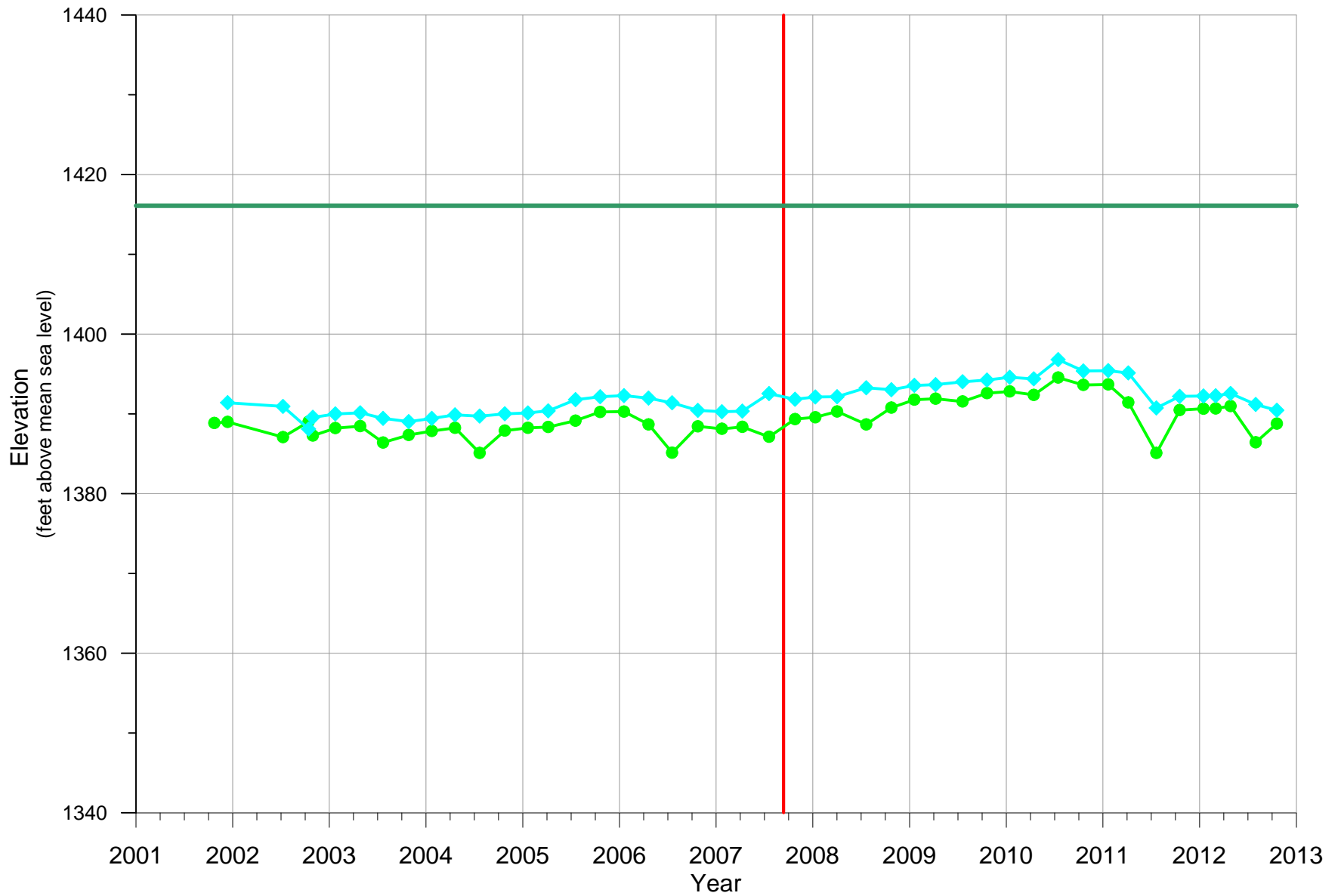
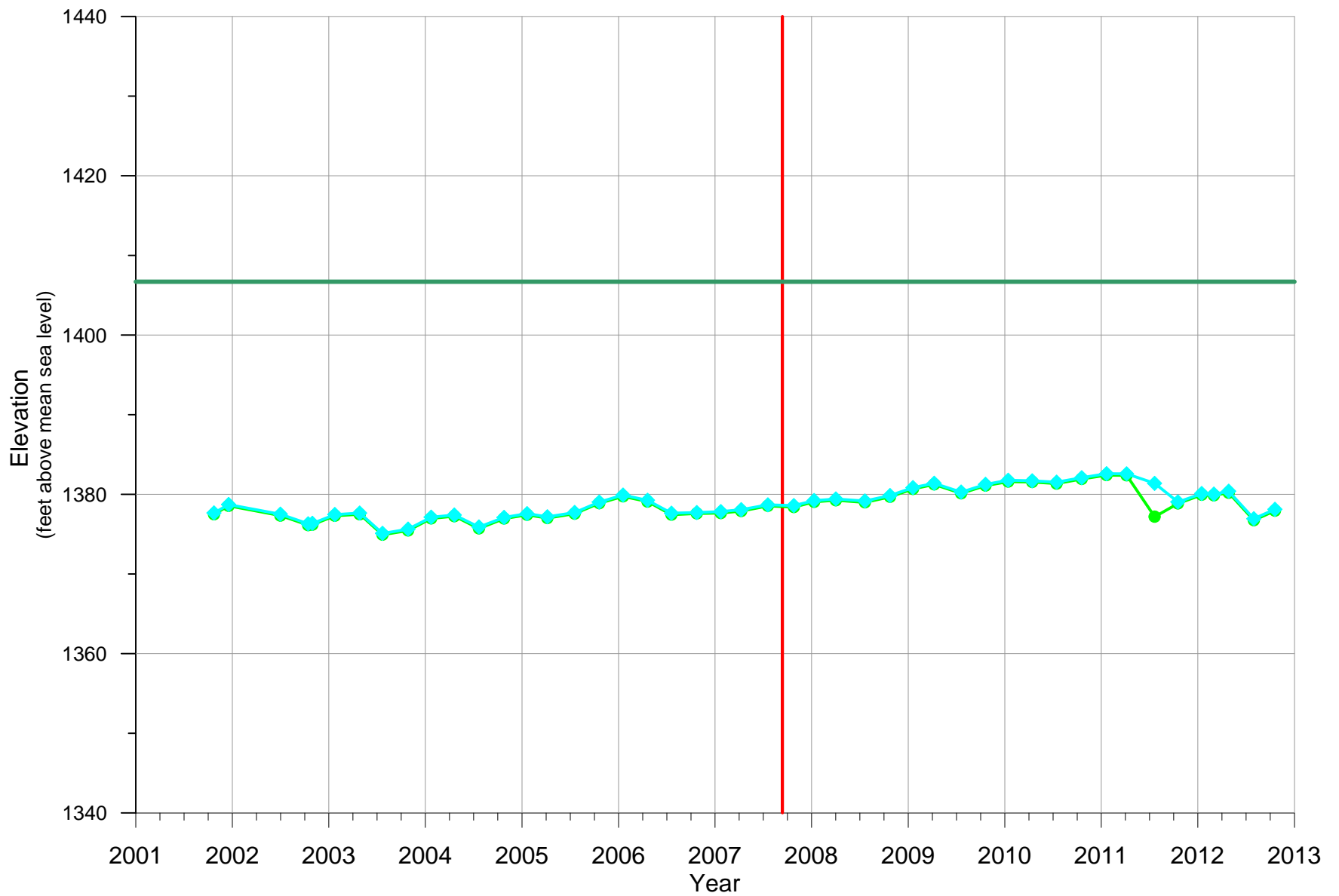


Figure D.20
 INDEX WELL HYDROGRAPHS
 IW-20A & IW20C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
10/24/01	1325	TB	M-SCOPE	26.55		1.74	24.81	1391.29
13-Dec-2001	1110	TB	M-SCOPE	26.44		1.74	24.70	1391.40
10-Jul-2002	905	TB	M-SCOPE	26.90		1.74	25.16	1390.94
15-Oct-2002	1050	CM	M-SCOPE	29.73		1.74	27.99	1388.11
31-Oct-2002	1058	TDB	M-SCOPE	28.27		1.74	26.53	1389.57
24-Jan-2003	1340	TB	M-SCOPE	27.85	0.00	1.74	26.11	1389.99
28-Apr-2003	1505	TB	M-SCOPE	27.70	0.00	1.74	25.96	1390.14
23-Jul-2003	1419	TB	M-SCOPE	28.40	0.00	1.74	26.66	1389.44
28-Oct-2003	1510	TB	M-SCOPE	28.81	0.00	1.74	27.07	1389.03
23-Jan-2004	1212	TB	M-SCOPE	28.41	0.00	1.74	26.67	1389.43
20-Apr-2004	1008	TB	M-SCOPE	27.96	0.00	1.74	26.22	1389.88
22-Jul-2004	1458	TB	M-SCOPE	28.12	0.00	1.74	26.38	1389.72
25-Oct-2004	1609	TB	M-SCOPE	27.83	0.00	1.74	26.09	1390.01
20-Jan-2005	1536	TB	M-SCOPE	27.72	0.00	1.74	25.98	1390.12
07-Apr-2005	1321	TB	M-SCOPE	27.46	0.00	1.74	25.72	1390.38
19-Jul-2005	1550	TB	M-SCOPE	26.06	0.00	1.74	24.32	1391.78
20-Oct-2005	1427	DR	M-SCOPE	25.69	0.00	1.74	23.95	1392.15
18-Jan-2006	1227	DR	M-SCOPE	25.55	0.00	1.74	23.81	1392.29
21-Apr-2006	1253	DR	M-SCOPE	25.86	0.00	1.74	24.12	1391.98
19-Jul-2006	1342	DR	M-SCOPE	26.45	0.00	1.74	24.71	1391.39
24-Oct-2006	1500	DR	M-SCOPE	27.40	0.00	1.74	25.66	1390.44
23-Jan-2007	1430	DR	M-SCOPE	27.57	0.00	1.74	25.83	1390.27
10-Apr-2007	1037	DR	M-SCOPE	27.50	0.00	1.74	25.76	1390.34
20-Jul-2007	1130	DR	M-SCOPE	25.30	0.00	1.74	23.56	1392.54
26-Oct-2007	1402	DR	M-SCOPE	26.01	0.00	1.74	24.27	1391.83
11-Jan-2008	1156	DR	M-SCOPE	25.72	0.00	1.74	23.98	1392.12
02-Apr-2008	1447	DR	M-SCOPE	25.69	0.00	1.74	23.95	1392.15
21-Jul-2008	1455	DR	M-SCOPE	24.57	0.00	1.74	22.83	1393.27
24-Oct-2008	1257	DR	M-SCOPE	24.81	0.00	1.74	23.07	1393.03
19-Jan-2009	1256	DR	M-SCOPE	24.27	0.00	1.74	22.53	1393.57
09-Apr-2009	1332	DR	M-SCOPE	24.17	0.00	1.74	22.43	1393.67
20-Jul-2009	1506	DR	M-SCOPE	23.82	0.00	1.74	22.08	1394.02
20-Oct-2009	1317	DR	M-SCOPE	23.60	0.00	1.74	21.86	1394.24
14-Jan-2010	1516	DR	M-SCOPE	23.25	0.00	1.74	21.51	1394.59
15-Apr-2010	1436	DR	M-SCOPE	23.45	0.00	1.74	21.71	1394.39
16-Jul-2010	1325	DR	M-SCOPE	21.04	0.00	1.74	19.30	1396.80
19-Oct-2010	1022	DR	M-SCOPE	22.46	0.00	1.74	20.72	1395.38
21-Jan-2011	1307	DR	M-SCOPE	22.42	0.00	1.74	20.68	1395.42
07-Apr-2011	1519	DR	M-SCOPE	22.71	0.00	1.74	20.97	1395.13
22-Jul-2011	1259	DR	M-SCOPE	27.10	0.00	1.74	25.36	1390.74
18-Oct-2011	1228	DR	M-SCOPE	25.64	0.00	1.74	23.90	1392.20
16-Jan-2012	1400	DR	M-SCOPE	25.60	0.00	1.74	23.86	1392.24
02-Mar-2012	937	DR	M-SCOPE	25.57	0.00	1.74	23.83	1392.27
27-Apr-2012	1325	DR	M-SCOPE	25.28	0.00	1.74	23.54	1392.56
31-Jul-2012	1403	DR	M-SCOPE	26.66	0.00	1.74	24.92	1391.18
19-Oct-2012	940	DR	M-SCOPE	27.39	0.00	1.74	25.65	1390.45

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1320	TB	M-SCOPE	28.42		1.18	27.24	1388.86
13-Dec-2001	1300	TB	M-SCOPE	28.29		1.18	27.11	1388.99
10-Jul-2002	1150	TB	M-SCOPE	30.19		1.18	29.01	1387.09
15-Oct-2002	1055	CM	M-SCOPE	28.26		1.18	27.08	1389.02
31-Oct-2002	1059	TDB	M-SCOPE	30.00		1.18	28.82	1387.28
24-Jan-2003	1341	TB	M-SCOPE	29.06	0.00	1.18	27.88	1388.22
28-Apr-2003	1506	TB	M-SCOPE	28.82	0.00	1.18	27.64	1388.46
23-Jul-2003	1420	TB	M-SCOPE	30.87	0.00	1.18	29.69	1386.41
28-Oct-2003	1511	TB	M-SCOPE	29.92	0.00	1.18	28.74	1387.36
23-Jan-2004	1213	TB	M-SCOPE	29.42	0.00	1.18	28.24	1387.86
20-Apr-2004	1009	TB	M-SCOPE	29.03	0.00	1.18	27.85	1388.25
22-Jul-2004	1458	TB	M-SCOPE	32.17	0.00	1.18	30.99	1385.11
25-Oct-2004	1610	TB	M-SCOPE	29.38	0.00	1.18	28.20	1387.90
20-Jan-2005	1536	TB	M-SCOPE	29.03	0.00	1.18	27.85	1388.25
07-Apr-2005	1321	TB	M-SCOPE	28.92	0.00	1.18	27.74	1388.36
19-Jul-2005	1551	TB	M-SCOPE	28.13	0.00	1.18	26.95	1389.15
20-Oct-2005	1428	DR	M-SCOPE	27.04	0.00	1.18	25.86	1390.24
18-Jan-2006	1228	DR	M-SCOPE	26.99	0.00	1.18	25.81	1390.29
21-Apr-2006	1254	DR	M-SCOPE	28.60	0.00	1.18	27.42	1388.68
19-Jul-2006	1343	DR	M-SCOPE	32.14	0.00	1.18	30.96	1385.14
24-Oct-2006	1501	DR	M-SCOPE	28.84	0.00	1.18	27.66	1388.44
23-Jan-2007	1430	DR	M-SCOPE	29.15	0.00	1.18	27.97	1388.13
10-Apr-2007	1037	DR	M-SCOPE	28.91	0.00	1.18	27.73	1388.37
20-Jul-2007	1129	DR	M-SCOPE	30.15	0.00	1.18	28.97	1387.13
26-Oct-2007	1402	DR	M-SCOPE	27.93	0.00	1.18	26.75	1389.35
11-Jan-2008	1155	DR	M-SCOPE	27.70	0.00	1.18	26.52	1389.58
02-Apr-2008	1447	DR	M-SCOPE	26.98	0.00	1.18	25.80	1390.30
21-Jul-2008	1454	DR	M-SCOPE	28.60	0.00	1.18	27.42	1388.68
24-Oct-2008	1256	DR	M-SCOPE	26.50	0.00	1.18	25.32	1390.78
19-Jan-2009	1255	DR	M-SCOPE	25.50	0.00	1.18	24.32	1391.78
09-Apr-2009	1332	DR	M-SCOPE	25.38	0.00	1.18	24.20	1391.90
20-Jul-2009	1505	DR	M-SCOPE	25.73	0.00	1.18	24.55	1391.55
20-Oct-2009	1316	DR	M-SCOPE	24.68	0.00	1.18	23.50	1392.60
14-Jan-2010	1516	DR	M-SCOPE	24.47	0.00	1.18	23.29	1392.81
15-Apr-2010	1436	DR	M-SCOPE	24.90	0.00	1.18	23.72	1392.38
16-Jul-2010	1325	DR	M-SCOPE	22.73	0.00	1.18	21.55	1394.55
19-Oct-2010	1022	DR	M-SCOPE	23.65	0.00	1.18	22.47	1393.63
21-Jan-2011	1307	DR	M-SCOPE	23.59	0.00	1.18	22.41	1393.69
07-Apr-2011	1519	DR	M-SCOPE	25.84	0.00	1.18	24.66	1391.44
22-Jul-2011	1300	DR	M-SCOPE	32.18	0.00	1.18	31.00	1385.10
18-Oct-2011	1227	DR	M-SCOPE	26.80	0.00	1.18	25.62	1390.48
16-Jan-2012	1401	DR	M-SCOPE	26.63	0.00	1.18	25.45	1390.65
02-Mar-2012	937	DR	M-SCOPE	26.60	0.00	1.18	25.42	1390.68
27-Apr-2012	1324	DR	M-SCOPE	26.30	0.00	1.18	25.12	1390.98
31-Jul-2012	1403	DR	M-SCOPE	30.85	0.00	1.18	29.67	1386.43
19-Oct-2012	940	DR	M-SCOPE	28.50	0.00	1.18	27.32	1388.78



LEGEND

- ◆ IW-21A
- ◆ IW-21C
- Ground Surface Elevation
- | ASR Phase I Operations Begin



Figure D.21
 INDEX WELL HYDROGRAPHS
 IW-21A & IW21C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1350	TB	M-SCOPE	30.61		1.58	29.03	1377.67
18-Dec-2001	1025	TB	M-SCOPE	29.56		1.58	27.98	1378.72
02-Jul-2002	935	TB	M-SCOPE	30.77		1.58	29.19	1377.51
15-Oct-2002	1110	CM	M-SCOPE	31.98		1.58	30.40	1376.30
31-Oct-2002	1046	TDB	M-SCOPE	31.92		1.58	30.34	1376.36
24-Jan-2003	1352	TB	M-SCOPE	30.82	0.00	1.58	29.24	1377.46
28-Apr-2003	1517	TB	M-SCOPE	30.63	0.00	1.58	29.05	1377.65
23-Jul-2003	1427	TB	M-SCOPE	33.18	0.00	1.58	31.60	1375.10
28-Oct-2003	1526	TB	M-SCOPE	32.65	0.00	1.58	31.07	1375.63
23-Jan-2004	1202	TB	M-SCOPE	31.15	0.00	1.58	29.57	1377.13
20-Apr-2004	956	TB	M-SCOPE	30.87	0.00	1.58	29.29	1377.41
22-Jul-2004	1507	TB	M-SCOPE	32.38	0.00	1.58	30.80	1375.90
25-Oct-2004	1620	TB	M-SCOPE	31.17	0.00	1.58	29.59	1377.11
20-Jan-2005	1546	TB	M-SCOPE	30.70	0.00	1.58	29.12	1377.58
07-Apr-2005	1312	TB	M-SCOPE	31.10	0.00	1.58	29.52	1377.18
19-Jul-2005	1600	TB	M-SCOPE	30.56	0.00	1.58	28.98	1377.72
20-Oct-2005	1440	DR	M-SCOPE	29.25	0.00	1.58	27.67	1379.03
18-Jan-2006	1239	DR	M-SCOPE	28.37	0.00	1.58	26.79	1379.91
21-Apr-2006	1247	DR	M-SCOPE	29.03	0.00	1.58	27.45	1379.25
20-Jul-2006	1515	DR	M-SCOPE	30.64	0.00	1.58	29.06	1377.64
24-Oct-2006	1523	DR	M-SCOPE	30.57	0.00	1.58	28.99	1377.71
23-Jan-2007	1437	DR	M-SCOPE	30.45	0.00	1.58	28.87	1377.83
10-Apr-2007	1133	DR	M-SCOPE	30.20	0.00	1.58	28.62	1378.08
20-Jul-2007	1122	DR	M-SCOPE	29.60	0.00	1.58	28.02	1378.68
26-Oct-2007	1530	DR	M-SCOPE	29.69	0.00	1.58	28.11	1378.59
11-Jan-2008	1148	DR	M-SCOPE	29.06	0.00	1.58	27.48	1379.22
02-Apr-2008	1440	DR	M-SCOPE	28.86	0.00	1.58	27.28	1379.42
21-Jul-2008	1438	DR	M-SCOPE	29.11	0.00	1.58	27.53	1379.17
24-Oct-2008	1246	DR	M-SCOPE	28.43	0.00	1.58	26.85	1379.85
19-Jan-2009	1403	DR	M-SCOPE	27.43	0.00	1.58	25.85	1380.85
09-Apr-2009	1324	DR	M-SCOPE	26.89	0.00	1.58	25.31	1381.39
20-Jul-2009	1457	DR	M-SCOPE	28.00	0.00	1.58	26.42	1380.28
20-Oct-2009	1326	DR	M-SCOPE	27.03	0.00	1.58	25.45	1381.25
14-Jan-2010	1525	DR	M-SCOPE	26.51	0.00	1.58	24.93	1381.77
15-Apr-2010	1445	DR	M-SCOPE	26.58	0.00	1.58	25.00	1381.70
16-Jul-2010	1334	DR	M-SCOPE	26.75	0.00	1.58	25.17	1381.53
19-Oct-2010	1425	DR	M-SCOPE	26.19	0.00	1.58	24.61	1382.09
21-Jan-2011	1434	DR	M-SCOPE	25.69	0.00	1.58	24.11	1382.59
07-Apr-2011	1553	DR	M-SCOPE	25.70	0.00	1.58	24.12	1382.58
22-Jul-2011	1300	DR	M-SCOPE	26.90	0.00	1.58	25.32	1381.38
18-Oct-2011	1305	DR	M-SCOPE	29.24	0.00	1.58	27.66	1379.04
16-Jan-2012	1354	DR	M-SCOPE	28.18	0.00	1.58	26.60	1380.10
02-Mar-2012	949	DR	M-SCOPE	28.25	0.00	1.58	26.67	1380.03
27-Apr-2012	1433	DR	M-SCOPE	27.89	0.00	1.58	26.31	1380.39
31-Jul-2012	1355	DR	M-SCOPE	31.34	0.00	1.58	29.76	1376.94
19-Oct-2012	930	DR	M-SCOPE	30.16	0.00	1.58	28.58	1378.12

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1345	TB	M-SCOPE	30.70		1.70	29.00	1377.50
18-Dec-2001	1145	TB	M-SCOPE	29.64		1.70	27.94	1378.56
02-Jul-2002	1135	TB	M-SCOPE	30.87		1.70	29.17	1377.33
15-Oct-2002	1115	CM	M-SCOPE	32.06		1.70	30.36	1376.14
31-Oct-2002	1048	TDB	M-SCOPE	32.00		1.70	30.30	1376.20
24-Jan-2003	1353	TB	M-SCOPE	30.89	0.00	1.70	29.19	1377.31
28-Apr-2003	1517	TB	M-SCOPE	30.70	0.00	1.70	29.00	1377.50
23-Jul-2003	1428	TB	M-SCOPE	33.27	0.00	1.70	31.57	1374.93
28-Oct-2003	1527	TB	M-SCOPE	32.74	0.00	1.70	31.04	1375.46
23-Jan-2004	1203	TB	M-SCOPE	31.22	0.00	1.70	29.52	1376.98
20-Apr-2004	957	TB	M-SCOPE	30.94	0.00	1.70	29.24	1377.26
22-Jul-2004	1507	TB	M-SCOPE	32.48	0.00	1.70	30.78	1375.72
25-Oct-2004	1621	TB	M-SCOPE	31.24	0.00	1.70	29.54	1376.96
20-Jan-2005	1546	TB	M-SCOPE	30.77	0.00	1.70	29.07	1377.43
07-Apr-2005	1313	TB	M-SCOPE	31.18	0.00	1.70	29.48	1377.02
19-Jul-2005	1601	TB	M-SCOPE	30.62	0.00	1.70	28.92	1377.58
20-Oct-2005	1441	DR	M-SCOPE	29.31	0.00	1.70	27.61	1378.89
18-Jan-2006	1239	DR	M-SCOPE	28.45	0.00	1.70	26.75	1379.75
21-Apr-2006	1246	DR	M-SCOPE	29.11	0.00	1.70	27.41	1379.09
20-Jul-2006	1516	DR	M-SCOPE	30.75	0.00	1.70	29.05	1377.45
24-Oct-2006	1523	DR	M-SCOPE	30.60	0.00	1.70	28.90	1377.60
23-Jan-2007	1437	DR	M-SCOPE	30.55	0.00	1.70	28.85	1377.65
10-Apr-2007	1132	DR	M-SCOPE	30.30	0.00	1.70	28.60	1377.90
20-Jul-2007	1122	DR	M-SCOPE	29.65	0.00	1.70	27.95	1378.55
26-Oct-2007	1531	DR	M-SCOPE	29.80	0.00	1.70	28.10	1378.40
11-Jan-2008	1149	DR	M-SCOPE	29.14	0.00	1.70	27.44	1379.06
02-Apr-2008	1439	DR	M-SCOPE	28.94	0.00	1.70	27.24	1379.26
21-Jul-2008	1439	DR	M-SCOPE	29.21	0.00	1.70	27.51	1378.99
24-Oct-2008	1246	DR	M-SCOPE	28.51	0.00	1.70	26.81	1379.69
19-Jan-2009	1403	DR	M-SCOPE	27.52	0.00	1.70	25.82	1380.68
09-Apr-2009	1324	DR	M-SCOPE	26.95	0.00	1.70	25.25	1381.25
20-Jul-2009	1457	DR	M-SCOPE	28.07	0.00	1.70	26.37	1380.13
20-Oct-2009	1326	DR	M-SCOPE	27.10	0.00	1.70	25.40	1381.10
14-Jan-2010	1526	DR	M-SCOPE	26.60	0.00	1.70	24.90	1381.60
15-Apr-2010	1446	DR	M-SCOPE	26.65	0.00	1.70	24.95	1381.55
16-Jul-2010	1334	DR	M-SCOPE	26.85	0.00	1.70	25.15	1381.35
19-Oct-2010	1425	DR	M-SCOPE	26.27	0.00	1.70	24.57	1381.93
21-Jan-2011	1433	DR	M-SCOPE	25.78	0.00	1.70	24.08	1382.42
07-Apr-2011	1553	DR	M-SCOPE	25.81	0.00	1.70	24.11	1382.39
22-Jul-2011	1301	DR	M-SCOPE	31.01	0.00	1.70	29.31	1377.19
18-Oct-2011	1305	DR	M-SCOPE	29.34	0.00	1.70	27.64	1378.86
16-Jan-2012	1354	DR	M-SCOPE	28.25	0.00	1.70	26.55	1379.95
02-Mar-2012	949	DR	M-SCOPE	28.32	0.00	1.70	26.62	1379.88
27-Apr-2012	1434	DR	M-SCOPE	28.00	0.00	1.70	26.30	1380.20
31-Jul-2012	1355	DR	M-SCOPE	31.45	0.00	1.70	29.75	1376.75
19-Oct-2012	931	DR	M-SCOPE	30.25	0.00	1.70	28.55	1377.95

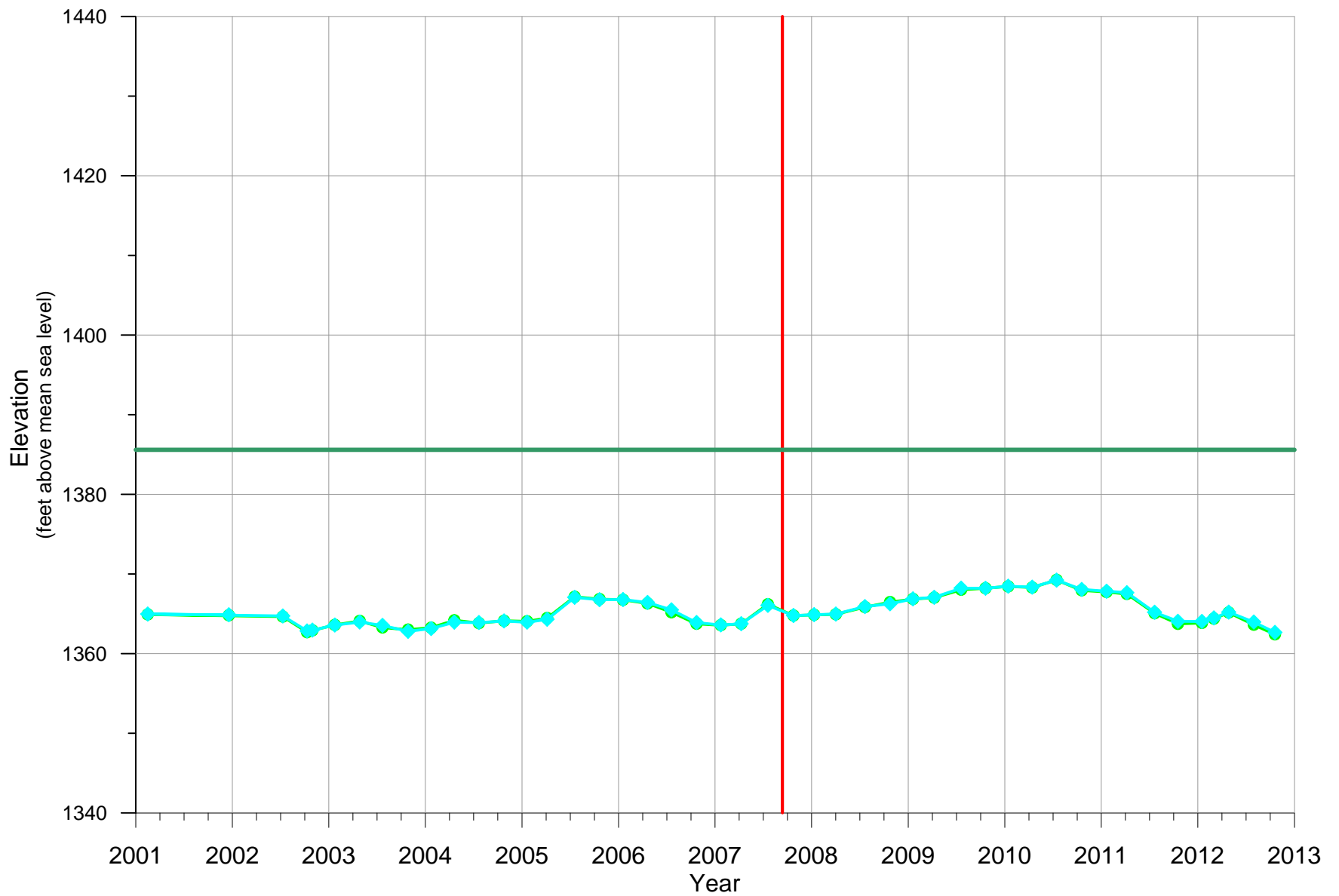


Figure D.22
 INDEX WELL HYDROGRAPHS
 IW-22A & IW22C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
19-Dec-2001	1005	TB	M-SCOPE	22.43		1.70	20.73	1364.87
15-Feb-2001	1410	TB	M-SCOPE	22.33		1.70	20.63	1364.97
11-Jul-2002	930	TB	M-SCOPE	22.57		1.70	20.87	1364.73
11-Oct-2002	1145	CM	M-SCOPE	24.45		1.70	22.75	1362.85
31-Oct-2002	930	MTD	M-SCOPE	24.35		1.70	22.65	1362.95
24-Jan-2003	1407	TB	M-SCOPE	23.71	0.00	1.70	22.01	1363.59
28-Apr-2003	1530	TB	M-SCOPE	23.34	0.00	1.70	21.64	1363.96
23-Jul-2003	1440	TB	M-SCOPE	23.76	0.00	1.70	22.06	1363.54
28-Oct-2003	1543	TB	M-SCOPE	24.50	0.00	1.70	22.80	1362.80
23-Jan-2004	1150	TB	M-SCOPE	24.15	0.00	1.70	22.45	1363.15
20-Apr-2004	941	TB	M-SCOPE	23.35	0.00	1.70	21.65	1363.95
22-Jul-2004	1518	TB	M-SCOPE	23.40	0.00	1.70	21.70	1363.90
25-Oct-2004	1701	TB	M-SCOPE	23.20	0.00	1.70	21.50	1364.10
20-Jan-2005	1611	TB	M-SCOPE	23.35	0.00	1.70	21.65	1363.95
06-Apr-2005	1421	TB	M-SCOPE	22.99	0.00	1.70	21.29	1364.31
19-Jul-2005	1620	TB	M-SCOPE	20.23	0.00	1.70	18.53	1367.07
21-Oct-2005	839	DR	M-SCOPE	20.53	0.00	1.70	18.83	1366.77
18-Jan-2006	1249	DR	M-SCOPE	20.51	0.00	1.70	18.81	1366.79
21-Apr-2006	1237	DR	M-SCOPE	20.88	0.00	1.70	19.18	1366.42
20-Jul-2006	1526	DR	M-SCOPE	21.80	0.00	1.70	20.10	1365.50
23-Oct-2006	1603	DR	M-SCOPE	23.40	0.00	1.70	21.70	1363.90
23-Jan-2007	1153	DR	M-SCOPE	23.70	0.00	1.70	22.00	1363.60
10-Apr-2007	1145	DR	M-SCOPE	23.55	0.00	1.70	21.85	1363.75
20-Jul-2007	1113	DR	M-SCOPE	21.25	0.00	1.70	19.55	1366.05
25-Oct-2007	1427	DR	M-SCOPE	22.52	0.00	1.70	20.82	1364.78
11-Jan-2008	1138	DR	M-SCOPE	22.41	0.00	1.70	20.71	1364.89
02-Apr-2008	1420	DR	M-SCOPE	22.33	0.00	1.70	20.63	1364.97
21-Jul-2008	1424	DR	M-SCOPE	21.39	0.00	1.70	19.69	1365.91
24-Oct-2008	1221	DR	M-SCOPE	21.04	0.00	1.70	19.34	1366.26
19-Jan-2009	1352	DR	M-SCOPE	20.43	0.00	1.70	18.73	1366.87
09-Apr-2009	1314	DR	M-SCOPE	20.22	0.00	1.70	18.52	1367.08
20-Jul-2009	1446	DR	M-SCOPE	19.08	0.00	1.70	17.38	1368.22
20-Oct-2009	1354	DR	M-SCOPE	19.09	0.00	1.70	17.39	1368.21
14-Jan-2010	1554	DR	M-SCOPE	18.84	0.00	1.70	17.14	1368.46
15-Apr-2010	1509	DR	M-SCOPE	18.95	0.00	1.70	17.25	1368.35
16-Jul-2010	1424	DR	M-SCOPE	18.07	0.00	1.70	16.37	1369.23
19-Oct-2010	1354	DR	M-SCOPE	19.24	0.00	1.70	17.54	1368.06
21-Jan-2011	1534	DR	M-SCOPE	19.47	0.00	1.70	17.77	1367.83
08-Apr-2011	1242	DR	M-SCOPE	19.65	0.00	1.70	17.95	1367.65
22-Jul-2011	1301	DR	M-SCOPE	22.11	0.00	1.70	20.41	1365.19
18-Oct-2011	1331	DR	M-SCOPE	23.24	0.00	1.70	21.54	1364.06
17-Jan-2012	1210	DR	M-SCOPE	23.26	0.00	1.70	21.56	1364.04
02-Mar-2012	1009	DR	M-SCOPE	22.82	0.00	1.70	21.12	1364.48
27-Apr-2012	1518	DR	M-SCOPE	22.09	0.00	1.70	20.39	1365.21
31-Jul-2012	1345	DR	M-SCOPE	23.34	0.00	1.70	21.64	1363.96
19-Oct-2012	918	DR	M-SCOPE	24.63	0.00	1.70	22.93	1362.67

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
19-Dec-2001	1140	TB	M-SCOPE	22.74		1.55	21.19	1364.81
15-Feb-2001	1415	TB	M-SCOPE	22.63		1.55	21.08	1364.92
11-Jul-2002	1200	TB	M-SCOPE	22.90		1.55	21.35	1364.65
11-Oct-2002	1150	CM	M-SCOPE	24.85		1.55	23.30	1362.70
31-Oct-2002	935	DMTD	M-SCOPE	24.63		1.55	23.08	1362.92
24-Jan-2003	1407	TB	M-SCOPE	23.94	0.00	1.55	22.39	1363.61
28-Apr-2003	1530	TB	M-SCOPE	23.45	0.00	1.55	21.90	1364.10
23-Jul-2003	1441	TB	M-SCOPE	24.27	0.00	1.55	22.72	1363.28
28-Oct-2003	1544	TB	M-SCOPE	24.54	0.00	1.55	22.99	1363.01
23-Jan-2004	1150	TB	M-SCOPE	24.29	0.00	1.55	22.74	1363.26
20-Apr-2004	942	TB	M-SCOPE	23.37	0.00	1.55	21.82	1364.18
22-Jul-2004	1519	TB	M-SCOPE	23.72	0.00	1.55	22.17	1363.83
25-Oct-2004	1701	TB	M-SCOPE	23.43	0.00	1.55	21.88	1364.12
20-Jan-2005	1612	TB	M-SCOPE	23.50	0.00	1.55	21.95	1364.05
06-Apr-2005	1422	TB	M-SCOPE	23.08	0.00	1.55	21.53	1364.47
19-Jul-2005	1621	TB	M-SCOPE	20.41	0.00	1.55	18.86	1367.14
21-Oct-2005	840	DR	M-SCOPE	20.71	0.00	1.55	19.16	1366.84
18-Jan-2006	1251	DR	M-SCOPE	20.79	0.00	1.55	19.24	1366.76
21-Apr-2006	1237	DR	M-SCOPE	21.25	0.00	1.55	19.70	1366.30
20-Jul-2006	1525	DR	M-SCOPE	22.35	0.00	1.55	20.80	1365.20
23-Oct-2006	1603	DR	M-SCOPE	23.80	0.00	1.55	22.25	1363.75
23-Jan-2007	1153	DR	M-SCOPE	23.98	0.00	1.55	22.43	1363.57
10-Apr-2007	1145	DR	M-SCOPE	23.80	0.00	1.55	22.25	1363.75
20-Jul-2007	1113	DR	M-SCOPE	21.35	0.00	1.55	19.80	1366.20
25-Oct-2007	1428	DR	M-SCOPE	22.77	0.00	1.55	21.22	1364.78
11-Jan-2008	1137	DR	M-SCOPE	22.68	0.00	1.55	21.13	1364.87
02-Apr-2008	1420	DR	M-SCOPE	22.61	0.00	1.55	21.06	1364.94
21-Jul-2008	1424	DR	M-SCOPE	21.71	0.00	1.55	20.16	1365.84
24-Oct-2008	1220	DR	M-SCOPE	21.09	0.00	1.55	19.54	1366.46
19-Jan-2009	1352	DR	M-SCOPE	20.69	0.00	1.55	19.14	1366.86
09-Apr-2009	1314	DR	M-SCOPE	20.52	0.00	1.55	18.97	1367.03
20-Jul-2009	1447	DR	M-SCOPE	19.53	0.00	1.55	17.98	1368.02
20-Oct-2009	1353	DR	M-SCOPE	19.34	0.00	1.55	17.79	1368.21
14-Jan-2010	1554	DR	M-SCOPE	19.11	0.00	1.55	17.56	1368.44
15-Apr-2010	1509	DR	M-SCOPE	19.25	0.00	1.55	17.70	1368.30
16-Jul-2010	1424	DR	M-SCOPE	18.30	0.00	1.55	16.75	1369.25
19-Oct-2010	1354	DR	M-SCOPE	19.60	0.00	1.55	18.05	1367.95
21-Jan-2011	1534	DR	M-SCOPE	19.81	0.00	1.55	18.26	1367.74
08-Apr-2011	1242	DR	M-SCOPE	20.06	0.00	1.55	18.51	1367.49
22-Jul-2011	1302	DR	M-SCOPE	22.48	0.00	1.55	20.93	1365.07
18-Oct-2011	1331	DR	M-SCOPE	23.81	0.00	1.55	22.26	1363.74
17-Jan-2012	1210	DR	M-SCOPE	23.69	0.00	1.55	22.14	1363.86
02-Mar-2012	1009	DR	M-SCOPE	23.16	0.00	1.55	21.61	1364.39
27-Apr-2012	1518	DR	M-SCOPE	22.39	0.00	1.55	20.84	1365.16
31-Jul-2012	1346	DR	M-SCOPE	23.92	0.00	1.55	22.37	1363.63
19-Oct-2012	917	DR	M-SCOPE	25.13	0.00	1.55	23.58	1362.42

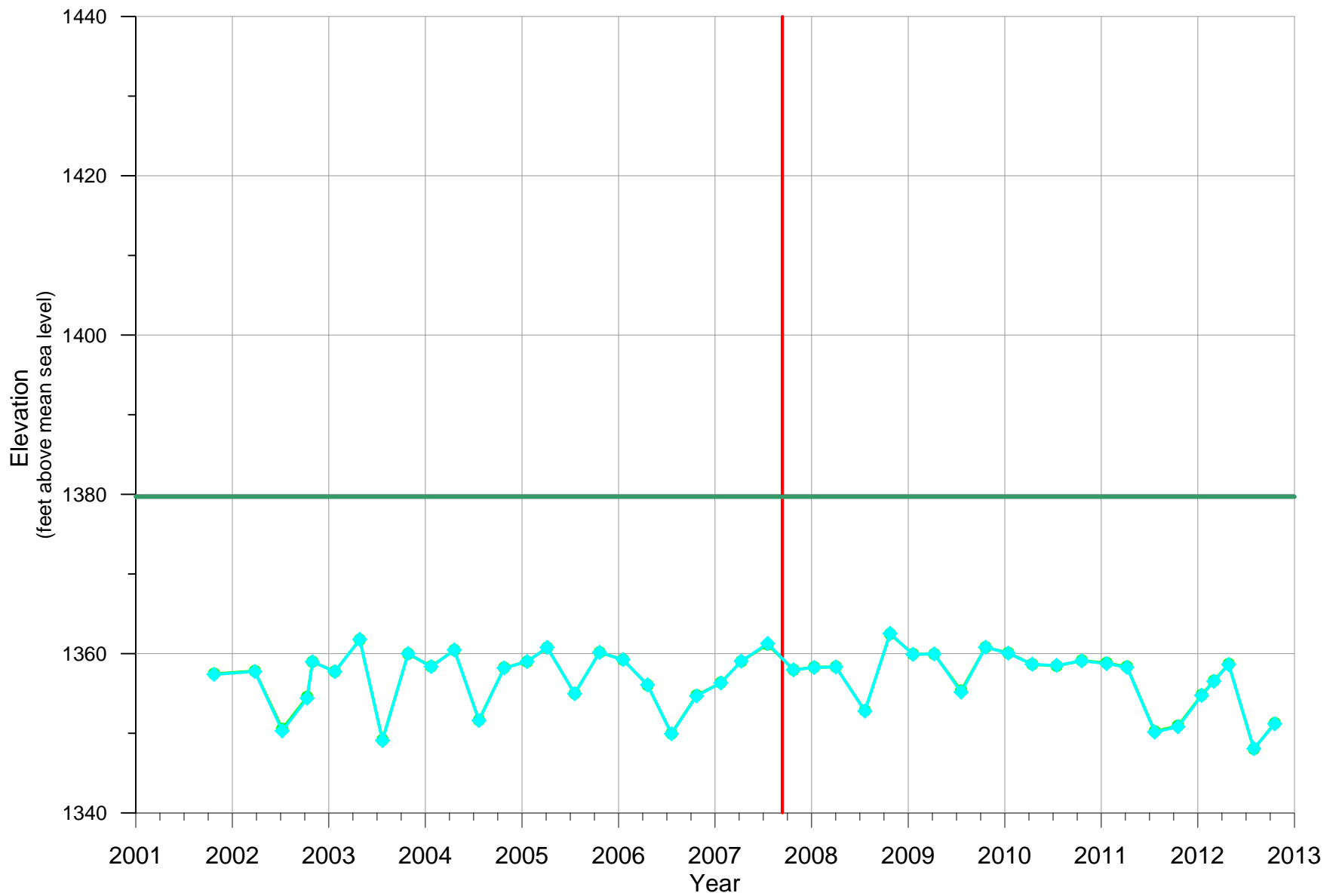


Figure D.23
 INDEX WELL HYDROGRAPHS
 IW-23A & IW23C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1410	TB	M-SCOPE	23.97		1.66	22.31	1357.39
27-Mar-2002	1100	TB	M-SCOPE	23.60		1.66	21.94	1357.76
09-Jul-2002	925	TB	M-SCOPE	31.06		1.66	29.40	1350.30
11-Oct-2002	1210	CM	M-SCOPE	26.96		1.66	25.30	1354.40
31-Oct-2002	941	TDB	M-SCOPE	22.39		1.66	20.73	1358.97
24-Jan-2003	1421	TB	M-SCOPE	23.62	0.00	1.66	21.96	1357.74
28-Apr-2003	1540	TB	M-SCOPE	19.57	0.00	1.66	17.91	1361.79
23-Jul-2003	1449	TB	M-SCOPE	32.27	0.00	1.66	30.61	1349.09
28-Oct-2003	1555	TB	M-SCOPE	21.35	0.00	1.66	19.69	1360.01
23-Jan-2004	1129	TB	M-SCOPE	22.99	0.00	1.66	21.33	1358.37
20-Apr-2004	930	TB	M-SCOPE	20.90	0.00	1.66	19.24	1360.46
22-Jul-2004	1528	TB	M-SCOPE	29.75	0.00	1.66	28.09	1351.61
25-Oct-2004	1713	TB	M-SCOPE	23.16	0.00	1.66	21.50	1358.20
20-Jan-2005	1601	TB	M-SCOPE	22.35	0.00	1.66	20.69	1359.01
06-Apr-2005	1412	TB	M-SCOPE	20.58	0.00	1.66	18.92	1360.78
19-Jul-2005	1612	TB	M-SCOPE	26.39	0.00	1.66	24.73	1354.97
21-Oct-2005	848	DR	M-SCOPE	21.21	0.00	1.66	19.55	1360.15
18-Jan-2006	1259	DR	M-SCOPE	22.11	0.00	1.66	20.45	1359.25
21-Apr-2006	1229	DR	M-SCOPE	25.29	0.00	1.66	23.63	1356.07
20-Jul-2006	1539	DR	M-SCOPE	31.43	0.00	1.66	29.77	1349.93
23-Oct-2006	1553	DR	M-SCOPE	26.68	0.00	1.66	25.02	1354.68
23-Jan-2007	1201	DR	M-SCOPE	25.04	0.00	1.66	23.38	1356.32
10-Apr-2007	1153	DR	M-SCOPE	22.31	0.00	1.66	20.65	1359.05
19-Jul-2007	1414	DR	M-SCOPE	20.09	0.00	1.66	18.43	1361.27
25-Oct-2007	1436	DR	M-SCOPE	23.40	0.00	1.66	21.74	1357.96
11-Jan-2008	1129	DR	M-SCOPE	23.10	0.00	1.66	21.44	1358.26
02-Apr-2008	1427	DR	M-SCOPE	23.03	0.00	1.66	21.37	1358.33
21-Jul-2008	1416	DR	M-SCOPE	28.57	0.00	1.66	26.91	1352.79
24-Oct-2008	1230	DR	M-SCOPE	18.83	0.00	1.66	17.17	1362.53
19-Jan-2009	1344	DR	M-SCOPE	21.46	0.00	1.66	19.80	1359.90
09-Apr-2009	1304	DR	M-SCOPE	21.39	0.00	1.66	19.73	1359.97
20-Jul-2009	1435	DR	M-SCOPE	26.20	0.00	1.66	24.54	1355.16
20-Oct-2009	1342	DR	M-SCOPE	20.56	0.00	1.66	18.90	1360.80
14-Jan-2010	1541	DR	M-SCOPE	21.31	0.00	1.66	19.65	1360.05
15-Apr-2010	1500	DR	M-SCOPE	22.70	0.00	1.66	21.04	1358.66
16-Jul-2010	1408	DR	M-SCOPE	22.84	0.00	1.66	21.18	1358.52
19-Oct-2010	1403	DR	M-SCOPE	22.27	0.00	1.66	20.61	1359.09
21-Jan-2011	1524	DR	M-SCOPE	22.62	0.00	1.66	20.96	1358.74
08-Apr-2011	1232	DR	M-SCOPE	23.07	0.00	1.66	21.41	1358.29
22-Jul-2011	1302	DR	M-SCOPE	31.21	0.00	1.66	29.55	1350.15
18-Oct-2011	1340	DR	M-SCOPE	30.55	0.00	1.66	28.89	1350.81
16-Jan-2012	1341	DR	M-SCOPE	26.61	0.00	1.66	24.95	1354.75
02-Mar-2012	1001	DR	M-SCOPE	24.83	0.00	1.66	23.17	1356.53
27-Apr-2012	1512	DR	M-SCOPE	22.72	0.00	1.66	21.06	1358.64
31-Jul-2012	1338	DR	M-SCOPE	33.29	0.00	1.66	31.63	1348.07
18-Oct-2012	1605	DR	M-SCOPE	30.17	0.00	1.66	28.51	1351.19

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1415	TB	M-SCOPE	23.78		1.54	22.24	1357.46
27-Mar-2002	1245	TB	M-SCOPE	23.42		1.54	21.88	1357.82
09-Jul-2002	1140	TB	M-SCOPE	30.70		1.54	29.16	1350.54
11-Oct-2002	1215	CM	M-SCOPE	26.69		1.54	25.15	1354.55
31-Oct-2002	942	TDB	M-SCOPE	22.26		1.54	20.72	1358.98
24-Jan-2003	1421	TB	M-SCOPE	23.48	0.00	1.54	21.94	1357.76
28-Apr-2003	1540	TB	M-SCOPE	19.49	0.00	1.54	17.95	1361.75
23-Jul-2003	1449	TB	M-SCOPE	32.07	0.00	1.54	30.53	1349.17
28-Oct-2003	1556	TB	M-SCOPE	21.25	0.00	1.54	19.71	1359.99
23-Jan-2004	1129	TB	M-SCOPE	22.85	0.00	1.54	21.31	1358.39
20-Apr-2004	931	TB	M-SCOPE	20.79	0.00	1.54	19.25	1360.45
22-Jul-2004	1528	TB	M-SCOPE	29.59	0.00	1.54	28.05	1351.65
25-Oct-2004	1713	TB	M-SCOPE	23.02	0.00	1.54	21.48	1358.22
20-Jan-2005	1601	TB	M-SCOPE	22.24	0.00	1.54	20.70	1359.00
06-Apr-2005	1413	TB	M-SCOPE	20.48	0.00	1.54	18.94	1360.76
19-Jul-2005	1612	TB	M-SCOPE	26.25	0.00	1.54	24.71	1354.99
21-Oct-2005	849	DR	M-SCOPE	21.08	0.00	1.54	19.54	1360.16
18-Jan-2006	1259	DR	M-SCOPE	22.00	0.00	1.54	20.46	1359.24
21-Apr-2006	1229	DR	M-SCOPE	25.20	0.00	1.54	23.66	1356.04
20-Jul-2006	1538	DR	M-SCOPE	31.27	0.00	1.54	29.73	1349.97
23-Oct-2006	1554	DR	M-SCOPE	26.49	0.00	1.54	24.95	1354.75
23-Jan-2007	1201	DR	M-SCOPE	24.88	0.00	1.54	23.34	1356.36
10-Apr-2007	1153	DR	M-SCOPE	22.21	0.00	1.54	20.67	1359.03
19-Jul-2007	1414	DR	M-SCOPE	20.07	0.00	1.54	18.53	1361.17
25-Oct-2007	1437	DR	M-SCOPE	23.27	0.00	1.54	21.73	1357.97
11-Jan-2008	1128	DR	M-SCOPE	22.95	0.00	1.54	21.41	1358.29
02-Apr-2008	1428	DR	M-SCOPE	22.90	0.00	1.54	21.36	1358.34
21-Jul-2008	1416	DR	M-SCOPE	28.40	0.00	1.54	26.86	1352.84
24-Oct-2008	1231	DR	M-SCOPE	18.76	0.00	1.54	17.22	1362.48
19-Jan-2009	1343	DR	M-SCOPE	21.30	0.00	1.54	19.76	1359.94
09-Apr-2009	1305	DR	M-SCOPE	21.29	0.00	1.54	19.75	1359.95
20-Jul-2009	1436	DR	M-SCOPE	25.90	0.00	1.54	24.36	1355.34
20-Oct-2009	1343	DR	M-SCOPE	20.44	0.00	1.54	18.90	1360.80
14-Jan-2010	1540	DR	M-SCOPE	21.15	0.00	1.54	19.61	1360.09
15-Apr-2010	1500	DR	M-SCOPE	22.58	0.00	1.54	21.04	1358.66
16-Jul-2010	1409	DR	M-SCOPE	22.78	0.00	1.54	21.24	1358.46
19-Oct-2010	1403	DR	M-SCOPE	22.11	0.00	1.54	20.57	1359.13
21-Jan-2011	1524	DR	M-SCOPE	22.41	0.00	1.54	20.87	1358.83
08-Apr-2011	1232	DR	M-SCOPE	22.88	0.00	1.54	21.34	1358.36
22-Jul-2011	1302	DR	M-SCOPE	31.00	0.00	1.54	29.46	1350.24
18-Oct-2011	1340	DR	M-SCOPE	30.31	0.00	1.54	28.77	1350.93
16-Jan-2012	1341	DR	M-SCOPE	26.42	0.00	1.54	24.88	1354.82
02-Mar-2012	1001	DR	M-SCOPE	24.65	0.00	1.54	23.11	1356.59
27-Apr-2012	1511	DR	M-SCOPE	22.55	0.00	1.54	21.01	1358.69
31-Jul-2012	1338	DR	M-SCOPE	33.20	0.00	1.54	31.66	1348.04
18-Oct-2012	1605	DR	M-SCOPE	29.99	0.00	1.54	28.45	1351.25

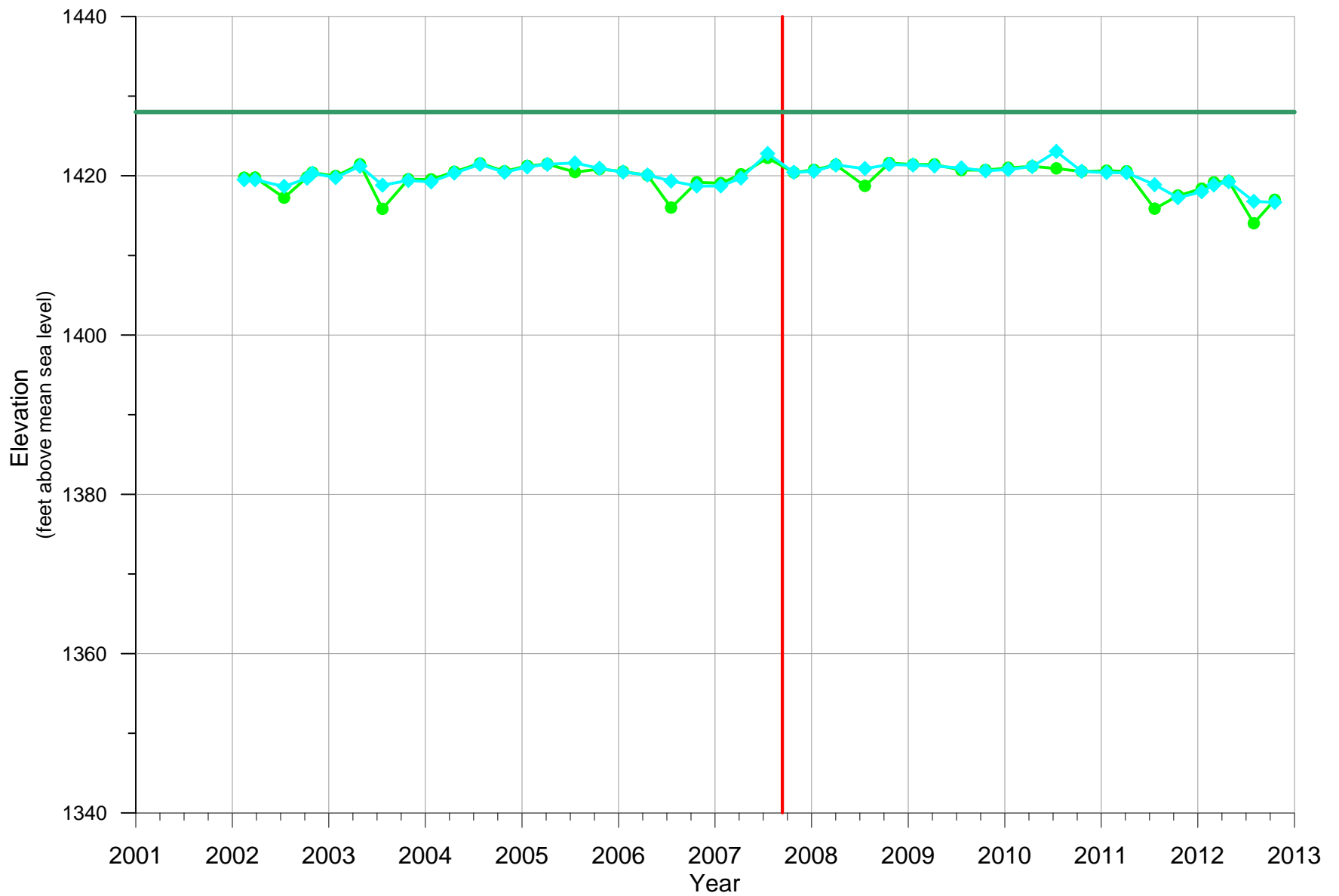


Figure D.24
 INDEX WELL HYDROGRAPHS
 IW-24A & IW24C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1140	TB	M-SCOPE	10.30		1.79	8.51	1419.49
28-Mar-2002	1025	TB	M-SCOPE	10.29		1.79	8.50	1419.50
16-Jul-2002	950	TB	M-SCOPE	11.13		1.79	9.34	1418.66
11-Oct-2002	1225	CM	M-SCOPE	10.10		1.79	8.31	1419.69
31-Oct-2002	1147	TDB	M-SCOPE	9.48		1.79	7.69	1420.31
27-Jan-2003	923	TB	M-SCOPE	10.02	0.00	1.79	8.23	1419.77
29-Apr-2003	1011	TB	M-SCOPE	8.59	0.00	1.79	6.80	1421.20
23-Jul-2003	1551	TB	M-SCOPE	10.97	0.00	1.79	9.18	1418.82
29-Oct-2003	1207	TB	M-SCOPE	10.38	0.00	1.79	8.59	1419.41
23-Jan-2004	1248	TB	M-SCOPE	10.56	0.00	1.79	8.77	1419.23
20-Apr-2004	1036	TB	M-SCOPE	9.45	0.00	1.79	7.66	1420.34
26-Jul-2004	1107	TB	M-SCOPE	8.36	0.00	1.79	6.57	1421.43
27-Oct-2004	1259	TB	M-SCOPE	9.35	0.00	1.79	7.56	1420.44
21-Jan-2005	947	TB	M-SCOPE	8.68	0.00	1.79	6.89	1421.11
07-Apr-2005	1349	TB	M-SCOPE	8.35	0.00	1.79	6.56	1421.44
20-Jul-2005	947	TB	M-SCOPE	8.18	0.00	1.79	6.39	1421.61
21-Oct-2005	1129	DR	M-SCOPE	8.86	0.00	1.79	7.07	1420.93
18-Jan-2006	1405	DR	M-SCOPE	9.33	0.00	1.79	7.54	1420.46
21-Apr-2006	1124	DR	M-SCOPE	9.70	0.00	1.79	7.91	1420.09
19-Jul-2006	1316	DR	M-SCOPE	10.46	0.00	1.79	8.67	1419.33
24-Oct-2006	1430	DR	M-SCOPE	11.08	0.00	1.79	9.29	1418.71
23-Jan-2007	1604	DR	M-SCOPE	11.07	0.00	1.79	9.28	1418.72
09-Apr-2007	1504	DR	M-SCOPE	10.08	0.00	1.79	8.29	1419.71
19-Jul-2007	1530	DR	M-SCOPE	7.00	0.00	1.79	5.21	1422.79
26-Oct-2007	1306	DR	M-SCOPE	9.36	0.00	1.79	7.57	1420.43
10-Jan-2008	1656	DR	M-SCOPE	9.22	0.00	1.79	7.43	1420.57
02-Apr-2008	1521	DR	M-SCOPE	8.44	0.00	1.79	6.65	1421.35
21-Jul-2008	1238	DR	M-SCOPE	8.89	0.00	1.79	7.10	1420.90
21-Oct-2008	1150	TR	M-SCOPE	8.37	0.00	1.79	6.58	1421.42
19-Jan-2009	1207	DR	M-SCOPE	8.44	0.00	1.79	6.65	1421.35
10-Apr-2009	1121	DR	M-SCOPE	8.57	0.00	1.79	6.78	1421.22
21-Jul-2009	1438	DR	M-SCOPE	8.81	0.00	1.79	7.02	1420.98
20-Oct-2009	1459	DR	M-SCOPE	9.17	0.00	1.79	7.38	1420.62
14-Jan-2010	1637	DR	M-SCOPE	9.00	0.00	1.79	7.21	1420.79
15-Apr-2010	1332	DR	M-SCOPE	8.64	0.00	1.79	6.85	1421.15
15-Jul-2010	1549	DR	M-SCOPE	6.74	0.00	1.79	4.95	1423.05
19-Oct-2010	934	DR	M-SCOPE	9.24	0.00	1.79	7.45	1420.55
21-Jan-2011	1148	DR	M-SCOPE	9.39	0.00	1.79	7.60	1420.40
07-Apr-2011	1339	DR	M-SCOPE	9.42	0.00	1.79	7.63	1420.37
22-Jul-2011	1303	DR	M-SCOPE	10.91	0.00	1.79	9.12	1418.88
18-Oct-2011	1137	DR	M-SCOPE	12.55	0.00	1.79	10.76	1417.24
16-Jan-2012	1238	DR	M-SCOPE	11.80	0.00	1.79	10.01	1417.99
02-Mar-2012	1105	DR	M-SCOPE	10.94	0.00	1.79	9.15	1418.85
27-Apr-2012	1135	DR	M-SCOPE	10.54	0.00	1.79	8.75	1419.25
31-Jul-2012	1230	DR	M-SCOPE	13.00	0.00	1.79	11.21	1416.79
18-Oct-2012	1416	DR	M-SCOPE	13.13	0.00	1.79	11.34	1416.66

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1145	TB	M-SCOPE	10.02		1.67	8.35	1419.75
28-Mar-2002	1200	TB	M-SCOPE	10.00		1.67	8.33	1419.77
16-Jul-2002	1140	TB	M-SCOPE	12.53		1.67	10.86	1417.24
11-Oct-2002	1230	CM	M-SCOPE	9.97		1.67	8.30	1419.80
31-Oct-2002	1148	TDB	M-SCOPE	9.37		1.67	7.70	1420.40
27-Jan-2003	924	TB	M-SCOPE	9.81	0.00	1.67	8.14	1419.96
29-Apr-2003	1012	TB	M-SCOPE	8.34	0.00	1.67	6.67	1421.43
23-Jul-2003	1552	TB	M-SCOPE	13.92	0.00	1.67	12.25	1415.85
29-Oct-2003	1208	TB	M-SCOPE	10.21	0.00	1.67	8.54	1419.56
23-Jan-2004	1248	TB	M-SCOPE	10.23	0.00	1.67	8.56	1419.54
20-Apr-2004	1037	TB	M-SCOPE	9.27	0.00	1.67	7.60	1420.50
26-Jul-2004	1107	TB	M-SCOPE	8.21	0.00	1.67	6.54	1421.56
27-Oct-2004	1259	TB	M-SCOPE	9.21	0.00	1.67	7.54	1420.56
21-Jan-2005	947	TB	M-SCOPE	8.53	0.00	1.67	6.86	1421.24
07-Apr-2005	1349	TB	M-SCOPE	8.29	0.00	1.67	6.62	1421.48
20-Jul-2005	948	TB	M-SCOPE	9.31	0.00	1.67	7.64	1420.46
21-Oct-2005	1129	DR	M-SCOPE	8.93	0.00	1.67	7.26	1420.84
18-Jan-2006	1407	DR	M-SCOPE	9.24	0.00	1.67	7.57	1420.53
21-Apr-2006	1124	DR	M-SCOPE	9.71	0.00	1.67	8.04	1420.06
19-Jul-2006	1317	DR	M-SCOPE	13.78	0.00	1.67	12.11	1415.99
24-Oct-2006	1430	DR	M-SCOPE	10.59	0.00	1.67	8.92	1419.18
23-Jan-2007	1604	DR	M-SCOPE	10.70	0.00	1.67	9.03	1419.07
09-Apr-2007	1504	DR	M-SCOPE	9.59	0.00	1.67	7.92	1420.18
19-Jul-2007	1530	DR	M-SCOPE	7.53	0.00	1.67	5.86	1422.24
26-Oct-2007	1306	DR	M-SCOPE	9.36	0.00	1.67	7.69	1420.41
10-Jan-2008	1656	DR	M-SCOPE	9.03	0.00	1.67	7.36	1420.74
02-Apr-2008	1521	DR	M-SCOPE	8.40	0.00	1.67	6.73	1421.37
21-Jul-2008	1238	DR	M-SCOPE	11.05	0.00	1.67	9.38	1418.72
21-Oct-2008	1150	TR	M-SCOPE	8.17	0.00	1.67	6.50	1421.60
19-Jan-2009	1206	DR	M-SCOPE	8.36	0.00	1.67	6.69	1421.41
10-Apr-2009	1121	DR	M-SCOPE	8.35	0.00	1.67	6.68	1421.42
21-Jul-2009	1437	DR	M-SCOPE	9.06	0.00	1.67	7.39	1420.71
20-Oct-2009	1500	DR	M-SCOPE	9.05	0.00	1.67	7.38	1420.72
14-Jan-2010	1636	DR	M-SCOPE	8.78	0.00	1.67	7.11	1420.99
15-Apr-2010	1333	DR	M-SCOPE	8.59	0.00	1.67	6.92	1421.18
15-Jul-2010	1550	DR	M-SCOPE	8.85	0.00	1.67	7.18	1420.92
19-Oct-2010	935	DR	M-SCOPE	9.23	0.00	1.67	7.56	1420.54
21-Jan-2011	1149	DR	M-SCOPE	9.14	0.00	1.67	7.47	1420.63
07-Apr-2011	1339	DR	M-SCOPE	9.22	0.00	1.67	7.55	1420.55
22-Jul-2011	1303	DR	M-SCOPE	13.91	0.00	1.67	12.24	1415.86
18-Oct-2011	1137	DR	M-SCOPE	12.26	0.00	1.67	10.59	1417.51
16-Jan-2012	1238	DR	M-SCOPE	11.39	0.00	1.67	9.72	1418.38
02-Mar-2012	1105	DR	M-SCOPE	10.60	0.00	1.67	8.93	1419.17
27-Apr-2012	1135	DR	M-SCOPE	10.45	0.00	1.67	8.78	1419.32
31-Jul-2012	1230	DR	M-SCOPE	15.74	0.00	1.67	14.07	1414.03
18-Oct-2012	1416	DR	M-SCOPE	12.79	0.00	1.67	11.12	1416.98

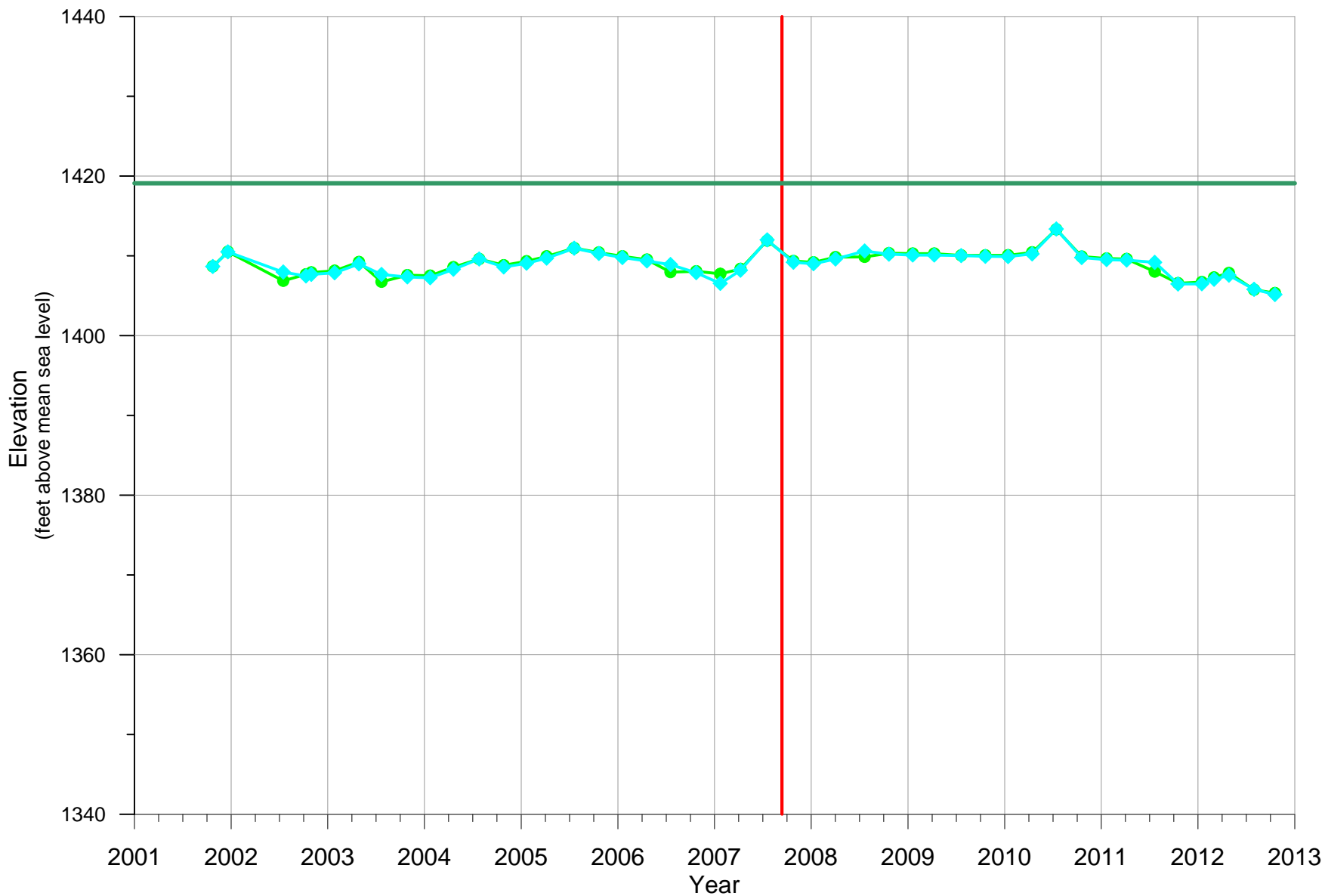


Figure D.25
 INDEX WELL HYDROGRAPHS
 IW-25A & IW25C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1505	TB	M-SCOPE	12.13		1.69	10.44	1408.66
20-Dec-2001	1035	TB	M-SCOPE	10.30		1.69	8.61	1410.49
17-Jul-2002	915	TB	M-SCOPE	12.83		1.69	11.14	1407.96
11-Oct-2002	1245	CM	M-SCOPE	13.31		1.69	11.62	1407.48
31-Oct-2002	1200	TDB	M--SCOPE	13.11		1.69	11.42	1407.68
27-Jan-2003	938	TB	M-SCOPE	12.92	0.00	1.69	11.23	1407.87
29-Apr-2003	1022	TB	M-SCOPE	11.80	0.00	1.69	10.11	1408.99
23-Jul-2003	1542	TB	M-SCOPE	13.13	0.00	1.69	11.44	1407.66
29-Oct-2003	1219	TB	M-SCOPE	13.43	0.00	1.69	11.74	1407.36
23-Jan-2004	1307	TB	M-SCOPE	13.54	0.00	1.69	11.85	1407.25
20-Apr-2004	1110	TB	M-SCOPE	12.48	0.00	1.69	10.79	1408.31
26-Jul-2004	1054	TB	M-SCOPE	11.18	0.00	1.69	9.49	1409.61
27-Oct-2004	1246	TB	M-SCOPE	12.18	0.00	1.69	10.49	1408.61
21-Jan-2005	1000	TB	M-SCOPE	11.72	0.00	1.69	10.03	1409.07
07-Apr-2005	1412	TB	M-SCOPE	11.08	0.00	1.69	9.39	1409.71
20-Jul-2005	1001	TB	M-SCOPE	9.84	0.00	1.69	8.15	1410.95
21-Oct-2005	1116	DR	M-SCOPE	10.49	0.00	1.69	8.80	1410.30
18-Jan-2006	1356	DR	M-SCOPE	11.00	0.00	1.69	9.31	1409.79
21-Apr-2006	1117	DR	M-SCOPE	11.43	0.00	1.69	9.74	1409.36
19-Jul-2006	1330	DR	M-SCOPE	11.89	0.00	1.69	10.20	1408.90
24-Oct-2006	1442	DR	M-SCOPE	12.90	0.00	1.69	11.21	1407.89
23-Jan-2007	1526	DR	M-SCOPE	14.25	0.00	1.69	12.56	1406.54
09-Apr-2007	1456	DR	M-SCOPE	12.60	0.00	1.69	10.91	1408.19
19-Jul-2007	1520	DR	M-SCOPE	8.80	0.00	1.69	7.11	1411.99
26-Oct-2007	1316	DR	M-SCOPE	11.59	0.00	1.69	9.90	1409.20
10-Jan-2008	1648	DR	M-SCOPE	11.78	0.00	1.69	10.09	1409.01
02-Apr-2008	1605	DR	M-SCOPE	11.18	0.00	1.69	9.49	1409.61
21-Jul-2008	1225	DR	M-SCOPE	10.19	0.00	1.69	8.50	1410.60
21-Oct-2008	1123	TR	M-SCOPE	10.58	0.00	1.69	8.89	1410.21
19-Jan-2009	1223	DR	M-SCOPE	10.69	0.00	1.69	9.00	1410.10
10-Apr-2009	1111	DR	M-SCOPE	10.69	0.00	1.69	9.00	1410.10
21-Jul-2009	1429	DR	M-SCOPE	10.76	0.00	1.69	9.07	1410.03
20-Oct-2009	1511	DR	M-SCOPE	10.85	0.00	1.69	9.16	1409.94
14-Jan-2010	1618	DR	M-SCOPE	10.88	0.00	1.69	9.19	1409.91
15-Apr-2010	1349	DR	M-SCOPE	10.55	0.00	1.69	8.86	1410.24
15-Jul-2010	1540	DR	M-SCOPE	7.43	0.00	1.69	5.74	1413.36
19-Oct-2010	953	DR	M-SCOPE	11.00	0.00	1.69	9.31	1409.79
21-Jan-2011	1241	DR	M-SCOPE	11.27	0.00	1.69	9.58	1409.52
07-Apr-2011	1357	DR	M-SCOPE	11.33	0.00	1.69	9.64	1409.46
22-Jul-2011	1304	DR	M-SCOPE	11.61	0.00	1.69	9.92	1409.18
18-Oct-2011	1152	DR	M-SCOPE	14.32	0.00	1.69	12.63	1406.47
16-Jan-2012	1245	DR	M-SCOPE	14.30	0.00	1.69	12.61	1406.49
02-Mar-2012	1058	DR	M-SCOPE	13.74	0.00	1.69	12.05	1407.05
27-Apr-2012	1308	DR	M-SCOPE	13.22	0.00	1.69	11.53	1407.57
31-Jul-2012	1241	DR	M-SCOPE	14.99	0.00	1.69	13.30	1405.80
18-Oct-2012	1425	DR	M-SCOPE	15.64	0.00	1.69	13.95	1405.15

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
24-Oct-2001	1500	TB	M-SCOPE	11.88		1.46	10.42	1408.68
20-Dec-2001	1155	TB	M-SCOPE	10.05		1.46	8.59	1410.51
17-Jul-2002	1140	TB	M-SCOPE	13.69		1.46	12.23	1406.87
11-Oct-2002	1250	CM	M-SCOPE	12.88		1.46	11.42	1407.68
31-Oct-2002	1202	TDB	M-SCOPE	12.64		1.46	11.18	1407.92
27-Jan-2003	939	TB	M-SCOPE	12.43	0.00	1.46	10.97	1408.13
29-Apr-2003	1023	TB	M-SCOPE	11.33	0.00	1.46	9.87	1409.23
23-Jul-2003	1543	TB	M-SCOPE	13.81	0.00	1.46	12.35	1406.75
29-Oct-2003	1220	TB	M-SCOPE	12.98	0.00	1.46	11.52	1407.58
23-Jan-2004	1307	TB	M-SCOPE	13.05	0.00	1.46	11.59	1407.51
20-Apr-2004	1111	TB	M-SCOPE	11.98	0.00	1.46	10.52	1408.58
26-Jul-2004	1054	TB	M-SCOPE	10.95	0.00	1.46	9.49	1409.61
27-Oct-2004	1247	TB	M-SCOPE	11.74	0.00	1.46	10.28	1408.82
21-Jan-2005	1000	TB	M-SCOPE	11.24	0.00	1.46	9.78	1409.32
07-Apr-2005	1413	TB	M-SCOPE	10.63	0.00	1.46	9.17	1409.93
20-Jul-2005	1001	TB	M-SCOPE	9.59	0.00	1.46	8.13	1410.97
21-Oct-2005	1116	DR	M-SCOPE	10.14	0.00	1.46	8.68	1410.42
18-Jan-2006	1356	DR	M-SCOPE	10.62	0.00	1.46	9.16	1409.94
21-Apr-2006	1117	DR	M-SCOPE	11.04	0.00	1.46	9.58	1409.52
19-Jul-2006	1330	DR	M-SCOPE	12.60	0.00	1.46	11.14	1407.96
24-Oct-2006	1441	DR	M-SCOPE	12.50	0.00	1.46	11.04	1408.06
23-Jan-2007	1526	DR	M-SCOPE	12.82	0.00	1.46	11.36	1407.74
09-Apr-2007	1456	DR	M-SCOPE	12.20	0.00	1.46	10.74	1408.36
19-Jul-2007	1520	DR	M-SCOPE	8.65	0.00	1.46	7.19	1411.91
26-Oct-2007	1316	DR	M-SCOPE	11.21	0.00	1.46	9.75	1409.35
10-Jan-2008	1647	DR	M-SCOPE	11.38	0.00	1.46	9.92	1409.18
02-Apr-2008	1606	DR	M-SCOPE	10.73	0.00	1.46	9.27	1409.83
21-Jul-2008	1226	DR	M-SCOPE	10.69	0.00	1.46	9.23	1409.87
21-Oct-2008	1124	TR	M-SCOPE	10.23	0.00	1.46	8.77	1410.33
19-Jan-2009	1223	DR	M-SCOPE	10.28	0.00	1.46	8.82	1410.28
10-Apr-2009	1112	DR	M-SCOPE	10.28	0.00	1.46	8.82	1410.28
21-Jul-2009	1429	DR	M-SCOPE	10.51	0.00	1.46	9.05	1410.05
20-Oct-2009	1511	DR	M-SCOPE	10.50	0.00	1.46	9.04	1410.06
14-Jan-2010	1618	DR	M-SCOPE	10.49	0.00	1.46	9.03	1410.07
15-Apr-2010	1349	DR	M-SCOPE	10.13	0.00	1.46	8.67	1410.43
15-Jul-2010	1540	DR	M-SCOPE	7.24	0.00	1.46	5.78	1413.32
19-Oct-2010	953	DR	M-SCOPE	10.65	0.00	1.46	9.19	1409.91
21-Jan-2011	1241	DR	M-SCOPE	10.89	0.00	1.46	9.43	1409.67
07-Apr-2011	1356	DR	M-SCOPE	10.96	0.00	1.46	9.50	1409.60
22-Jul-2011	1304	DR	M-SCOPE	12.54	0.00	1.46	11.08	1408.02
18-Oct-2011	1152	DR	M-SCOPE	13.99	0.00	1.46	12.53	1406.57
16-Jan-2012	1246	DR	M-SCOPE	13.85	0.00	1.46	12.39	1406.71
02-Mar-2012	1057	DR	M-SCOPE	13.27	0.00	1.46	11.81	1407.29
27-Apr-2012	1308	DR	M-SCOPE	12.71	0.00	1.46	11.25	1407.85
31-Jul-2012	1241	DR	M-SCOPE	14.80	0.00	1.46	13.34	1405.76
18-Oct-2012	1426	DR	M-SCOPE	15.23	0.00	1.46	13.77	1405.33

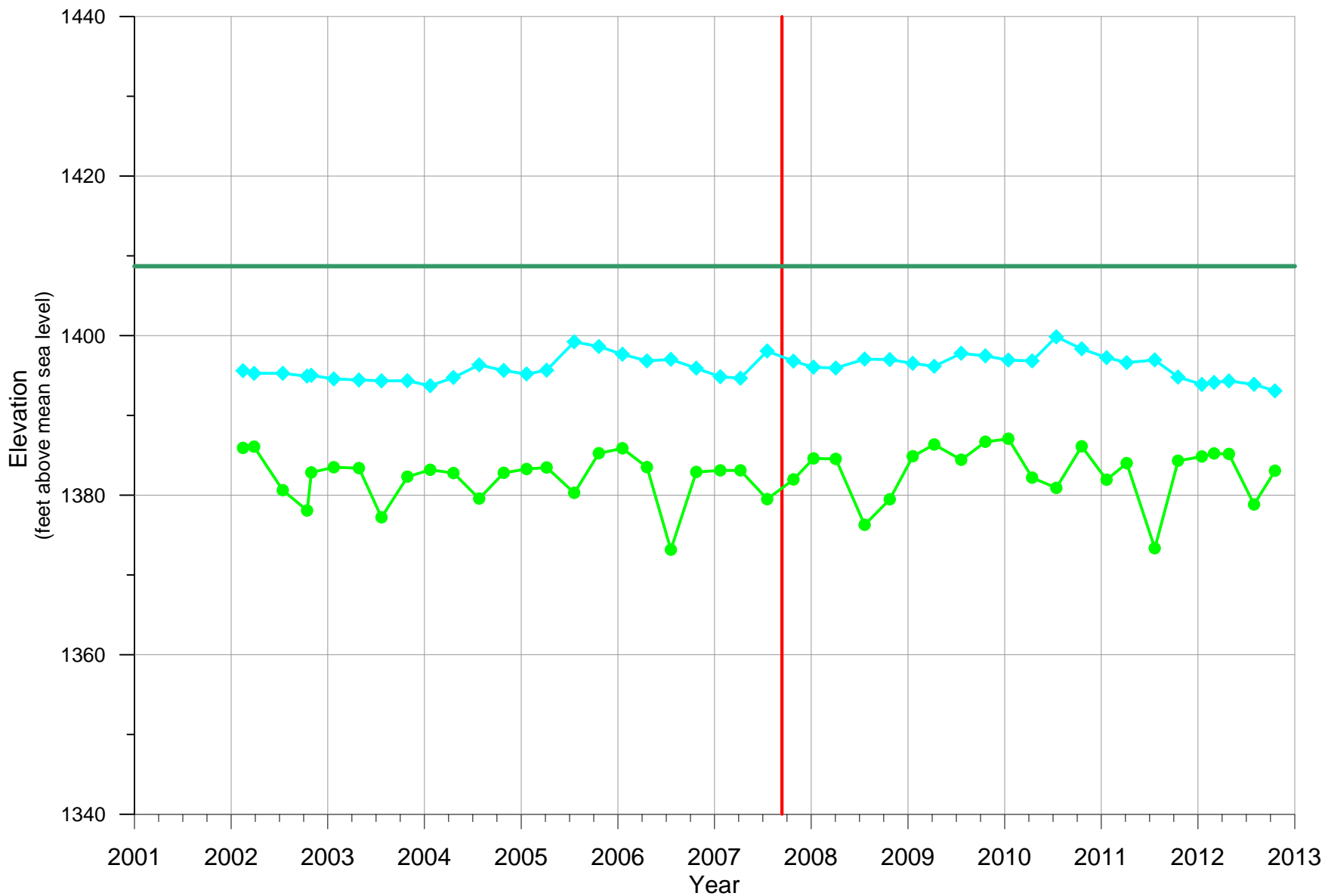


Figure D.26
 INDEX WELL HYDROGRAPHS
 IW-26A & IW26C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1250	TB	M-SCOPE	14.57		1.47	13.10	1395.60
29-Mar-2002	1045	TB	M-SCOPE	14.90		1.47	13.43	1395.27
15-Jul-2002	930	TB	M-SCOPE	14.90		1.47	13.43	1395.27
15-Oct-2002	1020	CM	M-SCOPE	15.25		1.47	13.78	1394.92
31-Oct-2002	1225	TDB	M-SCOPE	15.15		1.47	13.68	1395.02
24-Jan-2003	1521	TB	M-SCOPE	15.59	0.00	1.47	14.12	1394.58
29-Apr-2003	1037	TB	M-SCOPE	15.73	0.00	1.47	14.26	1394.44
23-Jul-2003	1532	TB	M-SCOPE	15.84	0.00	1.47	14.37	1394.33
29-Oct-2003	1234	TB	M-SCOPE	15.83	0.00	1.47	14.36	1394.34
23-Jan-2004	1318	TB	M-SCOPE	16.45	0.00	1.47	14.98	1393.72
20-Apr-2004	1124	TB	M-SCOPE	15.42	0.00	1.47	13.95	1394.75
26-Jul-2004	1040	TB	M-SCOPE	13.84	0.00	1.47	12.37	1396.33
27-Oct-2004	1229	TB	M-SCOPE	14.54	0.00	1.47	13.07	1395.63
21-Jan-2005	1017	TB	M-SCOPE	14.98	0.00	1.47	13.51	1395.19
07-Apr-2005	1422	TB	M-SCOPE	14.50	0.00	1.47	13.03	1395.67
20-Jul-2005	1015	TB	M-SCOPE	10.95	0.00	1.47	9.48	1399.22
21-Oct-2005	1101	DR	M-SCOPE	11.53	0.00	1.47	10.06	1398.64
18-Jan-2006	1342	DR	M-SCOPE	12.51	0.00	1.47	11.04	1397.66
21-Apr-2006	1152	DR	M-SCOPE	13.34	0.00	1.47	11.87	1396.83
20-Jul-2006	1255	DR	M-SCOPE	13.15	0.00	1.47	11.68	1397.02
24-Oct-2006	1509	DR	M-SCOPE	14.25	0.00	1.47	12.78	1395.92
23-Jan-2007	1423	DR	M-SCOPE	15.33	0.00	1.47	13.86	1394.84
09-Apr-2007	1532	DR	M-SCOPE	15.50	0.00	1.47	14.03	1394.67
19-Jul-2007	1452	DR	M-SCOPE	12.10	0.00	1.47	10.63	1398.07
26-Oct-2007	1412	DR	M-SCOPE	13.37	0.00	1.47	11.90	1396.80
10-Jan-2008	1633	DR	M-SCOPE	14.13	0.00	1.47	12.66	1396.04
03-Apr-2008	1149	DR	M-SCOPE	14.23	0.00	1.47	12.76	1395.94
21-Jul-2008	1319	DR	M-SCOPE	13.12	0.00	1.47	11.65	1397.05
24-Oct-2008	1407	DR	M-SCOPE	13.17	0.00	1.47	11.70	1397.00
19-Jan-2009	1303	DR	M-SCOPE	13.65	0.00	1.47	12.18	1396.52
10-Apr-2009	1057	DR	M-SCOPE	14.02	0.00	1.47	12.55	1396.15
21-Jul-2009	1501	DR	M-SCOPE	12.39	0.00	1.47	10.92	1397.78
20-Oct-2009	1524	DR	M-SCOPE	12.71	0.00	1.47	11.24	1397.46
15-Jan-2010	1156	DR	M-SCOPE	13.24	0.00	1.47	11.77	1396.93
15-Apr-2010	1306	DR	M-SCOPE	13.34	0.00	1.47	11.87	1396.83
15-Jul-2010	1525	DR	M-SCOPE	10.32	0.00	1.47	8.85	1399.85
19-Oct-2010	1100	DR	M-SCOPE	11.83	0.00	1.47	10.36	1398.34
21-Jan-2011	1257	DR	M-SCOPE	12.93	0.00	1.47	11.46	1397.24
07-Apr-2011	1409	DR	M-SCOPE	13.55	0.00	1.47	12.08	1396.62
22-Jul-2011	1305	DR	M-SCOPE	13.22	0.00	1.47	11.75	1396.95
18-Oct-2011	1238	DR	M-SCOPE	15.37	0.00	1.47	13.90	1394.80
16-Jan-2012	1256	DR	M-SCOPE	16.29	0.00	1.47	14.82	1393.88
02-Mar-2012	1047	DR	M-SCOPE	16.03	0.00	1.47	14.56	1394.14
27-Apr-2012	1317	DR	M-SCOPE	15.85	0.00	1.47	14.38	1394.32
31-Jul-2012	1251	DR	M-SCOPE	16.28	0.00	1.47	14.81	1393.89
18-Oct-2012	1437	DR	M-SCOPE	17.09	0.00	1.47	15.62	1393.08

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1255	TB	M-SCOPE	24.39		1.61	22.78	1385.92
29-Mar-2002	1125	TB	M-SCOPE	24.24		1.61	22.63	1386.07
15-Jul-2002	1200	TB	M-SCOPE	29.69		1.61	28.08	1380.62
15-Oct-2002	1025	CM	M-SCOPE	32.23		1.61	30.62	1378.08
31-Oct-2002	1227	TDB	M-SCOPE	27.46		1.61	25.85	1382.85
24-Jan-2003	1522	TB	M-SCOPE	26.81	0.00	1.61	25.20	1383.50
29-Apr-2003	1037	TB	M-SCOPE	26.92	0.00	1.61	25.31	1383.39
23-Jul-2003	1532	TB	M-SCOPE	33.09	0.00	1.61	31.48	1377.22
29-Oct-2003	1234	TB	M-SCOPE	28.00	0.00	1.61	26.39	1382.31
23-Jan-2004	1318	TB	M-SCOPE	27.13	0.00	1.61	25.52	1383.18
20-Apr-2004	1124	TB	M-SCOPE	27.54	0.00	1.61	25.93	1382.77
26-Jul-2004	1040	TB	M-SCOPE	30.74	0.00	1.61	29.13	1379.57
27-Oct-2004	1230	TB	M-SCOPE	27.51	0.00	1.61	25.90	1382.80
21-Jan-2005	1018	TB	M-SCOPE	27.04	0.00	1.61	25.43	1383.27
07-Apr-2005	1422	TB	M-SCOPE	26.84	0.00	1.61	25.23	1383.47
20-Jul-2005	1016	TB	M-SCOPE	30.03	0.00	1.61	28.42	1380.28
21-Oct-2005	1102	DR	M-SCOPE	25.06	0.00	1.61	23.45	1385.25
18-Jan-2006	1343	DR	M-SCOPE	24.44	0.00	1.61	22.83	1385.87
21-Apr-2006	1151	DR	M-SCOPE	26.80	0.00	1.61	25.19	1383.51
20-Jul-2006	1255	DR	M-SCOPE	37.14	0.00	1.61	35.53	1373.17
24-Oct-2006	1509	DR	M-SCOPE	27.41	0.00	1.61	25.80	1382.90
23-Jan-2007	1423	DR	M-SCOPE	27.20	0.00	1.61	25.59	1383.11
09-Apr-2007	1532	DR	M-SCOPE	27.21	0.00	1.61	25.60	1383.10
19-Jul-2007	1452	DR	M-SCOPE	30.81	0.00	1.61	29.20	1379.50
26-Oct-2007	1412	DR	M-SCOPE	28.35	0.00	1.61	26.74	1381.96
10-Jan-2008	1633	DR	M-SCOPE	25.70	0.00	1.61	24.09	1384.61
03-Apr-2008	1148	DR	M-SCOPE	25.77	0.00	1.61	24.16	1384.54
21-Jul-2008	1319	DR	M-SCOPE	34.03	0.00	1.61	32.42	1376.28
24-Oct-2008	1407	DR	M-SCOPE	30.83	0.00	1.61	29.22	1379.48
19-Jan-2009	1303	DR	M-SCOPE	25.44	0.00	1.61	23.83	1384.87
10-Apr-2009	1058	DR	M-SCOPE	23.96	0.00	1.61	22.35	1386.35
21-Jul-2009	1501	DR	M-SCOPE	25.88	0.00	1.61	24.27	1384.43
20-Oct-2009	1525	DR	M-SCOPE	23.62	0.00	1.61	22.01	1386.69
15-Jan-2010	1156	DR	M-SCOPE	23.24	0.00	1.61	21.63	1387.07
15-Apr-2010	1306	DR	M-SCOPE	28.12	0.00	1.61	26.51	1382.19
15-Jul-2010	1525	DR	M-SCOPE	29.40	0.00	1.61	27.79	1380.91
19-Oct-2010	1059	DR	M-SCOPE	24.19	0.00	1.61	22.58	1386.12
21-Jan-2011	1257	DR	M-SCOPE	28.38	0.00	1.61	26.77	1381.93
07-Apr-2011	1408	DR	M-SCOPE	26.30	0.00	1.61	24.69	1384.01
22-Jul-2011	1305	DR	M-SCOPE	36.96	0.00	1.61	35.35	1373.35
18-Oct-2011	1238	DR	M-SCOPE	26.00	0.00	1.61	24.39	1384.31
16-Jan-2012	1256	DR	M-SCOPE	25.46	0.00	1.61	23.85	1384.85
02-Mar-2012	1048	DR	M-SCOPE	25.09	0.00	1.61	23.48	1385.22
27-Apr-2012	1317	DR	M-SCOPE	25.14	0.00	1.61	23.53	1385.17
31-Jul-2012	1251	DR	M-SCOPE	31.48	0.00	1.61	29.87	1378.83
18-Oct-2012	1436	DR	M-SCOPE	27.26	0.00	1.61	25.65	1383.05

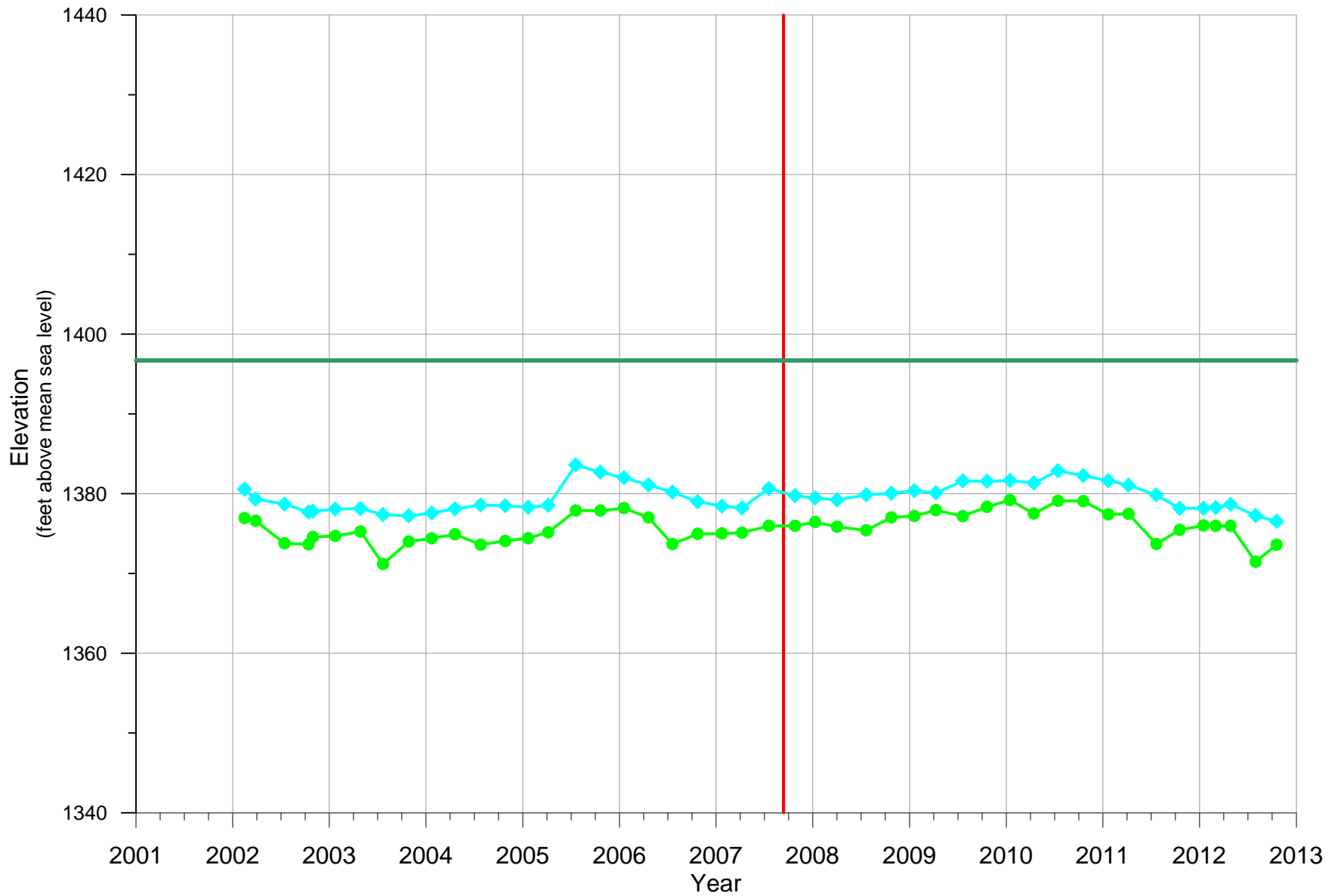


Figure D.27
 INDEX WELL HYDROGRAPHS
 IW-27A & IW27C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1315	TB	M-SCOPE	18.30		2.15	16.15	1380.55
29-Mar-2002	1035	TB	M-SCOPE	19.53		2.15	17.38	1379.32
16-Jul-2002	1000	TB	M-SCOPE	20.15		2.15	18.00	1378.70
15-Oct-2002	1005	CM	M-SCOPE	21.15		2.15	19.00	1377.70
31-Oct-2002	1027	TDB	M-SCOPE	21.06		2.15	18.91	1377.79
24-Jan-2003	1505	TB	M-SCOPE	20.77	0.00	2.15	18.62	1378.08
29-Apr-2003	1050	TB	M-SCOPE	20.71	0.00	2.15	18.56	1378.14
23-Jul-2003	1521	TB	M-SCOPE	21.47	0.00	2.15	19.32	1377.38
28-Oct-2003	1641	TB	M-SCOPE	21.63	0.00	2.15	19.48	1377.22
23-Jan-2004	1330	TB	M-SCOPE	21.28	0.00	2.15	19.13	1377.57
20-Apr-2004	1138	TB	M-SCOPE	20.75	0.00	2.15	18.60	1378.10
26-Jul-2004	1024	TB	M-SCOPE	20.27	0.00	2.15	18.12	1378.58
27-Oct-2004	1212	TB	M-SCOPE	20.36	0.00	2.15	18.21	1378.49
21-Jan-2005	1030	TB	M-SCOPE	20.56	0.00	2.15	18.41	1378.29
07-Apr-2005	1431	TB	M-SCOPE	20.31	0.00	2.15	18.16	1378.54
20-Jul-2005	1027	TB	M-SCOPE	15.25	0.00	2.15	13.10	1383.60
21-Oct-2005	1207	DR	M-SCOPE	16.15	0.00	2.15	14.00	1382.70
18-Jan-2006	1331	DR	M-SCOPE	16.85	0.00	2.15	14.70	1382.00
21-Apr-2006	1200	DR	M-SCOPE	17.75	0.00	2.15	15.60	1381.10
20-Jul-2006	1305	DR	M-SCOPE	18.65	0.00	2.15	16.50	1380.20
23-Oct-2006	1518	DR	M-SCOPE	19.85	0.00	2.15	17.70	1379.00
23-Jan-2007	1356	DR	M-SCOPE	20.41	0.00	2.15	18.26	1378.44
09-Apr-2007	1547	DR	M-SCOPE	20.64	0.00	2.15	18.49	1378.21
19-Jul-2007	1442	DR	M-SCOPE	18.21	0.00	2.15	16.06	1380.64
26-Oct-2007	1517	DR	M-SCOPE	19.10	0.00	2.15	16.95	1379.75
10-Jan-2008	1722	DR	M-SCOPE	19.38	0.00	2.15	17.23	1379.47
02-Apr-2008	1620	DR	M-SCOPE	19.63	0.00	2.15	17.48	1379.22
21-Jul-2008	1329	DR	M-SCOPE	18.99	0.00	2.15	16.84	1379.86
24-Oct-2008	1419	DR	M-SCOPE	18.79	0.00	2.15	16.64	1380.06
19-Jan-2009	1313	DR	M-SCOPE	18.47	0.00	2.15	16.32	1380.38
10-Apr-2009	1047	DR	M-SCOPE	18.75	0.00	2.15	16.60	1380.10
21-Jul-2009	1512	DR	M-SCOPE	17.24	0.00	2.15	15.09	1381.61
20-Oct-2009	1542	DR	M-SCOPE	17.30	0.00	2.15	15.15	1381.55
15-Jan-2010	1207	DR	M-SCOPE	17.19	0.00	2.15	15.04	1381.66
15-Apr-2010	1251	DR	M-SCOPE	17.52	0.00	2.15	15.37	1381.33
15-Jul-2010	1500	DR	M-SCOPE	15.98	0.00	2.15	13.83	1382.87
19-Oct-2010	1112	DR	M-SCOPE	16.60	0.00	2.15	14.45	1382.25
21-Jan-2011	1422	DR	M-SCOPE	17.21	0.00	2.15	15.06	1381.64
08-Apr-2011	1113	DR	M-SCOPE	17.79	0.00	2.15	15.64	1381.06
22-Jul-2011	1305	DR	M-SCOPE	19.01	0.00	2.15	16.86	1379.84
18-Oct-2011	1249	DR	M-SCOPE	20.68	0.00	2.15	18.53	1378.17
16-Jan-2012	1308	DR	M-SCOPE	20.68	0.00	2.15	18.53	1378.17
02-Mar-2012	1039	DR	M-SCOPE	20.59	0.00	2.15	18.44	1378.26
27-Apr-2012	1445	DR	M-SCOPE	20.18	0.00	2.15	18.03	1378.67
31-Jul-2012	1259	DR	M-SCOPE	21.60	0.00	2.15	19.45	1377.25
18-Oct-2012	1450	DR	M-SCOPE	22.32	0.00	2.15	20.17	1376.53

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1320	TB	M-SCOPE	21.88		2.11	19.77	1376.93
29-Mar-2002	1255	TB	M-SCOPE	22.21		2.11	20.10	1376.60
16-Jul-2002	1150	TB	M-SCOPE	25.04		2.11	22.93	1373.77
15-Oct-2002	1010	CM	M-SCOPE	25.16		2.11	23.05	1373.65
31-Oct-2002	1028	TDB	M-SCOPE	24.24		2.11	22.13	1374.57
24-Jan-2003	1505	TB	M-SCOPE	24.11	0.00	2.11	22.00	1374.70
29-Apr-2003	1051	TB	M-SCOPE	23.56	0.00	2.11	21.45	1375.25
23-Jul-2003	1521	TB	M-SCOPE	27.63	0.00	2.11	25.52	1371.18
28-Oct-2003	1641	TB	M-SCOPE	24.82	0.00	2.11	22.71	1373.99
23-Jan-2004	1329	TB	M-SCOPE	24.40	0.00	2.11	22.29	1374.41
20-Apr-2004	1138	TB	M-SCOPE	23.91	0.00	2.11	21.80	1374.90
26-Jul-2004	1025	TB	M-SCOPE	25.20	0.00	2.11	23.09	1373.61
27-Oct-2004	1212	TB	M-SCOPE	24.73	0.00	2.11	22.62	1374.08
21-Jan-2005	1030	TB	M-SCOPE	24.40	0.00	2.11	22.29	1374.41
07-Apr-2005	1431	TB	M-SCOPE	23.66	0.00	2.11	21.55	1375.15
20-Jul-2005	1028	TB	M-SCOPE	20.92	0.00	2.11	18.81	1377.89
21-Oct-2005	1207	DR	M-SCOPE	20.94	0.00	2.11	18.83	1377.87
18-Jan-2006	1332	DR	M-SCOPE	20.62	0.00	2.11	18.51	1378.19
21-Apr-2006	1159	DR	M-SCOPE	21.80	0.00	2.11	19.69	1377.01
20-Jul-2006	1305	DR	M-SCOPE	25.13	0.00	2.11	23.02	1373.68
23-Oct-2006	1518	DR	M-SCOPE	23.85	0.00	2.11	21.74	1374.96
23-Jan-2007	1355	DR	M-SCOPE	23.80	0.00	2.11	21.69	1375.01
09-Apr-2007	1547	DR	M-SCOPE	23.70	0.00	2.11	21.59	1375.11
19-Jul-2007	1441	DR	M-SCOPE	22.85	0.00	2.11	20.74	1375.96
26-Oct-2007	1518	DR	M-SCOPE	22.84	0.00	2.11	20.73	1375.97
10-Jan-2008	1722	DR	M-SCOPE	22.38	0.00	2.11	20.27	1376.43
02-Apr-2008	1621	DR	M-SCOPE	22.95	0.00	2.11	20.84	1375.86
21-Jul-2008	1329	DR	M-SCOPE	23.41	0.00	2.11	21.30	1375.40
24-Oct-2008	1419	DR	M-SCOPE	21.79	0.00	2.11	19.68	1377.02
19-Jan-2009	1313	DR	M-SCOPE	21.61	0.00	2.11	19.50	1377.20
10-Apr-2009	1047	DR	M-SCOPE	20.88	0.00	2.11	18.77	1377.93
21-Jul-2009	1512	DR	M-SCOPE	21.63	0.00	2.11	19.52	1377.18
20-Oct-2009	1543	DR	M-SCOPE	20.46	0.00	2.11	18.35	1378.35
15-Jan-2010	1207	DR	M-SCOPE	19.61	0.00	2.11	17.50	1379.20
15-Apr-2010	1250	DR	M-SCOPE	21.30	0.00	2.11	19.19	1377.51
15-Jul-2010	1500	DR	M-SCOPE	19.70	0.00	2.11	17.59	1379.11
19-Oct-2010	1112	DR	M-SCOPE	19.75	0.00	2.11	17.64	1379.06
21-Jan-2011	1422	DR	M-SCOPE	21.41	0.00	2.11	19.30	1377.40
08-Apr-2011	1112	DR	M-SCOPE	21.35	0.00	2.11	19.24	1377.46
22-Jul-2011	1306	DR	M-SCOPE	25.11	0.00	2.11	23.00	1373.70
18-Oct-2011	1249	DR	M-SCOPE	23.35	0.00	2.11	21.24	1375.46
16-Jan-2012	1308	DR	M-SCOPE	22.80	0.00	2.11	20.69	1376.01
02-Mar-2012	1039	DR	M-SCOPE	22.85	0.00	2.11	20.74	1375.96
27-Apr-2012	1444	DR	M-SCOPE	22.84	0.00	2.11	20.73	1375.97
31-Jul-2012	1259	DR	M-SCOPE	27.35	0.00	2.11	25.24	1371.46
18-Oct-2012	1450	DR	M-SCOPE	25.20	0.00	2.11	23.09	1373.61

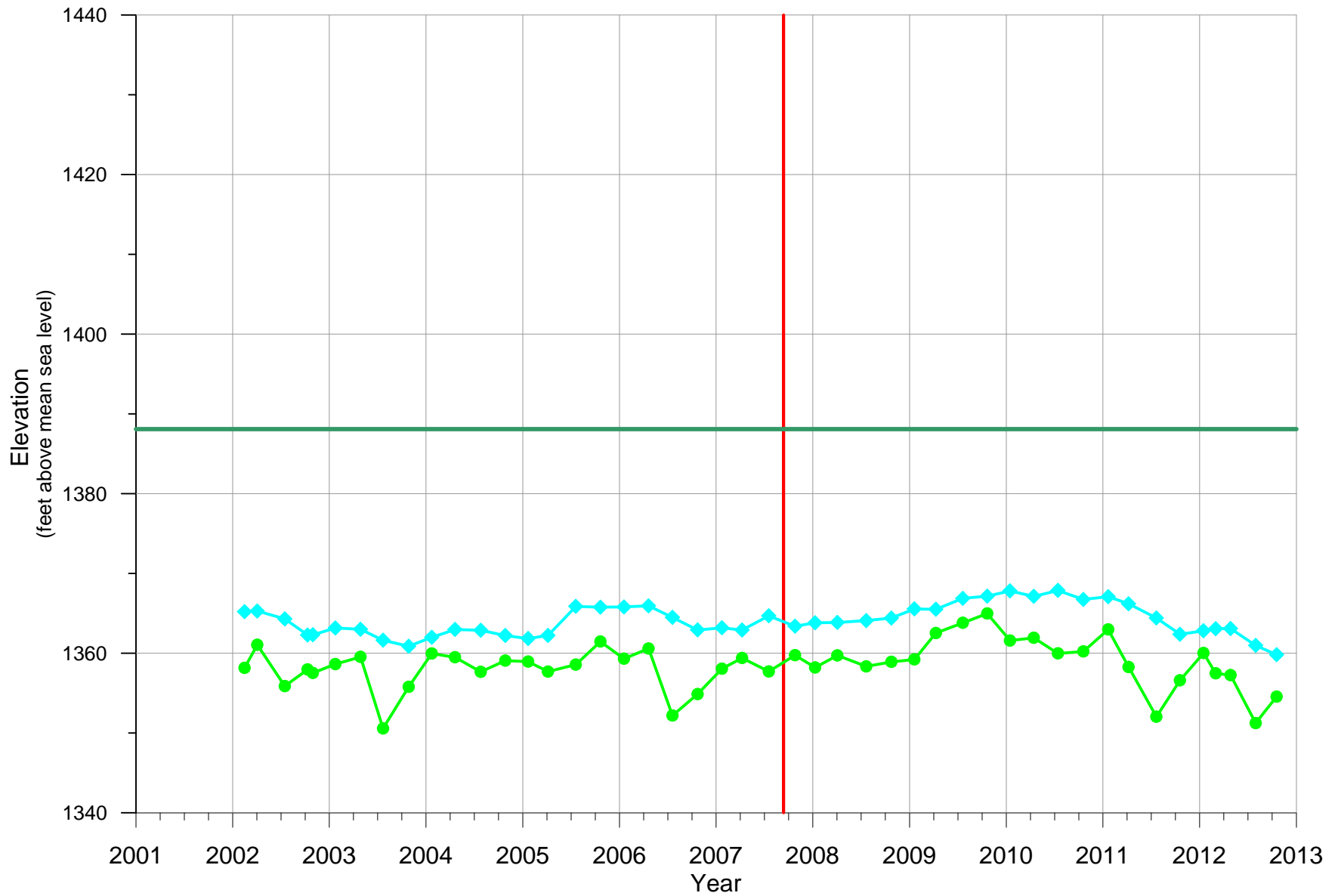


Figure D.28
 INDEX WELL HYDROGRAPHS
 IW-28A & IW28C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1335	TB	M-SCOPE	24.38		1.49	22.89	1365.21
04-Apr-2002	845	TB	M-SCOPE	24.30		1.49	22.81	1365.29
17-Jul-2002	905	TB	M-SCOPE	25.29		1.49	23.80	1364.30
11-Oct-2002	1315	CM	M-SCOPE	27.30		1.49	25.81	1362.29
31-Oct-2002	1013	TDB	M-SCOPE	27.28		1.49	25.79	1362.31
24-Jan-2003	1450	TB	M-SCOPE	26.42	0.00	1.49	24.93	1363.17
29-Apr-2003	1105	TB	M-SCOPE	26.59	0.00	1.49	25.10	1363.00
23-Jul-2003	1511	TB	M-SCOPE	27.96	0.00	1.49	26.47	1361.63
28-Oct-2003	1623	TB	M-SCOPE	28.71	0.00	1.49	27.22	1360.88
23-Jan-2004	1342	TB	M-SCOPE	27.60	0.00	1.49	26.11	1361.99
20-Apr-2004	1153	TB	M-SCOPE	26.61	0.00	1.49	25.12	1362.98
26-Jul-2004	1011	TB	M-SCOPE	26.71	0.00	1.49	25.22	1362.88
27-Oct-2004	1155	TB	M-SCOPE	27.37	0.00	1.49	25.88	1362.22
21-Jan-2005	1045	TB	M-SCOPE	27.75	0.00	1.49	26.26	1361.84
06-Apr-2005	1400	TB	M-SCOPE	27.36	0.00	1.49	25.87	1362.23
20-Jul-2005	1048	TB	M-SCOPE	23.72	0.00	1.49	22.23	1365.87
21-Oct-2005	1222	DR	M-SCOPE	23.82	0.00	1.49	22.33	1365.77
18-Jan-2006	1320	DR	M-SCOPE	23.79	0.00	1.49	22.30	1365.80
21-Apr-2006	1210	DR	M-SCOPE	23.65	0.00	1.49	22.16	1365.94
20-Jul-2006	1502	DR	M-SCOPE	25.10	0.00	1.49	23.61	1364.49
23-Oct-2006	1529	DR	M-SCOPE	26.67	0.00	1.49	25.18	1362.92
23-Jan-2007	1346	DR	M-SCOPE	26.40	0.00	1.49	24.91	1363.19
09-Apr-2007	1557	DR	M-SCOPE	26.68	0.00	1.49	25.19	1362.91
19-Jul-2007	1432	DR	M-SCOPE	24.90	0.00	1.49	23.41	1364.69
26-Oct-2007	1500	DR	M-SCOPE	26.20	0.00	1.49	24.71	1363.39
10-Jan-2008	1556	DR	M-SCOPE	25.77	0.00	1.49	24.28	1363.82
03-Apr-2008	1420	DR	M-SCOPE	25.73	0.00	1.49	24.24	1363.86
21-Jul-2008	1352	DR	M-SCOPE	25.50	0.00	1.49	24.01	1364.09
24-Oct-2008	1431	DR	M-SCOPE	25.18	0.00	1.49	23.69	1364.41
19-Jan-2009	1324	DR	M-SCOPE	24.04	0.00	1.49	22.55	1365.55
10-Apr-2009	956	DR	M-SCOPE	24.08	0.00	1.49	22.59	1365.51
21-Jul-2009	1300	DR	M-SCOPE	22.71	0.00	1.49	21.22	1366.88
21-Oct-2009	828	DR	M-SCOPE	22.44	0.00	1.49	20.95	1367.15
15-Jan-2010	1225	DR	M-SCOPE	21.78	0.00	1.49	20.29	1367.81
15-Apr-2010	1239	DR	M-SCOPE	22.46	0.00	1.49	20.97	1367.13
15-Jul-2010	1430	DR	M-SCOPE	21.72	0.00	1.49	20.23	1367.87
19-Oct-2010	1315	DR	M-SCOPE	22.85	0.00	1.49	21.36	1366.74
21-Jan-2011	1502	DR	M-SCOPE	22.50	0.00	1.49	21.01	1367.09
08-Apr-2011	1059	DR	M-SCOPE	23.39	0.00	1.49	21.90	1366.20
22-Jul-2011	1306	DR	M-SCOPE	25.17	0.00	1.49	23.68	1364.42
19-Oct-2011	1607	DR	M-SCOPE	27.21	0.00	1.49	25.72	1362.38
16-Jan-2012	1025	DR	M-SCOPE	26.78	0.00	1.49	25.29	1362.81
02-Mar-2012	1030	DR	M-SCOPE	26.51	0.00	1.49	25.02	1363.08
27-Apr-2012	1455	DR	M-SCOPE	26.50	0.00	1.49	25.01	1363.09
31-Jul-2012	1316	DR	M-SCOPE	28.61	0.00	1.49	27.12	1360.98
18-Oct-2012	1547	DR	M-SCOPE	29.77	0.00	1.49	28.28	1359.82

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1340	TB	M-SCOPE	31.89		1.56	30.33	1358.17
04-Apr-2002	1035	TB	M-SCOPE	29.01		1.56	27.45	1361.05
17-Jul-2002	1100	TB	M-SCOPE	34.18		1.56	32.62	1355.88
11-Oct-2002	1320	CM	M-SCOPE	32.10		1.56	30.54	1357.96
31-Oct-2002	1015	TDB	M-SCOPE	32.53		1.56	30.97	1357.53
24-Jan-2003	1451	TB	M-SCOPE	31.42	0.00	1.56	29.86	1358.64
29-Apr-2003	1106	TB	M-SCOPE	30.52	0.00	1.56	28.96	1359.54
23-Jul-2003	1512	TB	M-SCOPE	39.48	0.00	1.56	37.92	1350.58
28-Oct-2003	1624	TB	M-SCOPE	34.27	0.00	1.56	32.71	1355.79
23-Jan-2004	1342	TB	M-SCOPE	30.10	0.00	1.56	28.54	1359.96
20-Apr-2004	1154	TB	M-SCOPE	30.57	0.00	1.56	29.01	1359.49
26-Jul-2004	1012	TB	M-SCOPE	32.39	0.00	1.56	30.83	1357.67
27-Oct-2004	1156	TB	M-SCOPE	30.98	0.00	1.56	29.42	1359.08
21-Jan-2005	1046	TB	M-SCOPE	31.11	0.00	1.56	29.55	1358.95
06-Apr-2005	1401	TB	M-SCOPE	32.36	0.00	1.56	30.80	1357.70
20-Jul-2005	1048	TB	M-SCOPE	31.48	0.00	1.56	29.92	1358.58
21-Oct-2005	1223	DR	M-SCOPE	28.60	0.00	1.56	27.04	1361.46
18-Jan-2006	1321	DR	M-SCOPE	30.75	0.00	1.56	29.19	1359.31
21-Apr-2006	1211	DR	M-SCOPE	29.47	0.00	1.56	27.91	1360.59
20-Jul-2006	1501	DR	M-SCOPE	37.87	0.00	1.56	36.31	1352.19
23-Oct-2006	1529	DR	M-SCOPE	35.18	0.00	1.56	33.62	1354.88
23-Jan-2007	1346	DR	M-SCOPE	32.00	0.00	1.56	30.44	1358.06
09-Apr-2007	1557	DR	M-SCOPE	30.66	0.00	1.56	29.10	1359.40
19-Jul-2007	1431	DR	M-SCOPE	32.35	0.00	1.56	30.79	1357.71
26-Oct-2007	1503	DR	M-SCOPE	30.31	0.00	1.56	28.75	1359.75
10-Jan-2008	1556	DR	M-SCOPE	31.85	0.00	1.56	30.29	1358.21
03-Apr-2008	1424	DR	M-SCOPE	30.33	0.00	1.56	28.77	1359.73
21-Jul-2008	1352	DR	M-SCOPE	31.71	0.00	1.56	30.15	1358.35
24-Oct-2008	1431	DR	M-SCOPE	31.14	0.00	1.56	29.58	1358.92
19-Jan-2009	1324	DR	M-SCOPE	30.84	0.00	1.56	29.28	1359.22
10-Apr-2009	956	DR	M-SCOPE	27.53	0.00	1.56	25.97	1362.53
21-Jul-2009	1300	DR	M-SCOPE	26.25	0.00	1.56	24.69	1363.81
21-Oct-2009	828	DR	M-SCOPE	25.08	0.00	1.56	23.52	1364.98
15-Jan-2010	1224	DR	M-SCOPE	28.47	0.00	1.56	26.91	1361.59
15-Apr-2010	1239	DR	M-SCOPE	28.13	0.00	1.56	26.57	1361.93
15-Jul-2010	1430	DR	M-SCOPE	30.08	0.00	1.56	28.52	1359.98
19-Oct-2010	1316	DR	M-SCOPE	29.84	0.00	1.56	28.28	1360.22
21-Jan-2011	1503	DR	M-SCOPE	27.08	0.00	1.56	25.52	1362.98
08-Apr-2011	1059	DR	M-SCOPE	31.79	0.00	1.56	30.23	1358.27
22-Jul-2011	1306	DR	M-SCOPE	38.02	0.00	1.56	36.46	1352.04
19-Oct-2011	1607	DR	M-SCOPE	33.45	0.00	1.56	31.89	1356.61
16-Jan-2012	1320	DR	M-SCOPE	30.04	0.00	1.56	28.48	1360.02
02-Mar-2012	1029	DR	M-SCOPE	32.58	0.00	1.56	31.02	1357.48
27-Apr-2012	1455	DR	M-SCOPE	32.80	0.00	1.56	31.24	1357.26
31-Jul-2012	1316	DR	M-SCOPE	38.82	0.00	1.56	37.26	1351.24
18-Oct-2012	1548	DR	M-SCOPE	35.50	0.00	1.56	33.94	1354.56

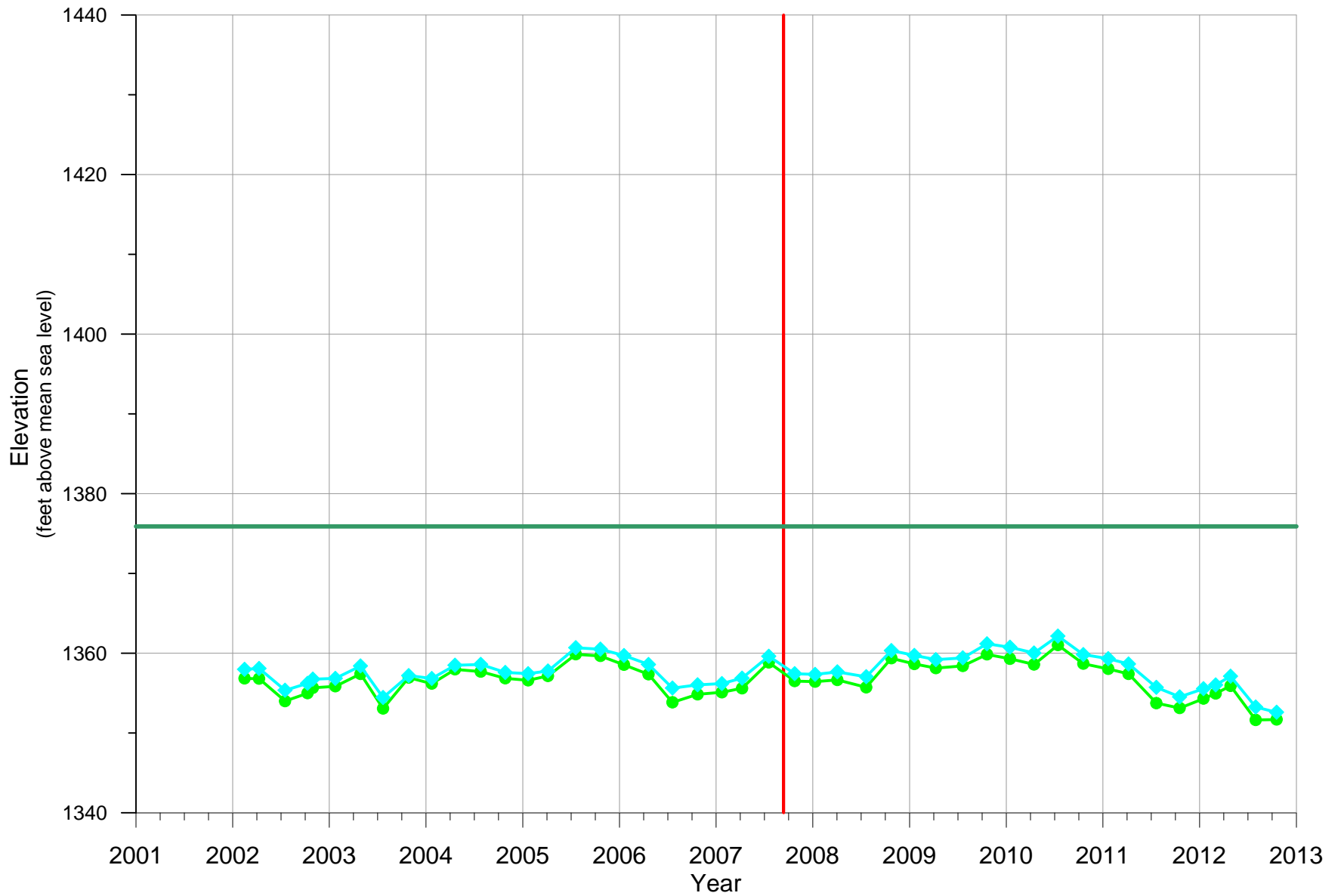
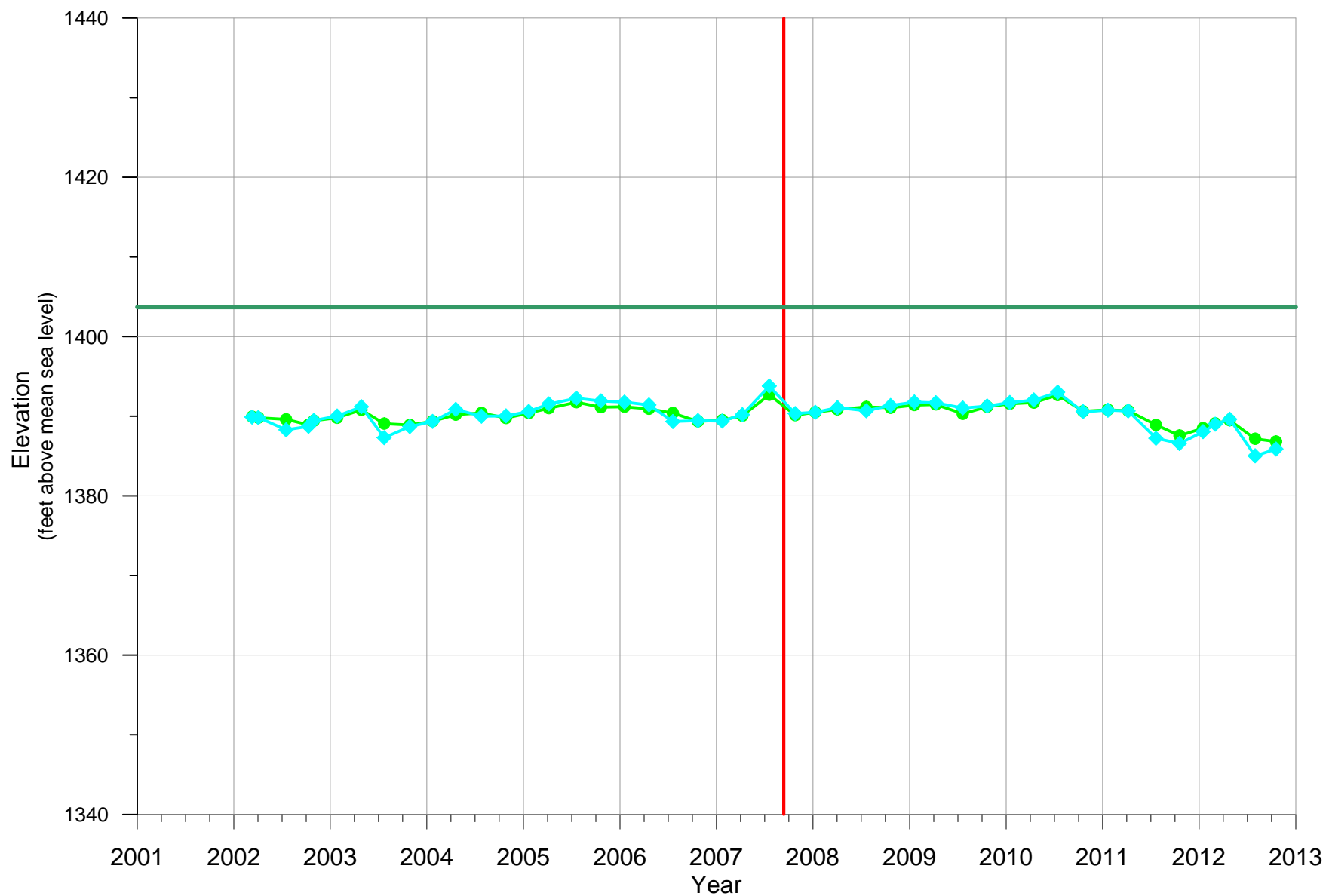


Figure D.29
 INDEX WELL HYDROGRAPHS
 IW-29A & IW29C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1435	TB	M-SCOPE	19.25		1.33	17.92	1357.98
11-Apr-2002	940	TB	M-SCOPE	19.14		1.33	17.81	1358.09
18-Jul-2002	830	TB	M-SCOPE	21.87		1.33	20.54	1355.36
11-Oct-2002	1335	CM	M-SCOPE	21.00		1.33	19.67	1356.23
31-Oct-2002	1000	TDB	M-SCOPE	20.48		1.33	19.15	1356.75
24-Jan-2003	1437	TB	M-SCOPE	20.38	0.00	1.33	19.05	1356.85
29-Apr-2003	1118	TB	M-SCOPE	18.83	0.00	1.33	17.50	1358.40
23-Jul-2003	1501	TB	M-SCOPE	22.78	0.00	1.33	21.45	1354.45
28-Oct-2003	1608	TB	M-SCOPE	20.03	0.00	1.33	18.70	1357.20
23-Jan-2004	1353	TB	M-SCOPE	20.40	0.00	1.33	19.07	1356.83
20-Apr-2004	1210	TB	M-SCOPE	18.74	0.00	1.33	17.41	1358.49
26-Jul-2004	957	TB	M-SCOPE	18.63	0.00	1.33	17.30	1358.60
27-Oct-2004	1140	TB	M-SCOPE	19.64	0.00	1.33	18.31	1357.59
21-Jan-2005	1100	TB	M-SCOPE	19.79	0.00	1.33	18.46	1357.44
06-Apr-2005	1352	TB	M-SCOPE	19.46	0.00	1.33	18.13	1357.77
20-Jul-2005	1101	TB	M-SCOPE	16.54	0.00	1.33	15.21	1360.69
21-Oct-2005	902	DR	M-SCOPE	16.72	0.00	1.33	15.39	1360.51
18-Jan-2006	1310	DR	M-SCOPE	17.52	0.00	1.33	16.19	1359.71
21-Apr-2006	1220	DR	M-SCOPE	18.64	0.00	1.33	17.31	1358.59
20-Jul-2006	1448	DR	M-SCOPE	21.60	0.00	1.33	20.27	1355.63
23-Oct-2006	1542	DR	M-SCOPE	21.19	0.00	1.33	19.86	1356.04
23-Jan-2007	1210	DR	M-SCOPE	21.03	0.00	1.33	19.70	1356.20
09-Apr-2007	1607	DR	M-SCOPE	20.35	0.00	1.33	19.02	1356.88
19-Jul-2007	1423	DR	M-SCOPE	17.61	0.00	1.33	16.28	1359.62
25-Oct-2007	1449	DR	M-SCOPE	19.80	0.00	1.33	18.47	1357.43
10-Jan-2008	1545	DR	M-SCOPE	19.88	0.00	1.33	18.55	1357.35
03-Apr-2008	1449	DR	M-SCOPE	19.57	0.00	1.33	18.24	1357.66
21-Jul-2008	1407	DR	M-SCOPE	20.18	0.00	1.33	18.85	1357.05
24-Oct-2008	1444	DR	M-SCOPE	16.90	0.00	1.33	15.57	1360.33
19-Jan-2009	1334	DR	M-SCOPE	17.50	0.00	1.33	16.17	1359.73
10-Apr-2009	944	DR	M-SCOPE	18.03	0.00	1.33	16.70	1359.20
21-Jul-2009	1251	DR	M-SCOPE	17.81	0.00	1.33	16.48	1359.42
20-Oct-2009	1612	DR	M-SCOPE	16.05	0.00	1.33	14.72	1361.18
15-Jan-2010	1237	DR	M-SCOPE	16.48	0.00	1.33	15.15	1360.75
16-Apr-2010	952	DR	M-SCOPE	17.20	0.00	1.33	15.87	1360.03
15-Jul-2010	1443	DR	M-SCOPE	15.08	0.00	1.33	13.75	1362.15
19-Oct-2010	1304	DR	M-SCOPE	17.40	0.00	1.33	16.07	1359.83
21-Jan-2011	1102	DR	M-SCOPE	17.91	0.00	1.33	16.58	1359.32
08-Apr-2011	1023	DR	M-SCOPE	18.58	0.00	1.33	17.25	1358.65
22-Jul-2011	1307	DR	M-SCOPE	21.51	0.00	1.33	20.18	1355.72
18-Oct-2011	1351	DR	M-SCOPE	22.70	0.00	1.33	21.37	1354.53
16-Jan-2012	1330	DR	M-SCOPE	21.68	0.00	1.33	20.35	1355.55
02-Mar-2012	1021	DR	M-SCOPE	21.21	0.00	1.33	19.88	1356.02
27-Apr-2012	1504	DR	M-SCOPE	20.11	0.00	1.33	18.78	1357.12
31-Jul-2012	1327	DR	M-SCOPE	23.97	0.00	1.33	22.64	1353.26
18-Oct-2012	1505	DR	M-SCOPE	24.63	0.00	1.33	23.30	1352.60

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
15-Feb-2002	1440	TB	M-SCOPE	20.20		1.34	18.86	1356.84
11-Apr-2002	1125	TB	M-SCOPE	20.23		1.34	18.89	1356.81
18-Jul-2002	1040	TB	M-SCOPE	23.04		1.34	21.70	1354.00
11-Oct-2002	1340	CM	M-SCOPE	22.05		1.34	20.71	1354.99
31-Oct-2002	1002	TDB	M-SCOPE	21.37		1.34	20.03	1355.67
24-Jan-2003	1437	TB	M-SCOPE	21.18	0.00	1.34	19.84	1355.86
29-Apr-2003	1118	TB	M-SCOPE	19.63	0.00	1.34	18.29	1357.41
23-Jul-2003	1501	TB	M-SCOPE	23.97	0.00	1.34	22.63	1353.07
28-Oct-2003	1609	TB	M-SCOPE	20.09	0.00	1.34	18.75	1356.95
23-Jan-2004	1354	TB	M-SCOPE	20.85	0.00	1.34	19.51	1356.19
20-Apr-2004	1211	TB	M-SCOPE	19.06	0.00	1.34	17.72	1357.98
26-Jul-2004	957	TB	M-SCOPE	19.34	0.00	1.34	18.00	1357.70
27-Oct-2004	1141	TB	M-SCOPE	20.18	0.00	1.34	18.84	1356.86
21-Jan-2005	1100	TB	M-SCOPE	20.43	0.00	1.34	19.09	1356.61
06-Apr-2005	1352	TB	M-SCOPE	19.89	0.00	1.34	18.55	1357.15
20-Jul-2005	1101	TB	M-SCOPE	17.17	0.00	1.34	15.83	1359.87
21-Oct-2005	903	DR	M-SCOPE	17.38	0.00	1.34	16.04	1359.66
18-Jan-2006	1311	DR	M-SCOPE	18.49	0.00	1.34	17.15	1358.55
21-Apr-2006	1220	DR	M-SCOPE	19.68	0.00	1.34	18.34	1357.36
20-Jul-2006	1448	DR	M-SCOPE	23.20	0.00	1.34	21.86	1353.84
23-Oct-2006	1542	DR	M-SCOPE	22.19	0.00	1.34	20.85	1354.85
23-Jan-2007	1210	DR	M-SCOPE	21.93	0.00	1.34	20.59	1355.11
09-Apr-2007	1608	DR	M-SCOPE	21.43	0.00	1.34	20.09	1355.61
19-Jul-2007	1423	DR	M-SCOPE	18.20	0.00	1.34	16.86	1358.84
25-Oct-2007	1449	DR	M-SCOPE	20.53	0.00	1.34	19.19	1356.51
10-Jan-2008	1546	DR	M-SCOPE	20.60	0.00	1.34	19.26	1356.44
03-Apr-2008	1449	DR	M-SCOPE	20.39	0.00	1.34	19.05	1356.65
21-Jul-2008	1407	DR	M-SCOPE	21.31	0.00	1.34	19.97	1355.73
24-Oct-2008	1444	DR	M-SCOPE	17.67	0.00	1.34	16.33	1359.37
19-Jan-2009	1334	DR	M-SCOPE	18.39	0.00	1.34	17.05	1358.65
10-Apr-2009	943	DR	M-SCOPE	18.90	0.00	1.34	17.56	1358.14
21-Jul-2009	1251	DR	M-SCOPE	18.63	0.00	1.34	17.29	1358.41
20-Oct-2009	1612	DR	M-SCOPE	17.18	0.00	1.34	15.84	1359.86
15-Jan-2010	1237	DR	M-SCOPE	17.74	0.00	1.34	16.40	1359.30
16-Apr-2010	952	DR	M-SCOPE	18.45	0.00	1.34	17.11	1358.59
15-Jul-2010	1444	DR	M-SCOPE	16.02	0.00	1.34	14.68	1361.02
19-Oct-2010	1303	DR	M-SCOPE	18.35	0.00	1.34	17.01	1358.69
21-Jan-2011	1102	DR	M-SCOPE	19.00	0.00	1.34	17.66	1358.04
08-Apr-2011	1024	DR	M-SCOPE	19.63	0.00	1.34	18.29	1357.41
22-Jul-2011	1307	DR	M-SCOPE	23.30	0.00	1.34	21.96	1353.74
18-Oct-2011	1351	DR	M-SCOPE	23.91	0.00	1.34	22.57	1353.13
16-Jan-2012	1330	DR	M-SCOPE	22.73	0.00	1.34	21.39	1354.31
02-Mar-2012	1021	DR	M-SCOPE	22.09	0.00	1.34	20.75	1354.95
27-Apr-2012	1504	DR	M-SCOPE	21.13	0.00	1.34	19.79	1355.91
31-Jul-2012	1327	DR	M-SCOPE	25.40	0.00	1.34	24.06	1351.64
18-Oct-2012	1505	DR	M-SCOPE	25.35	0.00	1.34	24.01	1351.69



LEGEND

- ◆ IW-30A
- IW-30C
- Ground Surface Elevation
- | ASR Phase I Operations Begin



Figure D.30
 INDEX WELL HYDROGRAPHS
 IW-30A & IW30C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1350	TB	M-SCOPE	15.60		1.79	13.81	1389.89
04-Apr-2002	930	TB	M-SCOPE	15.66		1.79	13.87	1389.83
18-Jul-2002	850	TB	M-SCOPE	17.20		1.79	15.41	1388.29
11-Oct-2002	1355	CM	M-SCOPE	16.76		1.79	14.97	1388.73
31-Oct-2002	1251	TDB	M-SCOPE	16.02		1.79	14.23	1389.47
27-Jan-2003	957	TB	M-SCOPE	15.47	0.00	1.79	13.68	1390.02
29-Apr-2003	1225	TB	M-SCOPE	14.30	0.00	1.79	12.51	1391.19
24-Jul-2003	1229	TB	M-SCOPE	18.19	0.00	1.79	16.40	1387.30
29-Oct-2003	1249	TB	M-SCOPE	16.79	0.00	1.79	15.00	1388.70
23-Jan-2004	1448	TB	M-SCOPE	16.15	0.00	1.79	14.36	1389.34
20-Apr-2004	1320	TB	M-SCOPE	14.63	0.00	1.79	12.84	1390.86
26-Jul-2004	1128	TB	M-SCOPE	15.49	0.00	1.79	13.70	1390.00
27-Oct-2004	1319	TB	M-SCOPE	15.45	0.00	1.79	13.66	1390.04
21-Jan-2005	1233	TB	M-SCOPE	14.88	0.00	1.79	13.09	1390.61
07-Apr-2005	1441	TB	M-SCOPE	13.95	0.00	1.79	12.16	1391.54
20-Jul-2005	1229	TB	M-SCOPE	13.23	0.00	1.79	11.44	1392.26
21-Oct-2005	1046	DR	M-SCOPE	13.57	0.00	1.79	11.78	1391.92
18-Jan-2006	1421	DR	M-SCOPE	13.72	0.00	1.79	11.93	1391.77
21-Apr-2006	1104	DR	M-SCOPE	14.07	0.00	1.79	12.28	1391.42
20-Jul-2006	1325	DR	M-SCOPE	16.16	0.00	1.79	14.37	1389.33
23-Oct-2006	1457	DR	M-SCOPE	16.04	0.00	1.79	14.25	1389.45
23-Jan-2007	1410	DR	M-SCOPE	16.10	0.00	1.79	14.31	1389.39
09-Apr-2007	1323	DR	M-SCOPE	15.29	0.00	1.79	13.50	1390.20
20-Jul-2007	1040	DR	M-SCOPE	11.71	0.00	1.79	9.92	1393.78
26-Oct-2007	1422	DR	M-SCOPE	15.16	0.00	1.79	13.37	1390.33
10-Jan-2008	1619	DR	M-SCOPE	14.99	0.00	1.79	13.20	1390.50
03-Apr-2008	1225	DR	M-SCOPE	14.41	0.00	1.79	12.62	1391.08
21-Jul-2008	1209	DR	M-SCOPE	14.81	0.00	1.79	13.02	1390.68
21-Oct-2008	1110	TR	M-SCOPE	14.14	0.00	1.79	12.35	1391.35
19-Jan-2009	1526	DR	M-SCOPE	13.71	0.00	1.79	11.92	1391.78
10-Apr-2009	1031	DR	M-SCOPE	13.80	0.00	1.79	12.01	1391.69
21-Jul-2009	1413	DR	M-SCOPE	14.45	0.00	1.79	12.66	1391.04
21-Oct-2009	1013	DR	M-SCOPE	14.21	0.00	1.79	12.42	1391.28
15-Jan-2010	1116	DR	M-SCOPE	13.77	0.00	1.79	11.98	1391.72
16-Apr-2010	1114	DR	M-SCOPE	13.45	0.00	1.79	11.66	1392.04
15-Jul-2010	1512	DR	M-SCOPE	12.48	0.00	1.79	10.69	1393.01
19-Oct-2010	1137	DR	M-SCOPE	14.92	0.00	1.79	13.13	1390.57
21-Jan-2011	952	DR	M-SCOPE	14.73	0.00	1.79	12.94	1390.76
08-Apr-2011	1205	DR	M-SCOPE	14.83	0.00	1.79	13.04	1390.66
22-Jul-2011	1657	DR	M-SCOPE	18.26	0.00	1.79	16.47	1387.23
19-Oct-2011	1519	DR	M-SCOPE	18.91	0.00	1.79	17.12	1386.58
16-Jan-2012	1222	DR	M-SCOPE	17.44	0.00	1.79	15.65	1388.05
02-Mar-2012	1132	DR	M-SCOPE	16.50	0.00	1.79	14.71	1388.99
26-Apr-2012	1538	DR	M-SCOPE	15.87	0.00	1.79	14.08	1389.62
31-Jul-2012	1217	DR	M-SCOPE	20.47	0.00	1.79	18.68	1385.02
18-Oct-2012	1358	DR	M-SCOPE	19.61	0.00	1.79	17.82	1385.88

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1355	TB	M-SCOPE	15.68		1.81	13.87	1389.93
04-Apr-2002	1030	TB	M-SCOPE	15.80		1.81	13.99	1389.81
18-Jul-2002	1105	TB	M-SCOPE	16.00		1.81	14.19	1389.61
11-Oct-2002	1400	CM	M-SCOPE	16.69		1.81	14.88	1388.92
31-Oct-2002	1253	TDB	M-SCOPE	16.17		1.81	14.36	1389.44
27-Jan-2003	957	TB	M-SCOPE	15.81	0.00	1.81	14.00	1389.80
29-Apr-2003	1225	TB	M-SCOPE	14.81	0.00	1.81	13.00	1390.80
24-Jul-2003	1230	TB	M-SCOPE	16.54	0.00	1.81	14.73	1389.07
29-Oct-2003	1249	TB	M-SCOPE	16.71	0.00	1.81	14.90	1388.90
23-Jan-2004	1449	TB	M-SCOPE	16.24	0.00	1.81	14.43	1389.37
20-Apr-2004	1320	TB	M-SCOPE	15.41	0.00	1.81	13.60	1390.20
26-Jul-2004	1128	TB	M-SCOPE	15.20	0.00	1.81	13.39	1390.41
27-Oct-2004	1319	TB	M-SCOPE	15.84	0.00	1.81	14.03	1389.77
21-Jan-2005	1234	TB	M-SCOPE	15.21	0.00	1.81	13.40	1390.40
07-Apr-2005	1442	TB	M-SCOPE	14.60	0.00	1.81	12.79	1391.01
20-Jul-2005	1230	TB	M-SCOPE	13.85	0.00	1.81	12.04	1391.76
21-Oct-2005	1046	DR	M-SCOPE	14.47	0.00	1.81	12.66	1391.14
18-Jan-2006	1421	DR	M-SCOPE	14.42	0.00	1.81	12.61	1391.19
21-Apr-2006	1104	DR	M-SCOPE	14.68	0.00	1.81	12.87	1390.93
20-Jul-2006	1324	DR	M-SCOPE	15.21	0.00	1.81	13.40	1390.40
23-Oct-2006	1457	DR	M-SCOPE	16.25	0.00	1.81	14.44	1389.36
23-Jan-2007	1410	DR	M-SCOPE	16.10	0.00	1.81	14.29	1389.51
09-Apr-2007	1324	DR	M-SCOPE	15.55	0.00	1.81	13.74	1390.06
20-Jul-2007	1040	DR	M-SCOPE	12.91	0.00	1.81	11.10	1392.70
26-Oct-2007	1422	DR	M-SCOPE	15.48	0.00	1.81	13.67	1390.13
10-Jan-2008	1619	DR	M-SCOPE	15.11	0.00	1.81	13.30	1390.50
03-Apr-2008	1225	DR	M-SCOPE	14.75	0.00	1.81	12.94	1390.86
21-Jul-2008	1210	DR	M-SCOPE	14.44	0.00	1.81	12.63	1391.17
21-Oct-2008	1111	TR	M-SCOPE	14.55	0.00	1.81	12.74	1391.06
19-Jan-2009	1526	DR	M-SCOPE	14.21	0.00	1.81	12.40	1391.40
10-Apr-2009	1032	DR	M-SCOPE	14.13	0.00	1.81	12.32	1391.48
21-Jul-2009	1413	DR	M-SCOPE	15.31	0.00	1.81	13.50	1390.30
21-Oct-2009	1013	DR	M-SCOPE	14.42	0.00	1.81	12.61	1391.19
15-Jan-2010	1117	DR	M-SCOPE	14.04	0.00	1.81	12.23	1391.57
16-Apr-2010	1114	DR	M-SCOPE	13.90	0.00	1.81	12.09	1391.71
15-Jul-2010	1512	DR	M-SCOPE	12.95	0.00	1.81	11.14	1392.66
19-Oct-2010	1137	DR	M-SCOPE	14.99	0.00	1.81	13.18	1390.62
21-Jan-2011	952	DR	M-SCOPE	14.80	0.00	1.81	12.99	1390.81
08-Apr-2011	1205	DR	M-SCOPE	14.92	0.00	1.81	13.11	1390.69
22-Jul-2011	1657	DR	M-SCOPE	16.70	0.00	1.81	14.89	1388.91
19-Oct-2011	1520	DR	M-SCOPE	18.04	0.00	1.81	16.23	1387.57
16-Jan-2012	1223	DR	M-SCOPE	17.11	0.00	1.81	15.30	1388.50
02-Mar-2012	1132	DR	M-SCOPE	16.51	0.00	1.81	14.70	1389.10
26-Apr-2012	1538	DR	M-SCOPE	16.12	0.00	1.81	14.31	1389.49
31-Jul-2012	1218	DR	M-SCOPE	18.45	0.00	1.81	16.64	1387.16
18-Oct-2012	1358	DR	M-SCOPE	18.79	0.00	1.81	16.98	1386.82

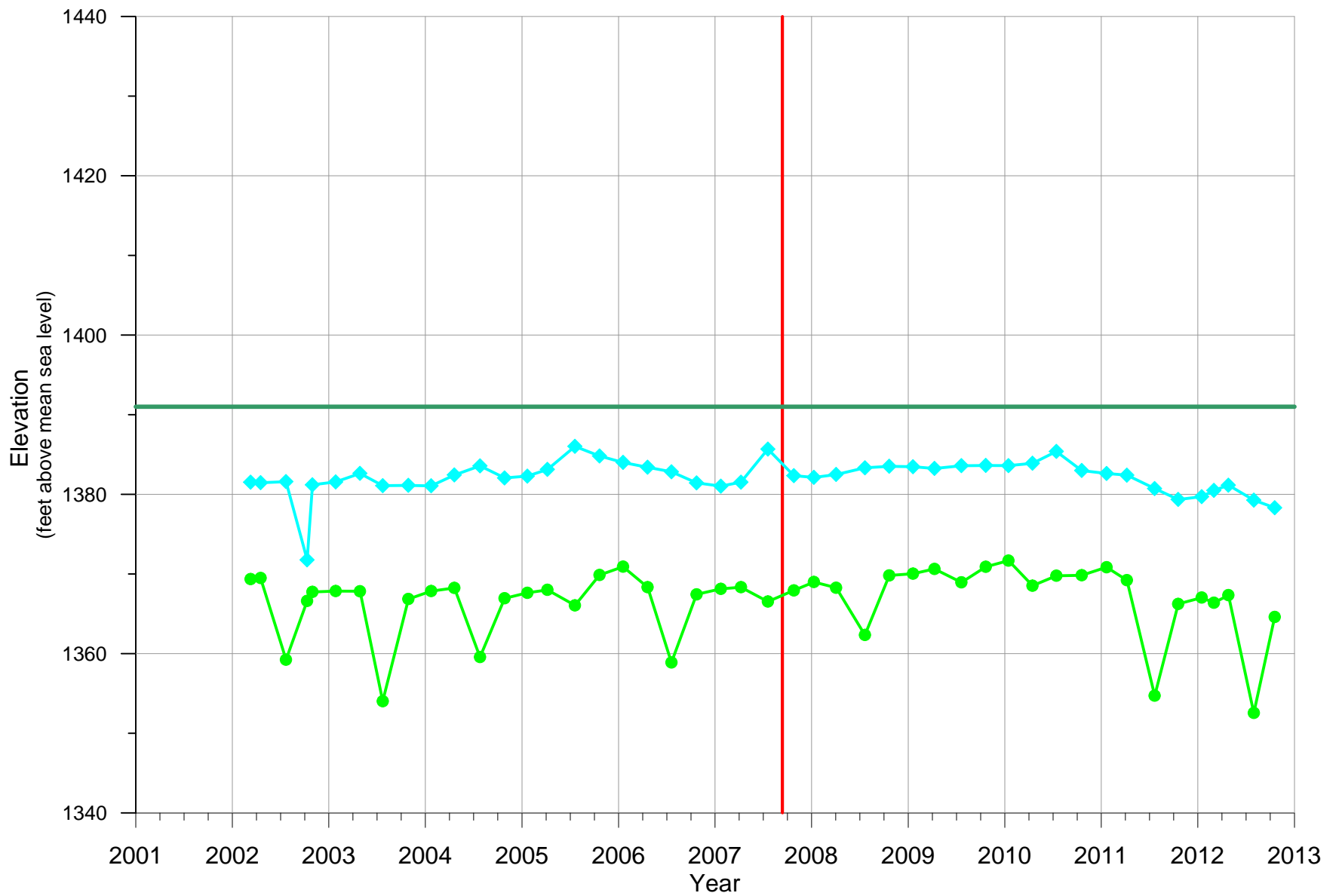


Figure D.31
 INDEX WELL HYDROGRAPHS
 IW-31A & IW31C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1320	TB	M-SCOPE	10.91		1.43	9.48	1381.52
18-Apr-2002	1005	TB	M-SCOPE	10.97		1.43	9.54	1381.46
23-Jul-2002	910	TB	M-SCOPE	10.83		1.43	9.40	1381.60
11-Oct-2002	1420	CM	M-SCOPE	20.66		1.43	19.23	1371.77
31-Oct-2002	1300	TDB	M-SCOPE	11.23		1.43	9.80	1381.20
27-Jan-2003	1011	TB	M-SCOPE	10.87	0.00	1.43	9.44	1381.56
29-Apr-2003	1213	TB	M-SCOPE	9.80	0.00	1.43	8.37	1382.63
24-Jul-2003	1205	TB	M-SCOPE	11.34	0.00	1.43	9.91	1381.09
29-Oct-2003	1259	TB	M-SCOPE	11.30	0.00	1.43	9.87	1381.13
23-Jan-2004	1438	TB	M-SCOPE	11.36	0.00	1.43	9.93	1381.07
20-Apr-2004	1308	TB	M-SCOPE	10.00	0.00	1.43	8.57	1382.43
26-Jul-2004	1139	TB	M-SCOPE	8.85	0.00	1.43	7.42	1383.58
27-Oct-2004	1330	TB	M-SCOPE	10.37	0.00	1.43	8.94	1382.06
21-Jan-2005	1208	TB	M-SCOPE	10.14	0.00	1.43	8.71	1382.29
07-Apr-2005	1449	TB	M-SCOPE	9.30	0.00	1.43	7.87	1383.13
20-Jul-2005	1217	TB	M-SCOPE	6.41	0.00	1.43	4.98	1386.02
21-Oct-2005	1031	DR	M-SCOPE	7.61	0.00	1.43	6.18	1384.82
18-Jan-2006	1430	DR	M-SCOPE	8.42	0.00	1.43	6.99	1384.01
21-Apr-2006	1056	DR	M-SCOPE	9.03	0.00	1.43	7.60	1383.40
20-Jul-2006	1315	DR	M-SCOPE	9.60	0.00	1.43	8.17	1382.83
23-Oct-2006	1508	DR	M-SCOPE	10.99	0.00	1.43	9.56	1381.44
23-Jan-2007	1403	DR	M-SCOPE	11.40	0.00	1.43	9.97	1381.03
09-Apr-2007	1312	DR	M-SCOPE	10.90	0.00	1.43	9.47	1381.53
20-Jul-2007	1031	DR	M-SCOPE	6.75	0.00	1.43	5.32	1385.68
26-Oct-2007	1436	DR	M-SCOPE	10.08	0.00	1.43	8.65	1382.35
10-Jan-2008	1610	DR	M-SCOPE	10.30	0.00	1.43	8.87	1382.13
03-Apr-2008	1217	DR	M-SCOPE	9.94	0.00	1.43	8.51	1382.49
21-Jul-2008	1159	DR	M-SCOPE	9.10	0.00	1.43	7.67	1383.33
21-Oct-2008	1101	TR	M-SCOPE	8.91	0.00	1.43	7.48	1383.52
19-Jan-2009	1516	DR	M-SCOPE	8.96	0.00	1.43	7.53	1383.47
10-Apr-2009	1021	DR	M-SCOPE	9.18	0.00	1.43	7.75	1383.25
21-Jul-2009	1403	DR	M-SCOPE	8.83	0.00	1.43	7.40	1383.60
21-Oct-2009	1003	DR	M-SCOPE	8.80	0.00	1.43	7.37	1383.63
15-Jan-2010	1106	DR	M-SCOPE	8.82	0.00	1.43	7.39	1383.61
16-Apr-2010	1103	DR	M-SCOPE	8.53	0.00	1.43	7.10	1383.90
15-Jul-2010	1340	DR	M-SCOPE	7.04	0.00	1.43	5.61	1385.39
19-Oct-2010	1126	DR	M-SCOPE	9.44	0.00	1.43	8.01	1382.99
21-Jan-2011	1001	DR	M-SCOPE	9.81	0.00	1.43	8.38	1382.62
08-Apr-2011	1214	DR	M-SCOPE	10.02	0.00	1.43	8.59	1382.41
22-Jul-2011	1648	DR	M-SCOPE	11.70	0.00	1.43	10.27	1380.73
19-Oct-2011	1528	DR	M-SCOPE	13.07	0.00	1.43	11.64	1379.36
16-Jan-2012	1214	DR	M-SCOPE	12.72	0.00	1.43	11.29	1379.71
02-Mar-2012	1122	DR	M-SCOPE	11.94	0.00	1.43	10.51	1380.49
26-Apr-2012	1530	DR	M-SCOPE	11.28	0.00	1.43	9.85	1381.15
31-Jul-2012	1210	DR	M-SCOPE	13.16	0.00	1.43	11.73	1379.27
18-Oct-2012	1347	DR	M-SCOPE	14.11	0.00	1.43	12.68	1378.32

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1325	TB	M-SCOPE	23.38		1.64	21.74	1369.36
18-Apr-2002	1410	TB	M-SCOPE	23.25		1.64	21.61	1369.49
23-Jul-2002	1110	TB	M-SCOPE	33.50		1.64	31.86	1359.24
11-Oct-2002	1425	CM	M-SCOPE	26.12		1.64	24.48	1366.62
31-Oct-2002	1302	TDB	M-SCOPE	24.99		1.64	23.35	1367.75
27-Jan-2003	1012	TB	M-SCOPE	24.88	0.00	1.64	23.24	1367.86
29-Apr-2003	1213	TB	M-SCOPE	24.91	0.00	1.64	23.27	1367.83
24-Jul-2003	1206	TB	M-SCOPE	38.71	0.00	1.64	37.07	1354.03
29-Oct-2003	1300	TB	M-SCOPE	25.88	0.00	1.64	24.24	1366.86
23-Jan-2004	1439	TB	M-SCOPE	24.88	0.00	1.64	23.24	1367.86
20-Apr-2004	1309	TB	M-SCOPE	24.49	0.00	1.64	22.85	1368.25
26-Jul-2004	1140	TB	M-SCOPE	33.17	0.00	1.64	31.53	1359.57
27-Oct-2004	1331	TB	M-SCOPE	25.79	0.00	1.64	24.15	1366.95
21-Jan-2005	1208	TB	M-SCOPE	25.10	0.00	1.64	23.46	1367.64
07-Apr-2005	1449	TB	M-SCOPE	24.73	0.00	1.64	23.09	1368.01
20-Jul-2005	1217	TB	M-SCOPE	26.68	0.00	1.64	25.04	1366.06
21-Oct-2005	1035	DR	M-SCOPE	22.87	0.00	1.64	21.23	1369.87
18-Jan-2006	1431	DR	M-SCOPE	21.82	0.00	1.64	20.18	1370.92
21-Apr-2006	1056	DR	M-SCOPE	24.40	0.00	1.64	22.76	1368.34
20-Jul-2006	1315	DR	M-SCOPE	33.85	0.00	1.64	32.21	1358.89
23-Oct-2006	1509	DR	M-SCOPE	25.30	0.00	1.64	23.66	1367.44
23-Jan-2007	1403	DR	M-SCOPE	24.60	0.00	1.64	22.96	1368.14
09-Apr-2007	1312	DR	M-SCOPE	24.40	0.00	1.64	22.76	1368.34
20-Jul-2007	1031	DR	M-SCOPE	26.20	0.00	1.64	24.56	1366.54
26-Oct-2007	1436	DR	M-SCOPE	24.80	0.00	1.64	23.16	1367.94
10-Jan-2008	1609	DR	M-SCOPE	23.75	0.00	1.64	22.11	1368.99
03-Apr-2008	1217	DR	M-SCOPE	24.47	0.00	1.64	22.83	1368.27
21-Jul-2008	1159	DR	M-SCOPE	30.40	0.00	1.64	28.76	1362.34
21-Oct-2008	1101	TR	M-SCOPE	22.92	0.00	1.64	21.28	1369.82
19-Jan-2009	1517	DR	M-SCOPE	22.70	0.00	1.64	21.06	1370.04
10-Apr-2009	1022	DR	M-SCOPE	22.10	0.00	1.64	20.46	1370.64
21-Jul-2009	1403	DR	M-SCOPE	23.79	0.00	1.64	22.15	1368.95
21-Oct-2009	1003	DR	M-SCOPE	21.84	0.00	1.64	20.20	1370.90
15-Jan-2010	1106	DR	M-SCOPE	21.06	0.00	1.64	19.42	1371.68
16-Apr-2010	1104	DR	M-SCOPE	24.21	0.00	1.64	22.57	1368.53
15-Jul-2010	1340	DR	M-SCOPE	22.96	0.00	1.64	21.32	1369.78
19-Oct-2010	1125	DR	M-SCOPE	22.90	0.00	1.64	21.26	1369.84
21-Jan-2011	1001	DR	M-SCOPE	21.89	0.00	1.64	20.25	1370.85
08-Apr-2011	1214	DR	M-SCOPE	23.52	0.00	1.64	21.88	1369.22
22-Jul-2011	1647	DR	M-SCOPE	38.02	0.00	1.64	36.38	1354.72
19-Oct-2011	1528	DR	M-SCOPE	26.50	0.00	1.64	24.86	1366.24
16-Jan-2012	1214	DR	M-SCOPE	25.70	0.00	1.64	24.06	1367.04
02-Mar-2012	1122	DR	M-SCOPE	26.35	0.00	1.64	24.71	1366.39
26-Apr-2012	1530	DR	M-SCOPE	25.40	0.00	1.64	23.76	1367.34
31-Jul-2012	1211	DR	M-SCOPE	40.19	0.00	1.64	38.55	1352.55
18-Oct-2012	1347	DR	M-SCOPE	28.13	0.00	1.64	26.49	1364.61

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1145	TB	M-SCOPE	17.46		1.45	16.01	1366.69
04-Apr-2002	905	TB	M-SCOPE	17.61		1.45	16.16	1366.54
23-Jul-2002	830	TB	M-SCOPE	18.18		1.45	16.73	1365.97
11-Oct-2002	1440	CM	M-SCOPE	19.18		1.45	17.73	1364.97
22-Oct-2002	856	MTD	M-SCOPE	19.18		1.45	17.73	1364.97
20-Dec-2002	1157	DK	M-SCOPE	18.60	0.00	1.45	17.15	1365.55
27-Jan-2003	1025	TB	M-SCOPE	18.62	0.00	1.45	17.17	1365.53
13-Feb-2003	1104	DK	M-SCOPE	18.65	0.00	1.45	17.20	1365.50
11-Apr-2003	1029	DK	M-SCOPE	18.26	0.00	1.45	16.81	1365.89
29-Apr-2003	1157	TB	M-SCOPE	18.13	0.00	1.45	16.68	1366.02
24-Jul-2003	1148	TB	M-SCOPE	19.58	0.00	1.45	18.13	1364.57
29-Oct-2003	1312	TB	M-SCOPE	19.24	0.00	1.45	17.79	1364.91
23-Jan-2004	1425	TB	M-SCOPE	19.04	0.00	1.45	17.59	1365.11
20-Apr-2004	1251	TB	M-SCOPE	18.11	0.00	1.45	16.66	1366.04
26-Jul-2004	1151	TB	M-SCOPE	17.40	0.00	1.45	15.95	1366.75
27-Oct-2004	1400	TB	M-SCOPE	17.79	0.00	1.45	16.34	1366.36
21-Jan-2005	1152	TB	M-SCOPE	18.09	0.00	1.45	16.64	1366.06
07-Apr-2005	1458	TB	M-SCOPE	17.83	0.00	1.45	16.38	1366.32
20-Jul-2005	1153	TB	M-SCOPE	14.21	0.00	1.45	12.76	1369.94
20-Oct-2005	1709	TB	M-SCOPE	15.20	0.00	1.45	13.75	1368.95
18-Jan-2006	1443	DR	M-SCOPE	15.80	0.00	1.45	14.35	1368.35
21-Apr-2006	1027	DR	M-SCOPE	16.51	0.00	1.45	15.06	1367.64
20-Jul-2006	1335	DR	M-SCOPE	17.45	0.00	1.45	16.00	1366.70
23-Oct-2006	1427	DR	M-SCOPE	18.73	0.00	1.45	17.28	1365.42
23-Jan-2007	1333	DR	M-SCOPE	18.89	0.00	1.45	17.44	1365.26
09-Apr-2007	1245	DR	M-SCOPE	18.78	0.00	1.45	17.33	1365.37
20-Jul-2007	1006	DR	M-SCOPE	16.64	0.00	1.45	15.19	1367.51
26-Oct-2007	1444	DR	M-SCOPE	17.96	0.00	1.45	16.51	1366.19
11-Jan-2008	1113	DR	M-SCOPE	18.11	0.00	1.45	16.66	1366.04
03-Apr-2008	1437	DR	M-SCOPE	18.27	0.00	1.45	16.82	1365.88
21-Jul-2008	1137	DR	M-SCOPE	17.47	0.00	1.45	16.02	1366.68
21-Oct-2008	1044	DR	M-SCOPE	16.95	0.00	1.45	15.50	1367.20
20-Jan-2009	1012	DR	M-SCOPE	16.52	0.00	1.45	15.07	1367.63
10-Apr-2009	1004	DR	M-SCOPE	16.49	0.00	1.45	15.04	1367.66
21-Jul-2009	1309	DR	M-SCOPE	15.24	0.00	1.45	13.79	1368.91
21-Oct-2009	836	DR	M-SCOPE	15.28	0.00	1.45	13.83	1368.87
15-Jan-2010	1251	DR	M-SCOPE	15.25	0.00	1.45	13.80	1368.90
16-Apr-2010	1128	DR	M-SCOPE	15.45	0.00	1.45	14.00	1368.70
15-Jul-2010	1323	DR	M-SCOPE	13.81	0.00	1.45	12.36	1370.34
19-Oct-2010	1328	DR	M-SCOPE	15.78	0.00	1.45	14.33	1368.37
21-Jan-2011	1016	DR	unable to measure, obstruction in well-*UTM*					
08-Apr-2011	1044	DR	M-SCOPE	16.72	0.00	1.45	15.27	1367.43
22-Jul-2011	1308	DR	M-SCOPE	17.52	0.00	1.45	16.07	1366.63
19-Oct-2011	1606	DR	M-SCOPE	20.44	0.00	1.45	18.99	1363.71
16-Jan-2012	1204	DR	M-SCOPE	20.43	0.00	1.45	18.98	1363.72
02-Mar-2012	1143	DR	M-SCOPE	20.14	0.00	1.45	18.69	1364.01
26-Apr-2012	1616	DR	M-SCOPE	19.98	0.00	1.45	18.53	1364.17
31-Jul-2012	1146	DR	M-SCOPE	21.96	0.00	1.45	20.51	1362.19
19-Oct-2012	857	DR	M-SCOPE	22.40	0.00	1.45	20.95	1361.75

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1150	TB	M-SCOPE	18.08		1.79	16.29	1366.41
04-Apr-2002	1020	TB	M-SCOPE	18.32		1.79	16.53	1366.17
23-Jul-2002	1055	TB	M-SCOPE	21.76		1.79	19.97	1362.73
11-Oct-2002	1445	CM	M-SCOPE	18.98		1.79	17.19	1365.51
22-Oct-2002	907	MTD	M-SCOPE	19.88		1.79	18.09	1364.61
20-Dec-2002	1201	DK	M-SCOPE	19.20	0.00	1.79	17.41	1365.29
27-Jan-2003	1026	TB	M-SCOPE	19.26	0.00	1.79	17.47	1365.23
13-Feb-2003	1105	DK	M-SCOPE	19.44	0.00	1.79	17.65	1365.05
11-Apr-2003	1030	DK	M-SCOPE	19.19	0.00	1.79	17.40	1365.30
29-Apr-2003	1157	TB	M-SCOPE	18.89	0.00	1.79	17.10	1365.60
24-Jul-2003	1149	TB	M-SCOPE	22.04	0.00	1.79	20.25	1362.45
29-Oct-2003	1312	TB	M-SCOPE	20.04	0.00	1.79	18.25	1364.45
23-Jan-2004	1426	TB	M-SCOPE	19.70	0.00	1.79	17.91	1364.79
20-Apr-2004	1252	TB	M-SCOPE	18.73	0.00	1.79	16.94	1365.76
26-Jul-2004	1152	TB	M-SCOPE	19.19	0.00	1.79	17.40	1365.30
27-Oct-2004	1400	TB	M-SCOPE	18.73	0.00	1.79	16.94	1365.76
21-Jan-2005	1152	TB	M-SCOPE	18.95	0.00	1.79	17.16	1365.54
07-Apr-2005	1458	TB	M-SCOPE	18.67	0.00	1.79	16.88	1365.82
20-Jul-2005	1154	TB	M-SCOPE	15.96	0.00	1.79	14.17	1368.53
20-Oct-2005	1710	TB	M-SCOPE	16.04	0.00	1.79	14.25	1368.45
18-Jan-2006	1444	DR	M-SCOPE	16.63	0.00	1.79	14.84	1367.86
21-Apr-2006	1027	DR	M-SCOPE	18.51	0.00	1.79	16.72	1365.98
20-Jul-2006	1336	DR	M-SCOPE	21.53	0.00	1.79	19.74	1362.96
23-Oct-2006	1427	DR	M-SCOPE	19.55	0.00	1.79	17.76	1364.94
23-Jan-2007	1333	DR	M-SCOPE	19.55	0.00	1.79	17.76	1364.94
09-Apr-2007	1245	DR	M-SCOPE	19.60	0.00	1.79	17.81	1364.89
20-Jul-2007	1006	DR	M-SCOPE	18.70	0.00	1.79	16.91	1365.79
26-Oct-2007	1444	DR	M-SCOPE	18.75	0.00	1.79	16.96	1365.74
11-Jan-2008	1113	DR	M-SCOPE	18.80	0.00	1.79	17.01	1365.69
03-Apr-2008	1437	DR	M-SCOPE	19.06	0.00	1.79	17.27	1365.43
21-Jul-2008	1137	DR	M-SCOPE	20.45	0.00	1.79	18.66	1364.04
21-Oct-2008	1044	DR	M-SCOPE	17.68	0.00	1.79	15.89	1366.81
20-Jan-2009	1012	DR	M-SCOPE	17.26	0.00	1.79	15.47	1367.23
10-Apr-2009	1004	DR	M-SCOPE	17.04	0.00	1.79	15.25	1367.45
21-Jul-2009	1309	DR	M-SCOPE	16.65	0.00	1.79	14.86	1367.84
21-Oct-2009	836	DR	M-SCOPE	15.99	0.00	1.79	14.20	1368.50
15-Jan-2010	1250	DR	M-SCOPE	15.95	0.00	1.79	14.16	1368.54
16-Apr-2010	1128	DR	M-SCOPE	16.60	0.00	1.79	14.81	1367.89
15-Jul-2010	1323	DR	M-SCOPE	15.15	0.00	1.79	13.36	1369.34
19-Oct-2010	1327	DR	M-SCOPE	16.55	0.00	1.79	14.76	1367.94
21-Jan-2011	1018	DR	M-SCOPE	16.88	0.00	1.79	15.09	1367.61
08-Apr-2011	1044	DR	M-SCOPE	17.64	0.00	1.79	15.85	1366.85
22-Jul-2011	1308	DR	M-SCOPE	21.61	0.00	1.79	19.82	1362.88
19-Oct-2011	1607	DR	M-SCOPE	21.23	0.00	1.79	19.44	1363.26
16-Jan-2012	1204	DR	M-SCOPE	21.10	0.00	1.79	19.31	1363.39
02-Mar-2012	1142	DR	M-SCOPE	20.95	0.00	1.79	19.16	1363.54
26-Apr-2012	1616	DR	M-SCOPE	21.55	0.00	1.79	19.76	1362.94
31-Jul-2012	1147	DR	M-SCOPE	25.87	0.00	1.79	24.08	1358.62
19-Oct-2012	857	DR	M-SCOPE	23.14	0.00	1.79	21.35	1361.35

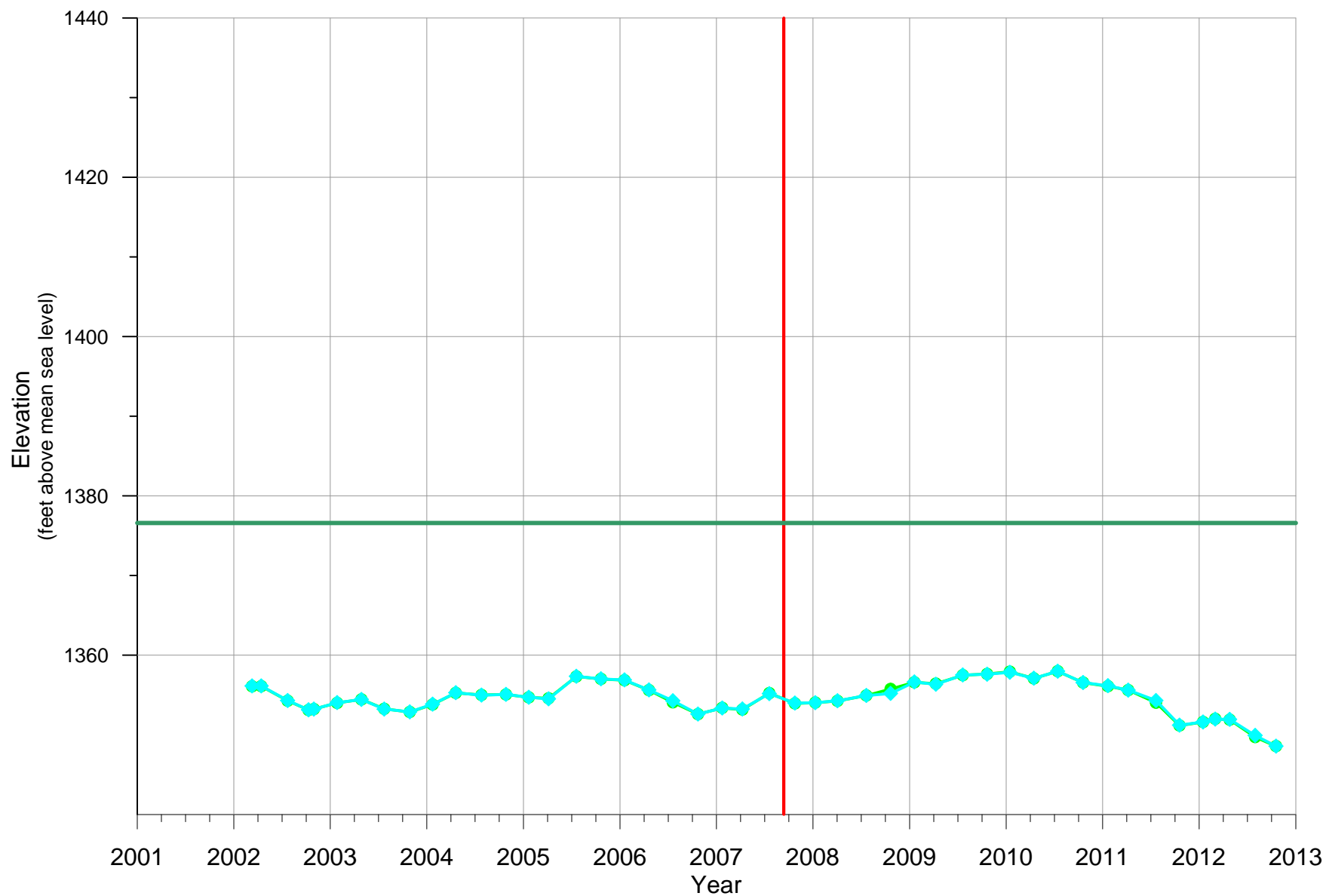
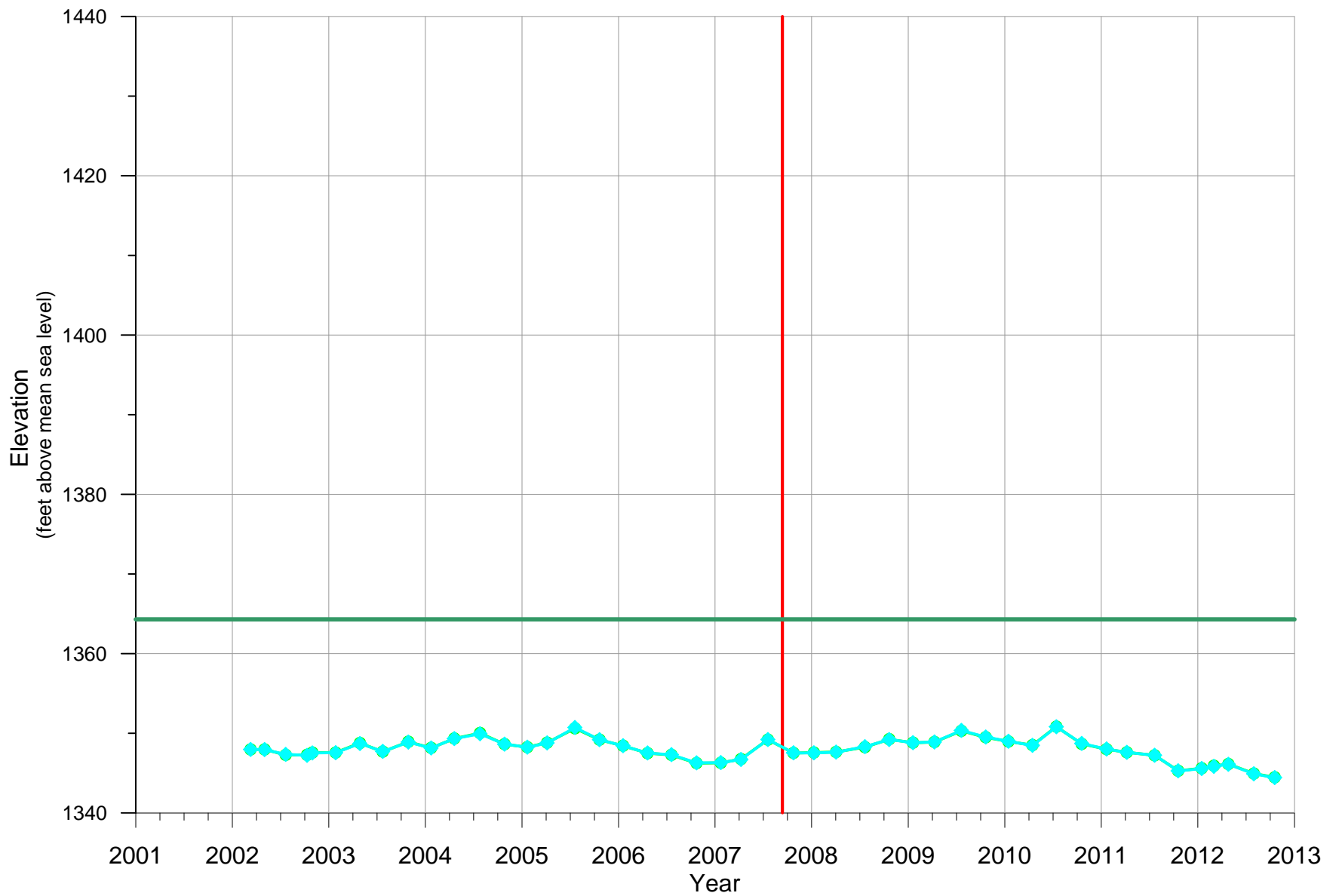


Figure D.33
 INDEX WELL HYDROGRAPHS
 IW-33A & IW33C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1205	TB	M-SCOPE	21.98		1.51	20.47	1356.13
15-Apr-2002	1050	TB	M-SCOPE	21.98		1.51	20.47	1356.13
24-Jul-2002	900	TB	M-SCOPE	23.81		1.51	22.30	1354.30
11-Oct-2002	1510	CM	M-SCOPE	24.98		1.51	23.47	1353.13
31-Oct-2002	1317	TDB	M-SCOPE	24.89		1.51	23.38	1353.22
27-Jan-2003	1044	TB	M-SCOPE	24.07	0.00	1.51	22.56	1354.04
29-Apr-2003	1129	TB	M-SCOPE	23.68	0.00	1.51	22.17	1354.43
24-Jul-2003	1136	TB	M-SCOPE	24.88	0.00	1.51	23.37	1353.23
29-Oct-2003	1334	TB	M-SCOPE	25.23	0.00	1.51	23.72	1352.88
23-Jan-2004	1403	TB	M-SCOPE	24.27	0.00	1.51	22.76	1353.84
20-Apr-2004	1225	TB	M-SCOPE	22.83	0.00	1.51	21.32	1355.28
26-Jul-2004	1210	TB	M-SCOPE	23.13	0.00	1.51	21.62	1354.98
27-Oct-2004	1417	TB	M-SCOPE	23.04	0.00	1.51	21.53	1355.07
21-Jan-2005	1112	TB	M-SCOPE	23.40	0.00	1.51	21.89	1354.71
06-Apr-2005	1344	TB	M-SCOPE	23.60	0.00	1.51	22.09	1354.51
20-Jul-2005	1111	TB	M-SCOPE	20.77	0.00	1.51	19.26	1357.34
21-Oct-2005	913	DR	M-SCOPE	21.09	0.00	1.51	19.58	1357.02
18-Jan-2006	1455	DR	M-SCOPE	21.22	0.00	1.51	19.71	1356.89
21-Apr-2006	1003	DR	M-SCOPE	22.48	0.00	1.51	20.97	1355.63
20-Jul-2006	1438	DR	M-SCOPE	23.84	0.00	1.51	22.33	1354.27
23-Oct-2006	1410	DR	M-SCOPE	25.50	0.00	1.51	23.99	1352.61
23-Jan-2007	1217	DR	M-SCOPE	24.75	0.00	1.51	23.24	1353.36
09-Apr-2007	1236	DR	M-SCOPE	24.87	0.00	1.51	23.36	1353.24
20-Jul-2007	954	DR	M-SCOPE	22.94	0.00	1.51	21.43	1355.17
25-Oct-2007	1457	DR	M-SCOPE	24.13	0.00	1.51	22.62	1353.98
10-Jan-2008	1529	DR	M-SCOPE	24.08	0.00	1.51	22.57	1354.03
03-Apr-2008	1408	DR	M-SCOPE	23.84	0.00	1.51	22.33	1354.27
21-Jul-2008	1125	DR	M-SCOPE	23.18	0.00	1.51	21.67	1354.93
21-Oct-2008	1035	DR	M-SCOPE	22.92	0.00	1.51	21.41	1355.19
19-Jan-2009	1445	DR	M-SCOPE	21.48	0.00	1.51	19.97	1356.63
10-Apr-2009	933	DR	M-SCOPE	21.77	0.00	1.51	20.26	1356.34
21-Jul-2009	1242	DR	M-SCOPE	20.60	0.00	1.51	19.09	1357.51
21-Oct-2009	946	DR	M-SCOPE	20.50	0.00	1.51	18.99	1357.61
15-Jan-2010	1000	DR	M-SCOPE	20.27	0.00	1.51	18.76	1357.84
16-Apr-2010	1003	DR	M-SCOPE	21.01	0.00	1.51	19.50	1357.10
15-Jul-2010	1252	DR	M-SCOPE	20.13	0.00	1.51	18.62	1357.98
19-Oct-2010	1253	DR	M-SCOPE	21.55	0.00	1.51	20.04	1356.56
21-Jan-2011	1052	DR	M-SCOPE	21.95	0.00	1.51	20.44	1356.16
08-Apr-2011	1033	DR	M-SCOPE	22.50	0.00	1.51	20.99	1355.61
22-Jul-2011	1308	DR	M-SCOPE	23.81	0.00	1.51	22.30	1354.30
19-Oct-2011	1555	DR	M-SCOPE	26.90	0.00	1.51	25.39	1351.21
16-Jan-2012	1046	DR	M-SCOPE	26.50	0.00	1.51	24.99	1351.61
02-Mar-2012	1150	DR	M-SCOPE	26.15	0.00	1.51	24.64	1351.96
26-Apr-2012	1604	DR	M-SCOPE	26.18	0.00	1.51	24.67	1351.93
31-Jul-2012	1158	DR	M-SCOPE	28.19	0.00	1.51	26.68	1349.92
18-Oct-2012	1334	DR	M-SCOPE	29.53	0.00	1.51	28.02	1348.58

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1210	TB	M-SCOPE	22.30		1.49	20.81	1356.09
15-Apr-2002	1300	TB	M-SCOPE	22.29		1.49	20.80	1356.10
24-Jul-2002	1115	TB	M-SCOPE	24.12		1.49	22.63	1354.27
11-Oct-2002	1515	CM	M-SCOPE	25.28		1.49	23.79	1353.11
31-Oct-2002	1319	TDB	M-SCOPE	25.16		1.49	23.67	1353.23
27-Jan-2003	1045	TB	M-SCOPE	24.39	0.00	1.49	22.90	1354.00
29-Apr-2003	1130	TB	M-SCOPE	23.95	0.00	1.49	22.46	1354.44
24-Jul-2003	1137	TB	M-SCOPE	25.13	0.00	1.49	23.64	1353.26
29-Oct-2003	1335	TB	M-SCOPE	25.53	0.00	1.49	24.04	1352.86
23-Jan-2004	1403	TB	M-SCOPE	24.59	0.00	1.49	23.10	1353.80
20-Apr-2004	1226	TB	M-SCOPE	23.13	0.00	1.49	21.64	1355.26
26-Jul-2004	1210	TB	M-SCOPE	23.39	0.00	1.49	21.90	1355.00
27-Oct-2004	1417	TB	M-SCOPE	23.33	0.00	1.49	21.84	1355.06
21-Jan-2005	1112	TB	M-SCOPE	23.69	0.00	1.49	22.20	1354.70
06-Apr-2005	1344	TB	M-SCOPE	23.81	0.00	1.49	22.32	1354.58
20-Jul-2005	1112	TB	M-SCOPE	21.07	0.00	1.49	19.58	1357.32
21-Oct-2005	914	DR	M-SCOPE	21.38	0.00	1.49	19.89	1357.01
18-Jan-2006	1456	DR	M-SCOPE	21.54	0.00	1.49	20.05	1356.85
21-Apr-2006	1003	DR	M-SCOPE	22.79	0.00	1.49	21.30	1355.60
20-Jul-2006	1438	DR	M-SCOPE	24.31	0.00	1.49	22.82	1354.08
23-Oct-2006	1410	DR	M-SCOPE	25.80	0.00	1.49	24.31	1352.59
23-Jan-2007	1217	DR	M-SCOPE	25.02	0.00	1.49	23.53	1353.37
09-Apr-2007	1236	DR	M-SCOPE	25.23	0.00	1.49	23.74	1353.16
20-Jul-2007	955	DR	M-SCOPE	23.16	0.00	1.49	21.67	1355.23
25-Oct-2007	1457	DR	M-SCOPE	24.46	0.00	1.49	22.97	1353.93
10-Jan-2008	1529	DR	M-SCOPE	24.35	0.00	1.49	22.86	1354.04
03-Apr-2008	1407	DR	M-SCOPE	24.14	0.00	1.49	22.65	1354.25
21-Jul-2008	1125	DR	M-SCOPE	23.46	0.00	1.49	21.97	1354.93
21-Oct-2008	1035	DR	M-SCOPE	22.64	0.00	1.49	21.15	1355.75
19-Jan-2009	1445	DR	M-SCOPE	21.80	0.00	1.49	20.31	1356.59
10-Apr-2009	933	DR	M-SCOPE	21.97	0.00	1.49	20.48	1356.42
21-Jul-2009	1243	DR	M-SCOPE	20.91	0.00	1.49	19.42	1357.48
21-Oct-2009	946	DR	M-SCOPE	20.75	0.00	1.49	19.26	1357.64
15-Jan-2010	959	DR	M-SCOPE	20.47	0.00	1.49	18.98	1357.92
16-Apr-2010	1003	DR	M-SCOPE	21.31	0.00	1.49	19.82	1357.08
15-Jul-2010	1252	DR	M-SCOPE	20.41	0.00	1.49	18.92	1357.98
19-Oct-2010	1253	DR	M-SCOPE	21.84	0.00	1.49	20.35	1356.55
21-Jan-2011	1053	DR	M-SCOPE	22.29	0.00	1.49	20.80	1356.10
08-Apr-2011	1033	DR	M-SCOPE	22.78	0.00	1.49	21.29	1355.61
22-Jul-2011	1309	DR	M-SCOPE	24.36	0.00	1.49	22.87	1354.03
19-Oct-2011	1554	DR	M-SCOPE	27.23	0.00	1.49	25.74	1351.16
16-Jan-2012	1046	DR	M-SCOPE	26.78	0.00	1.49	25.29	1351.61
02-Mar-2012	1151	DR	M-SCOPE	26.40	0.00	1.49	24.91	1351.99
26-Apr-2012	1605	DR	M-SCOPE	26.50	0.00	1.49	25.01	1351.89
31-Jul-2012	1158	DR	M-SCOPE	28.68	0.00	1.49	27.19	1349.71
18-Oct-2012	1334	DR	M-SCOPE	29.82	0.00	1.49	28.33	1348.57



LEGEND

- ◆ IW-34A
- ◆ IW-34C
- Ground Surface Elevation
- | ASR Phase I Operations Begin



Figure D.34
 INDEX WELL HYDROGRAPHS
 IW-34A & IW34C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1220	TB	M-SCOPE	17.95		1.61	16.34	1347.96
03-May-2002	1005	TB	M-SCOPE	17.96		1.61	16.35	1347.95
22-Jul-2002	940	TB	M-SCOPE	18.56		1.61	16.95	1347.35
11-Oct-2002	1520	CM	M-SCOPE	18.68		1.61	17.07	1347.23
31-Oct-2002	1329	TDB	M-SCOPE	18.38		1.61	16.77	1347.53
27-Jan-2003	1058	TB	M-SCOPE	18.35	0.00	1.61	16.74	1347.56
29-Apr-2003	1144	TB	M-SCOPE	17.20	0.00	1.61	15.59	1348.71
24-Jul-2003	1121	TB	M-SCOPE	18.19	0.00	1.61	16.58	1347.72
29-Oct-2003	1347	TB	M-SCOPE	17.02	0.00	1.61	15.41	1348.89
23-Jan-2004	1413	TB	M-SCOPE	17.76	0.00	1.61	16.15	1348.15
20-Apr-2004	1238	TB	M-SCOPE	16.58	0.00	1.61	14.97	1349.33
26-Jul-2004	1229	TB	M-SCOPE	15.98	0.00	1.61	14.37	1349.93
27-Oct-2004	1428	TB	M-SCOPE	17.27	0.00	1.61	15.66	1348.64
21-Jan-2005	1122	TB	M-SCOPE	17.66	0.00	1.61	16.05	1348.25
06-Apr-2005	1336	TB	M-SCOPE	17.13	0.00	1.61	15.52	1348.78
20-Jul-2005	1124	TB	M-SCOPE	15.19	0.00	1.61	13.58	1350.72
21-Oct-2005	925	DR	M-SCOPE	16.71	0.00	1.61	15.10	1349.20
18-Jan-2006	1506	DR	M-SCOPE	17.48	0.00	1.61	15.87	1348.43
21-Apr-2006	955	DR	M-SCOPE	18.39	0.00	1.61	16.78	1347.52
20-Jul-2006	1429	DR	M-SCOPE	18.60	0.00	1.61	16.99	1347.31
23-Oct-2006	1358	DR	M-SCOPE	19.62	0.00	1.61	18.01	1346.29
23-Jan-2007	1224	DR	M-SCOPE	19.60	0.00	1.61	17.99	1346.31
09-Apr-2007	1226	DR	M-SCOPE	19.20	0.00	1.61	17.59	1346.71
20-Jul-2007	1059	DR	M-SCOPE	16.70	0.00	1.61	15.09	1349.21
25-Oct-2007	1508	DR	M-SCOPE	18.37	0.00	1.61	16.76	1347.54
10-Jan-2008	1518	DR	M-SCOPE	18.37	0.00	1.61	16.76	1347.54
03-Apr-2008	1358	DR	M-SCOPE	18.28	0.00	1.61	16.67	1347.63
21-Jul-2008	1116	DR	M-SCOPE	17.59	0.00	1.61	15.98	1348.32
21-Oct-2008	1035	DR	M-SCOPE	16.70	0.00	1.61	15.09	1349.21
19-Jan-2009	1458	DR	M-SCOPE	17.09	0.00	1.61	15.48	1348.82
10-Apr-2009	924	DR	M-SCOPE	17.00	0.00	1.61	15.39	1348.91
21-Jul-2009	1234	DR	M-SCOPE	15.55	0.00	1.61	13.94	1350.36
21-Oct-2009	938	DR	M-SCOPE	16.38	0.00	1.61	14.77	1349.53
15-Jan-2010	1012	DR	M-SCOPE	16.92	0.00	1.61	15.31	1348.99
16-Apr-2010	1014	DR	M-SCOPE	17.43	0.00	1.61	15.82	1348.48
15-Jul-2010	1304	DR	M-SCOPE	15.10	0.00	1.61	13.49	1350.81
19-Oct-2010	1243	DR	M-SCOPE	17.19	0.00	1.61	15.58	1348.72
21-Jan-2011	1122	DR	M-SCOPE	17.89	0.00	1.61	16.28	1348.02
08-Apr-2011	934	DR	M-SCOPE	18.31	0.00	1.61	16.70	1347.60
22-Jul-2011	1309	DR	M-SCOPE	18.67	0.00	1.61	17.06	1347.24
19-Oct-2011	1545	DR	M-SCOPE	20.63	0.00	1.61	19.02	1345.28
16-Jan-2012	1056	DR	M-SCOPE	20.34	0.00	1.61	18.73	1345.57
02-Mar-2012	1157	DR	M-SCOPE	20.06	0.00	1.61	18.45	1345.85
26-Apr-2012	1556	DR	M-SCOPE	19.80	0.00	1.61	18.19	1346.11
31-Jul-2012	1106	DR	M-SCOPE	21.00	0.00	1.61	19.39	1344.91
18-Oct-2012	1322	DR	M-SCOPE	21.48	0.00	1.61	19.87	1344.43

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1225	TB	M-SCOPE	18.25		1.91	16.34	1347.96
03-May-2002	1125	TB	M-SCOPE	18.24		1.91	16.33	1347.97
22-Jul-2002	1145	TB	M-SCOPE	18.92		1.91	17.01	1347.29
11-Oct-2002	1525	CM	M-SCOPE	18.92		1.91	17.01	1347.29
31-Oct-2002	1331	TDB	M-SCOPE	18.63		1.91	16.72	1347.58
27-Jan-2003	1059	TB	M-SCOPE	18.63	0.00	1.91	16.72	1347.58
29-Apr-2003	1145	TB	M-SCOPE	17.44	0.00	1.91	15.53	1348.77
24-Jul-2003	1122	TB	M-SCOPE	18.52	0.00	1.91	16.61	1347.69
29-Oct-2003	1348	TB	M-SCOPE	17.28	0.00	1.91	15.37	1348.93
23-Jan-2004	1414	TB	M-SCOPE	18.05	0.00	1.91	16.14	1348.16
20-Apr-2004	1239	TB	M-SCOPE	16.87	0.00	1.91	14.96	1349.34
26-Jul-2004	1229	TB	M-SCOPE	16.19	0.00	1.91	14.28	1350.02
27-Oct-2004	1428	TB	M-SCOPE	17.58	0.00	1.91	15.67	1348.63
21-Jan-2005	1123	TB	M-SCOPE	17.95	0.00	1.91	16.04	1348.26
06-Apr-2005	1336	TB	M-SCOPE	17.39	0.00	1.91	15.48	1348.82
20-Jul-2005	1124	TB	M-SCOPE	15.59	0.00	1.91	13.68	1350.62
21-Oct-2005	926	DR	M-SCOPE	17.02	0.00	1.91	15.11	1349.19
18-Jan-2006	1507	DR	M-SCOPE	17.78	0.00	1.91	15.87	1348.43
21-Apr-2006	956	DR	M-SCOPE	18.71	0.00	1.91	16.80	1347.50
20-Jul-2006	1429	DR	M-SCOPE	18.93	0.00	1.91	17.02	1347.28
23-Oct-2006	1358	DR	M-SCOPE	19.96	0.00	1.91	18.05	1346.25
23-Jan-2007	1225	DR	M-SCOPE	19.92	0.00	1.91	18.01	1346.29
09-Apr-2007	1226	DR	M-SCOPE	19.45	0.00	1.91	17.54	1346.76
20-Jul-2007	1059	DR	M-SCOPE	17.01	0.00	1.91	15.10	1349.20
25-Oct-2007	1508	DR	M-SCOPE	18.69	0.00	1.91	16.78	1347.52
10-Jan-2008	1518	DR	M-SCOPE	18.63	0.00	1.91	16.72	1347.58
03-Apr-2008	1358	DR	M-SCOPE	18.56	0.00	1.91	16.65	1347.65
21-Jul-2008	1116	DR	M-SCOPE	17.95	0.00	1.91	16.04	1348.26
21-Oct-2008	1036	DR	M-SCOPE	16.96	0.00	1.91	15.05	1349.25
19-Jan-2009	1458	DR	M-SCOPE	17.40	0.00	1.91	15.49	1348.81
10-Apr-2009	924	DR	M-SCOPE	17.31	0.00	1.91	15.40	1348.90
21-Jul-2009	1233	DR	M-SCOPE	15.91	0.00	1.91	14.00	1350.30
21-Oct-2009	937	DR	M-SCOPE	16.72	0.00	1.91	14.81	1349.49
15-Jan-2010	1012	DR	M-SCOPE	17.24	0.00	1.91	15.33	1348.97
16-Apr-2010	1014	DR	M-SCOPE	17.70	0.00	1.91	15.79	1348.51
15-Jul-2010	1304	DR	M-SCOPE	15.38	0.00	1.91	13.47	1350.83
19-Oct-2010	1243	DR	M-SCOPE	17.54	0.00	1.91	15.63	1348.67
21-Jan-2011	1122	DR	M-SCOPE	18.21	0.00	1.91	16.30	1348.00
08-Apr-2011	933	DR	M-SCOPE	18.60	0.00	1.91	16.69	1347.61
22-Jul-2011	1309	DR	M-SCOPE	18.98	0.00	1.91	17.07	1347.23
19-Oct-2011	1545	DR	M-SCOPE	20.92	0.00	1.91	19.01	1345.29
16-Jan-2012	1056	DR	M-SCOPE	20.60	0.00	1.91	18.69	1345.61
02-Mar-2012	1157	DR	M-SCOPE	20.29	0.00	1.91	18.38	1345.92
26-Apr-2012	1556	DR	M-SCOPE	20.07	0.00	1.91	18.16	1346.14
31-Jul-2012	1107	DR	M-SCOPE	21.27	0.00	1.91	19.36	1344.94
18-Oct-2012	1323	DR	M-SCOPE	21.74	0.00	1.91	19.83	1344.47

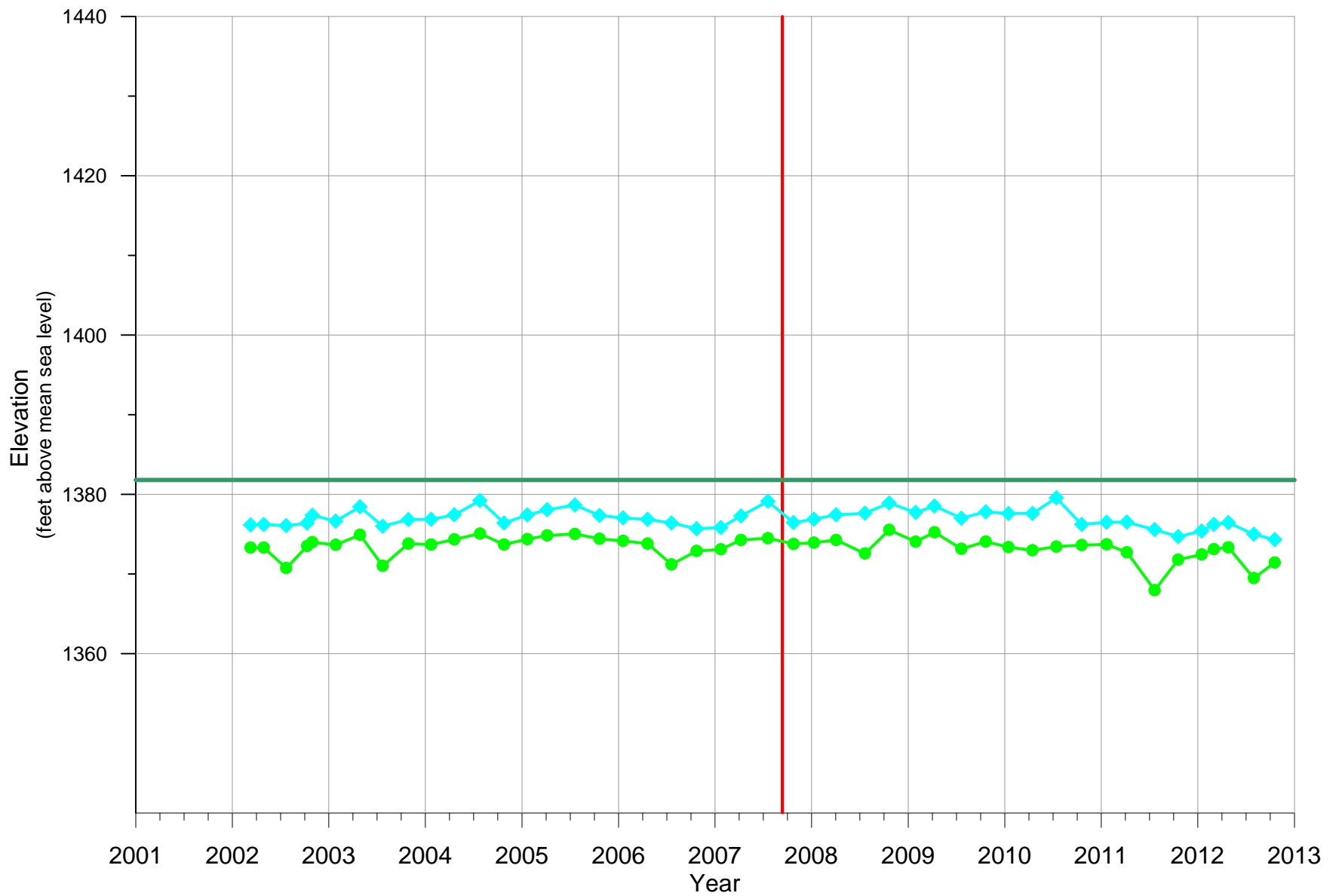


Figure D.35
 INDEX WELL HYDROGRAPHS
 IW-35A & IW35C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1425	TB	M-SCOPE	7.58		1.94	5.64	1376.16
30-Apr-2002	955	TB	M-SCOPE	7.53		1.94	5.59	1376.21
24-Jul-2002	905	TB	M-SCOPE	7.66		1.94	5.72	1376.08
11-Oct-2002	1540	CM	M-SCOPE	7.37		1.94	5.43	1376.37
31-Oct-2002	1408	TDB	M-SCOPE	6.36		1.94	4.42	1377.38
27-Jan-2003	1202	TB	M-SCOPE	7.10	0.00	1.94	5.16	1376.64
29-Apr-2003	1248	TB	M-SCOPE	5.31	0.00	1.94	3.37	1378.43
24-Jul-2003	1408	TB	M-SCOPE	7.74	0.00	1.94	5.80	1376.00
29-Oct-2003	1432	TB	M-SCOPE	6.91	0.00	1.94	4.97	1376.83
23-Jan-2004	1504	TB	M-SCOPE	6.88	0.00	1.94	4.94	1376.86
20-Apr-2004	1337	TB	M-SCOPE	6.31	0.00	1.94	4.37	1377.43
26-Jul-2004	1315	TB	M-SCOPE	4.52	0.00	1.94	2.58	1379.22
25-Oct-2004	1639	TB	M-SCOPE	7.34	0.00	1.94	5.40	1376.40
21-Jan-2005	1256	TB	M-SCOPE	6.34	0.00	1.94	4.40	1377.40
06-Apr-2005	1259	TB	M-SCOPE	5.67	0.00	1.94	3.73	1378.07
20-Jul-2005	1246	TB	M-SCOPE	5.09	0.00	1.94	3.15	1378.65
21-Oct-2005	1015	DR	M-SCOPE	6.39	0.00	1.94	4.45	1377.35
18-Jan-2006	1550	DR	M-SCOPE	6.70	0.00	1.94	4.76	1377.04
21-Apr-2006	922	DR	M-SCOPE	6.88	0.00	1.94	4.94	1376.86
20-Jul-2006	1354	DR	M-SCOPE	7.33	0.00	1.94	5.39	1376.41
23-Oct-2006	1318	DR	M-SCOPE	8.06	0.00	1.94	6.12	1375.68
23-Jan-2007	1322	DR	M-SCOPE	7.91	0.00	1.94	5.97	1375.83
09-Apr-2007	1125	DR	M-SCOPE	6.45	0.00	1.94	4.51	1377.29
20-Jul-2007	910	DR	M-SCOPE	4.61	0.00	1.94	2.67	1379.13
25-Oct-2007	1600	DR	M-SCOPE	7.29	0.00	1.94	5.35	1376.45
10-Jan-2008	1439	DR	M-SCOPE	6.86	0.00	1.94	4.92	1376.88
03-Apr-2008	1237	DR	M-SCOPE	6.31	0.00	1.94	4.37	1377.43
21-Jul-2008	1023	DR	M-SCOPE	6.11	0.00	1.94	4.17	1377.63
21-Oct-2008	855	DR	M-SCOPE	4.83	0.00	1.94	2.89	1378.91
29-Jan-2009	1307	DR	M-SCOPE	6.02	0.00	1.94	4.08	1377.72
10-Apr-2009	905	DR	M-SCOPE	5.21	0.00	1.94	3.27	1378.53
21-Jul-2009	1352	DR	M-SCOPE	6.74	0.00	1.94	4.80	1377.00
21-Oct-2009	854	DR	M-SCOPE	5.94	0.00	1.94	4.00	1377.80
15-Jan-2010	1054	DR	M-SCOPE	6.15	0.00	1.94	4.21	1377.59
16-Apr-2010	1053	DR	M-SCOPE	6.13	0.00	1.94	4.19	1377.61
15-Jul-2010	1355	DR	M-SCOPE	4.19	0.00	1.94	2.25	1379.55
19-Oct-2010	1157	DR	M-SCOPE	7.52	0.00	1.94	5.58	1376.22
21-Jan-2011	938	DR	M-SCOPE	7.24	0.00	1.94	5.30	1376.50
08-Apr-2011	1005	DR	M-SCOPE	7.23	0.00	1.94	5.29	1376.51
22-Jul-2011	1709	DR	M-SCOPE	8.17	0.00	1.94	6.23	1375.57
19-Oct-2011	1505	DR	M-SCOPE	9.04	0.00	1.94	7.10	1374.70
16-Jan-2012	1151	DR	M-SCOPE	8.35	0.00	1.94	6.41	1375.39
02-Mar-2012	1309	DR	M-SCOPE	7.51	0.00	1.94	5.57	1376.23
26-Apr-2012	1518	DR	M-SCOPE	7.29	0.00	1.94	5.35	1376.45
31-Jul-2012	1136	DR	M-SCOPE	8.75	0.00	1.94	6.81	1374.99
18-Oct-2012	1308	DR	M-SCOPE	9.43	0.00	1.94	7.49	1374.31

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1430	TB	M-SCOPE	10.26		1.87	8.39	1373.31
30-Apr-2002	1130	TB	M-SCOPE	10.26		1.87	8.39	1373.31
24-Jul-2002	1110	TB	M-SCOPE	12.82		1.87	10.95	1370.75
11-Oct-2002	1545	CM	M-SCOPE	10.06		1.87	8.19	1373.51
31-Oct-2002	1410	TDB	M-SCOPE	9.58		1.87	7.71	1373.99
27-Jan-2003	1203	TB	M-SCOPE	9.91	0.00	1.87	8.04	1373.66
29-Apr-2003	1249	TB	M-SCOPE	8.65	0.00	1.87	6.78	1374.92
24-Jul-2003	1408	TB	M-SCOPE	12.55	0.00	1.87	10.68	1371.02
29-Oct-2003	1433	TB	M-SCOPE	9.75	0.00	1.87	7.88	1373.82
23-Jan-2004	1504	TB	M-SCOPE	9.88	0.00	1.87	8.01	1373.69
20-Apr-2004	1338	TB	M-SCOPE	9.22	0.00	1.87	7.35	1374.35
26-Jul-2004	1316	TB	M-SCOPE	8.50	0.00	1.87	6.63	1375.07
25-Oct-2004	1640	TB	M-SCOPE	9.87	0.00	1.87	8.00	1373.70
21-Jan-2005	1257	TB	M-SCOPE	9.19	0.00	1.87	7.32	1374.38
06-Apr-2005	1300	TB	M-SCOPE	8.73	0.00	1.87	6.86	1374.84
20-Jul-2005	1247	TB	M-SCOPE	8.54	0.00	1.87	6.67	1375.03
21-Oct-2005	1015	DR	M-SCOPE	9.15	0.00	1.87	7.28	1374.42
18-Jan-2006	1551	DR	M-SCOPE	9.41	0.00	1.87	7.54	1374.16
21-Apr-2006	922	DR	M-SCOPE	9.75	0.00	1.87	7.88	1373.82
20-Jul-2006	1354	DR	M-SCOPE	12.37	0.00	1.87	10.50	1371.20
23-Oct-2006	1318	DR	M-SCOPE	10.68	0.00	1.87	8.81	1372.89
23-Jan-2007	1322	DR	M-SCOPE	10.47	0.00	1.87	8.60	1373.10
09-Apr-2007	1125	DR	M-SCOPE	9.30	0.00	1.87	7.43	1374.27
20-Jul-2007	909	DR	M-SCOPE	9.08	0.00	1.87	7.21	1374.49
25-Oct-2007	1600	DR	M-SCOPE	9.80	0.00	1.87	7.93	1373.77
10-Jan-2008	1439	DR	M-SCOPE	9.64	0.00	1.87	7.77	1373.93
03-Apr-2008	1238	DR	M-SCOPE	9.30	0.00	1.87	7.43	1374.27
21-Jul-2008	1023	DR	M-SCOPE	11.00	0.00	1.87	9.13	1372.57
21-Oct-2008	855	DR	M-SCOPE	8.03	0.00	1.87	6.16	1375.54
29-Jan-2009	1307	DR	M-SCOPE	9.52	0.00	1.87	7.65	1374.05
10-Apr-2009	905	DR	M-SCOPE	8.33	0.00	1.87	6.46	1375.24
21-Jul-2009	1351	DR	M-SCOPE	10.41	0.00	1.87	8.54	1373.16
21-Oct-2009	854	DR	M-SCOPE	9.50	0.00	1.87	7.63	1374.07
15-Jan-2010	1054	DR	M-SCOPE	10.20	0.00	1.87	8.33	1373.37
16-Apr-2010	1053	DR	M-SCOPE	10.59	0.00	1.87	8.72	1372.98
15-Jul-2010	1354	DR	M-SCOPE	10.13	0.00	1.87	8.26	1373.44
19-Oct-2010	1157	DR	M-SCOPE	9.94	0.00	1.87	8.07	1373.63
21-Jan-2011	937	DR	M-SCOPE	9.85	0.00	1.87	7.98	1373.72
08-Apr-2011	1005	DR	M-SCOPE	10.84	0.00	1.87	8.97	1372.73
22-Jul-2011	1709	DR	M-SCOPE	15.60	0.00	1.87	13.73	1367.97
19-Oct-2011	1505	DR	M-SCOPE	11.77	0.00	1.87	9.90	1371.80
16-Jan-2012	1151	DR	M-SCOPE	11.12	0.00	1.87	9.25	1372.45
02-Mar-2012	1309	DR	M-SCOPE	10.45	0.00	1.87	8.58	1373.12
26-Apr-2012	1518	DR	M-SCOPE	10.23	0.00	1.87	8.36	1373.34
31-Jul-2012	1136	DR	M-SCOPE	14.09	0.00	1.87	12.22	1369.48
18-Oct-2012	1308	DR	M-SCOPE	12.14	0.00	1.87	10.27	1371.43

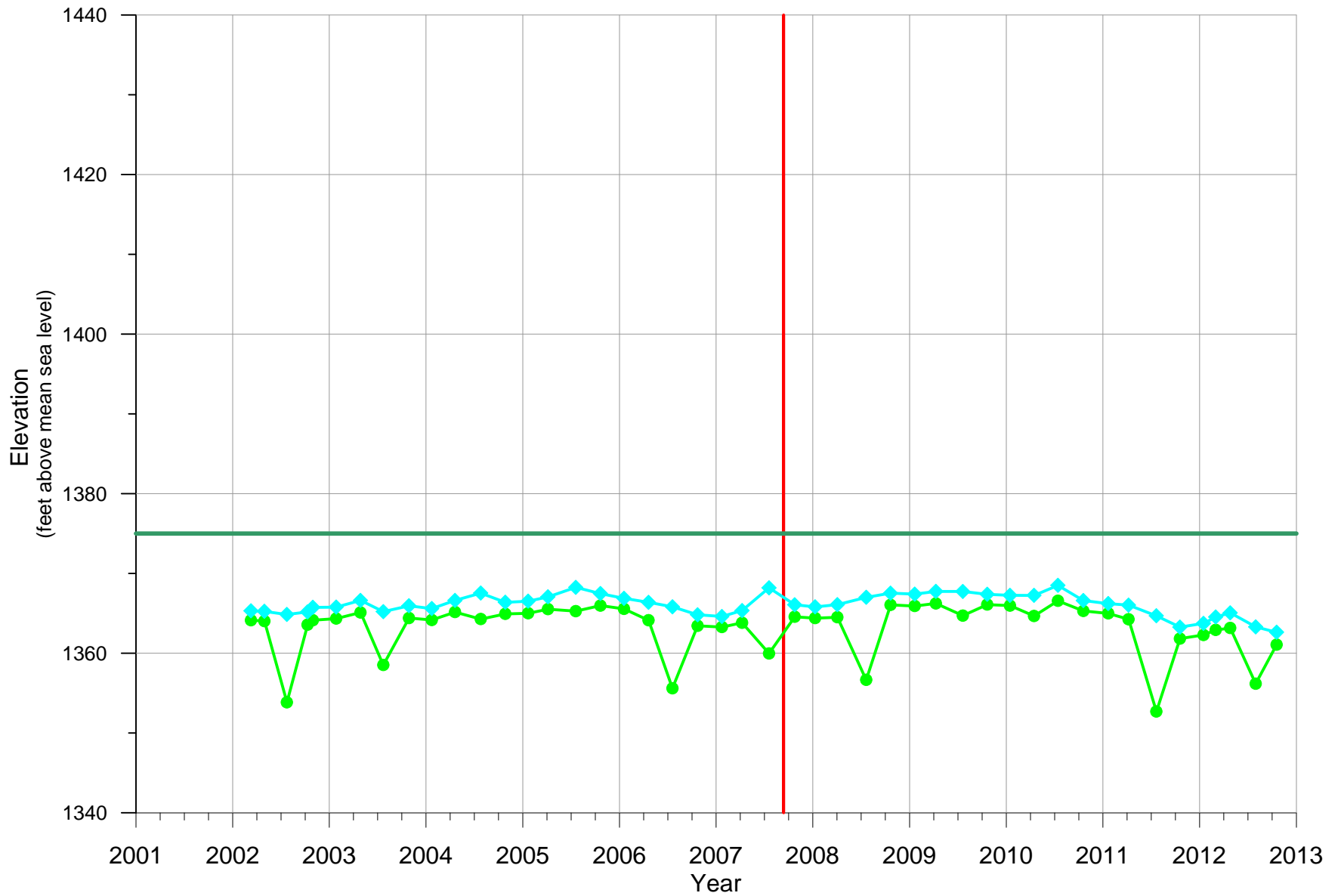


Figure D.36
 INDEX WELL HYDROGRAPHS
 IW-36A & IW36C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1435	TB	M-SCOPE	11.40		1.72	9.68	1365.32
01-May-2002	1010	TB	M-SCOPE	11.47		1.72	9.75	1365.25
25-Jul-2002	855	TB	M-SCOPE	11.86		1.72	10.14	1364.86
11-Oct-2002	1555	CM	M-SCOPE	11.54		1.72	9.82	1365.18
31-Oct-2002	1358	TDB	M-SCOPE	10.97		1.72	9.25	1365.75
27-Jan-2003	1146	TB	M-SCOPE	10.94	0.00	1.72	9.22	1365.78
29-Apr-2003	1300	TB	M-SCOPE	10.10	0.00	1.72	8.38	1366.62
24-Jul-2003	1355	TB	M-SCOPE	11.51	0.00	1.72	9.79	1365.21
29-Oct-2003	1421	TB	M-SCOPE	10.77	0.00	1.72	9.05	1365.95
23-Jan-2004	1514	TB	M-SCOPE	11.12	0.00	1.72	9.40	1365.60
20-Apr-2004	1350	TB	M-SCOPE	10.10	0.00	1.72	8.38	1366.62
26-Jul-2004	1305	TB	M-SCOPE	9.18	0.00	1.72	7.46	1367.54
27-Oct-2004	1508	TB	M-SCOPE	10.33	0.00	1.72	8.61	1366.39
21-Jan-2005	1309	TB	M-SCOPE	10.20	0.00	1.72	8.48	1366.52
06-Apr-2005	1310	TB	M-SCOPE	9.65	0.00	1.72	7.93	1367.07
20-Jul-2005	1256	TB	M-SCOPE	8.46	0.00	1.72	6.74	1368.26
21-Oct-2005	1002	DR	M-SCOPE	9.24	0.00	1.72	7.52	1367.48
18-Jan-2006	1541	DR	M-SCOPE	9.84	0.00	1.72	8.12	1366.88
21-Apr-2006	930	DR	M-SCOPE	10.34	0.00	1.72	8.62	1366.38
20-Jul-2006	1402	DR	M-SCOPE	10.90	0.00	1.72	9.18	1365.82
23-Oct-2006	1327	DR	M-SCOPE	11.90	0.00	1.72	10.18	1364.82
23-Jan-2007	1315	DR	M-SCOPE	12.11	0.00	1.72	10.39	1364.61
09-Apr-2007	1134	DR	M-SCOPE	11.37	0.00	1.72	9.65	1365.35
20-Jul-2007	922	DR	M-SCOPE	8.52	0.00	1.72	6.80	1368.20
25-Oct-2007	1549	DR	M-SCOPE	10.64	0.00	1.72	8.92	1366.08
10-Jan-2008	1447	DR	M-SCOPE	10.91	0.00	1.72	9.19	1365.81
03-Apr-2008	1246	DR	M-SCOPE	10.63	0.00	1.72	8.91	1366.09
21-Jul-2008	1034	DR	M-SCOPE	9.71	0.00	1.72	7.99	1367.01
21-Oct-2008	916	DR	M-SCOPE	9.19	0.00	1.72	7.47	1367.53
20-Jan-2009	1030	DR	M-SCOPE	9.31	0.00	1.72	7.59	1367.41
10-Apr-2009	853	DR	M-SCOPE	8.97	0.00	1.72	7.25	1367.75
21-Jul-2009	1328	DR	M-SCOPE	8.98	0.00	1.72	7.26	1367.74
21-Oct-2009	902	DR	M-SCOPE	9.33	0.00	1.72	7.61	1367.39
15-Jan-2010	1045	DR	M-SCOPE	9.46	0.00	1.72	7.74	1367.26
16-Apr-2010	1044	DR	M-SCOPE	9.47	0.00	1.72	7.75	1367.25
15-Jul-2010	1406	DR	M-SCOPE	8.21	0.00	1.72	6.49	1368.51
19-Oct-2010	1206	DR	M-SCOPE	10.11	0.00	1.72	8.39	1366.61
21-Jan-2011	928	DR	M-SCOPE	10.50	0.00	1.72	8.78	1366.22
08-Apr-2011	955	DR	M-SCOPE	10.69	0.00	1.72	8.97	1366.03
22-Jul-2011	1716	DR	M-SCOPE	12.03	0.00	1.72	10.31	1364.69
19-Oct-2011	1455	DR	M-SCOPE	13.45	0.00	1.72	11.73	1363.27
16-Jan-2012	1143	DR	M-SCOPE	12.98	0.00	1.72	11.26	1363.74
02-Mar-2012	1302	DR	M-SCOPE	12.18	0.00	1.72	10.46	1364.54
26-Apr-2012	1510	DR	M-SCOPE	11.66	0.00	1.72	9.94	1365.06
31-Jul-2012	1128	DR	M-SCOPE	13.42	0.00	1.72	11.70	1363.30
18-Oct-2012	1257	DR	M-SCOPE	14.09	0.00	1.72	12.37	1362.63

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1440	TB	M-SCOPE	12.23		1.47	10.76	1364.14
01-May-2002	1145	TB	M-SCOPE	12.34		1.47	10.87	1364.03
25-Jul-2002	1105	TB	M-SCOPE	22.52		1.47	21.05	1353.85
11-Oct-2002	1600	CM	M-SCOPE	12.80		1.47	11.33	1363.57
31-Oct-2002	1400	TDB	M-SCOPE	12.23		1.47	10.76	1364.14
27-Jan-2003	1146	TB	M-SCOPE	12.03	0.00	1.47	10.56	1364.34
29-Apr-2003	1301	TB	M-SCOPE	11.26	0.00	1.47	9.79	1365.11
24-Jul-2003	1356	TB	M-SCOPE	17.85	0.00	1.47	16.38	1358.52
29-Oct-2003	1422	TB	M-SCOPE	11.96	0.00	1.47	10.49	1364.41
23-Jan-2004	1514	TB	M-SCOPE	12.20	0.00	1.47	10.73	1364.17
20-Apr-2004	1351	TB	M-SCOPE	11.21	0.00	1.47	9.74	1365.16
26-Jul-2004	1305	TB	M-SCOPE	12.09	0.00	1.47	10.62	1364.28
27-Oct-2004	1509	TB	M-SCOPE	11.44	0.00	1.47	9.97	1364.93
21-Jan-2005	1310	TB	M-SCOPE	11.36	0.00	1.47	9.89	1365.01
06-Apr-2005	1310	TB	M-SCOPE	10.85	0.00	1.47	9.38	1365.52
20-Jul-2005	1257	TB	M-SCOPE	11.10	0.00	1.47	9.63	1365.27
21-Oct-2005	1003	DR	M-SCOPE	10.40	0.00	1.47	8.93	1365.97
18-Jan-2006	1541	DR	M-SCOPE	10.81	0.00	1.47	9.34	1365.56
21-Apr-2006	930	DR	M-SCOPE	12.24	0.00	1.47	10.77	1364.13
20-Jul-2006	1403	DR	M-SCOPE	20.76	0.00	1.47	19.29	1355.61
23-Oct-2006	1327	DR	M-SCOPE	12.93	0.00	1.47	11.46	1363.44
23-Jan-2007	1315	DR	M-SCOPE	13.09	0.00	1.47	11.62	1363.28
09-Apr-2007	1133	DR	M-SCOPE	12.55	0.00	1.47	11.08	1363.82
20-Jul-2007	926	DR	M-SCOPE	16.40	0.00	1.47	14.93	1359.97
25-Oct-2007	1548	DR	M-SCOPE	11.80	0.00	1.47	10.33	1364.57
10-Jan-2008	1448	DR	M-SCOPE	11.97	0.00	1.47	10.50	1364.40
03-Apr-2008	1246	DR	M-SCOPE	11.86	0.00	1.47	10.39	1364.51
21-Jul-2008	1034	DR	M-SCOPE	19.71	0.00	1.47	18.24	1356.66
21-Oct-2008	916	DR	M-SCOPE	10.31	0.00	1.47	8.84	1366.06
20-Jan-2009	1030	DR	M-SCOPE	10.45	0.00	1.47	8.98	1365.92
10-Apr-2009	854	DR	M-SCOPE	10.13	0.00	1.47	8.66	1366.24
21-Jul-2009	1323	DR	M-SCOPE	11.66	0.00	1.47	10.19	1364.71
21-Oct-2009	902	DR	M-SCOPE	10.27	0.00	1.47	8.80	1366.10
15-Jan-2010	1045	DR	M-SCOPE	10.40	0.00	1.47	8.93	1365.97
16-Apr-2010	1044	DR	M-SCOPE	11.70	0.00	1.47	10.23	1364.67
15-Jul-2010	1405	DR	M-SCOPE	9.80	0.00	1.47	8.33	1366.57
19-Oct-2010	1205	DR	M-SCOPE	11.07	0.00	1.47	9.60	1365.30
21-Jan-2011	927	DR	M-SCOPE	11.38	0.00	1.47	9.91	1364.99
08-Apr-2011	956	DR	M-SCOPE	12.11	0.00	1.47	10.64	1364.26
22-Jul-2011	1716	DR	M-SCOPE	23.68	0.00	1.47	22.21	1352.69
19-Oct-2011	1455	DR	M-SCOPE	14.54	0.00	1.47	13.07	1361.83
16-Jan-2012	1144	DR	M-SCOPE	14.08	0.00	1.47	12.61	1362.29
02-Mar-2012	1302	DR	M-SCOPE	13.45	0.00	1.47	11.98	1362.92
26-Apr-2012	1510	DR	M-SCOPE	13.21	0.00	1.47	11.74	1363.16
31-Jul-2012	1128	DR	M-SCOPE	20.19	0.00	1.47	18.72	1356.18
18-Oct-2012	1257	DR	M-SCOPE	15.30	0.00	1.47	13.83	1361.07

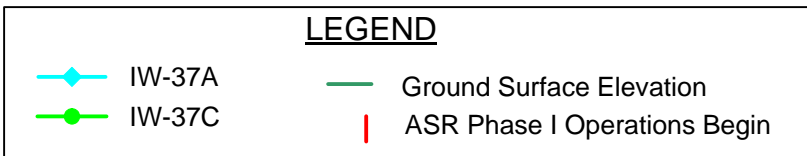
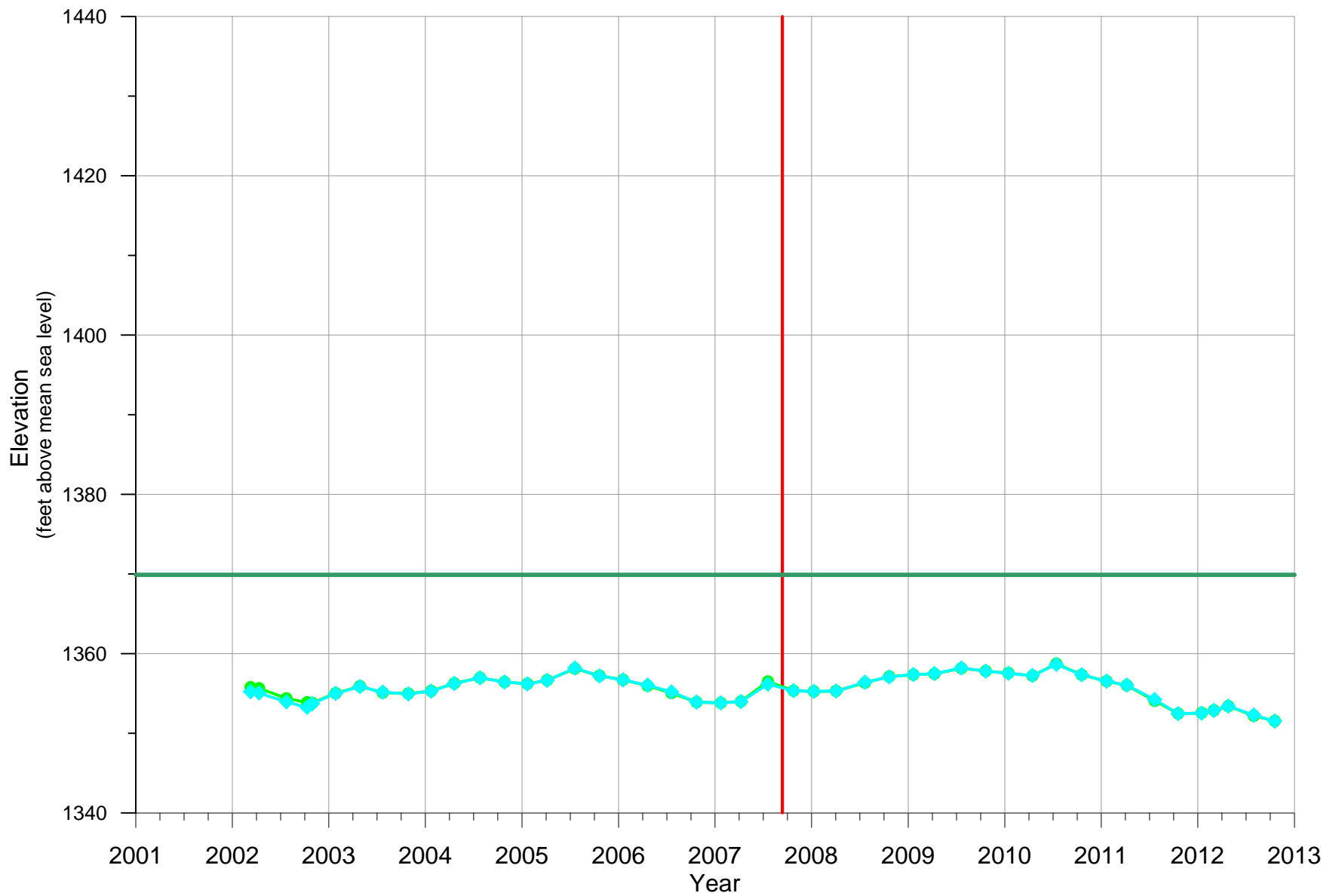


Figure D.37
 INDEX WELL HYDROGRAPHS
 IW-37A & IW37C
 2001 THROUGH 2012

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1535	TB	M-SCOPE	16.11		1.43	14.68	1355.22
12-Apr-2002	1110	TB	M-SCOPE	16.28		1.43	14.85	1355.05
25-Jul-2002	900	TB	M-SCOPE	17.38		1.43	15.95	1353.95
11-Oct-2002	1605	CM	M-SCOPE	18.08		1.43	16.65	1353.25
31-Oct-2002	1349	TDB	M-SCOPE	17.62		1.43	16.19	1353.71
27-Jan-2003	1132	TB	M-SCOPE	16.32	0.00	1.43	14.89	1355.01
29-Apr-2003	1310	TB	M-SCOPE	15.47	0.00	1.43	14.04	1355.86
24-Jul-2003	1341	TB	M-SCOPE	16.16	0.00	1.43	14.73	1355.17
29-Oct-2003	1411	TB	M-SCOPE	16.39	0.00	1.43	14.96	1354.94
23-Jan-2004	1522	TB	M-SCOPE	16.04	0.00	1.43	14.61	1355.29
20-Apr-2004	1403	TB	M-SCOPE	15.08	0.00	1.43	13.65	1356.25
26-Jul-2004	1255	TB	M-SCOPE	14.37	0.00	1.43	12.94	1356.96
27-Oct-2004	1456	TB	M-SCOPE	14.89	0.00	1.43	13.46	1356.44
21-Jan-2005	1321	TB	M-SCOPE	15.13	0.00	1.43	13.70	1356.20
06-Apr-2005	1318	TB	M-SCOPE	14.69	0.00	1.43	13.26	1356.64
20-Jul-2005	1309	TB	M-SCOPE	13.15	0.00	1.43	11.72	1358.18
21-Oct-2005	951	DR	M-SCOPE	14.13	0.00	1.43	12.70	1357.20
18-Jan-2006	1530	DR	M-SCOPE	14.63	0.00	1.43	13.20	1356.70
21-Apr-2006	937	DR	M-SCOPE	15.29	0.00	1.43	13.86	1356.04
20-Jul-2006	1410	DR	M-SCOPE	16.13	0.00	1.43	14.70	1355.20
23-Oct-2006	1337	DR	M-SCOPE	17.42	0.00	1.43	15.99	1353.91
23-Jan-2007	1308	DR	M-SCOPE	17.51	0.00	1.43	16.08	1353.82
09-Apr-2007	1141	DR	M-SCOPE	17.35	0.00	1.43	15.92	1353.98
20-Jul-2007	935	DR	M-SCOPE	15.16	0.00	1.43	13.73	1356.17
25-Oct-2007	1535	DR	M-SCOPE	15.99	0.00	1.43	14.56	1355.34
10-Jan-2008	1457	DR	M-SCOPE	16.08	0.00	1.43	14.65	1355.25
03-Apr-2008	1254	DR	M-SCOPE	16.03	0.00	1.43	14.60	1355.30
21-Jul-2008	1045	DR	M-SCOPE	14.93	0.00	1.43	13.50	1356.40
21-Oct-2008	907	DR	M-SCOPE	14.25	0.00	1.43	12.82	1357.08
20-Jan-2009	958	DR	M-SCOPE	13.96	0.00	1.43	12.53	1357.37
10-Apr-2009	839	DR	M-SCOPE	13.84	0.00	1.43	12.41	1357.49
21-Jul-2009	1335	DR	M-SCOPE	13.13	0.00	1.43	11.70	1358.20
21-Oct-2009	910	DR	M-SCOPE	13.53	0.00	1.43	12.10	1357.80
15-Jan-2010	1031	DR	M-SCOPE	13.81	0.00	1.43	12.38	1357.52
16-Apr-2010	1034	DR	M-SCOPE	14.08	0.00	1.43	12.65	1357.25
15-Jul-2010	1415	DR	M-SCOPE	12.68	0.00	1.43	11.25	1358.65
19-Oct-2010	1220	DR	M-SCOPE	13.98	0.00	1.43	12.55	1357.35
21-Jan-2011	914	DR	M-SCOPE	14.79	0.00	1.43	13.36	1356.54
08-Apr-2011	945	DR	M-SCOPE	15.29	0.00	1.43	13.86	1356.04
22-Jul-2011	1723	DR	M-SCOPE	17.10	0.00	1.43	15.67	1354.23
19-Oct-2011	1443	DR	M-SCOPE	18.87	0.00	1.43	17.44	1352.46
16-Jan-2012	1036	DR	M-SCOPE	18.80	0.00	1.43	17.37	1352.53
02-Mar-2012	1253	DR	M-SCOPE	18.47	0.00	1.43	17.04	1352.86
26-Apr-2012	1458	DR	M-SCOPE	17.93	0.00	1.43	16.50	1353.40
31-Jul-2012	1122	DR	M-SCOPE	19.04	0.00	1.43	17.61	1352.29
18-Oct-2012	1246	DR	M-SCOPE	19.81	0.00	1.43	18.38	1351.52

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1540	TB	M-SCOPE	16.27		2.15	14.12	1355.78
12-Apr-2002	1305	TB	M-SCOPE	16.40		2.15	14.25	1355.65
25-Jul-2002	1130	TB	M-SCOPE	17.67		2.15	15.52	1354.38
11-Oct-2002	1610	CM	M-SCOPE	18.18		2.15	16.03	1353.87
31-Oct-2002	1351	TDB	M-SCOPE	17.70		1.60	16.10	1353.80
27-Jan-2003	1133	TB	M-SCOPE	16.47	0.00	1.60	14.87	1355.03
29-Apr-2003	1311	TB	M-SCOPE	15.60	0.00	1.60	14.00	1355.90
24-Jul-2003	1343	TB	M-SCOPE	16.39	0.00	1.60	14.79	1355.11
29-Oct-2003	1411	TB	M-SCOPE	16.52	0.00	1.60	14.92	1354.98
23-Jan-2004	1523	TB	M-SCOPE	16.18	0.00	1.60	14.58	1355.32
20-Apr-2004	1404	TB	M-SCOPE	15.23	0.00	1.60	13.63	1356.27
26-Jul-2004	1255	TB	M-SCOPE	14.53	0.00	1.60	12.93	1356.97
27-Oct-2004	1456	TB	M-SCOPE	15.06	0.00	1.60	13.46	1356.44
21-Jan-2005	1321	TB	M-SCOPE	15.29	0.00	1.60	13.69	1356.21
06-Apr-2005	1319	TB	M-SCOPE	14.84	0.00	1.60	13.24	1356.66
20-Jul-2005	1309	TB	M-SCOPE	13.37	0.00	1.60	11.77	1358.13
21-Oct-2005	951	DR	M-SCOPE	14.27	0.00	1.60	12.67	1357.23
18-Jan-2006	1531	DR	M-SCOPE	14.79	0.00	1.60	13.19	1356.71
21-Apr-2006	938	DR	M-SCOPE	15.53	0.00	1.60	13.93	1355.97
20-Jul-2006	1410	DR	M-SCOPE	16.45	0.00	1.60	14.85	1355.05
23-Oct-2006	1337	DR	M-SCOPE	17.59	0.00	1.60	15.99	1353.91
23-Jan-2007	1308	DR	M-SCOPE	17.68	0.00	1.60	16.08	1353.82
09-Apr-2007	1141	DR	M-SCOPE	17.50	0.00	1.60	15.90	1354.00
20-Jul-2007	934	DR	M-SCOPE	15.00	0.00	1.60	13.40	1356.50
25-Oct-2007	1535	DR	M-SCOPE	16.15	0.00	1.60	14.55	1355.35
10-Jan-2008	1456	DR	M-SCOPE	16.25	0.00	1.60	14.65	1355.25
03-Apr-2008	1254	DR	M-SCOPE	16.19	0.00	1.60	14.59	1355.31
21-Jul-2008	1045	DR	M-SCOPE	15.16	0.00	1.60	13.56	1356.34
21-Oct-2008	908	DR	M-SCOPE	14.38	0.00	1.60	12.78	1357.12
20-Jan-2009	958	DR	M-SCOPE	14.14	0.00	1.60	12.54	1357.36
10-Apr-2009	839	DR	M-SCOPE	14.03	0.00	1.60	12.43	1357.47
21-Jul-2009	1336	DR	M-SCOPE	13.34	0.00	1.60	11.74	1358.16
21-Oct-2009	910	DR	M-SCOPE	13.68	0.00	1.60	12.08	1357.82
15-Jan-2010	1031	DR	M-SCOPE	13.95	0.00	1.60	12.35	1357.55
16-Apr-2010	1034	DR	M-SCOPE	14.28	0.00	1.60	12.68	1357.22
15-Jul-2010	1415	DR	M-SCOPE	12.77	0.00	1.60	11.17	1358.73
19-Oct-2010	1220	DR	M-SCOPE	14.15	0.00	1.60	12.55	1357.35
21-Jan-2011	915	DR	M-SCOPE	14.96	0.00	1.60	13.36	1356.54
08-Apr-2011	946	DR	M-SCOPE	15.48	0.00	1.60	13.88	1356.02
22-Jul-2011	1723	DR	M-SCOPE	17.42	0.00	1.60	15.82	1354.08
19-Oct-2011	1443	DR	M-SCOPE	19.04	0.00	1.60	17.44	1352.46
16-Jan-2012	1036	DR	M-SCOPE	18.95	0.00	1.60	17.35	1352.55
02-Mar-2012	1253	DR	M-SCOPE	18.63	0.00	1.60	17.03	1352.87
26-Apr-2012	1458	DR	M-SCOPE	18.10	0.00	1.60	16.50	1353.40
31-Jul-2012	1122	DR	M-SCOPE	19.30	0.00	1.60	17.70	1352.20
18-Oct-2012	1246	DR	M-SCOPE	19.96	0.00	1.60	18.36	1351.54

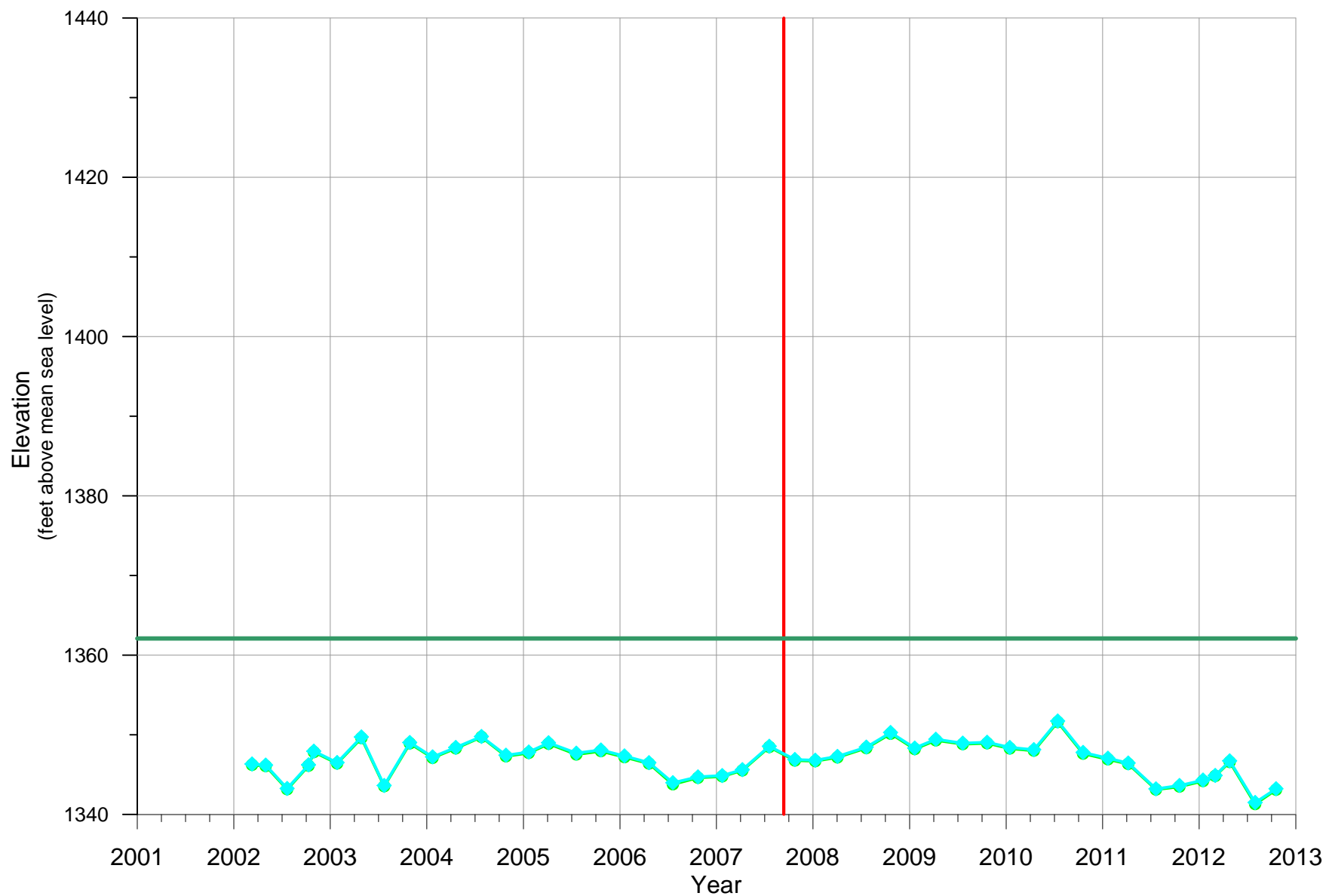


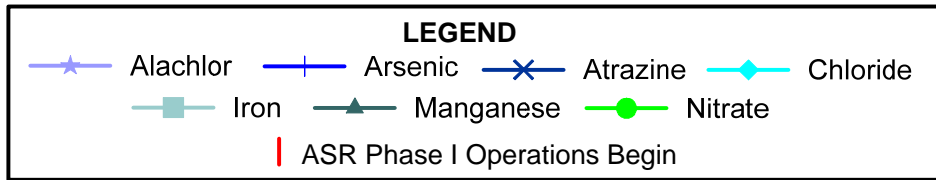
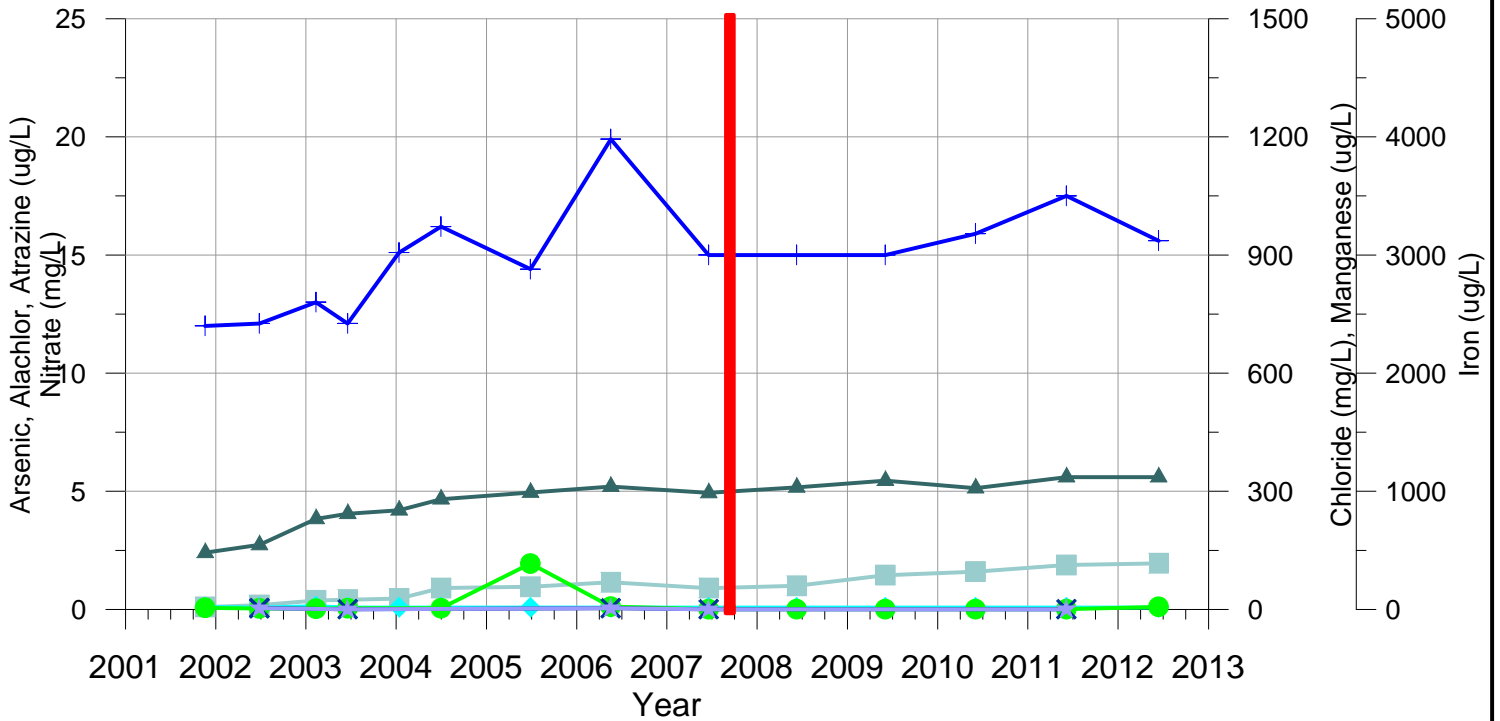
Figure D.38
 INDEX WELL HYDROGRAPHS
 IW-38A & IW38C
 2001 THROUGH 2012

Date	Time (24hr)	TB	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1520	TB	M-SCOPE	17.17		1.40	15.77	1346.33
02-May-2002	1020	TB	M-SCOPE	17.31		1.40	15.91	1346.19
22-Jul-2002	935	TB	M-SCOPE	20.24		1.40	18.84	1343.26
11-Oct-2002	1615	CM	M-SCOPE	17.28		1.40	15.88	1346.22
31-Oct-2002	1339	TDB	M-SCOPE	15.56		1.40	14.16	1347.94
27-Jan-2003	1113	TB	M-SCOPE	16.99	0.00	1.40	15.59	1346.51
29-Apr-2003	1322	TB	M-SCOPE	13.78	0.00	1.40	12.38	1349.72
24-Jul-2003	1328	TB	M-SCOPE	19.87	0.00	1.40	18.47	1343.63
29-Oct-2003	1358	TB	M-SCOPE	14.47	0.00	1.40	13.07	1349.03
23-Jan-2004	1533	TB	M-SCOPE	16.28	0.00	1.40	14.88	1347.22
20-Apr-2004	1419	TB	M-SCOPE	15.09	0.00	1.40	13.69	1348.41
26-Jul-2004	1243	TB	M-SCOPE	13.72	0.00	1.40	12.32	1349.78
27-Oct-2004	1439	TB	M-SCOPE	16.07	0.00	1.40	14.67	1347.43
21-Jan-2005	1333	TB	M-SCOPE	15.67	0.00	1.40	14.27	1347.83
06-Apr-2005	1328	TB	M-SCOPE	14.51	0.00	1.40	13.11	1348.99
20-Jul-2005	1319	TB	M-SCOPE	15.80	0.00	1.40	14.40	1347.70
21-Oct-2005	939	DR	M-SCOPE	15.41	0.00	1.40	14.01	1348.09
18-Jan-2006	1517	DR	M-SCOPE	16.16	0.00	1.40	14.76	1347.34
21-Apr-2006	947	DR	M-SCOPE	17.00	0.00	1.40	15.60	1346.50
20-Jul-2006	1421	DR	M-SCOPE	19.52	0.00	1.40	18.12	1343.98
23-Oct-2006	1349	DR	M-SCOPE	18.79	0.00	1.40	17.39	1344.71
23-Jan-2007	1259	DR	M-SCOPE	18.62	0.00	1.40	17.22	1344.88
09-Apr-2007	1219	DR	M-SCOPE	17.88	0.00	1.40	16.48	1345.62
20-Jul-2007	944	DR	M-SCOPE	14.94	0.00	1.40	13.54	1348.56
25-Oct-2007	1517	DR	M-SCOPE	16.61	0.00	1.40	15.21	1346.89
10-Jan-2008	1508	DR	M-SCOPE	16.70	0.00	1.40	15.30	1346.80
03-Apr-2008	1304	DR	M-SCOPE	16.21	0.00	1.40	14.81	1347.29
21-Jul-2008	1106	DR	M-SCOPE	15.05	0.00	1.40	13.65	1348.45
21-Oct-2008	935	DR	M-SCOPE	13.22	0.00	1.40	11.82	1350.28
20-Jan-2009	948	DR	M-SCOPE	15.17	0.00	1.40	13.77	1348.33
10-Apr-2009	829	DR	M-SCOPE	14.06	0.00	1.40	12.66	1349.44
21-Jul-2009	1224	DR	M-SCOPE	14.55	0.00	1.40	13.15	1348.95
21-Oct-2009	922	DR	M-SCOPE	14.44	0.00	1.40	13.04	1349.06
15-Jan-2010	1021	DR	M-SCOPE	15.09	0.00	1.40	13.69	1348.41
16-Apr-2010	1023	DR	M-SCOPE	15.37	0.00	1.40	13.97	1348.13
15-Jul-2010	1237	DR	M-SCOPE	11.77	0.00	1.40	10.37	1351.73
19-Oct-2010	1233	DR	M-SCOPE	15.72	0.00	1.40	14.32	1347.78
21-Jan-2011	904	DR	M-SCOPE	16.44	0.00	1.40	15.04	1347.06
08-Apr-2011	924	DR	M-SCOPE	17.05	0.00	1.40	15.65	1346.45
22-Jul-2011	1733	DR	M-SCOPE	20.29	0.00	1.40	18.89	1343.21
19-Oct-2011	1429	DR	M-SCOPE	19.87	0.00	1.40	18.47	1343.63
16-Jan-2012	1025	DR	M-SCOPE	19.19	0.00	1.40	17.79	1344.31
02-Mar-2012	1245	DR	M-SCOPE	18.61	0.00	1.40	17.21	1344.89
26-Apr-2012	1449	DR	M-SCOPE	16.78	0.00	1.40	15.38	1346.72
31-Jul-2012	1113	DR	M-SCOPE	22.01	0.00	1.40	20.61	1341.49
18-Oct-2012	1234	DR	M-SCOPE	20.28	0.00	1.40	18.88	1343.22

Date	Time (24hr)	Recorder	Type Instrument	Hold (ft)	Cut (ft)	Measuring Point (ft)	Depth to Water (ft)	Water level Elevation (msl)
11-Mar-2002	1525	TB	M-SCOPE	17.16		1.18	15.98	1346.22
02-May-2002	1145	TB	M-SCOPE	17.30		1.18	16.12	1346.08
22-Jul-2002	1155	TB	M-SCOPE	20.22		1.18	19.04	1343.16
11-Oct-2002	1620	CM	M-SCOPE	17.26		1.18	16.08	1346.12
31-Oct-2002	1341	TDB	M-SCOPE	15.55		1.18	14.37	1347.83
27-Jan-2003	1114	TB	M-SCOPE	16.97	0.00	1.18	15.79	1346.41
29-Apr-2003	1323	TB	M-SCOPE	13.79	0.00	1.18	12.61	1349.59
24-Jul-2003	1328	TB	M-SCOPE	19.84	0.00	1.18	18.66	1343.54
29-Oct-2003	1359	TB	M-SCOPE	14.46	0.00	1.18	13.28	1348.92
23-Jan-2004	1534	TB	M-SCOPE	16.27	0.00	1.18	15.09	1347.11
20-Apr-2004	1419	TB	M-SCOPE	15.08	0.00	1.18	13.90	1348.30
26-Jul-2004	1244	TB	M-SCOPE	13.66	0.00	1.18	12.48	1349.72
27-Oct-2004	1439	TB	M-SCOPE	16.08	0.00	1.18	14.90	1347.30
21-Jan-2005	1333	TB	M-SCOPE	15.66	0.00	1.18	14.48	1347.72
06-Apr-2005	1328	TB	M-SCOPE	14.51	0.00	1.18	13.33	1348.87
20-Jul-2005	1320	TB	M-SCOPE	15.85	0.00	1.18	14.67	1347.53
21-Oct-2005	939	DR	M-SCOPE	15.43	0.00	1.18	14.25	1347.95
18-Jan-2006	1518	DR	M-SCOPE	16.18	0.00	1.18	15.00	1347.20
21-Apr-2006	947	DR	M-SCOPE	16.99	0.00	1.18	15.81	1346.39
20-Jul-2006	1421	DR	M-SCOPE	19.60	0.00	1.18	18.42	1343.78
23-Oct-2006	1349	DR	M-SCOPE	18.77	0.00	1.18	17.59	1344.61
23-Jan-2007	1259	DR	M-SCOPE	18.60	0.00	1.18	17.42	1344.78
09-Apr-2007	1219	DR	M-SCOPE	17.85	0.00	1.18	16.67	1345.53
20-Jul-2007	944	DR	M-SCOPE	14.91	0.00	1.18	13.73	1348.47
25-Oct-2007	1517	DR	M-SCOPE	16.61	0.00	1.18	15.43	1346.77
10-Jan-2008	1508	DR	M-SCOPE	16.68	0.00	1.18	15.50	1346.70
03-Apr-2008	1305	DR	M-SCOPE	16.21	0.00	1.18	15.03	1347.17
21-Jul-2008	1106	DR	M-SCOPE	15.05	0.00	1.18	13.87	1348.33
21-Oct-2008	934	DR	M-SCOPE	13.24	0.00	1.18	12.06	1350.14
20-Jan-2009	949	DR	M-SCOPE	15.17	0.00	1.18	13.99	1348.21
10-Apr-2009	828	DR	M-SCOPE	14.08	0.00	1.18	12.90	1349.30
21-Jul-2009	1223	DR	M-SCOPE	14.55	0.00	1.18	13.37	1348.83
21-Oct-2009	922	DR	M-SCOPE	14.44	0.00	1.18	13.26	1348.94
15-Jan-2010	1020	DR	M-SCOPE	15.10	0.00	1.18	13.92	1348.28
16-Apr-2010	1023	DR	M-SCOPE	15.37	0.00	1.18	14.19	1348.01
15-Jul-2010	1237	DR	M-SCOPE	11.77	0.00	1.18	10.59	1351.61
19-Oct-2010	1233	DR	M-SCOPE	15.74	0.00	1.18	14.56	1347.64
21-Jan-2011	903	DR	M-SCOPE	16.46	0.00	1.18	15.28	1346.92
08-Apr-2011	925	DR	M-SCOPE	17.04	0.00	1.18	15.86	1346.34
22-Jul-2011	1733	DR	M-SCOPE	20.26	0.00	1.18	19.08	1343.12
19-Oct-2011	1429	DR	M-SCOPE	19.89	0.00	1.18	18.71	1343.49
16-Jan-2012	1026	DR	M-SCOPE	19.18	0.00	1.18	18.00	1344.20
02-Mar-2012	1245	DR	M-SCOPE	18.55	0.00	1.18	17.37	1344.83
26-Apr-2012	1448	DR	M-SCOPE	16.79	0.00	1.18	15.61	1346.59
31-Jul-2012	1113	DR	M-SCOPE	22.08	0.00	1.18	20.90	1341.30
18-Oct-2012	1234	DR	M-SCOPE	20.28	0.00	1.18	19.10	1343.10

**APPENDIX E –
KEY GROUNDWATER QUALITY PARAMETER DATA**

IW-01C



IW-02C

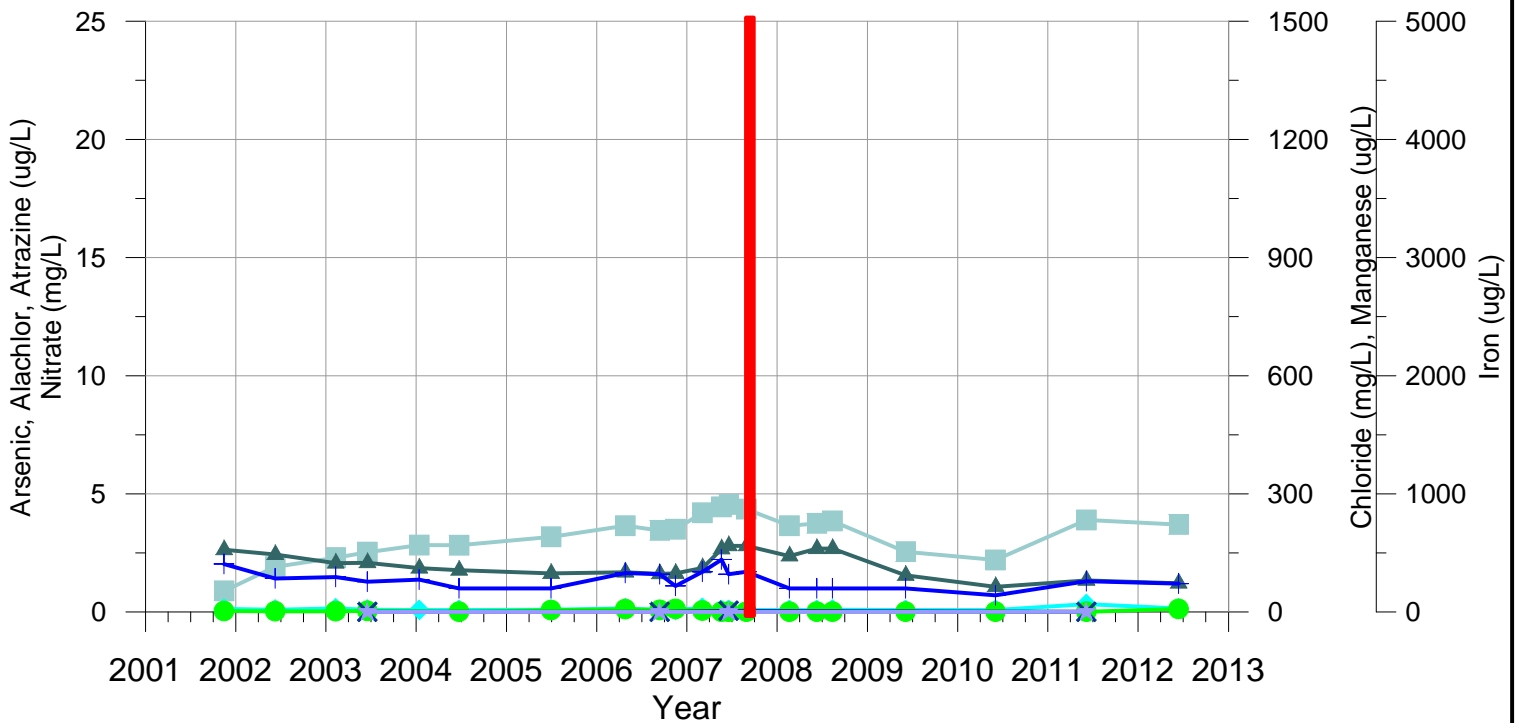
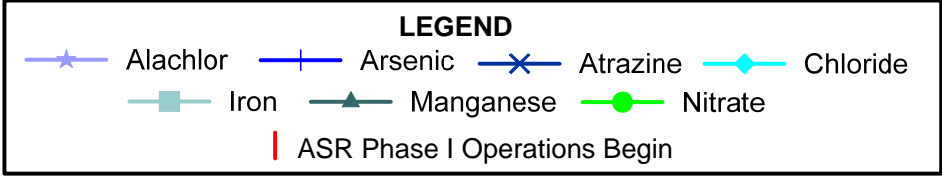
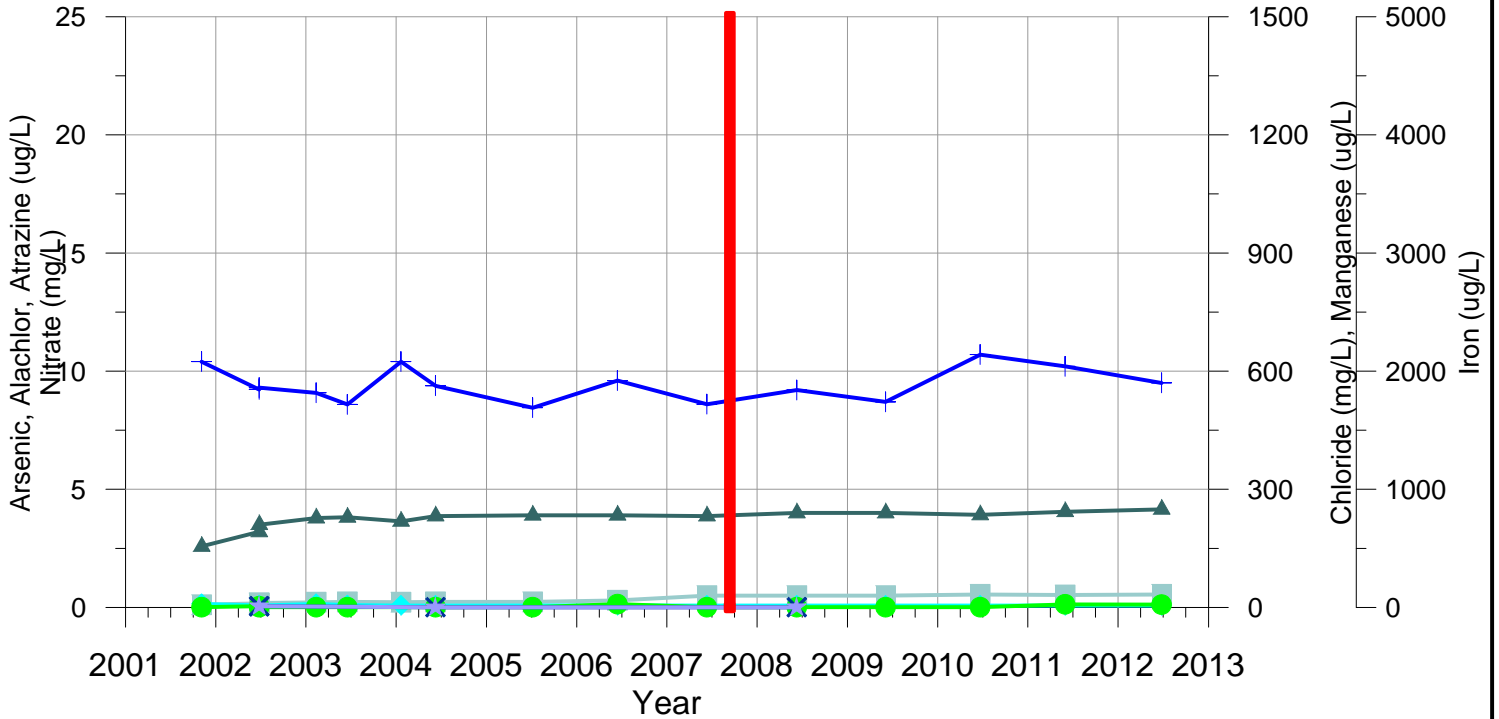


Figure E.1
INDEX WELL WATER QUALITY
IW-01C & IW-02C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³			
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	11/19/2001	1235	56.4	1411.50										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	11/19/2001	1236			12	6	0.07	144	20.2					
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/27/2002	1205	55.23	1412.67					<	0.05	<	0.05		
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/27/2002	1206			12.1	<	5	0.04	164	37				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/27/2002	1207								0.06				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	2/11/2003	1220	57.92	1416.19										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	2/11/2003	1221			13	8	0.03	230	75.9					
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/19/2003	1105	51.32	1422.79					<	0.007	<	0.0045		
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/19/2003	1106			12.1	<	5	0.05	243	83				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/19/2003	1110	51.32	1432.79										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	1/13/2004	1240	56.63	1417.48										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	1/13/2004	1241			15.1	<	5	251.9	92.1					
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	7/1/2004	1105	55.19	1418.92										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	7/1/2004	1106			16.2	<	5	0.05	280	181				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/28/2005	1255	50.1	1424.01										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/28/2005	1256			14.4	<	5	1.94	297	192				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	5/19/2006	1225	56.69	1417.42					<	0.05	<	0.05		
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	5/19/2006	1226			19.9	<	5	0.12	312	230				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/19/2007	1215	50.3	1423.81					<	0.007	<	0.005		
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/19/2007	1216			15	<	5	0.01	296	180				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/19/2007	1220	50.3	1423.81										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/9/2008	1105	50.82	1423.29										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/9/2008	1106			15	<	5	0.01	310	200				
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/3/2009	1200	48.88	1425.23										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/3/2009	1201			15	<	5	<	0.01	327	290			
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/3/2010	1135	52.27	1421.84										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/3/2010	1136			15.9	<	5	<	0.01	308	320			
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/6/2011	1200	57.03	1417.08					<	0.008	<	0.008		
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/6/2011	1201			17.5	<	5	<	0.01	336	376			
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/13/2012	1140	61.51	1412.60										
380421097385002	23S 03W 03CCCC02 IW-01C DEEP	6/13/2012	1141			15.6	<	5	0.11	336	390				
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	11/15/2001	1215	36.68	1411.12										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	11/15/2001	1216			2.03	8	0.04	158	178					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/10/2002	1150	36.14	1411.66										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/10/2002	1151			1.42	6	0.03	146	383					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	2/10/2003	1210	37.9	1411.60										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	2/10/2003	1211			1.48	9	0.03	124	460					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/18/2003	1155	33.43	1416.07					<	0.007	<	0.0045		
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/18/2003	1156			1.28	6	0.05	125	506					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/18/2003	1200	33.43	1416.07										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	1/14/2004	1140	36.94	1412.56										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	1/14/2004	1141			1.37	<	5	111.3	566.6					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/23/2004	1035	37.02	1412.48										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/23/2004	1036			<	1	<	5	0.01	106	565			
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/23/2004	1040	37.02	1412.48										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/30/2005	1045	35.05	1414.45										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/30/2005	1046			<	1	6	0.08	98	636				
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	4/27/2006	1240	39.17	1410.33										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	4/27/2006	1241			1.65	9.3	0.12	101	730					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	9/13/2006	1205	48.76	1400.74					<	0.007	<	0.005		
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	9/13/2006	1206			1.6	5.2	0.09	97	690					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	9/13/2006	1210	48.76	1400.74										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	11/16/2006	1135	40.6	1408.90										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	11/16/2006	1136			1.1	5.3	0.13	98	700					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	3/5/2007	1130	40.12	1409.38										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	3/5/2007	1131			1.7	10	0.06	112	840					
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	5/21/2007	1205	31.05	1418.45										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	5/21/2007	1206			2.22	<	5	<	0.01	160	890			
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/19/2007	1210	27.53	1421.97						0.0518	<	0.005		
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/19/2007	1211			1.6	<	5	<	0.01	168	910			
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/19/2007	1215	27.53	1421.97										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	8/30/2007	1135	46.87	1402.63										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	8/30/2007	1136			1.7	<	5	<	0.01	168	870			
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	2/20/2008	1120	32.2	1417.30										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	2/20/2008	1121			<	1	<	5	<	0.01	142	730		
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/10/2008	1135	33.45	1416.05										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/10/2008	1136			<	1	<	5	<	0.01	161	750		
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	8/12/2008	930	40.69	1408.81										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	8/12/2008	931			<	1	6	<	0.01	161	770			
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/4/2009	1125	31.55	1417.95										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/4/2009	1126			<	1	<	5	<	0.01	93	510		
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/3/2010	1205	32.61	1416.89										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/3/2010	1206			0.706	5.2	<	0.01	64	440				
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/6/2011	1120	37.13	1412.37						0.008	0.009			
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/6/2011	1121			1.3	20	<	0.01	80.4	779				
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/13/2012	1130	44.77	1404.73										
380329097363702	23S 03W 12CCCC02 IW-02C DEEP	6/13/2012	1131			1.2	9	0.13	73	740					

IW-03C



IW-04C

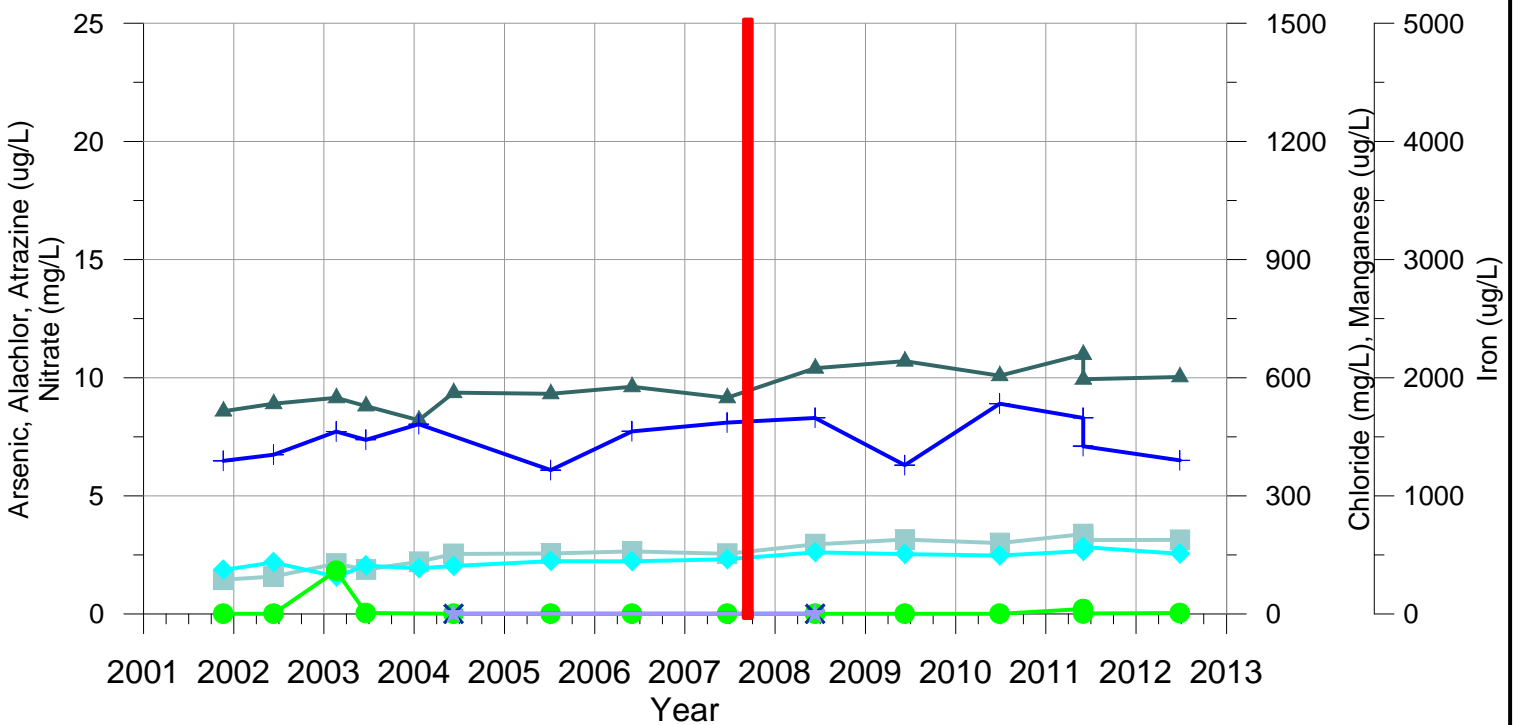
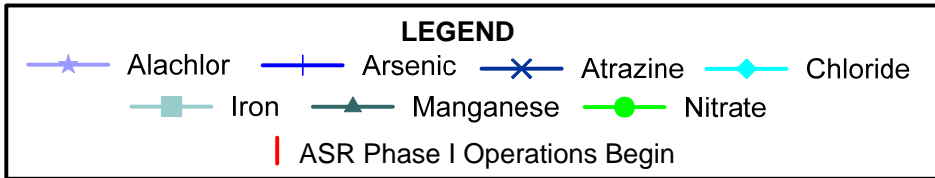
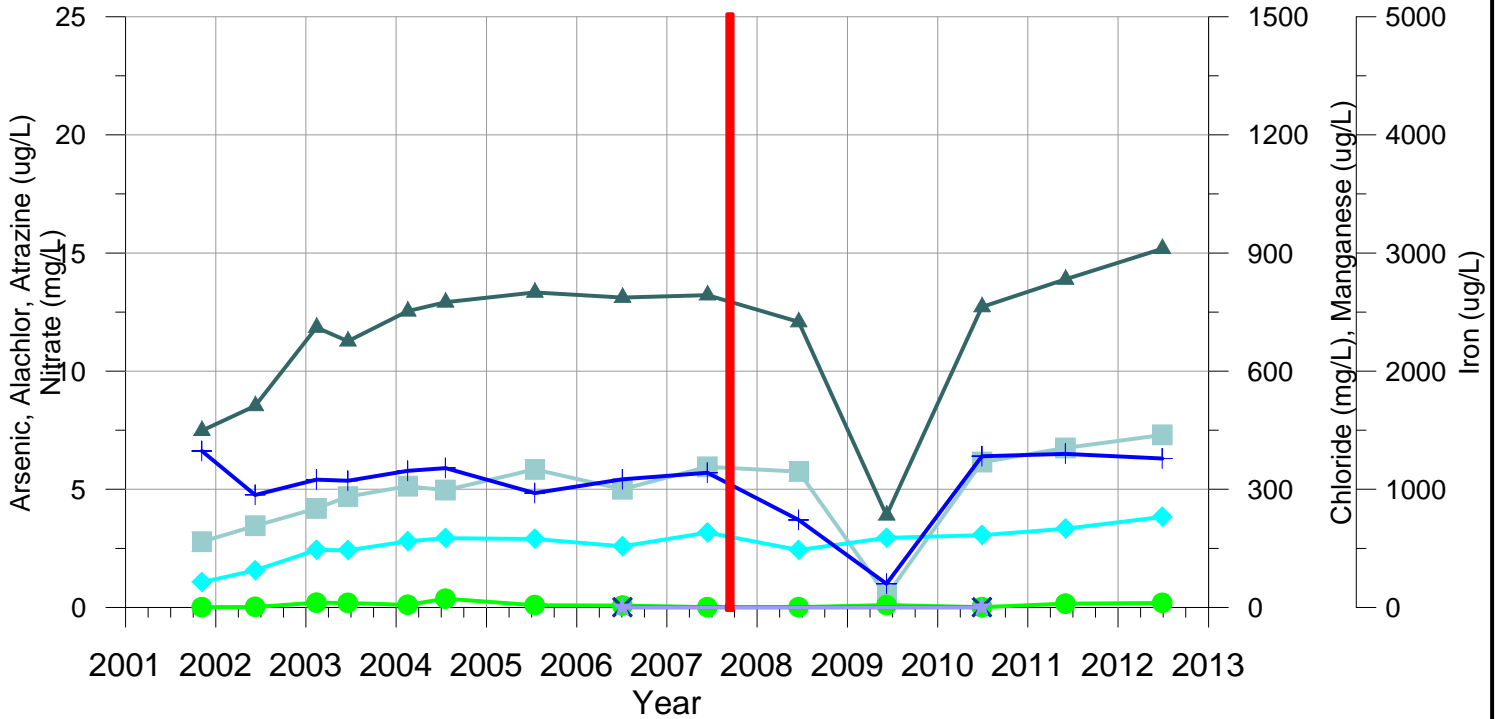


Figure E.2
INDEX WELL WATER QUALITY
IW-03C & IW-04C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
380328097342502	23S 02W 17888B02 IW-03C DEEP	11/5/2001	1230	12.06	1393.87							
380328097342502	23S 02W 17888B02 IW-03C DEEP	11/5/2001	1231			10.4	9	< 0.01	155	22.2		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/26/2002	1150	12.13	1393.80	9.223	5.4	< 0.05	191.942	35.596	< 0.05	< 0.05
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/26/2002	1151			9.3	5	< 0.01	210	37.8		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/26/2002	1152								< 0.05	
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/26/2002	1153									
380328097342502	23S 02W 17888B02 IW-03C DEEP	2/12/2003	1135	12.55	1394.89							
380328097342502	23S 02W 17888B02 IW-03C DEEP	2/12/2003	1136			9.08	9	< 0.01	227	43.4		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/18/2003	1040	9.14	1398.30							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/18/2003	1041			8.59	6	< 0.01	229	46.8		
380328097342502	23S 02W 17888B02 IW-03C DEEP	1/21/2004	1100	11.16	1396.28							
380328097342502	23S 02W 17888B02 IW-03C DEEP	1/21/2004	1101			10.4	5		218.7	44.2		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/9/2004	1050	15.47	1391.97						< 0.007	< 0.005
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/9/2004	1051			9.38	5	< 0.01	232	47		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/9/2004	1055	15.47	1391.97							
380328097342502	23S 02W 17888B02 IW-03C DEEP	7/7/2005	930	10.18	1397.26							
380328097342502	23S 02W 17888B02 IW-03C DEEP	7/7/2005	931			8.45		< 0.01	234	47		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/15/2006	1145	20.64	1386.80							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/15/2006	1146			9.6	5.3	0.14	234	60		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/12/2007	1130	12.07	1395.37							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/12/2007	1131			8.6	< 5	< 0.01	232	< 100		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/10/2008	1115	10.49	1396.95						< 0.007	< 0.006
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/10/2008	1116			9.2	< 5	< 0.01	240	< 100		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/10/2008	1120	10.49	1396.95							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/4/2009	1110	9.01	1398.43							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/4/2009	1111			8.7	< 5	< 0.01	240	100		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/22/2010	1110	10.79	1396.65							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/22/2010	1111			10.7	< 5	< 0.01	235	110		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/1/2011	1120	12.51	1394.93							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/1/2011	1121			10.2	< 5	0.13	243	105		
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/25/2012	1110	16.86	1390.58							
380328097342502	23S 02W 17888B02 IW-03C DEEP	6/25/2012	1111			9.5	< 5	0.12	249	110		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	11/20/2001	1255	20.75	1422.27							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	11/20/2001	1256			6.48	112	< 0.01	515	290		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/11/2002	1300	20.73	1422.29							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/11/2002	1301			6.74	131	< 0.01	534	317		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	2/20/2003	1055	22.47	1419.89							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	2/20/2003	1056			7.72	95	1.83	549	426		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/20/2003	940	20.92	1421.44							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/20/2003	941			7.37	123	0.04	528	376		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	1/20/2004	1025	22.07	1420.29							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	1/20/2004	1026			8.03	116		492	442		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/9/2004	940	25.28	1417.08						< 0.007	< 0.005
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/9/2004	941				122	< 0.01	562	508		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/9/2004	945	25.28	1417.08							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	7/7/2005	1155	21.08	1421.28							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	7/7/2005	1156			6.09	134.4	< 0.01	559	512		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/1/2006	1305	22.92	1419.44							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/1/2006	1306			7.73	134	< 0.01	577	530		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/21/2007	1035	19.7	1422.66							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/21/2007	1036			8.1	139.1	< 0.01	549	510		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/11/2008	1205	18.75	1423.61						< 0.007	< 0.006
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/11/2008	1206			8.3	156.7	< 0.01	624	590		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/11/2008	1210	18.75	1423.61							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/9/2009	1145	16.79	1425.57							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/9/2009	1146			6.3	152.3	< 0.01	642	630		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/28/2010	1140	20.53	1421.83							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/28/2010	1141			8.9	148.3	< 0.01	605	600		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/1/2011	1136			8.3	160	0.21	659	676		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/1/2011	1140	19.71	1422.65	7.1	170	< 0.02	596	626		
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/26/2012	1205	26.91	1415.45							
380130097385002	23S 03W 278CBB02 IW-04C DEEP	6/26/2012	1210			6.5	153	< 0.04	602	627		

IW-05C



IW-06C

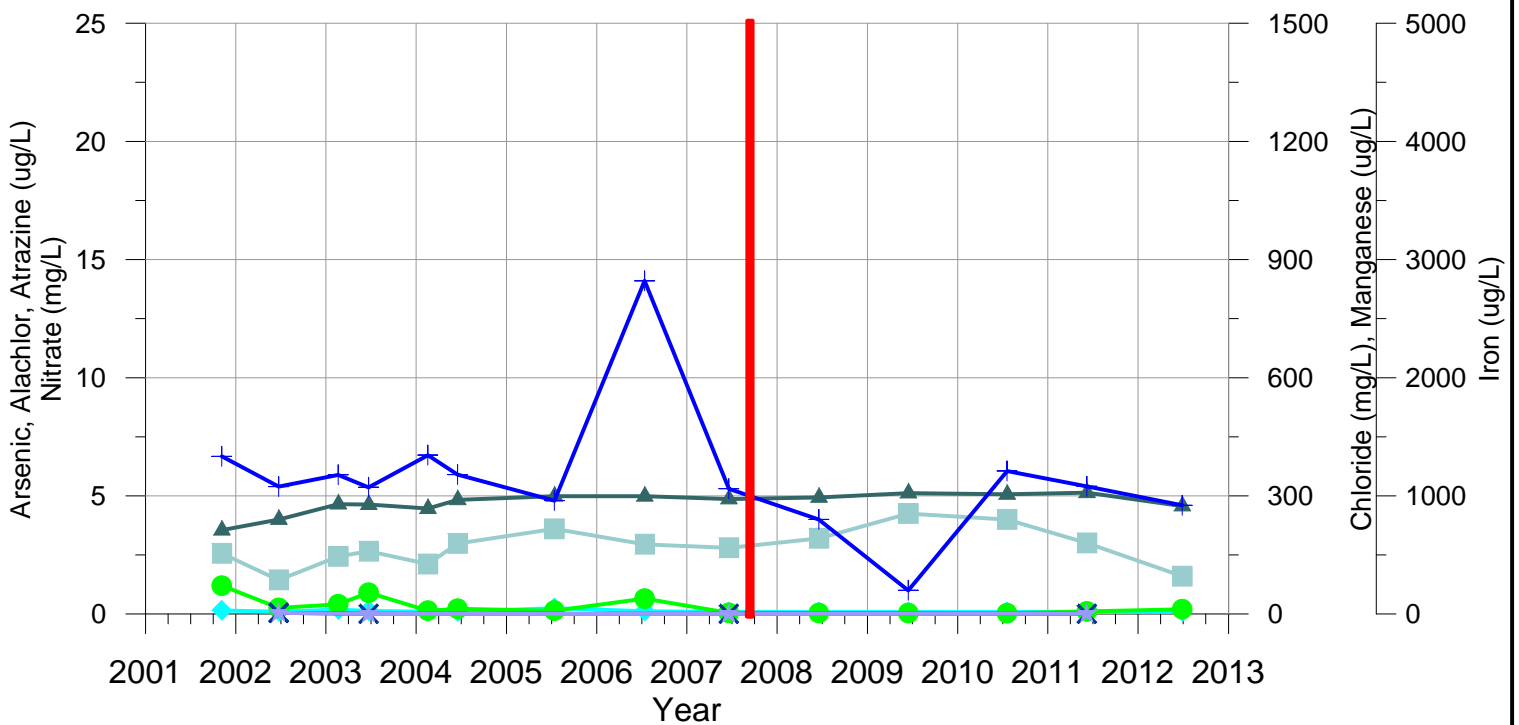
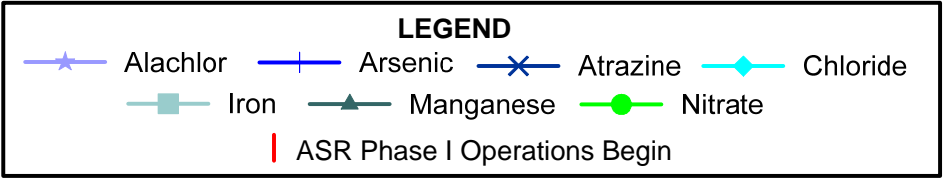
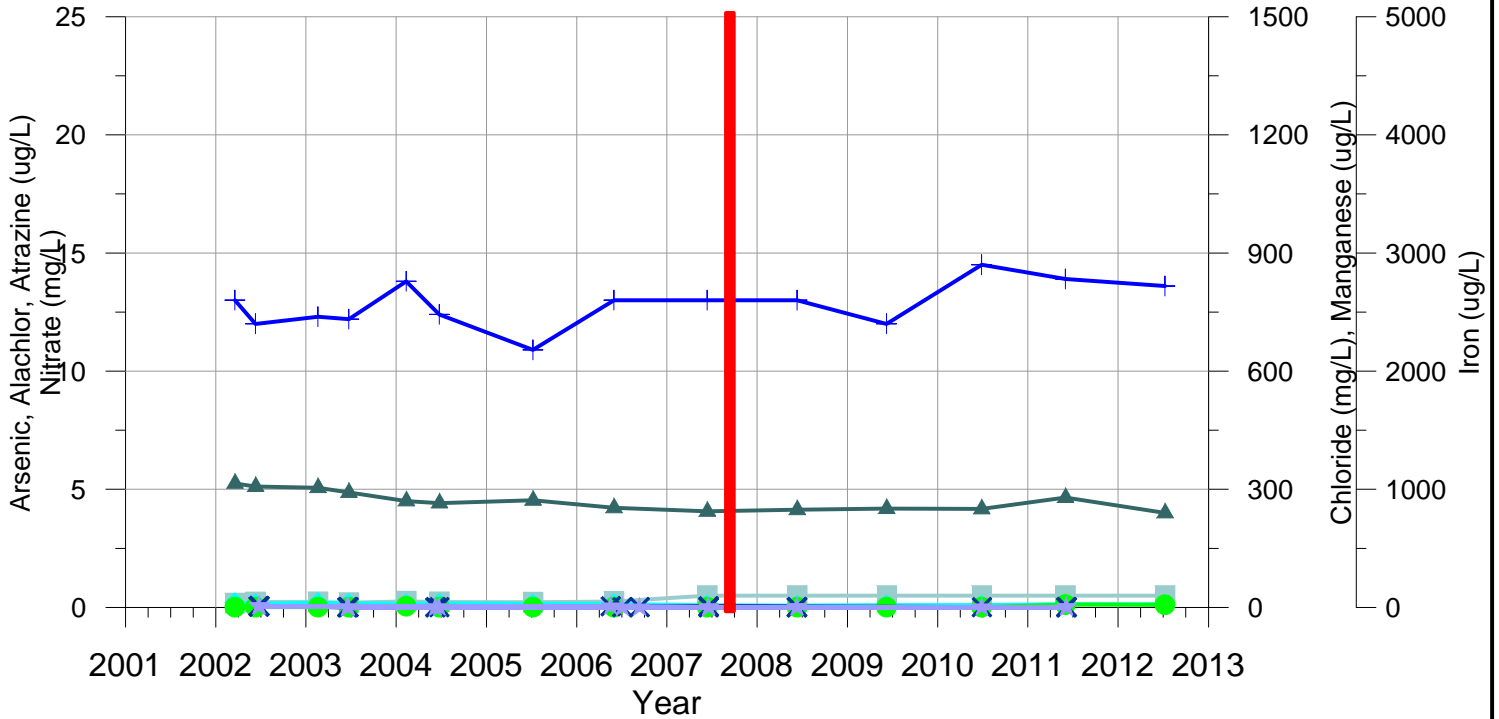


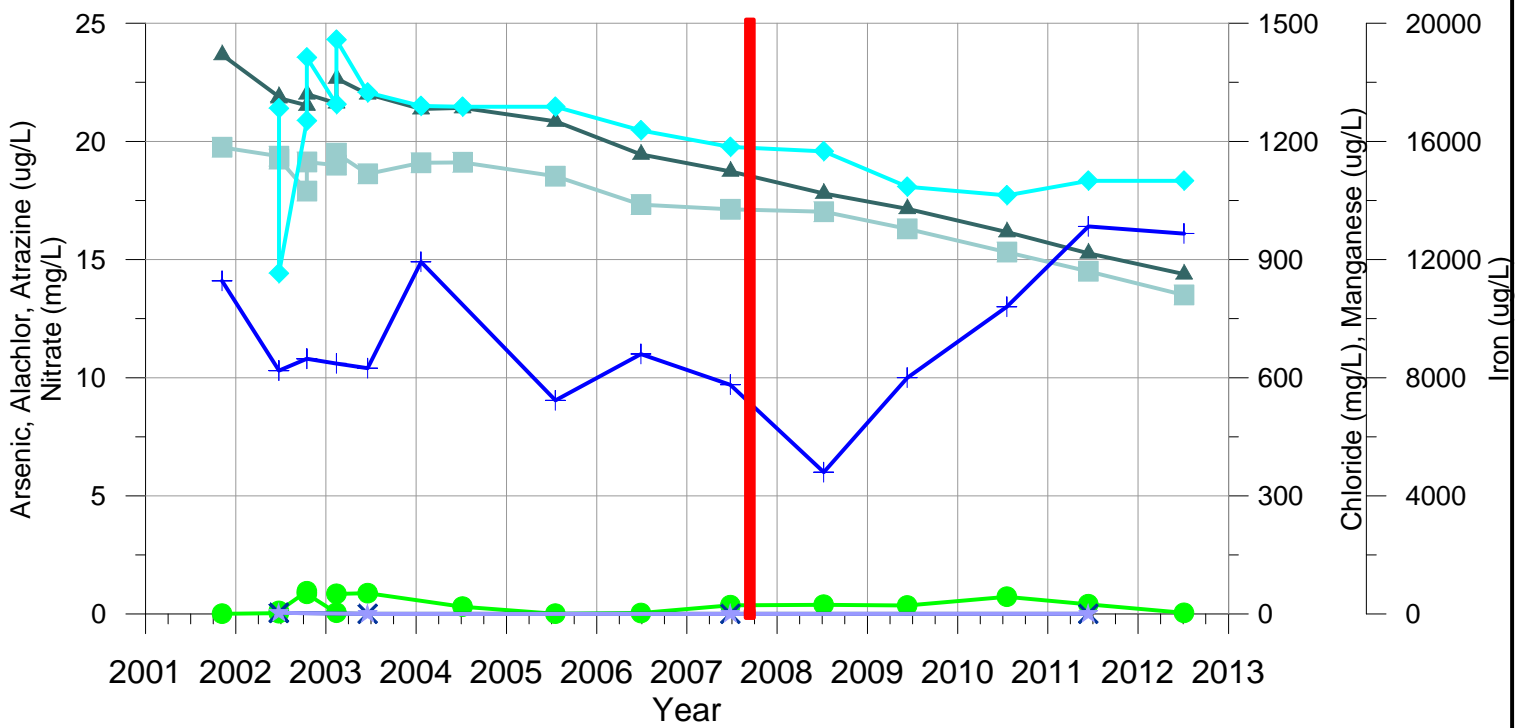
Figure E.3
INDEX WELL WATER QUALITY
IW-05C & IW-06C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	11/6/2001	1240	26.8	1411.65							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	11/6/2001	1241			6.62	64	< 0.01	449	556		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/10/2002	1210	25.72	1412.73							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/10/2002	1211			4.76	94	0.02	512	691		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	2/13/2003	1155	27.78	1414.80							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	2/13/2003	1156			5.41	146	0.2	711	838		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/20/2003	1055	26.58	1416.00							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/20/2003	1056			5.36	145	0.19	676	938		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	2/17/2004	1250	27.33	1415.25							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	2/17/2004	1251			5.78	168	0.11	752.2	1025.7		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	7/19/2004	1130	39.65	1402.93							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	7/19/2004	1131			5.9	176	0.37	775	993		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	7/15/2005	1130	31.41	1411.17							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	7/15/2005	1131			4.84	174	0.095	800	1168		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	7/5/2006	1210	36.03	1406.55						0.0093	< 0.005
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	7/5/2006	1211			5.42	155	0.08	787	1000		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	7/5/2006	1215	36.03	1406.55							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/14/2007	1155	23.7	1418.88							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/14/2007	1156			5.7	190	0.01	793	1190		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/17/2008	1145									
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/17/2008	1220	25.07	1417.51							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/17/2008	1221			3.7	145.8	0.01	725	1150		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/8/2009	1225	22.11	1420.47							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/8/2009	1226			< 1	176.6	0.1	234	100		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/29/2010	1205	31.13	1411.45						0.0112	< 0.008
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/29/2010	1206			6.4	183.6	< 0.01	763	1230		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/29/2010	1210	31.13	1411.45							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/2/2011	1115	24.85	1417.73							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/2/2011	1116			6.5	200	0.16	833	1350		
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/28/2012	1205	35.93	1406.65							
380144097371102	23S 03W 23DCCC02 IW-05C DEEP	6/28/2012	1206			6.3	230	0.19	911	1460		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	11/6/2001	1320	33.78	1397.27							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	11/6/2001	1321			6.67	9	1.2	213	513		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/24/2002	1225	30.79	1400.26						< 0.05	< 0.05
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/24/2002	1226			5.39	6	0.26	240	288		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/24/2002	1227								< 0.05	
380143097344202	23S 02W 30AAB02 IW-06C DEEP	2/20/2003	1140	33.61	1398.72							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	2/20/2003	1141			5.89	11	0.41	279	487		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/23/2003	1105	38.38	1393.95						< 0.007	< 0.0045
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/23/2003	1106			5.36	8	0.9	278	531		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/23/2003	1110	38.38	1393.95							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	2/18/2004	1155	30.9	1401.43							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	2/18/2004	1156			6.72	6	0.14	267.7	422.7		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/17/2004	1105	36.26	1396.07							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/17/2004	1106			5.9	6	0.22	290	597		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/17/2004	1110	36.26	1396.07							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	7/14/2005	950	45.59	1386.74							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	7/14/2005	951			4.8	14.8	0.14	299	721		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	7/14/2006	1150	48.07	1384.26							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	7/14/2006	1151			14.1	7.1	0.65	299	590		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/20/2007	1225	31.88	1400.45						< 0.007	< 0.005
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/20/2007	1226			5.3	< 5	0.05	292	560		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/20/2007	1230	31.88	1400.45							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/18/2008	1145	31.94	1400.39							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/18/2008	1146			4	< 5	0.04	296	640		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/15/2009	1140	28.67	1403.66							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/15/2009	1141			< 1	< 5	0.04	307	850		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	7/20/2010	1225	41.61	1390.72							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	7/20/2010	1226			6.05	< 5	0.03	304	800		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/8/2011	1225	29.34	1402.99						< 0.008	< 0.008
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/8/2011	1226			5.4	5.4	0.11	308	601		
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/28/2012	1100	43.53	1388.80							
380143097344202	23S 02W 30AAB02 IW-06C DEEP	6/28/2012	1101			4.6	5.6	0.2	274	320		

IW-07C



IW-08C



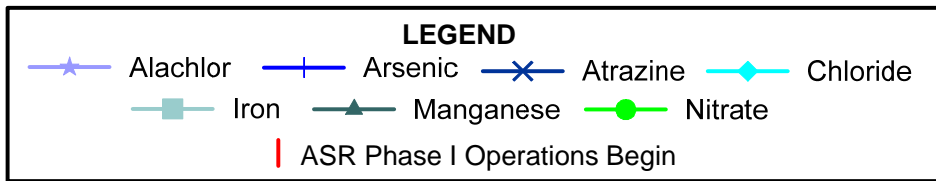
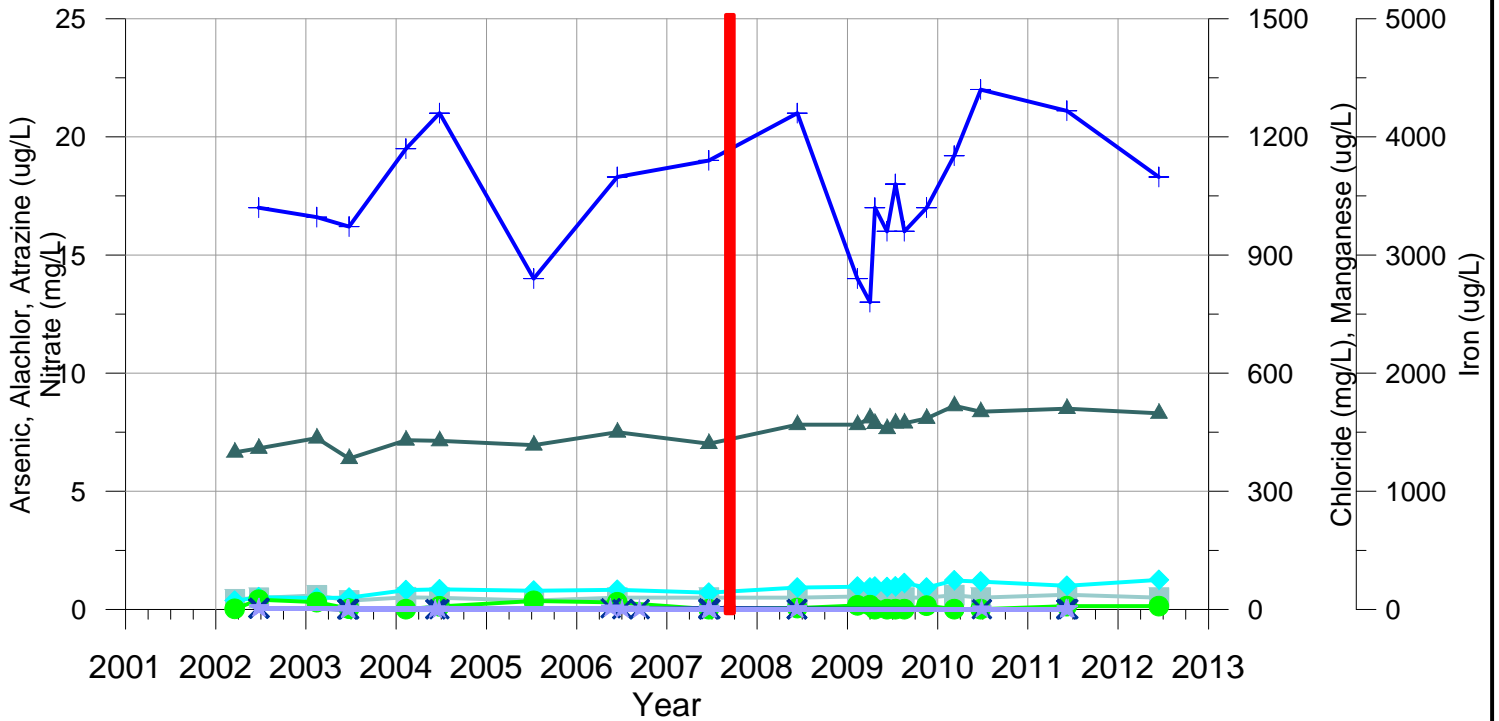
IW-08C Iron vertical scale varies from other graphs.



Figure E.4
INDEX WELL WATER QUALITY
IW-07C & IW-08C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³	
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	3/20/2002	1300	44.1	1380.25							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	3/20/2002	1301			13	12 <	0.01	315	35.3		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/11/2002	1125	42.22	1382.13							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/11/2002	1126			12	9 <	0.01	307	45.6		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	2/19/2003	1220	45.34	1381.23							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	2/19/2003	1221			12.3	12 <	0.01	304	46		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/24/2003	1030	51.36	1375.21							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/24/2003	1031			12.2	10	0.01	292	39.9		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	2/11/2004	1135	44.92	1381.65							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	2/11/2004	1136			13.8	9	0.05	270.3	51.5		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/24/2004	1115	44.88	1381.69					0.0071 <	0.005	
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/24/2004	1116			12.4	10 <	0.01	265	46		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/24/2004	1120	44.88	1381.69							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	7/8/2005	1050	50.18	1376.39							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	7/8/2005	1051			10.9	8.9 <	0.01	272	44		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/1/2006	1135	47.86	1378.71							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/1/2006	1136			13	9 <	0.01	253 <	50		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/13/2007	1350	41	1385.57							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/13/2007	1351			13	5.7 <	0.01	244 <	100		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/11/2008	1110	45.83	1380.74					<	0.007 <	0.006
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/11/2008	1111			13 <	5 <	0.01	248 <	100		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/11/2008	1115	45.83	1380.74							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/8/2009	1145	40.89	1385.68							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/8/2009	1146			12	6.1 <	0.01	251 <	100		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/28/2010	1150	46.44	1380.13							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/28/2010	1151			14.5	6 <	0.01	250 <	100		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/2/2011	1120	41.3	1385.27							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	6/2/2011	1121			13.9	8.4	0.12	279 <	100		
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	7/9/2012	1150	62.39	1364.18							
380051097330902	23S 02W 28CCDC02	IW-07C DEEP	7/9/2012	1151			13.6	8.4	0.11	240 <	100		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	11/7/2001	1255	14.21	1423.89							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	11/7/2001	1256			14.1	<	0.01	1420	15800		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/25/2002	1245	14.46	1423.64	10.3	1283.8 <	0.034	1313.33	15498 <	0.05 <	0.05
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/25/2002	1246			10.3 E	865	0.13	1310	15400		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/25/2002	1247							<	0.05	
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/25/2002	1248									
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	10/16/2002	1005	16.24	1421.86	10.801	1252.6	0.959	1291.66	14315		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	10/16/2002	1006			10.8	1413	0.85	1320	15300		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	10/16/2002	1007									
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	2/13/2003	1235	15.88	1423.76		1294.2 <	0.051	1297.13	15194		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	2/13/2003	1236			10.6 E	1458	0.85	1360	15600		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	2/13/2003	1237									
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/19/2003	1210	14.84	1424.80					<	0.007 <	0.0045
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/19/2003	1211			10.4	1324	0.88	1320	14900		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/19/2003	1215	14.84	1424.80							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	1/21/2004	1215	16.01	1423.63							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	1/21/2004	1216			14.9	1290		1282.2	15278		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/7/2004	1030	14.92	1424.72							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/7/2004	1031				1288	0.31	1285	15289		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/7/2004	1035	14.92	1424.72							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/18/2005	1045	13.77	1425.87							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/18/2005	1046			9.04	1288 <	0.01	1251	14821		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/18/2005	1051									
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/29/2006	1125	15.16	1424.48							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/29/2006	1126			11	1228	0.04	1167	13860		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/26/2007	1235	14.97	1424.67					<	0.007 <	0.005
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/26/2007	1236			9.7	1186	0.37	1124	13700		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/26/2007	1240	14.97	1424.67							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/8/2008	1120	13.03	1426.61							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/8/2008	1121			6	1174.7	0.39	1068	13620		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/11/2009	1210	11.16	1428.48							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/11/2009	1211			10	1084.9	0.36	1029	13040		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/19/2010	1205	10.9	1428.74							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/19/2010	1206			13	1063.1	0.73	970	12250		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/14/2011	1145	12.39	1427.25					<	0.008 <	0.008
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	6/14/2011	1146			16.4	1100	0.41	916	11600		
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/5/2012	1220	16.69	1422.95							
380016097384902	23S 03W 34CBCB02	IW-08C DEEP	7/5/2012	1221			16.1	1100 <	0.05	863	10800		

IW-09C



IW-10C

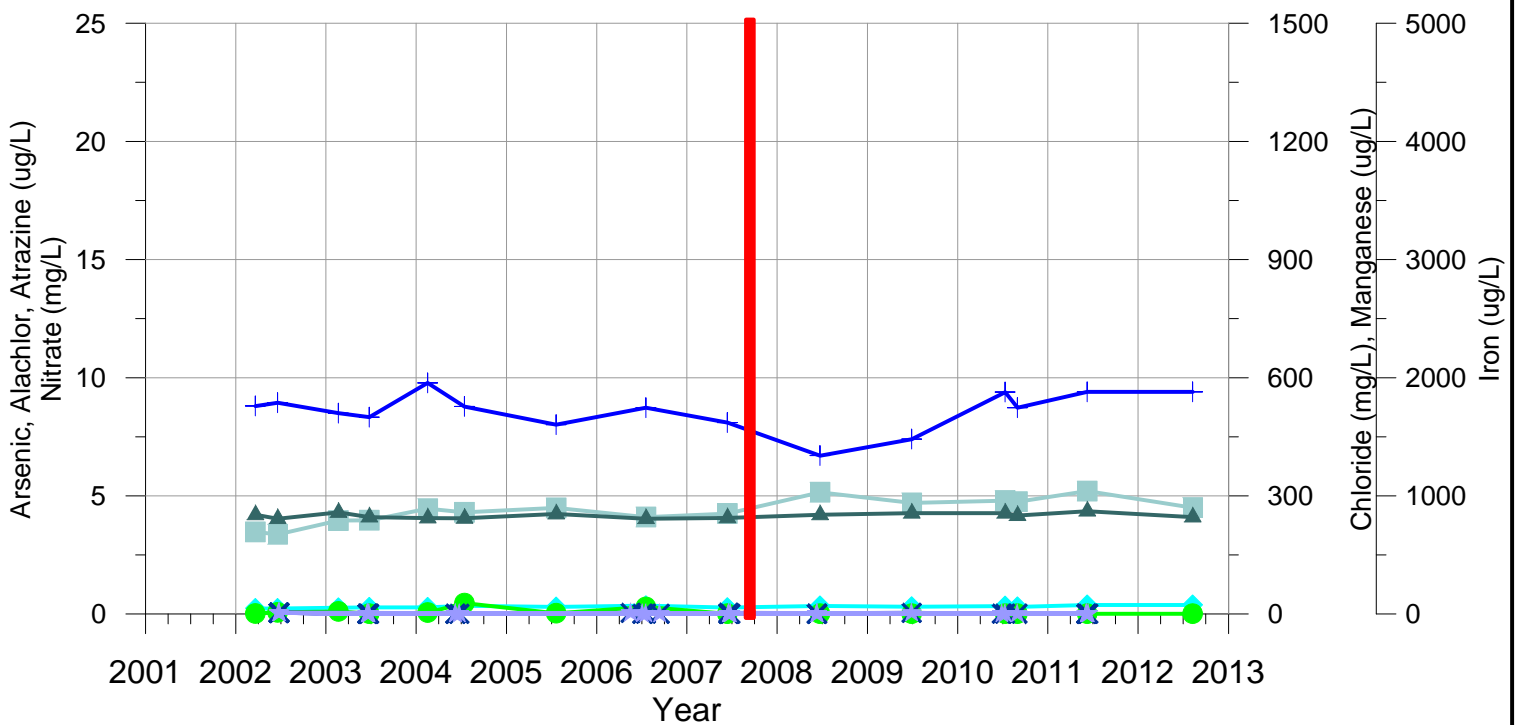
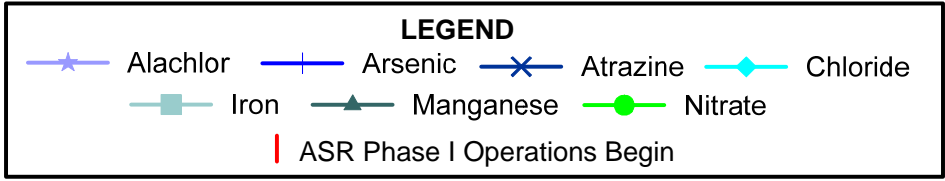
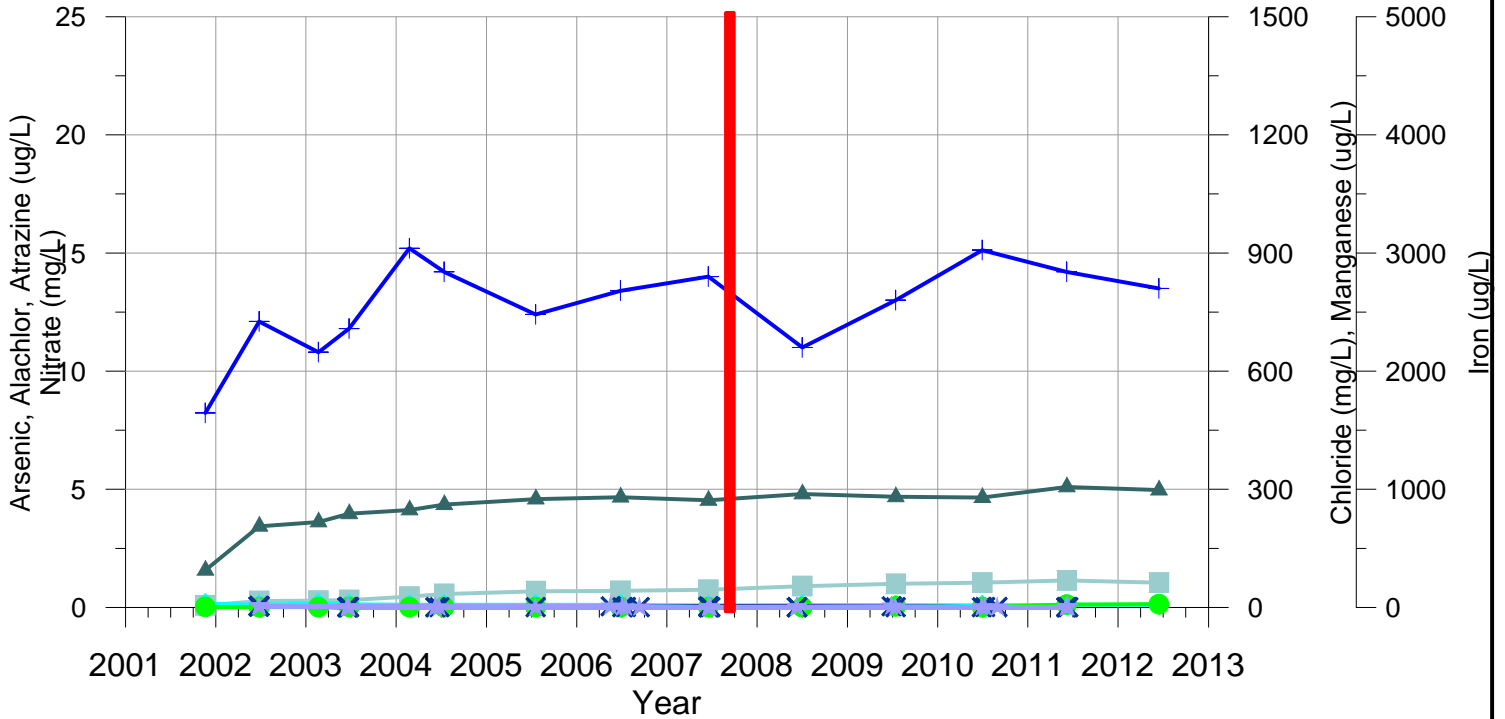


Figure E.5
INDEX WELL WATER QUALITY
IW-09C & IW-10C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	3/19/2002	1305	23.1	1404.70							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	3/19/2002	1306			16.9	22	0.02	399	84.5		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/24/2002	1045	26.23	1401.57							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/24/2002	1046			17	31	0.41	409	97.5		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	2/14/2003	1335	26.68	1404.53							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	2/14/2003	1336			16.6	29	0.31	435	119		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/25/2003	1135	27.15	1404.06						< 0.007	< 0.0045
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/25/2003	1136			16.2	30	0.03	383	74.4		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/25/2003	1140	27.15	1404.06							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	2/10/2004	1225	29.13	1402.08							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	2/10/2004	1226			19.5	49	< 0.01	429.7	102.4		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/25/2004	1130	27.38	1403.83							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/25/2004	1131			21	51	0.13	428	98		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/25/2004	1135	27.38	1403.83							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	7/11/2005	1030	29.33	1401.88							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	7/11/2005	1031			14	47.5	0.36	417	76		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/14/2006	1235	27.68	1403.53							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/14/2006	1236			18.3	49.8	0.3	450	100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/20/2007	1220	27.01	1404.20						< 0.007	< 0.005
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/20/2007	1221			19	42.4	< 0.01	421	< 100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/20/2007	1225	27.01	1404.20							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/12/2008	1110	25	1406.21							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/12/2008	1111			21	55.4	0.06	469	< 100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	2/10/2009	1125	22.97	1408.24							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	2/10/2009	1126			14	57.8	0.17	469	110		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	4/2/2009	1215	21.08	1410.13							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	4/2/2009	1216			13	55.5	0.18	486	110		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	4/22/2009	1200	23.14	1408.07							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	4/22/2009	1201			17	57.8	< 0.01	472	< 100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/10/2009	1120	23.03	1408.18							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/10/2009	1121			16	56.8	< 0.01	459	< 100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	7/14/2009	1150	24.26	1406.95							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	7/14/2009	1151			18	58.4	< 0.01	473	110		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	8/19/2009	1150	26.18	1405.03							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	8/19/2009	1151			16	66.9	< 0.01	473	< 100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	11/17/2009	1145	21.3	1409.91							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	11/17/2009	1146			17	55.6	0.16	485	100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	3/9/2010	1155	20.9	1410.31							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	3/9/2010	1156			19.2	73.5	0.01	517	120		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/24/2010	1145	21.18	1410.03							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/24/2010	1146			22	70.8	< 0.01	502	< 100		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/8/2011	1120	24.03	1407.18							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/8/2011	1121			21.1	60	0.14	510	125		
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/14/2012	1125	29.42	1401.79							
375958097363802	24S 03W 02AAAA02 IW-09C DEEP	6/14/2012	1126			18.3	75	0.14	498	< 100		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	3/22/2002	1210	35.63	1396.62							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	3/22/2002	1211			8.8	14	0.02	252	695		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/20/2002	1150	34.91	1397.34							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/20/2002	1151			8.94	14	0.07	242	674		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	2/21/2003	1210	38.83	1393.15							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	2/21/2003	1211			8.5	16	0.11	258	791		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/26/2003	1130	38.03	1393.95							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/26/2003	1131			8.33	17	< 0.01	246	793		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	2/17/2004	1215	38.98	1393.00							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	2/17/2004	1216			9.78	17	0.06	243.7	891.4		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/15/2004	1105	37.99	1393.99							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/15/2004	1106			8.78	21	0.46	243	860		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/15/2004	1111									
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/21/2005	1200	40.28	1391.70							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/21/2005	1201			8.01	18	0.03	254	898		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/19/2006	1155	40.93	1391.05						0.0145	< 0.005
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/19/2006	1156			8.73	21.1	0.3	242	820		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/19/2006	1200	40.93	1391.05							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/14/2007	1130	38.31	1393.67							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/14/2007	1131			8.1	16.3	< 0.01	244	850		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/23/2008	1115	35.35	1396.63							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/23/2008	1116			6.7	20.5	< 0.01	252	1030		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/29/2009	1125	34.23	1397.75						< 0.05	< 0.05
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/29/2009	1126			7.4	18.6	< 0.01	256	940		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/12/2010	1225	34.73	1397.25						0.0144	< 0.008
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/12/2010	1226			9.39	20.2	< 0.01	256	960		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	7/12/2010	1230	34.73	1397.25							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	8/31/2010	1150	37.87	1394.11						0.0133	< 0.008
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	8/31/2010	1151			8.73	18.2	< 0.01	250	950		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	8/31/2010	1155	37.87	1394.11							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/9/2011	1200	31.11	1400.87							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	6/9/2011	1201			9.4	23	< 0.01	261	1040		
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	8/9/2012	1010	42.87	1389.11							
375959097344202	23S 02W 31DDCC02 IW-10C DEEP	8/9/2012	1011			9.4	23	< 0.01	246	900		

IW-11C



IW-12C

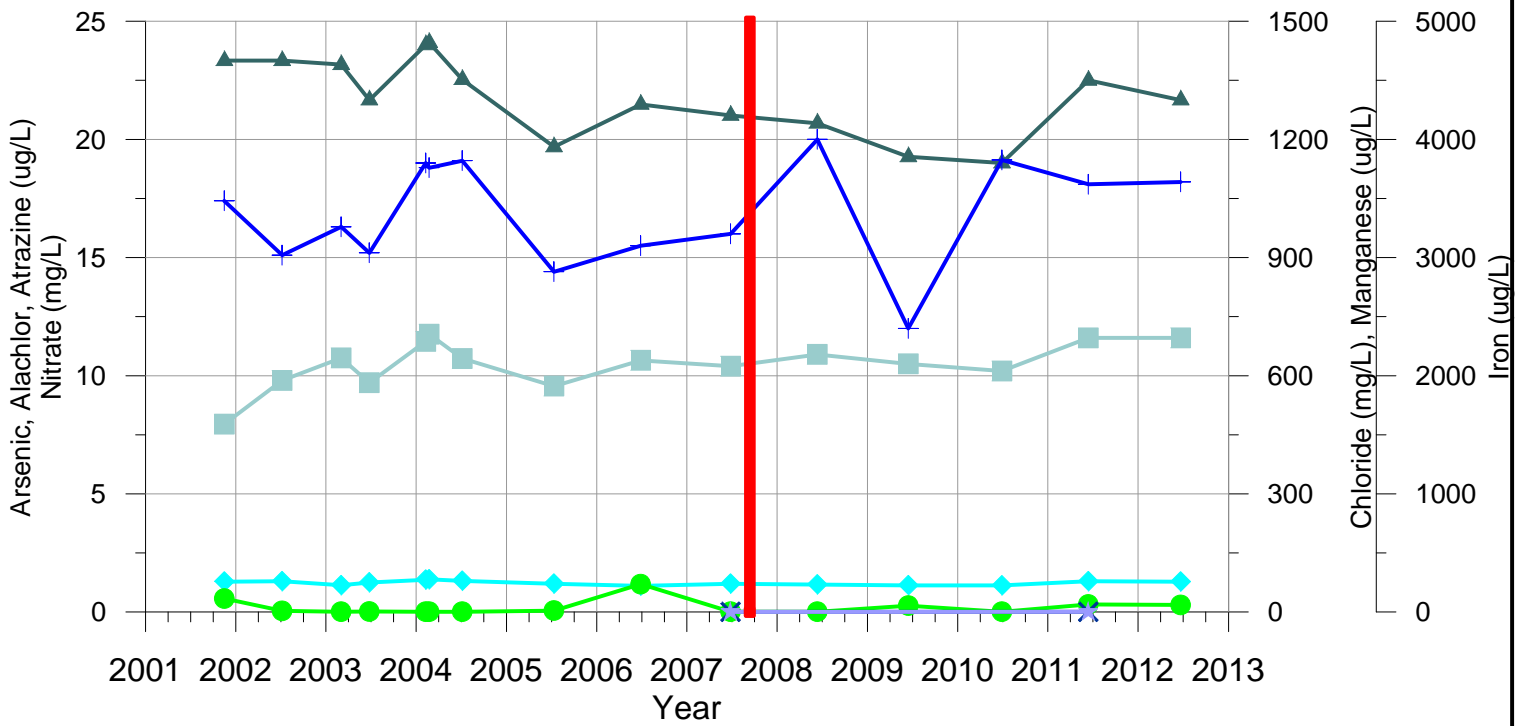
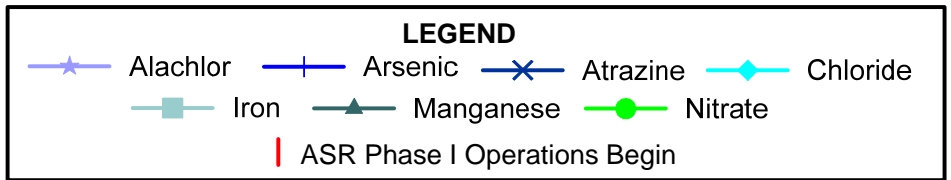
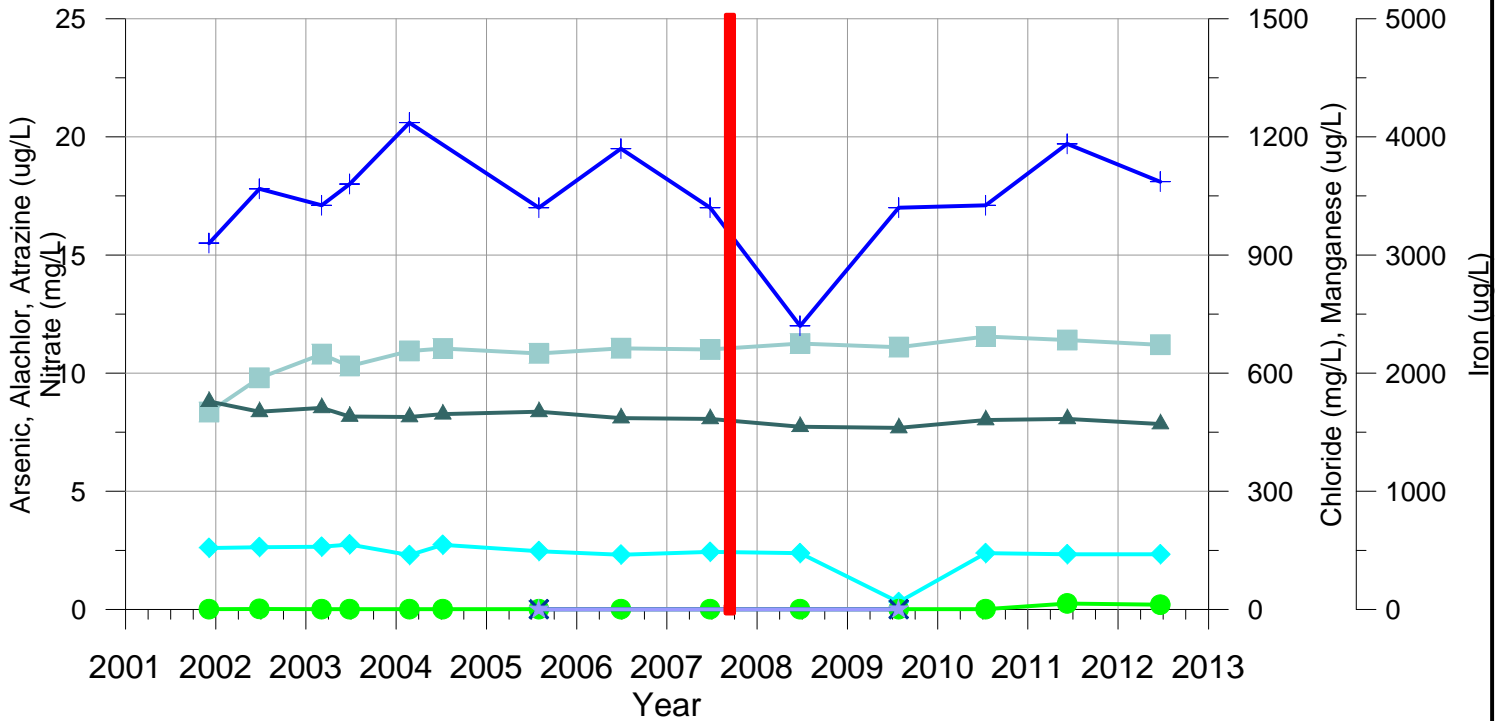


Figure E.6
INDEX WELL WATER QUALITY
IW-11C & IW-12C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	11/20/2001	1145	36.85	1374.75							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	11/20/2001	1146			8.23	10	0.02	94.5	17.4		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/26/2002	1135	35.93	1375.67							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/26/2002	1136			12.1	7 <	0.01	206	54.6		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	2/21/2003	1115	36.27	1379.50							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	2/21/2003	1116			10.8	10 <	0.01	217	58		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/25/2003	1050	40.53	1375.24							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/25/2003	1051			11.8	8	0.02	238	62.3		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	2/24/2004	1130	37.54	1378.23							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	2/24/2004	1131			15.2	7 <	0.01	247.5	91.5		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/14/2004	1105	39.81	1375.96							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/14/2004	1106			14.2	7 <	0.01	261	114		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/19/2005	1125	41.47	1374.30						< 0.007	< 0.005
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/19/2005	1126			12.4	7 <	0.01	275	137		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/19/2005	1130	41.47	1374.30							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/27/2006	1135	39.36	1376.41							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/27/2006	1136			13.4	6.6 <	0.01	280	140		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/18/2007	1220	33.77	1382.00							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/18/2007	1221			14	5.1 <	0.01	272	150		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/2/2008	1215	35.42	1380.35							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/2/2008	1216			11	5.9 <	0.01	288	180		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/15/2009	1130	39.17	1376.60						< 0.007	< 0.008
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/15/2009	1131			13	6	0.04	281	200		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	7/15/2009	1135	39.17	1376.60							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/30/2010	1115	36.58	1379.19							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/30/2010	1116			15.12	5.4 <	0.01	279	210		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/7/2011	1115	34.68	1381.09							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/7/2011	1116			14.2	6.8	0.12	306	228		
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/14/2012	1115	40.83	1374.94							
375932097321302	24S 02W 03CBBB02 IW-11C DEEP	6/14/2012	1116			13.5	6.7	0.14	298	210		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	11/16/2001	1210	19.75	1367.60							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	11/16/2001	1211			17.4	77	0.57	1400	1590		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/8/2002	1200	19.85	1367.50						< 0.05	< 0.05
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/8/2002	1201			15.1	78	0.05	1400	1960		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/8/2002	1202								< 0.05	
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	3/4/2003	1140	20.1	1367.29							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	3/4/2003	1141			16.3	68 <	0.01	1390	2150		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/26/2003	1050	19.32	1368.07						< 0.007	< 0.0045
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/26/2003	1051			15.2	75	0.02	1300	1940		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/26/2003	1055	19.32	1368.07							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	2/9/2004	1225	20.1	1367.29							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	2/9/2004	1226			19	82 <	0.01	1440	2290		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	2/23/2004	1155	19.84	1367.55							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	2/23/2004	1156			18.8	83 <	0.01	1445.7	2351.4		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/6/2004	1105	18.17	1369.22							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/6/2004	1106			19.1	79 <	0.01	1352	2145		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/6/2004	1110	18.17	1369.22							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/12/2005	1055	16.99	1370.40							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	7/12/2005	1056			14.4	71.8	0.06	1181	1912		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/28/2006	1200	19.98	1367.41							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/28/2006	1201			15.5	66.5	1.18	1289	2130		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/27/2007	1205	16.84	1370.55						< 0.007	< 0.005
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/27/2007	1206			16	71.7 <	0.01	1261	2080		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/27/2007	1210	16.84	1370.55							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/12/2008	1035	17.83	1369.56							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/12/2008	1036			20	69.8 <	0.01	1241	2180		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/15/2009	1135	16.66	1370.73							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/15/2009	1136			12	67.8	0.27	1156	2100		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/29/2010	1200	17.03	1370.36							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/29/2010	1201			19.13	67.6 <	0.01	1140	2040		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/14/2011	1140	20.11	1367.28						< 0.008	< 0.008
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/14/2011	1141			18.1	78	0.32	1350	2320		
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/21/2012	1050	20.6	1366.79							
375958097300002	24S 02W 01B8BB02 IW-12C DEEP	6/21/2012	1051			18.2	77	0.3	1300	2320		

IW-13C



IW-14C

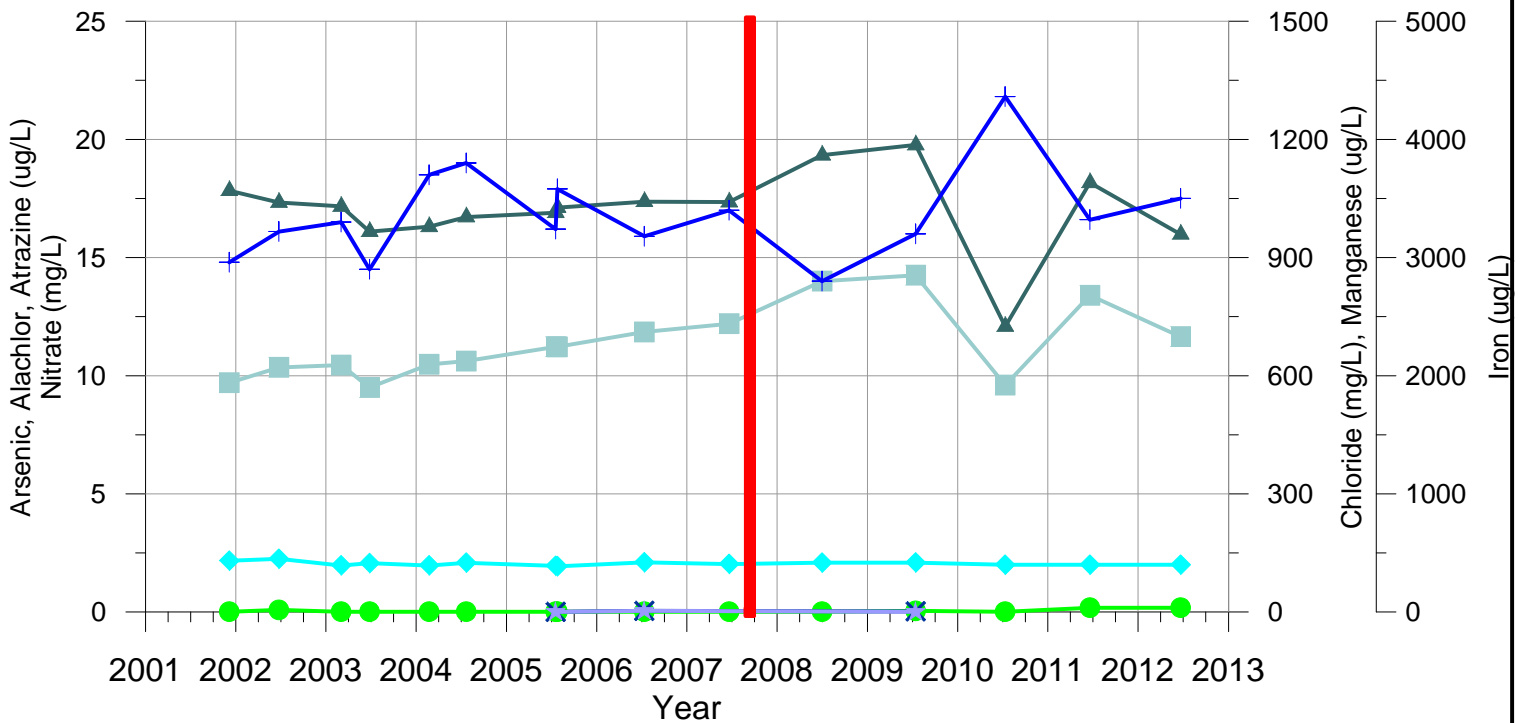
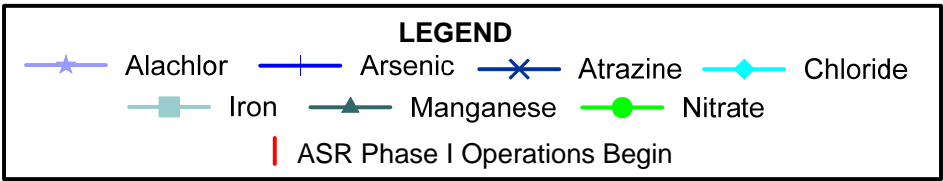
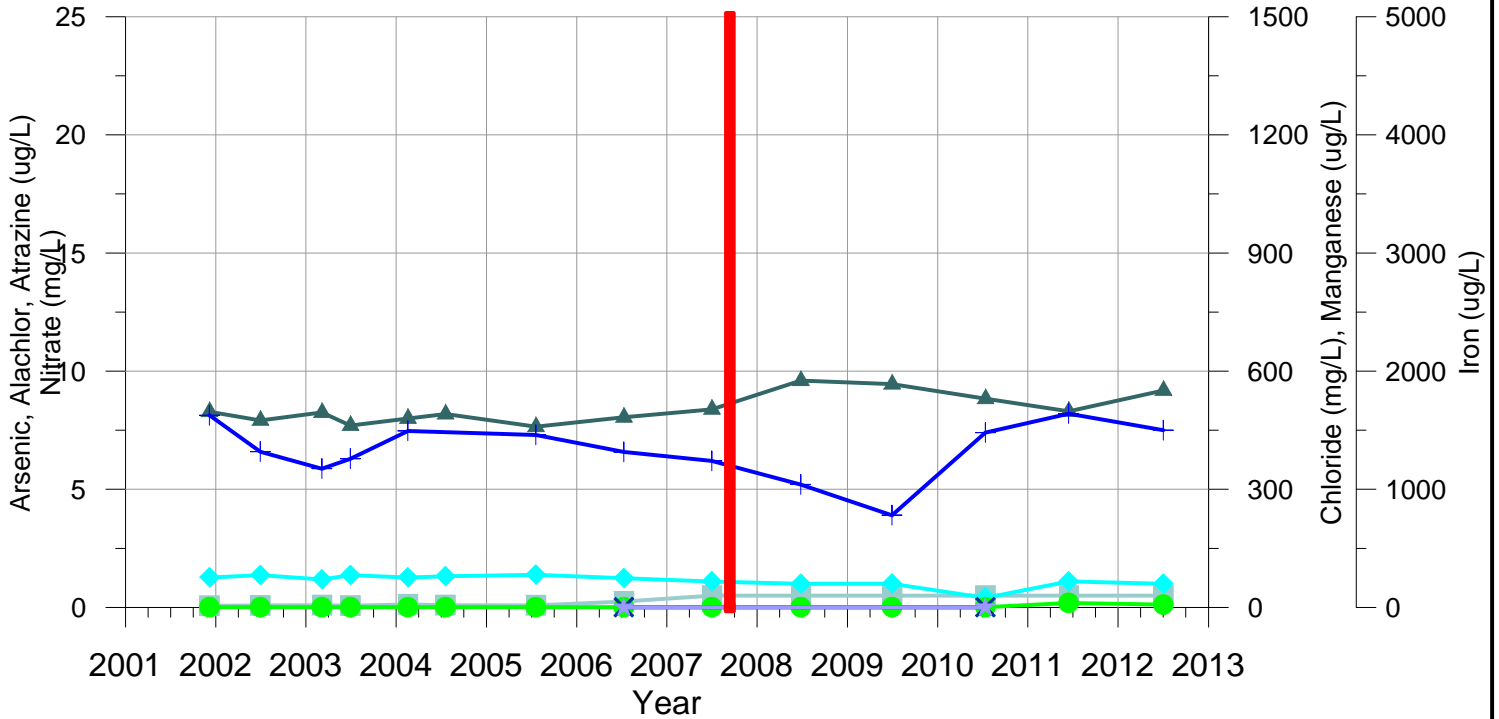


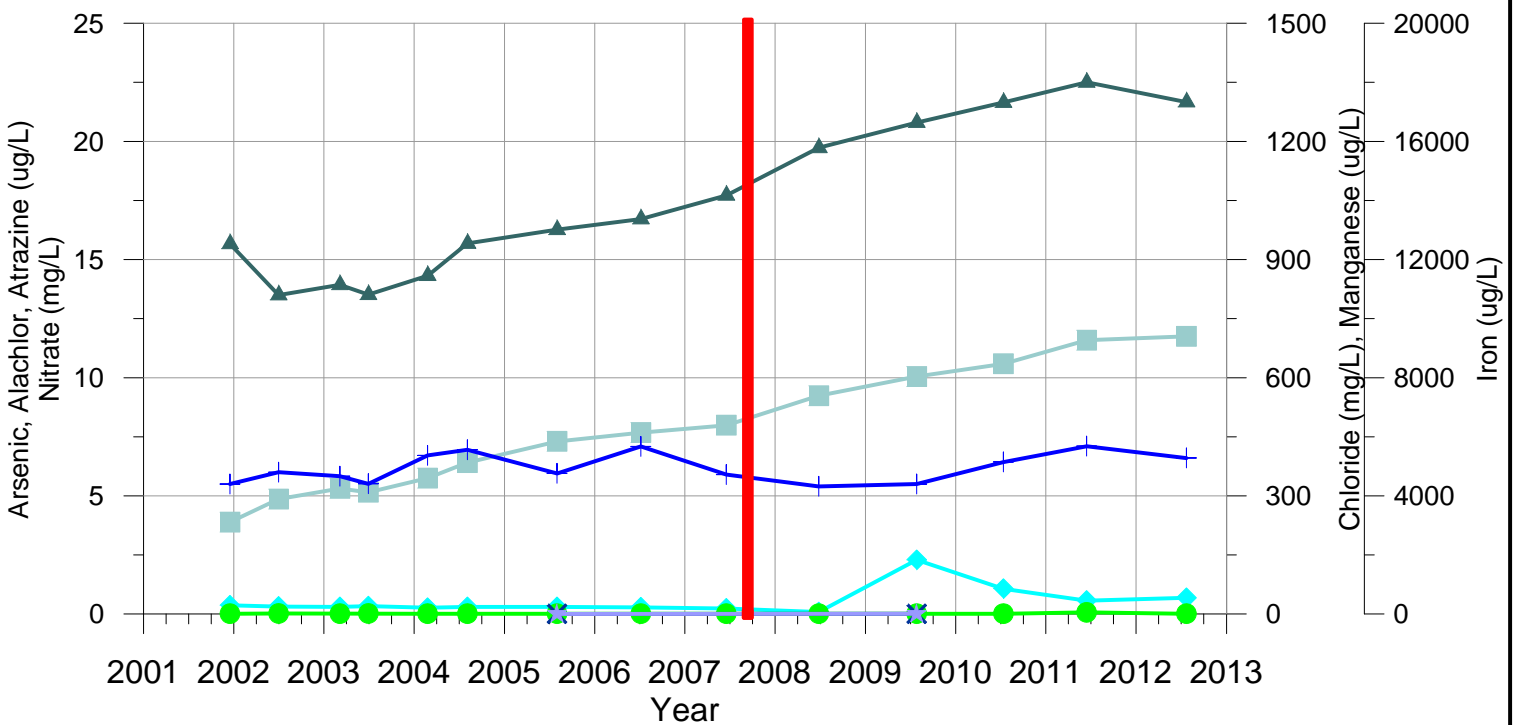
Figure E.7
INDEX WELL WATER QUALITY
IW-13C & IW-14C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	12/5/2001	1230	12	1420.70							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	12/5/2001	1231			15.5	156	< 0.01	528	1670		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/27/2002	1205	11.87	1420.83							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/27/2002	1206			17.8	158	0.02	502	1960		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	3/6/2003	1140	13.08	1423.47							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	3/6/2003	1141			17.1	159	< 0.01	512	2160		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/27/2003	1120	12.12	1424.43							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/27/2003	1121			18	165	0.01	490	2060		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	2/24/2004	1135	13.32	1423.23							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	2/24/2004	1136			20.6	138	< 0.01	488.8	2187.2		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	7/8/2004	1100	11.46	1425.09							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	7/8/2004	1101				164	< 0.01	496	2208		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	8/1/2005	940	10.96	1425.59						< 0.007	< 0.005
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	8/1/2005	941			17	148	< 0.01	502	2167		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	8/1/2005	945	10.96	1425.59							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/29/2006	1205	11.89	1424.66							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/29/2006	1206			19.5	139	< 0.01	486	2210		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/25/2007	1130	10.39	1426.16							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/25/2007	1131			17	146	< 0.01	484	2200		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/23/2008	1125	8.59	1427.96							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/23/2008	1126			12	142.9	< 0.01	464	2250		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	7/27/2009	1205	9.46	1427.09						< 0.007	< 0.008
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	7/27/2009	1206			17	18.6	< 0.01	461	2220		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	7/27/2009	1210	9.46	1427.09							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	7/14/2010	1035	6.57	1429.98							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	7/14/2010	1036			17.1	142.8	< 0.01	481	2310		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/9/2011	1140	10.39	1426.16							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/9/2011	1141			19.7	140	0.25	484	2280		
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/20/2012	1125	12.44	1424.11							
375815097385002	24S 03W 09DDDD02 IW-13C DEEP	6/20/2012	1126			18.1	140	0.2	471	2240		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	12/6/2001	1205	17.85	1402.85							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	12/6/2001	1206			14.8	130	< 0.01	1070	1940		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/25/2002	1105	17.35	1403.35							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/25/2002	1106			16.1	135	0.09	1040	2070		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	3/4/2003	1150	20.36	1402.21							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	3/4/2003	1151			16.5	118	0.01	1030	2090		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/27/2003	1100	20.38	1402.19							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/27/2003	1101			14.5	124	0.01	966	1900		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	2/23/2004	1205	20.59	1401.98							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	2/23/2004	1206			18.5	118	< 0.01	978.3	2095.8		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/22/2004	1020	21.22	1401.35							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/22/2004	1021			19	125	< 0.01	1003	2124		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/19/2005	925	17.82	1404.75						0.0085	< 0.005
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/19/2005	926			16.2	117	< 0.01	1014	2245		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/26/2005	940	19.28	1403.29							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/26/2005	941			17.9	116	< 0.01	1027	2244		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/13/2006	1205	18.85	1403.72						< 0.05	< 0.05
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/13/2006	1206			15.9	126	< 0.01	1042	2370		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/21/2007	1140	16.35	1406.22							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/21/2007	1141			17	121.8	< 0.01	1041	2440		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/1/2008	1110	13.32	1409.25							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/1/2008	1111			14	125.1	< 0.01	1160	2800		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/15/2009	1210	15.58	1406.99						0.0258	< 0.008
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/15/2009	1211			16	125.4	0.05	1186	2850		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/15/2009	1215	15.58	1406.99							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/12/2010	1105	10.44	1412.13							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	7/12/2010	1106			21.81	119.9	< 0.01	725	1920		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/20/2011	1040	13.75	1408.82							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/20/2011	1041			16.6	120	0.18	1090	2680		
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/21/2012	1145	16.13	1406.44							
375748097363802	24S 03W 14ADD02 IW-14C DEEP	6/21/2012	1146			17.5	120	0.18	959	2330		

IW-15C



IW-16C



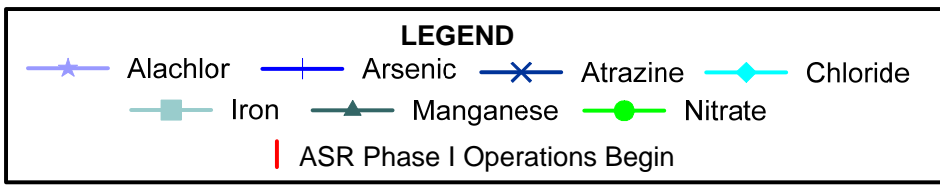
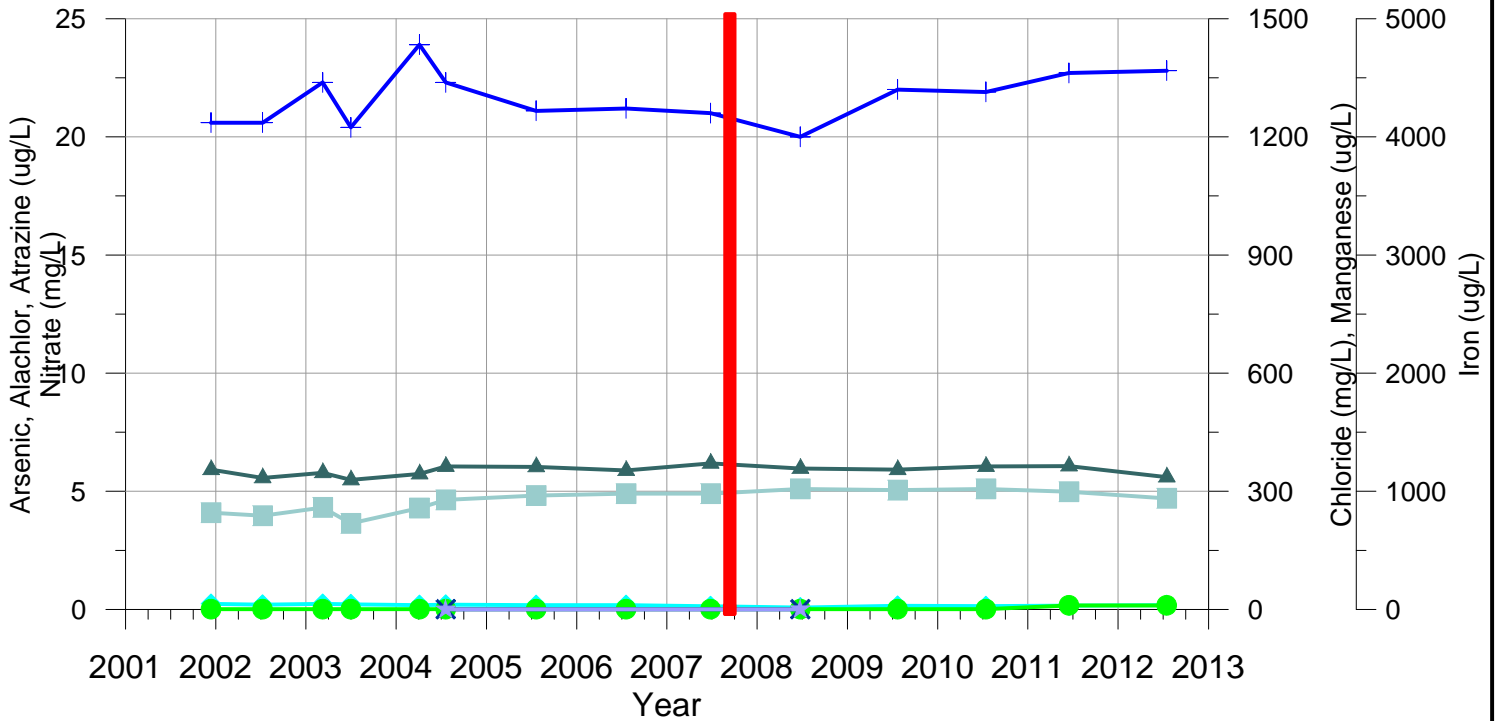
IW-16C Iron vertical scale varies from other graphs.



Figure E.8
INDEX WELL WATER QUALITY
IW-15C & IW-16C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375814097342702	24S 02W 18AAA02 IW-15C DEEP	12/7/2001	1255	30.55	1387.75							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	12/7/2001	1256			8.13	76	< 0.01	497	13.5		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/1/2002	1220	32.31	1385.99							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/1/2002	1221			6.59	82	< 0.01	475	17.1		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	3/7/2003	1145	31.5	1387.97							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	3/7/2003	1146			5.87	71	< 0.01	495	19.3		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/30/2003	1125	33.03	1386.44							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/30/2003	1126			6.29	82	< 0.01	462	15.1		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	2/18/2004	1230	32.09	1387.38							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	2/18/2004	1231			7.47	76	< 0.01	479.9	25.9		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/19/2004	1225	35.28	1384.19							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/19/2004	1226				79	< 0.01	491	19		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/20/2004	1240	35.96	1383.51							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/20/2005	930	33.68	1385.79							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/20/2005	931			7.3	83	< 0.01	459	18		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/11/2006	1230	31	1388.47						< 0.007	< 0.005
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/11/2006	1231			6.58	74.1	< 0.01	483	< 50		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/11/2006	1235	31	1388.47							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/2/2007	1145	30.99	1388.48							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/2/2007	1146			6.2	65.8	< 0.01	503	< 100		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/26/2008	1105	30.4	1389.07							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/26/2008	1106			5.2	60	< 0.01	576	< 100		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/30/2009	1140	29.87	1389.60							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/30/2009	1141			3.9	60.2	< 0.01	567	< 100		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/13/2010	1135	26.62	1392.85						< 0.007	< 0.008
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/13/2010	1136			7.4	24.5	< 0.01	530	< 100		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/13/2010	1140	26.62	1392.85							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/15/2011	1120	27.63	1391.84							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	6/15/2011	1121			8.2	66	0.19	498	< 100		
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/2/2012	1110	31.02	1388.45							
375814097342702	24S 02W 18AAA02 IW-15C DEEP	7/2/2012	1111			7.5	60	0.12	551	< 100		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	12/17/2001	1155	22.6	1378.50							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	12/17/2001	1156			5.5	22	< 0.01	940	3110		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/2/2002	1115	23.96	1377.14							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/2/2002	1116			6	19	0.02	810	3890		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	3/7/2003	1150	24.59	1378.28							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	3/7/2003	1151			5.83	18	< 0.01	836	4250		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/30/2003	1135	26.79	1376.08							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/30/2003	1136			5.51	20	0.02	811	4120		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	2/25/2004	1135	23.99	1378.88							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	2/25/2004	1136			6.71	16	< 0.01	859.1	4601		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	8/4/2004	1045	26.32	1376.55							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	8/4/2004	1046			6.95	18	< 0.01	941	5126		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	8/2/2005	900	26.04	1376.83						E 0.0039	< 0.005
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	8/2/2005	901			5.95	18	< 0.01	976	5844		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	8/2/2005	905	26.04	1376.83							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/7/2006	1110	26.97	1375.90							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/7/2006	1111			7.09	17	< 0.01	1003	6140		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/18/2007	1200	21.98	1380.89							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/18/2007	1201			5.9	14	< 0.01	1063	6390		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/26/2008	1110	21.87	1381.00							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/26/2008	1111			5.4	< 5	< 0.01	1184	7390		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/27/2009	1155	21.02	1381.85						< 0.007	< 0.008
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/27/2009	1156			5.5	137.3	< 0.01	1248	8040		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/27/2009	1200	21.02	1381.85							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/13/2010	1110	19.11	1383.76							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/13/2010	1111			6.43	64.1	< 0.01	1299	8470		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/15/2011	1100	21.09	1381.78							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	6/15/2011	1101			7.1	34	0.07	1350	9270		
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/23/2012	1215	24.68	1378.19							
375814097324702	24S 02W 16BAAA02 IW-16C DEEP	7/23/2012	1216			6.6	41	< 0.01	1300	9400		

IW-17C



IW-18C

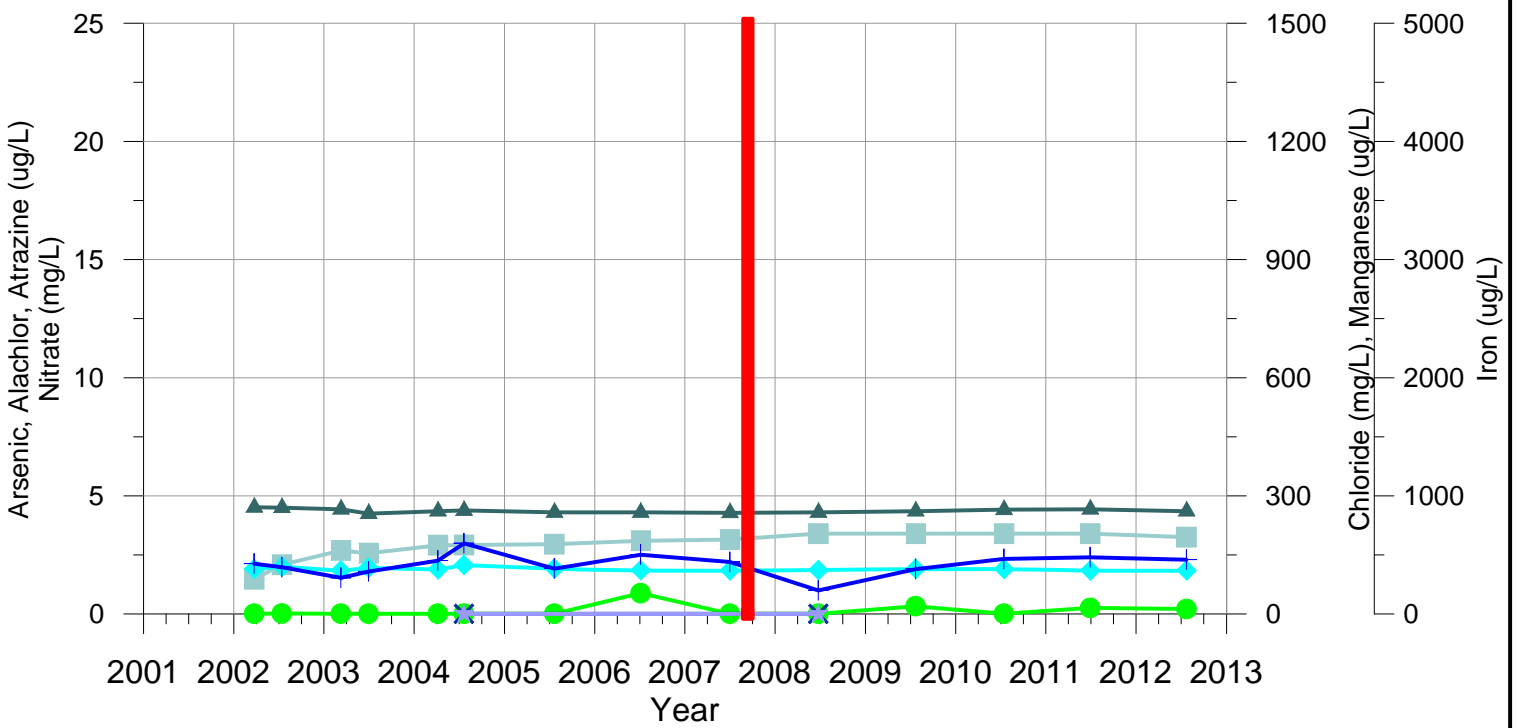
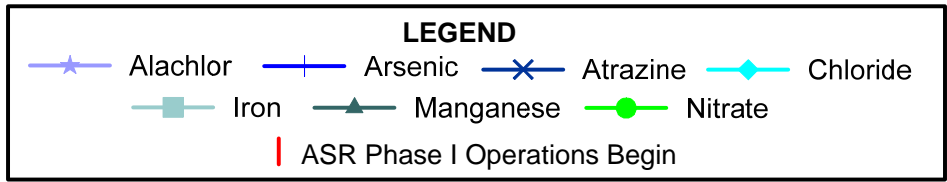
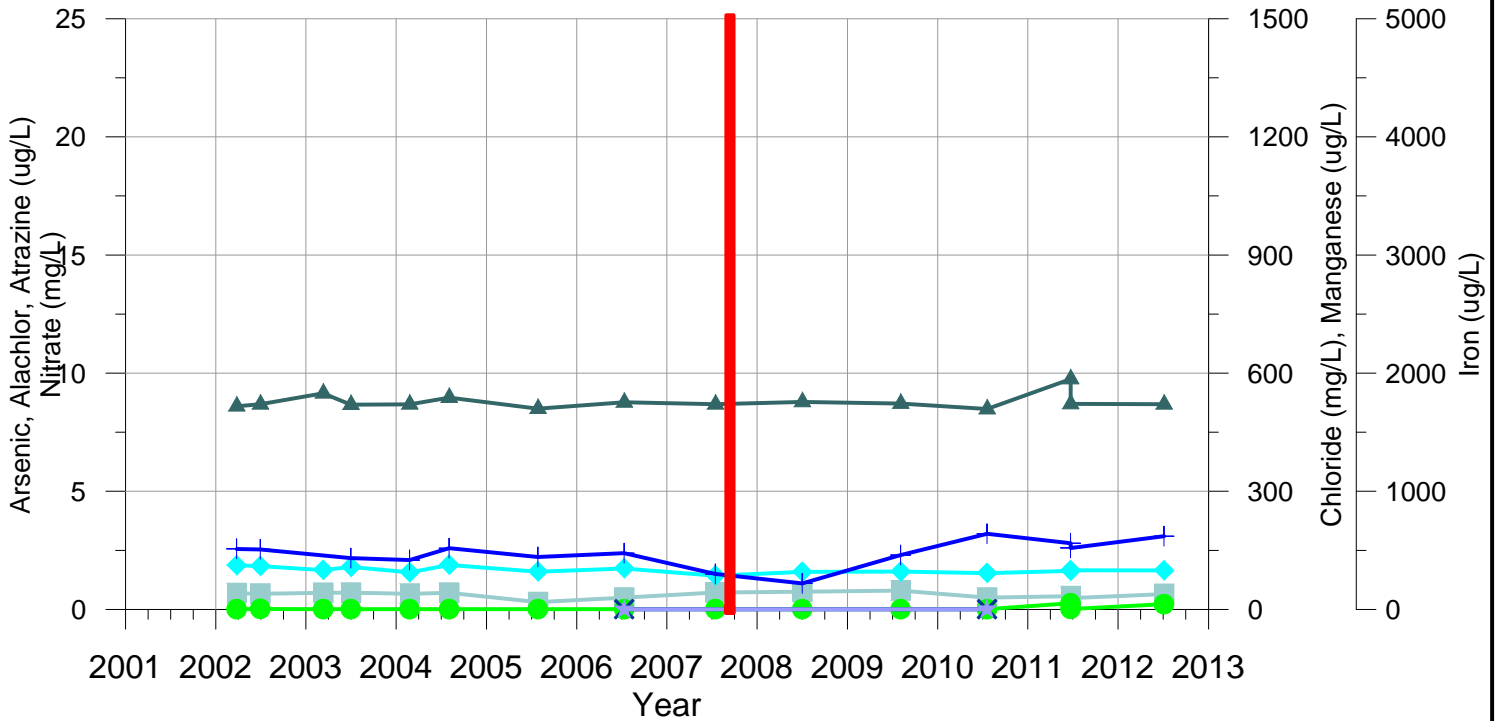


Figure E.9
INDEX WELL WATER QUALITY
IW-17C & IW-18C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375814097300002	24S 02W 13888B02 IW-17C DEEP	12/13/2001	1040	18.64	1365.56							
375814097300002	24S 02W 13888B02 IW-17C DEEP	12/13/2001	1041			20.6	14	< 0.01	355	819		
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/10/2002	1110	22.74	1361.46							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/10/2002	1111			20.6	12	< 0.01	334	793		
375814097300002	24S 02W 13888B02 IW-17C DEEP	3/10/2003	1215	19.86	1366.86							
375814097300002	24S 02W 13888B02 IW-17C DEEP	3/10/2003	1216			22.3	14	< 0.01	347	863		
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/2/2003	1050	26.52	1360.20							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/2/2003	1051			20.4	13	0.01	329	728		
375814097300002	24S 02W 13888B02 IW-17C DEEP	4/5/2004	1205	18.16	1368.56							
375814097300002	24S 02W 13888B02 IW-17C DEEP	4/5/2004	1206			23.9	11	< 0.01	344	858		
375814097300002	24S 02W 13888B02 IW-17C DEEP	4/20/2004	1020	18.26	1368.46							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/20/2004	1105	22.77	1363.95						< 0.007	< 0.005
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/20/2004	1106			22.3	12	< 0.01	363	927		
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/20/2004	1110	22.77	1363.95							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/21/2005	950	21.63	165.09							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/21/2005	951			21.1	11	< 0.01	362	964		
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/20/2006	1045	27.74	1358.98							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/20/2006	1046			21.2	11	< 0.01	353	980		
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/20/2006	1051									
375814097300002	24S 02W 13888B02 IW-17C DEEP	6/27/2007	1125	16.63	1370.09							
375814097300002	24S 02W 13888B02 IW-17C DEEP	6/27/2007	1126			21	8.1	< 0.01	371	980		
375814097300002	24S 02W 13888B02 IW-17C DEEP	6/24/2008	1055	14.03	1372.69						< 0.007	< 0.006
375814097300002	24S 02W 13888B02 IW-17C DEEP	6/24/2008	1056			20	< 5	< 0.01	358	1020		
375814097300002	24S 02W 13888B02 IW-17C DEEP	6/24/2008	1100	14.03	1372.69							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/23/2009	1145	16.65	1370.07							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/23/2009	1146			22	9.1	< 0.01	355	1010		
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/15/2010	1110	12.09	1374.63							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/15/2010	1111			21.9	8.3	< 0.01	363	1020		
375814097300002	24S 02W 13888B02 IW-17C DEEP	6/16/2011	1235	18.25	1368.47							
375814097300002	24S 02W 13888B02 IW-17C DEEP	6/16/2011	1236			22.7	9.5	0.17	364	996		
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/16/2012	1140	28.26	1358.46							
375814097300002	24S 02W 13888B02 IW-17C DEEP	7/16/2012	1141			22.8	11	0.17	336	940		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	3/25/2002	1200	9.1	1422.30							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	3/25/2002	1201			2.13	114	0.01	271	294		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/15/2002	1135	9.81	1421.59							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/15/2002	1136			1.98	120	0.02	270	417		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	3/11/2003	1210	9.51	1422.59							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	3/11/2003	1211			1.53	110	< 0.01	266	537		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/1/2003	1100	9.1	1423.00							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/1/2003	1101			1.8	117	< 0.01	255	514		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	4/6/2004	1145	9.08	1423.02							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	4/6/2004	1146			2.26	113	< 0.01	261	582		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	4/20/2004	1115	9.25	1422.85							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/21/2004	1055	8.83	1423.27						< 0.007	< 0.005
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/21/2004	1056			2.99	124	< 0.01	263	584		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/21/2004	1100	8.83	1423.27							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/22/2005	1025	6.88	1425.22							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/22/2005	1026			1.92	115	< 0.01	258	591		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/6/2006	1130	9.11	1422.99							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/6/2006	1131			2.51	111	0.88	258	620		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/2/2007	1130	6.52	1425.58							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/2/2007	1131			2.2	109.9	< 0.01	257	630		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	6/24/2008	1150	6.13	1425.97						E 0.0063	< 0.006
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	6/24/2008	1151			< 1	111	< 0.01	258	680		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	6/24/2008	1155	6.13	1425.97							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/23/2009	1235	6.92	1425.18							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/23/2009	1236			1.9	114.2	0.33	261	680		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/15/2010	1120	4.12	1427.98							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/15/2010	1121			2.33	113.9	< 0.01	265	680		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	6/29/2011	1115	8.45	1423.65							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	6/29/2011	1116			2.4	110	0.26	266	680		
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/23/2012	955	11.49	1420.61							
375642097385305	24S 03W 21DDAA05 IW-18C DEEP	7/23/2012	956			2.3	110	0.21	261	650		

IW-19C



IW-20C

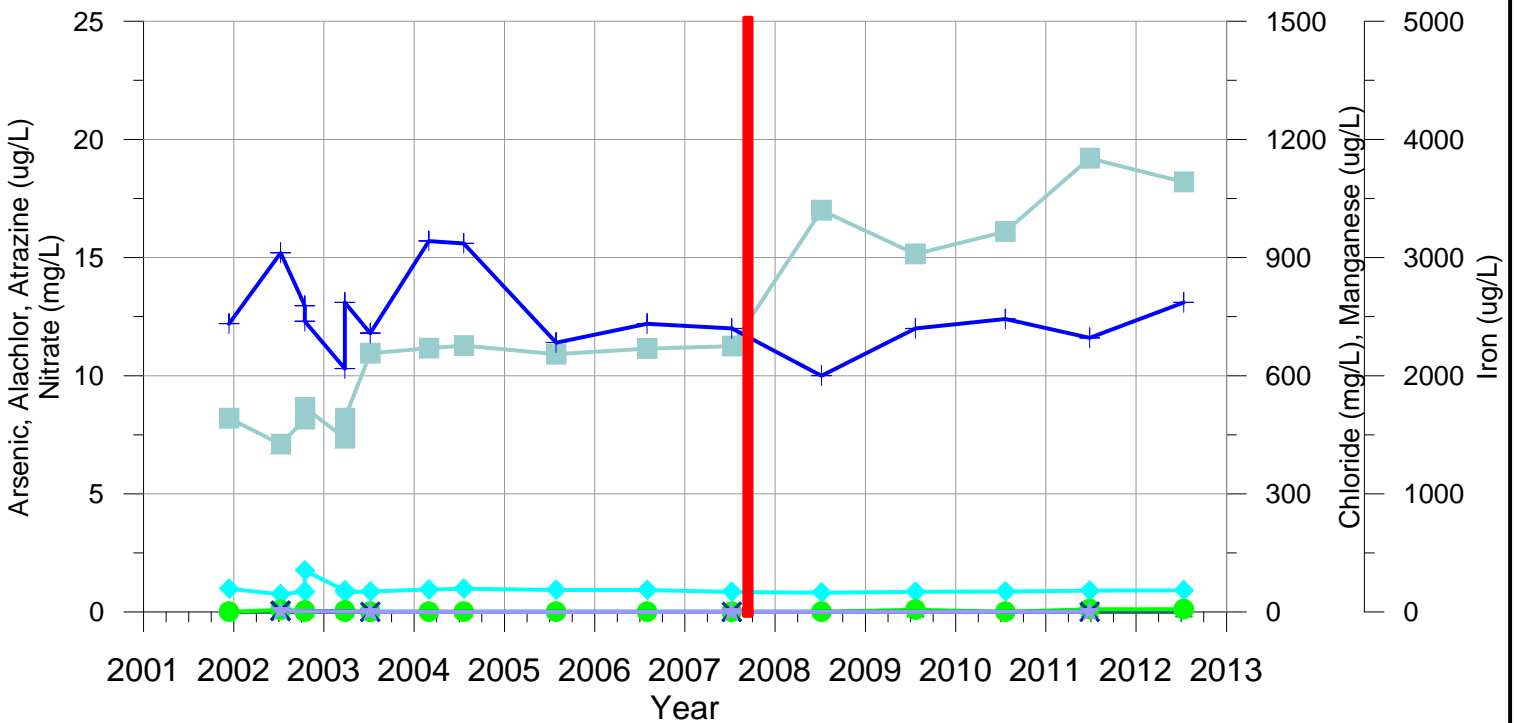
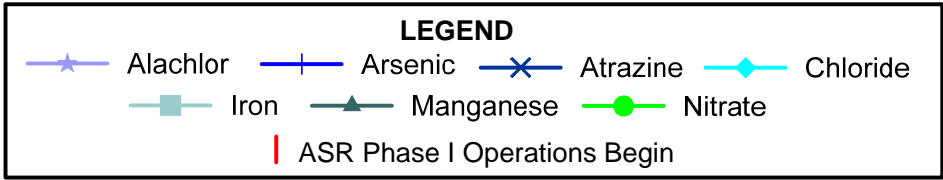
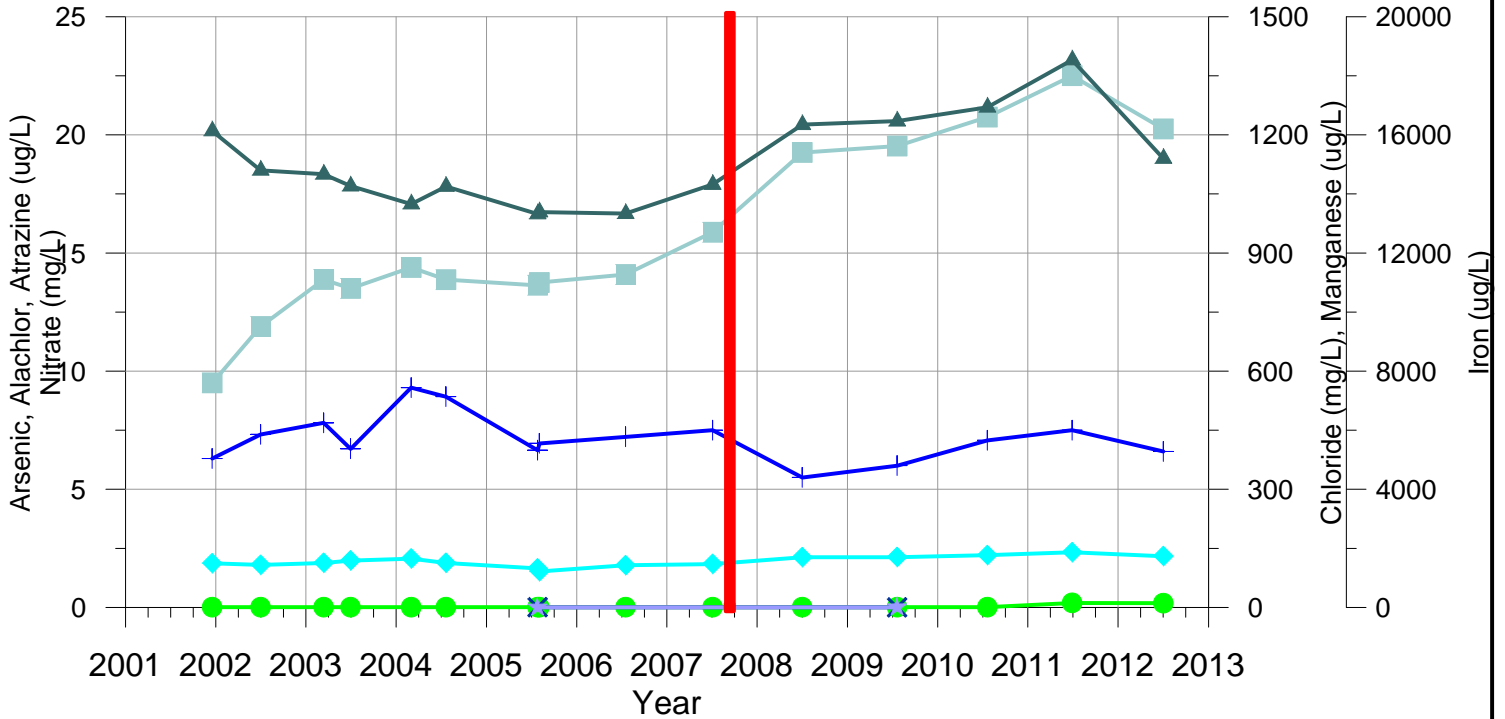


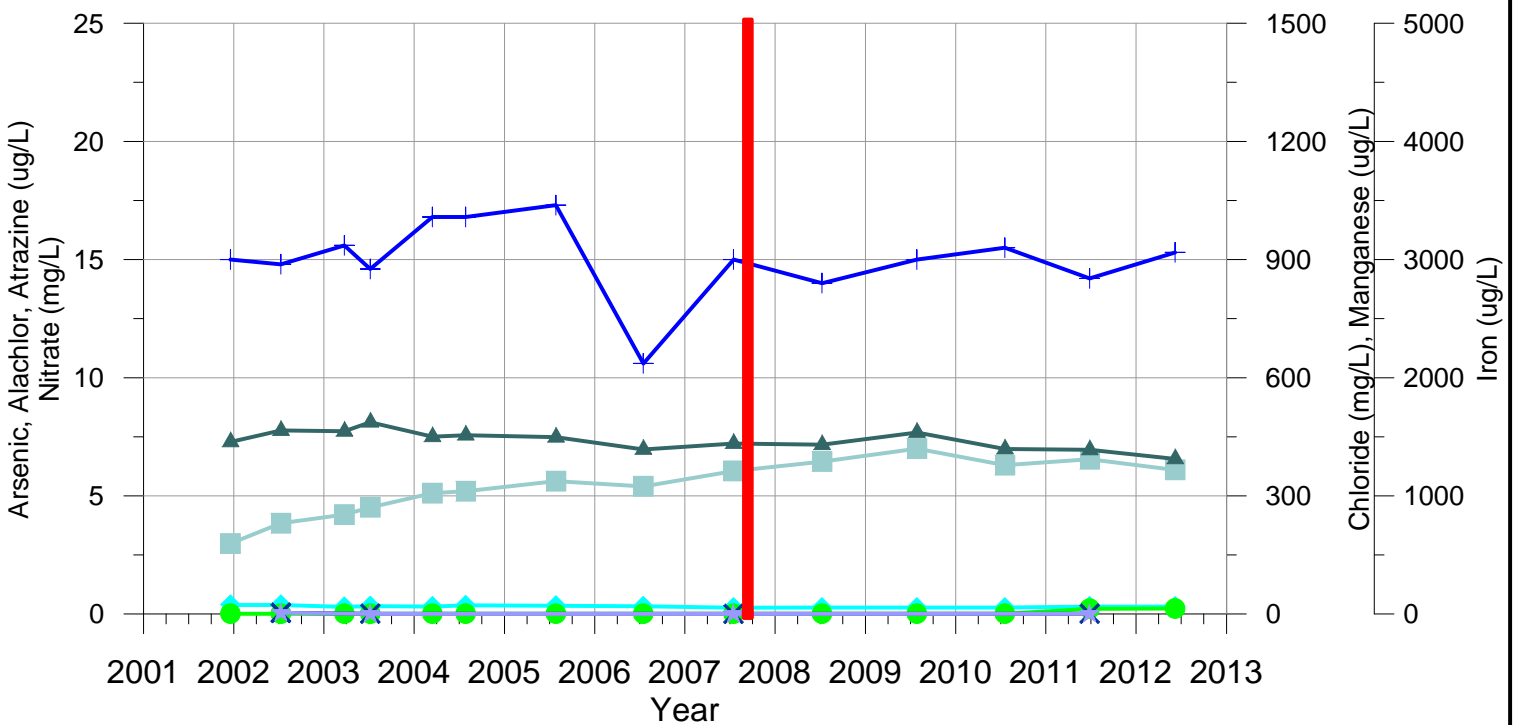
Figure E.10
INDEX WELL WATER QUALITY
IW-19C & IW-20C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	3/27/2002	1215	11.47	1406.73							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	3/27/2002	1216			2.56	112	< 0.01	516	137		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/1/2002	1225	12.5	1405.63							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/1/2002	1226			2.54	110	0.02	521	133		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	3/12/2003	1140	12.86	1406.52							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	3/12/2003	1141				100	< 0.01	549	140		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/2/2003	1115	13.11	1406.27							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/2/2003	1116			2.17	108	< 0.01	520	142		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	2/25/2004	1105	13.73	1405.65							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	2/25/2004	1106			2.09	94	< 0.01	520.9	132.8		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	8/3/2004	1200	12.78	1406.60							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	8/3/2004	1201			2.59	113	< 0.01	538	141		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/28/2005	1055	12.2	1407.18							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/28/2005	1056			2.22	96	< 0.01	510	62		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/12/2006	1140	11.98	1407.38						< 0.007	< 0.005
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/12/2006	1141			2.38	104	< 0.01	526	100		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/12/2006	1145	11.98	1407.38							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/16/2007	1150	8.99	1410.39							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/16/2007	1151			1.5	85.7	< 0.01	521	144		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/2/2008	1155	8.63	1410.75							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/2/2008	1156			1.1	95.3	< 0.01	527	150		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	8/4/2009	1240	9.89	1409.49							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	8/4/2009	1241			2.3	96.2	< 0.01	523	160		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/20/2010	1125	8.7	1410.68						0.008	< 0.008
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/20/2010	1126			3.2	92.3	< 0.01	509	< 100		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/20/2010	1130	8.7	1410.68							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	6/23/2011	1121			2.8	98	0.26	585	112		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	6/23/2011	1125	10.95	1408.43	2.6	99.4	< 0.02	522	95.7		
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/5/2012	1105	14.8	1404.58							
375604097363602	24S 03W 25BCCB02 IW-19C DEEP	7/5/2012	1106			3.1	99	0.22	521	130		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	12/13/2001	1300	26.69	1386.71							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	12/13/2001	1301			12.2	59	< 0.01	1100	1640		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/10/2002	1150	28.59	1384.81						< 0.05	< 0.05
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/10/2002	1151			15.2	45	0.09	1140	1420		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/10/2002	1152								< 0.05	
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	10/16/2002	1225	28.11	1385.39	12.962	51.83	< 0.06	1188.204	1631.8		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	10/16/2002	1226			12.3	105	< 0.01	1250	1730		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	10/16/2002	1227									
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	3/27/2003	1210	27.74	1388.38	10.3	54.64	< 0.06	1130.66	1470.9		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	3/27/2003	1211			13.1	50	< 0.01	1170	1640		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	3/27/2003	1212									
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/8/2003	1140	30.88	1385.24						< 0.007	< 0.0045
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/8/2003	1141			11.8	52	< 0.01	1390	2190		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/8/2003	1145	30.88	1385.24							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	3/1/2004	1225	28.41	1387.71							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	3/1/2004	1226			15.7	57	< 0.01	1278.6	2232.9		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/20/2004	1050	31.66	1384.46							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/20/2004	1051			15.6	59	< 0.01	1329	2255		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/20/2004	1056									
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/29/2005	1100	30.81	1385.31							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/29/2005	1101			11.4	56	< 0.01	1153	2182		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	8/1/2006	1225	30.69	1385.43							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	8/1/2006	1226			12.2	55.8	< 0.01	1163	2230		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/10/2007	1215	25.52	1390.60						< 0.007	< 0.005
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/10/2007	1216			12	51.1	< 0.01	1178	2250		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/10/2007	1220	25.52	1390.60							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/7/2008	1145	25.85	1390.27							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/7/2008	1146			10	49	< 0.01	1480	3400		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/22/2009	1130	24.39	1391.73							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/22/2009	1131			12	51.3	< 0.1	1342	3030		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/21/2010	1110	25.11	1391.01							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/21/2010	1111			12.4	52.1	< 0.01	1323	3220		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	6/27/2011	1230	26.94	1389.18						< 0.008	< 0.008
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	6/27/2011	1231			11.6	54	0.12	1340	3840		
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/12/2012	1240	30.17	1385.95							
375630097342702	24S 02W 19DDDD02 IW-20C DEEP	7/12/2012	1241			13.1	55	0.12	1240	3640		

IW-21C



IW-22C



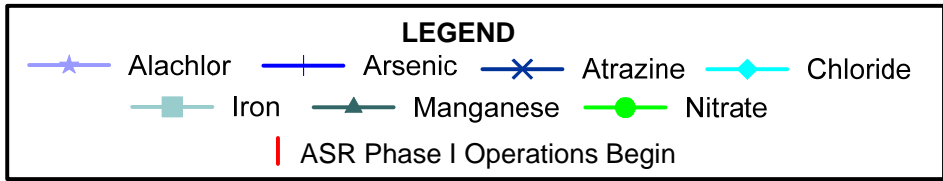
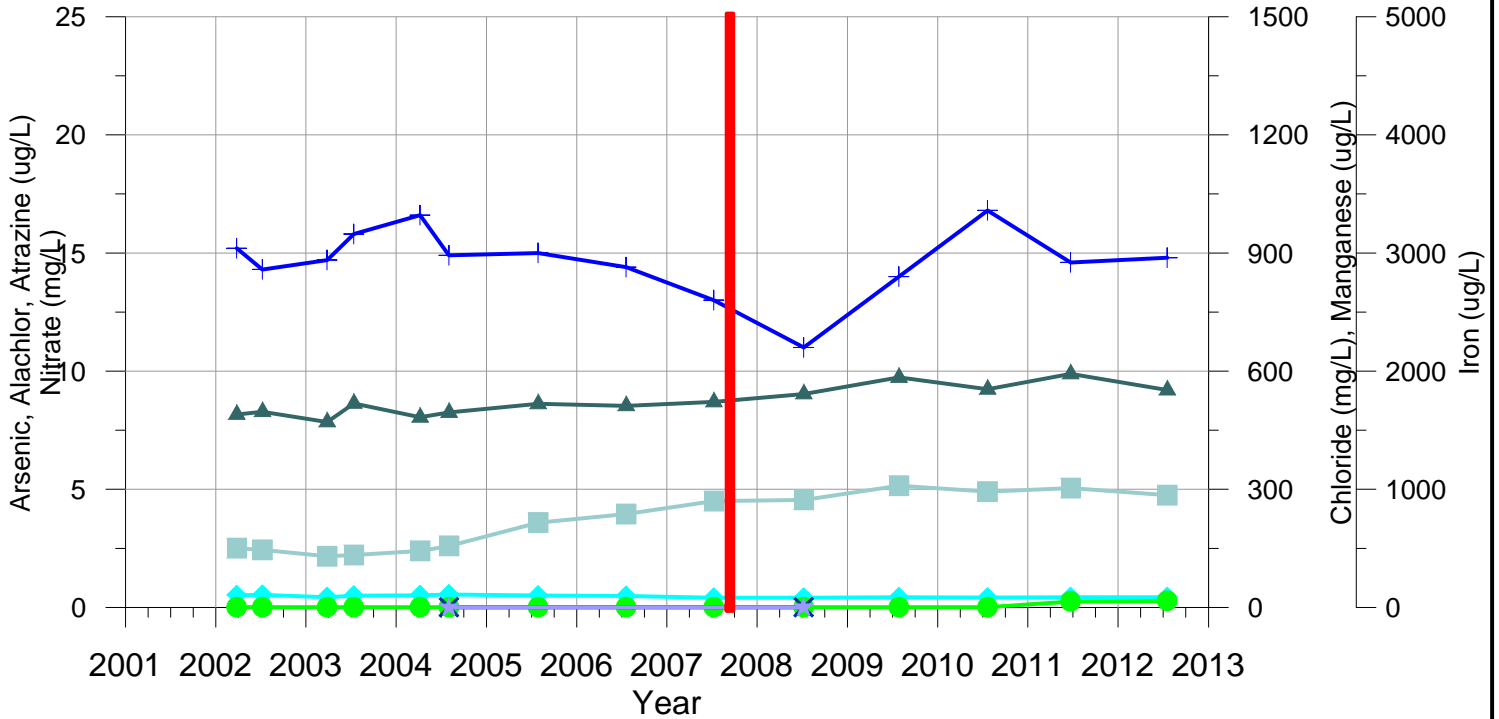
IW-21C Iron vertical scale varies from other graphs.



Figure E.11
INDEX WELL WATER QUALITY
IW-11C & IW-12C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	12/18/2001	1145	27.74	1379.36							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	12/18/2001	1146			6.3	112	< 0.01	1210	7600		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/2/2002	1135	28.97	1378.13							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/2/2002	1136			7.32	108	< 0.01	1110	9510		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	3/14/2003	1130	29.01	1377.58							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	3/14/2003	1131			7.81	113	< 0.01	1100	11100		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/1/2003	1125	29.65	1376.94							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/1/2003	1126			6.71	119	< 0.01	1070	10800		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	3/2/2004	1135	29.46	1377.13							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	3/2/2004	1136			9.3	124	< 0.01	1024.3	11509		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/21/2004	1100	30.58	1376.01							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/21/2004	1101			8.92	113	< 0.01	1069	11096		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/27/2005	1145	29.32	1377.27						< 0.007	< 0.005
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/27/2005	1146			6.65	99	< 0.01	999	10906		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/27/2005	1156									
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	8/3/2005	1310	29.7	1376.89							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	8/3/2005	1311			6.94	91.4	< 0.01	1004	11000		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/18/2006	1120	28.63	1377.96							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/18/2006	1121			7.22	107	< 0.01	1000	11270		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/5/2007	1145	27.67	1378.92							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/5/2007	1146			7.5	110.2	< 0.01	1074	12700		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/2/2008	1045	26.71	1379.88							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/2/2008	1046			5.5	127.5	< 0.01	1226	15400		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/21/2009	1150	26.3	1380.29						E 0.0041	< 0.008
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/21/2009	1151			6	127.7	< 0.01	1235	15620		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/21/2009	1155	26.3	1380.29							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/21/2010	1050	25.38	1381.21							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/21/2010	1051			7.07	132.6	< 0.01	1270	16600		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	6/29/2011	1150	25.69	1380.90							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	6/29/2011	1151			7.5	140	0.19	1390	18000		
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/2/2012	1105	28.11	1378.48							
375629097323502	24S 02W 21DCDC02 IW-21C DEEP	7/2/2012	1106			6.6	130	0.18	1140	16200		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	12/19/2001	1140	21.09	1363.26							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	12/19/2001	1141			15	23	< 0.01	437	596		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/11/2002	1200	21	1363.10						< 0.05	< 0.05
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/11/2002	1201			14.8	23	< 0.01	466	768		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/11/2002	1202								< 0.05	
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	3/25/2003	1225	22.32	1363.63							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	3/25/2003	1226			15.6	18	< 0.01	464	841		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/8/2003	1135	21.85	1364.10						0.0128	< 0.0045
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/8/2003	1136			14.6	20	< 0.01	487	903		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/8/2003	1140	21.85	1364.10							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	3/15/2004	1220	22.33	1363.62							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	3/15/2004	1221			16.8	19	< 0.01	450.3	1022.6		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/28/2004	1100	21.99	1363.96							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/28/2004	1101			16.8	22	< 0.01	454	1039		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/28/2004	1105	21.99	1363.96							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/28/2005	920	19.33	1366.62							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/28/2005	921			17.3	21	< 0.01	449	1124		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/17/2006	1135	20.92	1365.00							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/17/2006	1136			10.6	19.5	< 0.01	418	1080		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/17/2007	1120	19.72	1366.23						0.0089	< 0.005
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/17/2007	1121			15	16.2	< 0.01	433	1210		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/17/2007	1125	19.72	1366.23							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/9/2008	1055	20.13	1365.82							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/9/2008	1056			14	16.3	< 0.01	430	1290		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/28/2009	1100	18.09	1367.86							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/28/2009	1101			15	16.4	< 0.01	461	1400		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/19/2010	1200	16.93	1369.02							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	7/19/2010	1201			15.5	16.3	< 0.01	419	1260		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	6/27/2011	1130	19.23	1366.72						0.01	< 0.008
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	6/27/2011	1131			14.2	19	0.22	417	1310		
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	6/7/2012	1145	21.87	1364.08							
375629097293702	24S 02W 25BBAB02 IW-22C DEEP	6/7/2012	1146			15.3	19	0.23	394	1220		

IW-23C



IW-24C

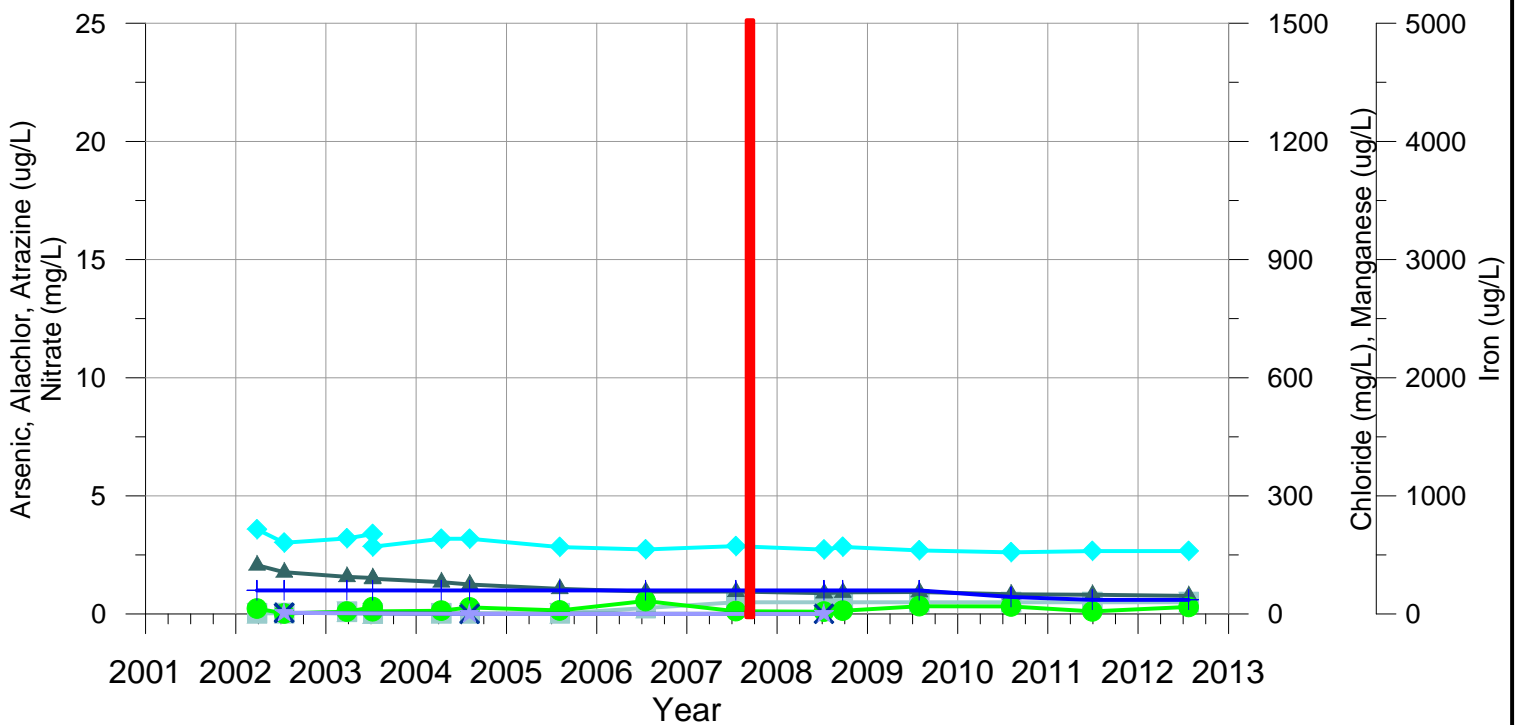
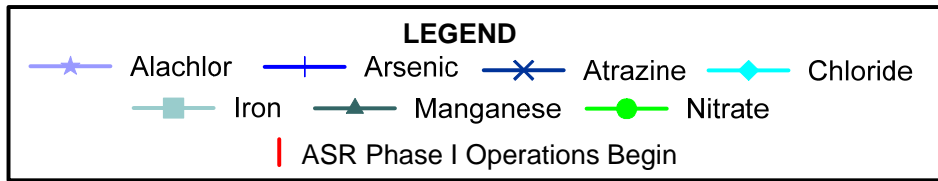
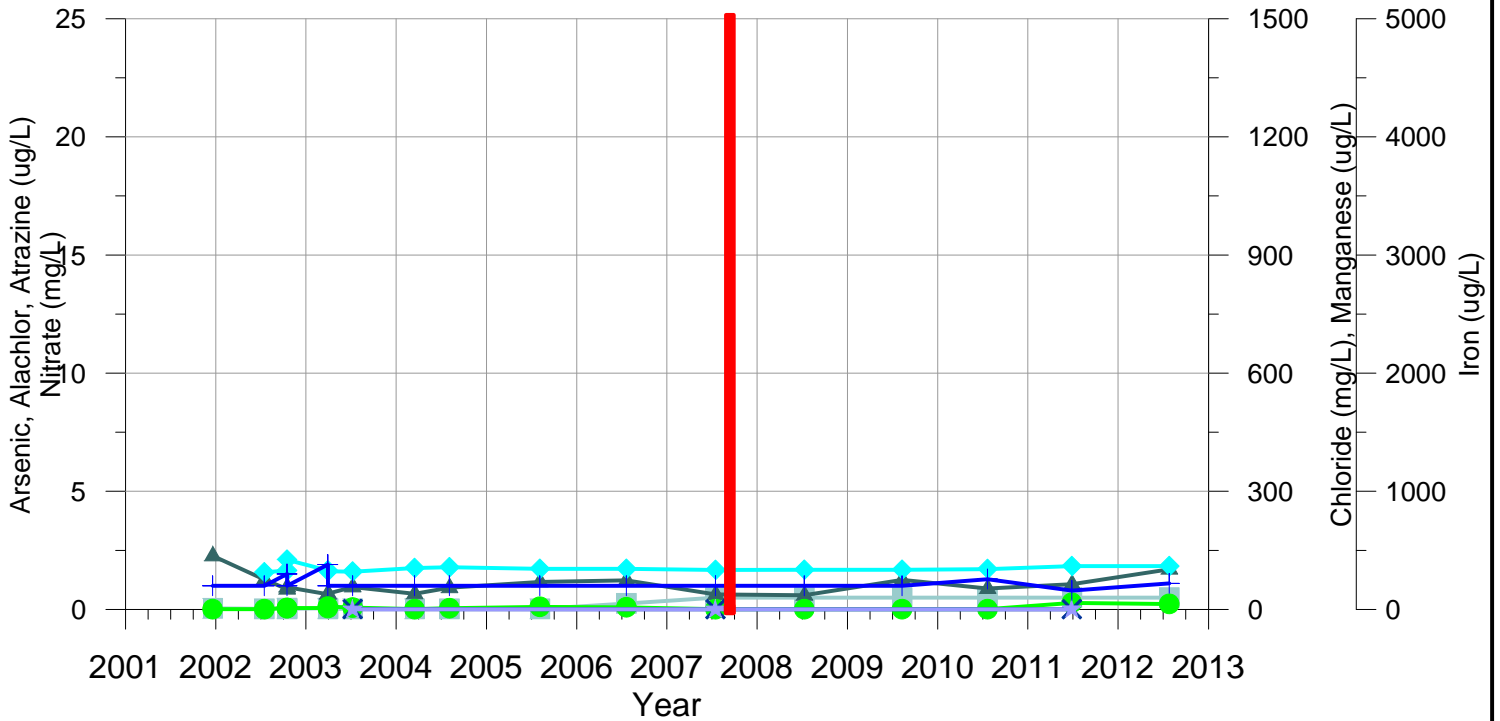


Figure E.12
INDEX WELL WATER QUALITY
IW-23C & IW-24C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³	
375629097274802	24S 01W 298BBB02 IW-23C DEEP	3/27/2002	1245	21.77	1356.58								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	3/27/2002	1246			15.2	31	< 0.01	490	501			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/9/2002	1140	29.05	1349.30								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/9/2002	1141			14.3	32	< 0.01	497	487			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	3/28/2003	1130	19.21	1360.45								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	3/28/2003	1131			14.7	26	< 0.01	471	433			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/14/2003	1045	29.1	1350.56								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/14/2003	1046			15.8	30	< 0.01	518	444			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	4/7/2004	1125	18.89	1360.77								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	4/7/2004	1126			16.6	31	< 0.01	483	478			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	4/20/2004	1220	19.26	1360.40								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	8/2/2004	1140	21.55	1358.11						< 0.007	< 0.005	
375629097274802	24S 01W 298BBB02 IW-23C DEEP	8/2/2004	1141			14.9	33	< 0.01	495	520			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	8/2/2004	1145	21.55	1358.11								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/29/2005	901			15	30.4	< 0.01	517	718			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/20/2006	1105	29.95	1349.71								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/20/2006	1106			14.4	29	< 0.01	512	790			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/10/2007	1200	15.19	1364.47								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/10/2007	1201			13	24.6	< 0.01	522	900			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/8/2008	1115	24.3	1355.36						< 0.007	< 0.006	
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/8/2008	1116			11	24.6	< 0.01	542	910			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/8/2008	1120	24.3	1355.36								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/28/2009	1110	25.22	1354.44								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/28/2009	1111			14	25.8	< 0.01	584	1030			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/22/2010	1110	26.29	1353.37								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/22/2010	1111			16.8	25.1	< 0.01	554	980			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	6/23/2011	1215	25.14	1354.52								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	6/23/2011	1216			14.6	26	0.25	593	1010			
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/18/2012	1220	31	1348.66								
375629097274802	24S 01W 298BBB02 IW-23C DEEP	7/18/2012	1225			14.8	26	0.28	552	950			
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	3/28/2002	1200	7.8	1419.00								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	3/28/2002	1201			<	1	215	0.23	124	<	5	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/16/2002	1140	10.33	1416.47						<	0.05	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/16/2002	1141			<	1	181	0.02	106	7.16	<	0.05
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/16/2002	1143								<	0.05	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	3/27/2003	1150	7.03	1421.10								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	3/27/2003	1151			<	1	192	0.1	94.5	18.2		
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/9/2003	1135	12.32	1415.81								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/9/2003	1136			<	1	203	0.29	91.5	5.87		
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/9/2003	1140	12.32	1415.81			170.89	E 0.112	89.434	E 4.074		
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/9/2003	1141										
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	4/12/2004	1130	7.59	1420.54								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	4/12/2004	1131			<	1	191	0.14	81	<	5	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	4/21/2004	955	7.64	1420.49								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	8/5/2004	1115	10.29	1417.84						<	0.007	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	8/5/2004	1116			<	1	191	0.28	75	<	5	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	8/5/2004	1120	10.29	1417.84								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	8/4/2005	915	10.69	1417.44								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	8/4/2005	916			<	1	170	0.15	64	<	5	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/18/2006	1115	12.04	1416.10								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/18/2006	1116			<	1	164	0.55	57	<	50	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/18/2007	1135	5.25	1422.88								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/18/2007	1136			<	1	172.4	0.12	57	<	100	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/9/2008	1155	6.84	1421.29						<	0.007	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/9/2008	1156			<	1	163.6	0.1	53	<	100	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/9/2008	1200	6.84	1421.29								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	9/23/2008	1055	7.18	1420.95								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	9/23/2008	1056			<	1	170.5	0.14	55	<	100	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/29/2009	1220	7.59	1420.54								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/29/2009	1221			<	1	161.5	0.33	56	<	100	
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	8/5/2010	1055	10.68	1417.45								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	8/5/2010	1056			0.72	156.7	0.32	50	<	100		
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	6/30/2011	1125	11.87	1416.26								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	6/30/2011	1126			0.6	160	0.11	49	<	100		
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/24/2012	1140	13.8	1414.33								
375446097390702	24S 03W 33DDCC02 IW-24C DEEP	7/24/2012	1141			0.6	160	0.3	46	<	100		

IW-25C



IW-26C

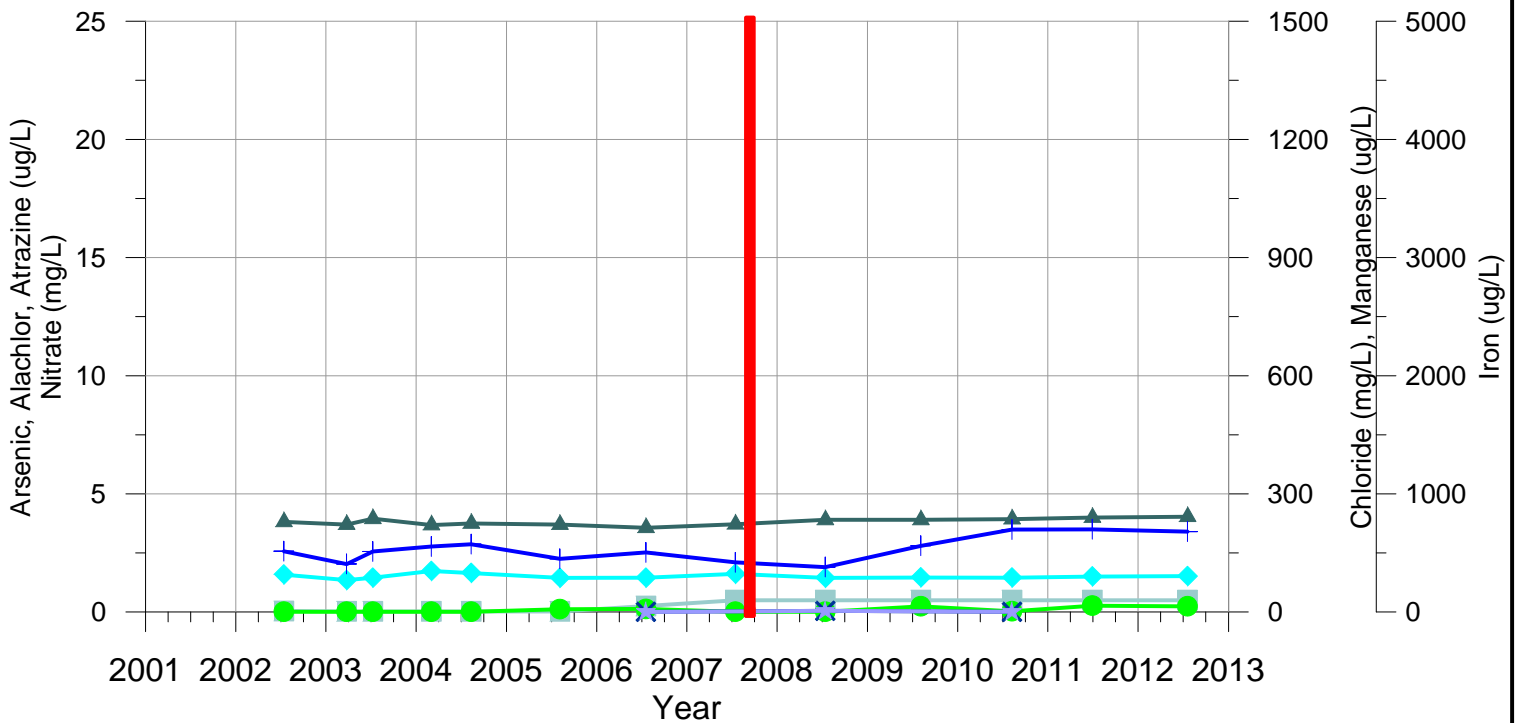
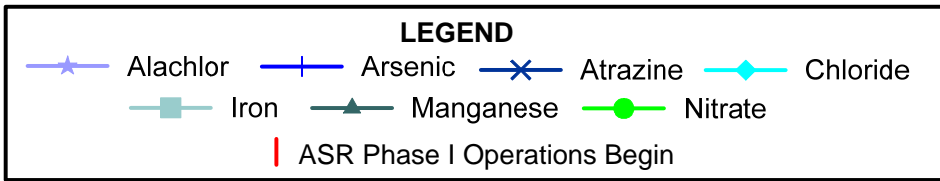
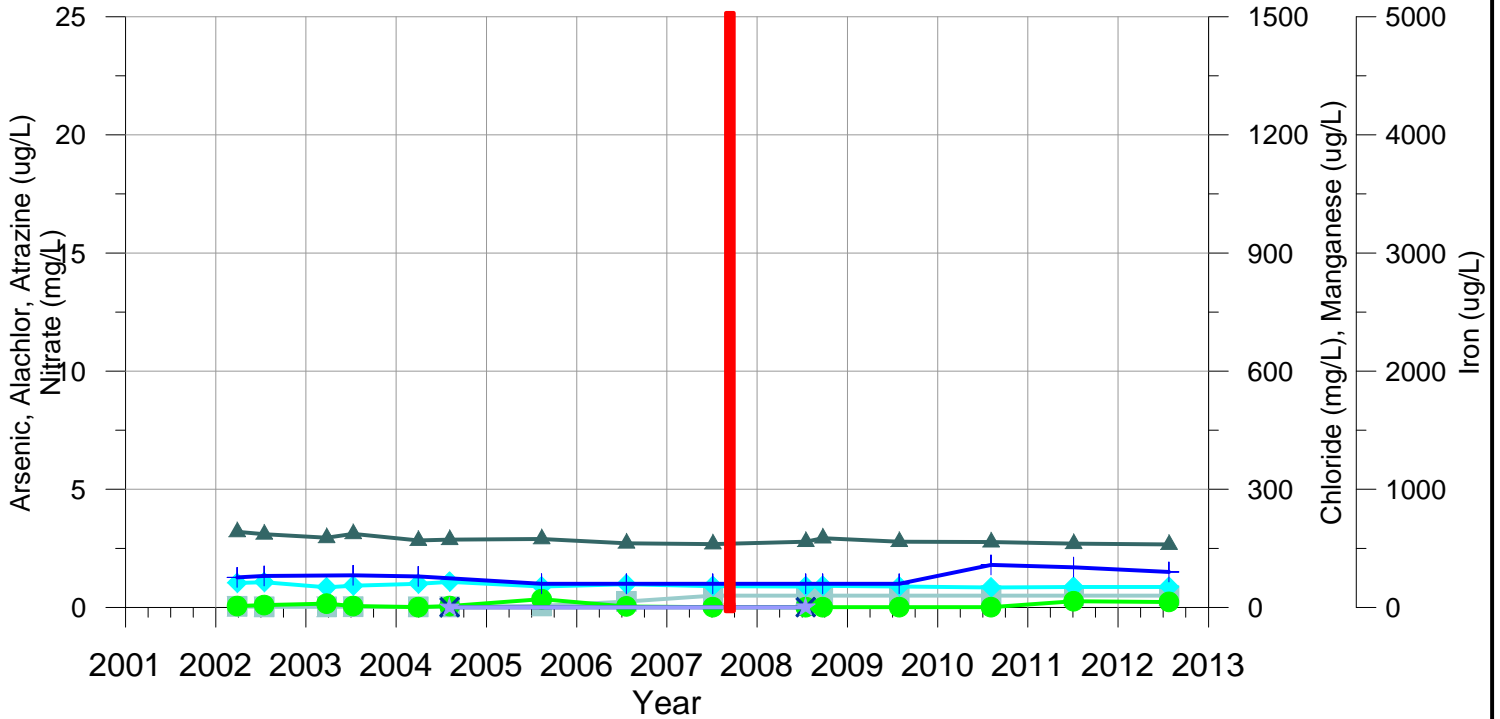


Figure E.13
INDEX WELL WATER QUALITY
IW-25C & IW-26C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	12/20/2001	1155	8.25	1407.95							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	12/20/2001	1156			< 1		< 0.01	136	9.14		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/17/2002	1140	11.89	1404.31							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/17/2002	1141			< 1	94	< 0.01	76	< 5		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	10/17/2002	1245	11.07	1405.13	E 1.4994	99	< 0.06	51.408	< 10		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	10/17/2002	1246			< 1	126	0.06	56.6	< 5		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	10/17/2002	1247									
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	3/31/2003	1145	10.45	1408.59	< 1.9	99.04	< 0.06	38.381	< 10		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	3/31/2003	1146			< 1	97	0.12	40.2	< 5		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	3/31/2003	1147									
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/9/2003	1205	10.75	1408.29						0.0134	< 0.0045
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/9/2003	1206			< 1	96	0.08	56.9	< 5		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/9/2003	1210	10.75	1408.29							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	3/16/2004	1100	10.65	1408.39							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	3/16/2004	1101			< 1	E 105	< 0.01	39.7	< 5		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	8/4/2004	1100	10.42	1408.62							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	8/4/2004	1101			< 1	107	0.05	55	< 5		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	8/5/2005	910	9.17	1409.87							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	8/5/2005	911			< 1	103	0.11	70	< 5		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/21/2006	1105	11.31	1407.73							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/21/2006	1106			< 1	103	0.09	74	< 50		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/17/2007	1200	7.09	1411.95					< 0.007	< 0.005	
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/17/2007	1201			< 1	100.3	< 0.01	38	< 100		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/17/2007	1205	7.09	1411.95							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/10/2008	1110	8.19	1410.85							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/10/2008	1111			< 1	100.5	< 0.01	36	< 100		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	8/10/2009	1100	10.24	1408.80							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	8/10/2009	1101			< 1	100.7	< 0.01	75	< 100		
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/22/2010	1050	7.75	1411.29							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/22/2010	1051				1.28	102.5	< 0.01	53	< 100	
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	6/28/2011	1140	11.41	1407.63						0.007	< 0.008
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	6/28/2011	1141				0.8	110	0.28	64	< 100	
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/26/2012	1100	14.32	1404.72							
375445097365405	24S 03W 35DCDD05 IW-25C DEEP	7/26/2012	1101				1.1	110	0.23	102	< 100	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/15/2002	1200	28.09	1378.31							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/15/2002	1201				2.57	95	< 0.01	229	8.46	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	3/26/2003	1225	25.16	1383.53							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	3/26/2003	1226				2.03	81	< 0.01	222	< 5	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/10/2003	1110	31.41	1377.28							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/10/2003	1111				2.56	87	< 0.01	237	< 5	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	3/3/2004	1200	26.21	1382.48							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	3/3/2004	1201				2.77	104	< 0.01	220.9	< 5	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/11/2004	1135	29.19	1379.50							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/11/2004	1136				2.87	99	< 0.01	225	< 5	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/5/2005	1130	36.44	1372.25							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/5/2005	1131				2.25	86.7	0.12	222	< 5	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/19/2006	1225	34.74	1373.95						< 0.007	< 0.005
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/19/2006	1226				2.52	87.1	0.13	214	< 50	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/19/2006	1230	34.74	1373.95							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/16/2007	1115	23.86	1384.83							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/16/2007	1116				2.1	96.7	< 0.01	223	< 100	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/14/2008	1115	28.49	1380.20						< 0.05	< 0.05
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/14/2008	1116				1.9	86.6	< 0.01	234	< 100	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/5/2009	1150	22.76	1385.93							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/5/2009	1151				2.8	87.7	0.24	234	< 100	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/9/2010	1150	31.14	1377.55						< 0.007	< 0.008
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/9/2010	1151				3.49	87.2	0.03	236	< 100	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	8/9/2010	1155	31.14	1377.55							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	6/30/2011	1055	28.88	1379.81							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	6/30/2011	1056				3.5	90	0.27	240	< 100	
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/19/2012	1055	29.27	1379.42							
375508097342402	24S 02W 32CB8B02 IW-26C DEEP	7/19/2012	1056				3.4	91	0.24	242	< 100	

IW-27C



IW-28C

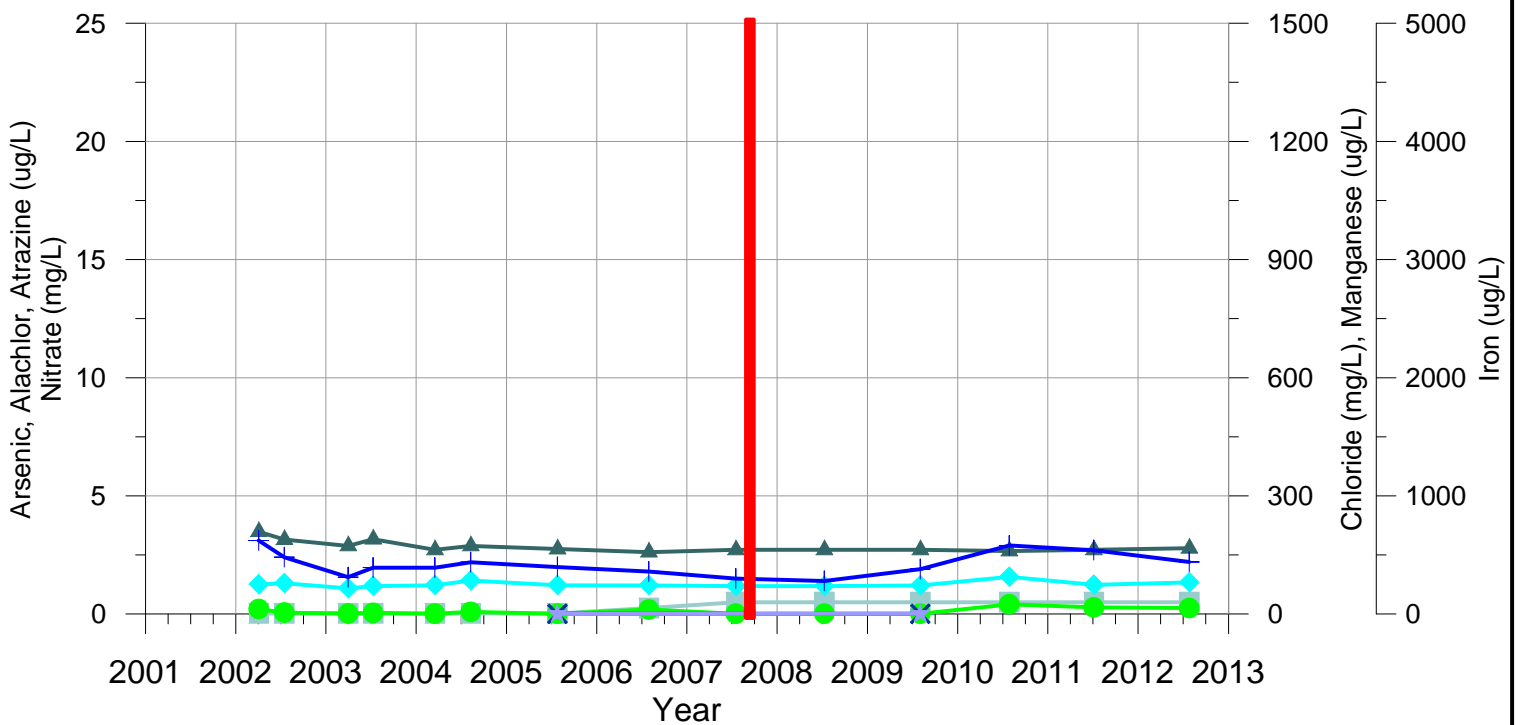
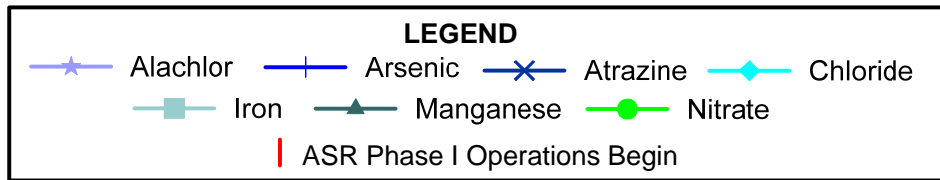
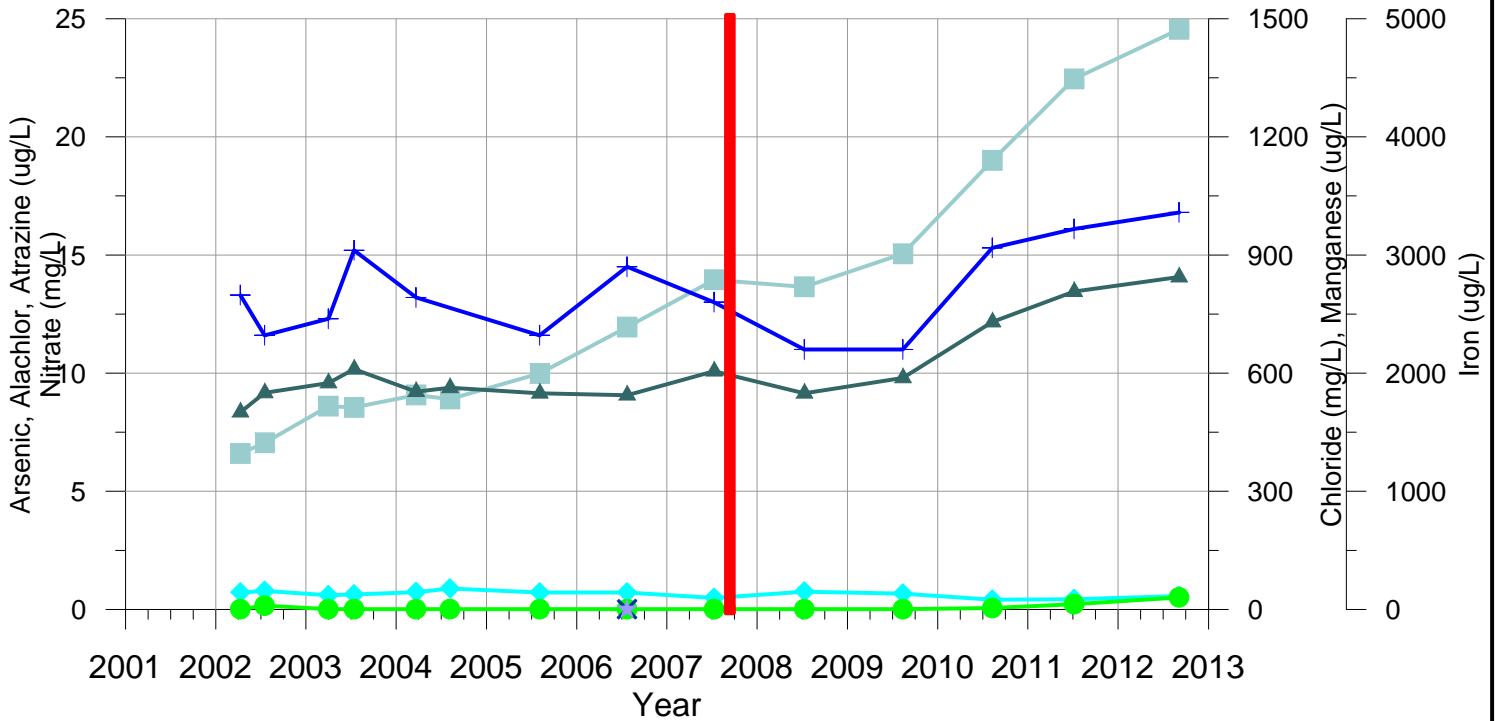


Figure E.14
INDEX WELL WATER QUALITY
IW-27C & IW-28C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375434097321302	25S 02W 04AADA02	IW-27C DEEP	3/29/2002	1255	19.71	1375.79						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	3/29/2002	1256		1.27	62	0.06	192	8.56		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/16/2002	1150	22.54	1372.96						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/16/2002	1151		1.33	64	0.1	186	< 5		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	3/26/2003	1215	22.14	1374.55						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	3/26/2003	1216			51	0.16	177	< 5		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/11/2003	1105	24.38	1372.31						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/11/2003	1106		1.36	55	0.06	187	6.08		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	3/31/2004	1210	22.1	1374.59						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	3/31/2004	1211		1.31	60	< 0.01	170	< 5		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	8/5/2004	1140	23.62	1373.07					< 0.007	< 0.005
375434097321302	25S 02W 04AADA02	IW-27C DEEP	8/5/2004	1141			65	0.06	172	< 5		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	8/5/2004	1145	23.62	1373.07						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	8/12/2005	1050	21.19	1375.50						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	8/12/2005	1051		< 1	53.1	0.35	174	13		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/21/2006	1030	23.26	1373.43						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/21/2006	1031		< 1	58.7	0.04	163	< 50		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/6/2007	1225	19.57	1377.12						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/6/2007	1226		< 1	54	< 0.01	161	< 100		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/16/2008	1135	20.62	1376.07					< 0.007	< 0.006
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/16/2008	1136		< 1	53.3	< 0.01	167	< 100		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/16/2008	1140	20.62	1376.07						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	9/23/2008	1125	20.83	1375.86						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	9/23/2008	1126		< 1	54.6	< 0.01	176	< 100		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/29/2009	1125	19.41	1377.28						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/29/2009	1126		< 1	53.1	< 0.01	167	< 100		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	8/5/2010	1055	20.36	1376.33						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	8/5/2010	1056		1.8	50.6	< 0.01	166	< 100		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/5/2011	1240	22.06	1374.63						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/5/2011	1241		1.7	52	0.26	162	< 100		
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/25/2012	1040	25.25	1371.44						
375434097321302	25S 02W 04AADA02	IW-27C DEEP	7/25/2012	1041		1.5	52	0.23	160	< 100		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	4/4/2002	1135	27.21	1358.99						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	4/4/2002	1136		3.11	75	0.21	209	< 5		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/17/2002	1100	32.38	1353.82						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/17/2002	1101		2.4	78	0.06	189	< 5		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	4/1/2003	1150	31.05	1357.39						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	4/1/2003	1151		1.56	65	0.02	173	< 5		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/11/2003	1110	36.08	1352.36						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/11/2003	1111		1.96	71	0.05	190	< 5		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	3/17/2004	1140	29.35	1359.09						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	3/17/2004	1141		1.96	73	< 0.01	163	< 5		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	8/9/2004	950	32.34	1356.10						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	8/9/2004	951		2.19	85	0.09	173	< 5		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/26/2005	1120	31.98	1356.46					< 0.007	< 0.005
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/26/2005	1121		1.99	73	< 0.01	165	< 5		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/26/2005	1125	31.98	1356.46						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/31/2006	1125	35.11	1353.33						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/31/2006	1126		1.8	72.5	0.19	157	< 50		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/18/2007	1155	28.06	1360.38						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/18/2007	1156		1.5	70.8	< 0.01	163	< 100		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/10/2008	1040	30	1358.44						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/10/2008	1041		1.4	70.9	< 0.01	163	< 100		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	8/3/2009	1150	26.77	1361.67					< 0.007	< 0.008
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	8/3/2009	1151		1.9	72.4	< 0.01	163	< 100		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	8/3/2009	1155	26.77	1361.67						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/29/2010	1050	29.32	1359.12						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/29/2010	1051		2.9	94.3	0.41	160	< 100		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/6/2011	1100	29.48	1358.96						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/6/2011	1101		2.7	74	0.28	163	< 100		
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/26/2012	1210	37.56	1350.88						
375420097300202	25S 02W 02ADDA02	IW-28C DEEP	7/26/2012	1211		2.2	80	0.25	167	< 100		

IW-29C



IW-30C

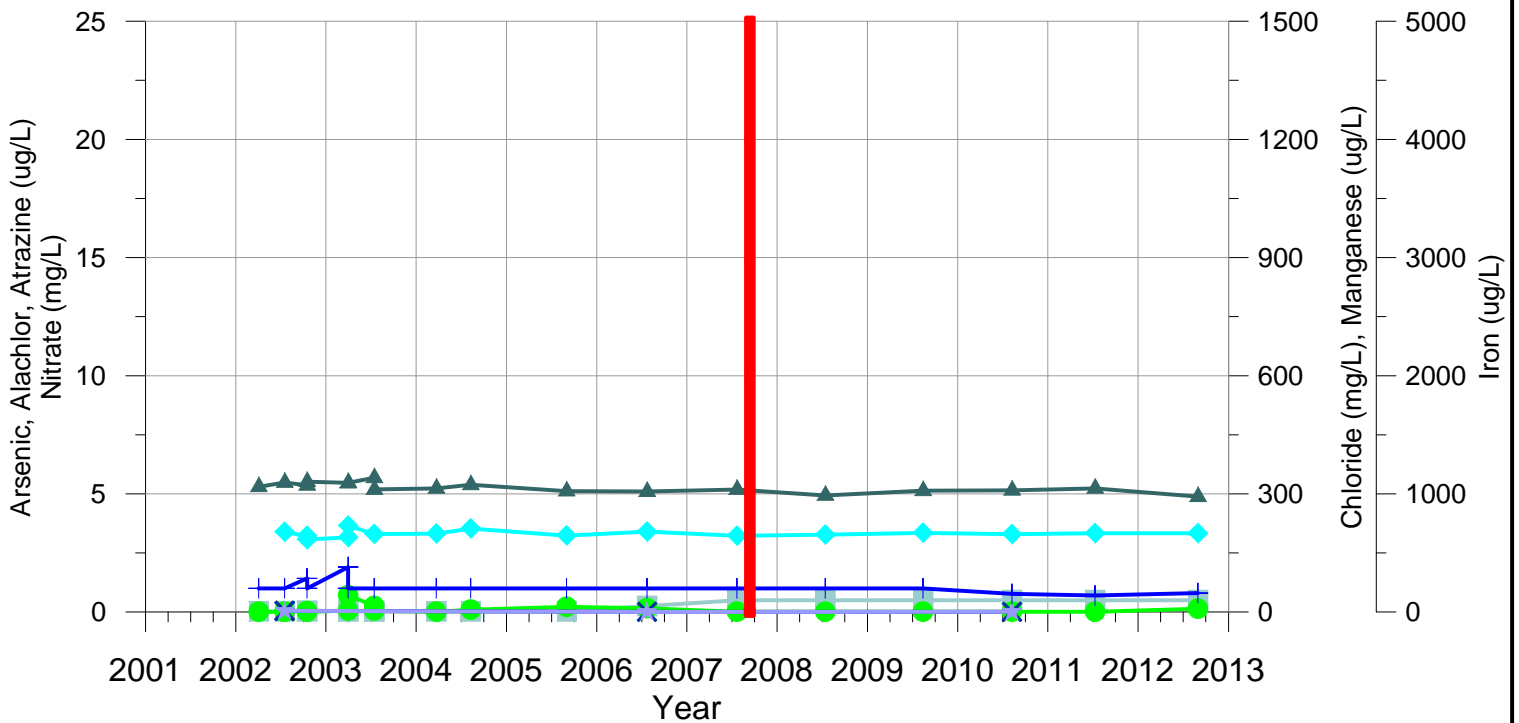
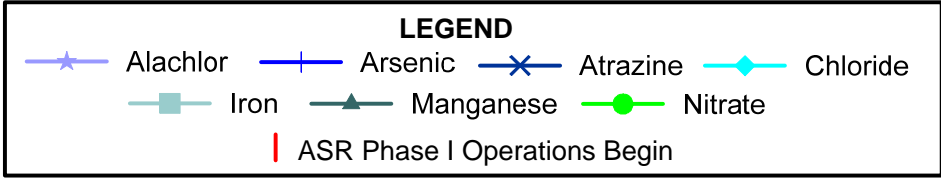
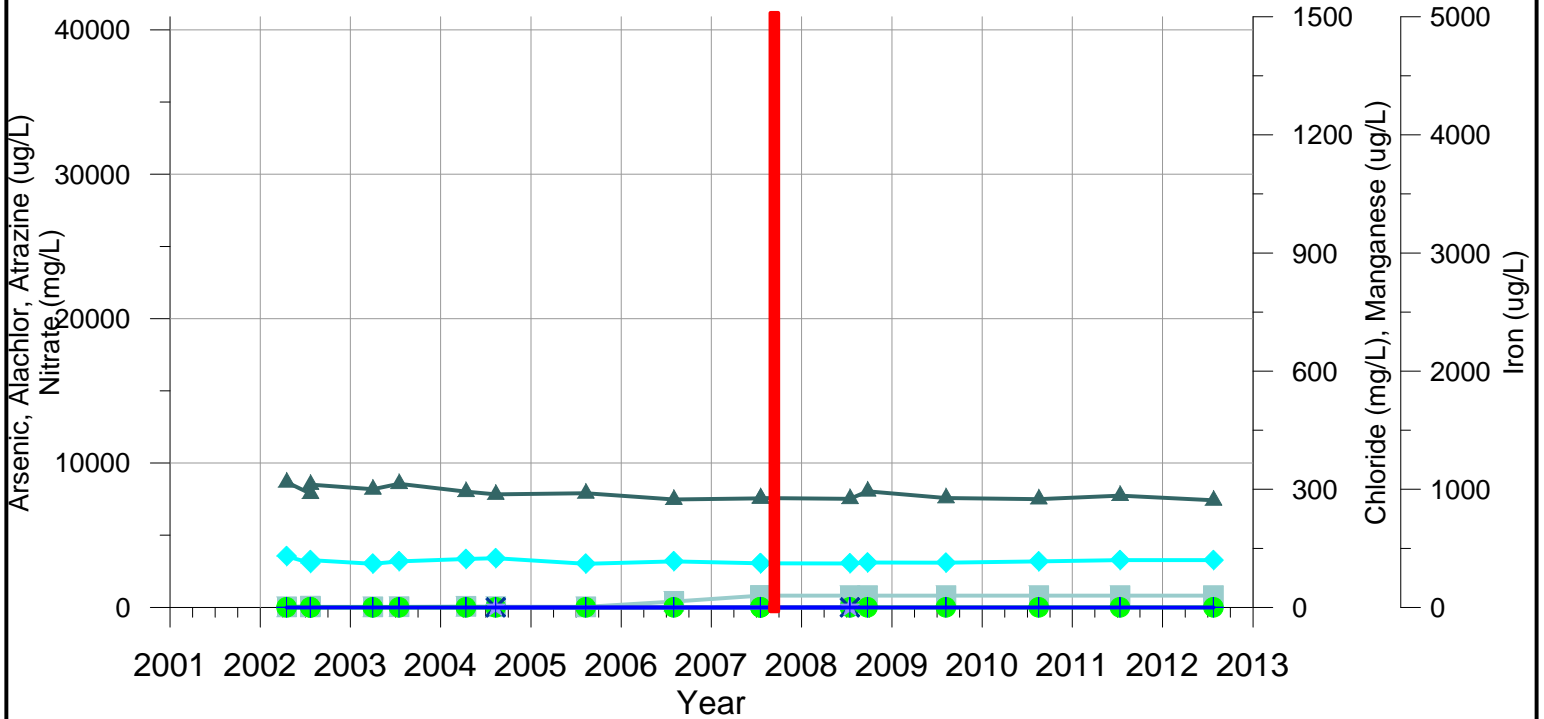


Figure E.15
INDEX WELL WATER QUALITY
IW-29C & IW-30C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	4/11/2002	1125	18.58	1354.77							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	4/11/2002	1126			13.3	43	< 0.01	501	1320		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/18/2002	1040	21.39	1351.96							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/18/2002	1041			11.6	47	0.16	550	1410		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	4/2/2003	1150	18.91	1356.75							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	4/2/2003	1151			12.3	36	< 0.01	575	1720		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/15/2003	1040	22.61	1353.05							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/15/2003	1041			15.2	38	< 0.01	610	1710		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	3/22/2004	1130	17.77	1357.89							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	3/22/2004	1131			13.2	44	< 0.01	553	1815		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/6/2004	1015	19.36	1356.30							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/6/2004	1016				53	< 0.01	563	1781		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/4/2005	1020	18.22	1357.44							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/4/2005	1021			11.6	42.9	< 0.01	549	1997		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/24/2006	1210	21.81	1353.85						< 0.007	< 0.005
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/24/2006	1211			14.5	42.9	< 0.01	544	2390		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/24/2006	1215	21.81	1353.85							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/11/2007	1100	16.12	1359.54							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/11/2007	1101			13	29.2	< 0.01	605	2790		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/10/2008	1220	18.54	1357.12							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/10/2008	1221			11	45.2	< 0.01	549	2730		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/13/2009	1115	17.76	1357.90							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/13/2009	1116			11	40	< 0.01	588	3010		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/10/2010	1105	17.61	1358.05						E 0.0065	E 0.0064
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/10/2010	1106			15.3	24.7	0.06	730	3800		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	8/10/2010	1110	17.61	1358.05							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/7/2011	1120	21.93	1353.73							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	7/7/2011	1121			16.1	26	0.22	807	4490		
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	9/4/2012	1105	24.83	1350.83							
375445097274802	24S 01W 32CCCC02 IW-29C DEEP	9/4/2012	1106			16.8	34	0.51	844	4910		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	4/4/2002	1140	13.65	1384.20							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	4/4/2002	1141			< 1		< 0.01	318	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/18/2002	1105	13.85	1384.00						< 0.05	< 0.05
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/18/2002	1106			< 1	203	< 0.01	329	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/18/2002	1107								< 0.05	
375258097340602	25S 02W 17BBA02 IW-30C DEEP	10/17/2002	1115	14.49	1383.36	E 1.4244	193.34	E 0.042	321.867	< 10		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	10/17/2002	1116			< 1	184	< 0.01	331	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	10/17/2002	1118									
375258097340602	25S 02W 17BBA02 IW-30C DEEP	4/1/2003	1120	13.4	1390.39	< 1.9	189.54	< 0.06	327.99	< 10		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	4/1/2003	1121			< 1	219	0.71	328	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	4/1/2003	1122									
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/16/2003	1130	14.44	1389.35							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/16/2003	1131			< 1		0.26	341	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/16/2003	1135	14.44	1389.35		197.89	< 0.06	311.183	E 4.8272		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/16/2003	1136									
375258097340602	25S 02W 17BBA02 IW-30C DEEP	3/23/2004	1125	13.6	1390.19							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	3/23/2004	1126			< 1	199	< 0.01	314	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/9/2004	1100	13.72	1390.07							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/9/2004	1101			< 1	212	0.1	323	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	9/1/2005	1030	12.6	1391.19							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	9/1/2005	1031			< 1	194	0.22	307	< 5		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/24/2006	1130	13.69	1390.10						< 0.007	< 0.005
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/24/2006	1131			< 1	204	0.16	306	< 50		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/24/2006	1135	13.69	1390.10							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/23/2007	1125	11.33	1392.46							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/23/2007	1126			< 1	193.5	< 0.01	311	< 100		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/14/2008	1105	12.22	1391.57							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/14/2008	1106			< 1	196.2	< 0.01	296	< 100		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/14/2009	1110	13.23	1390.56							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/14/2009	1111			< 1	201	< 0.01	308	< 100		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/9/2010	1125	12.62	1391.17						< 0.007	< 0.008
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/9/2010	1126			0.768	197.6	< 0.01	309	< 100		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/9/2010	1130	12.62	1391.17							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/11/2011	1125	14.28	1389.51							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	7/11/2011	1126			0.7	200	< 0.01	314	< 100		
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/30/2012	1105	17.29	1386.50							
375258097340602	25S 02W 17BBA02 IW-30C DEEP	8/30/2012	1106			0.8	200	0.14	293	< 100		

IW-31C



IW-32C

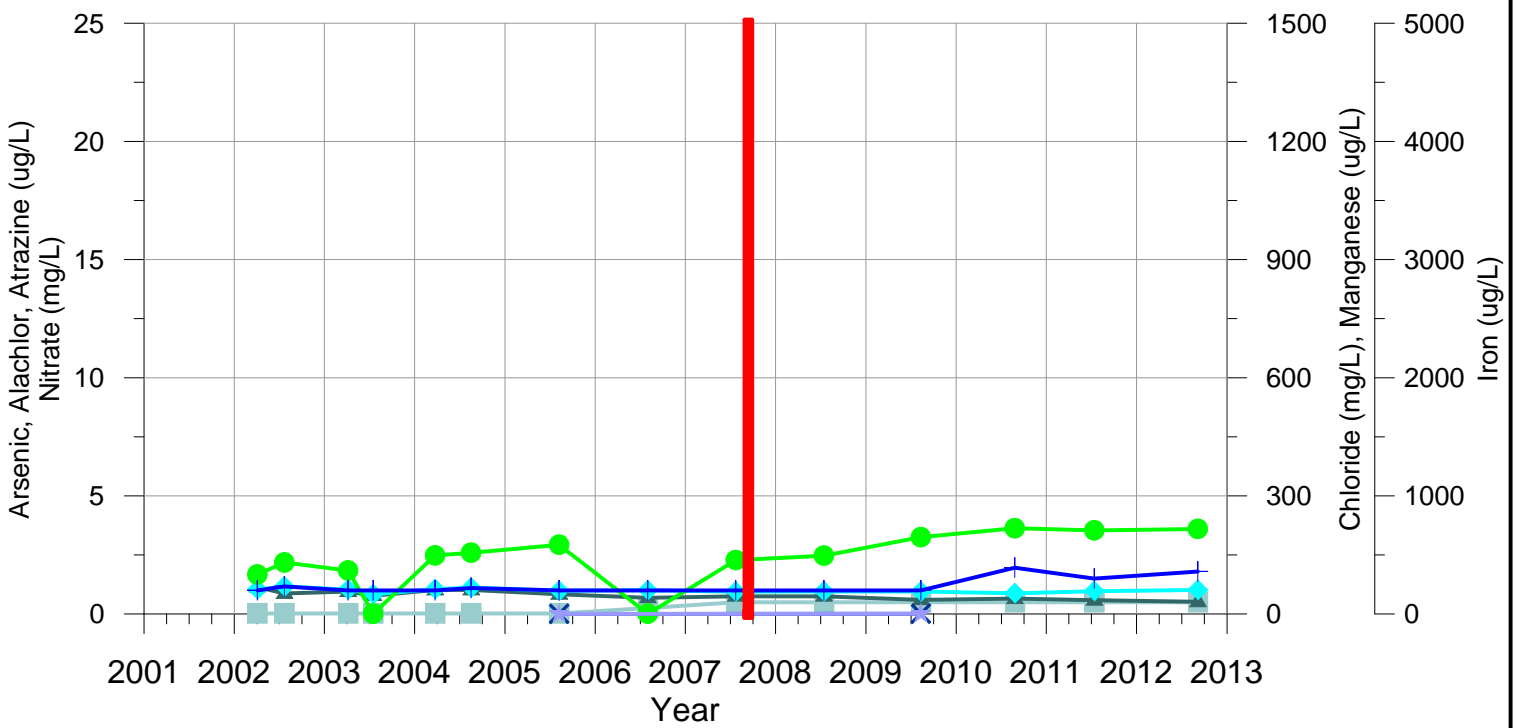
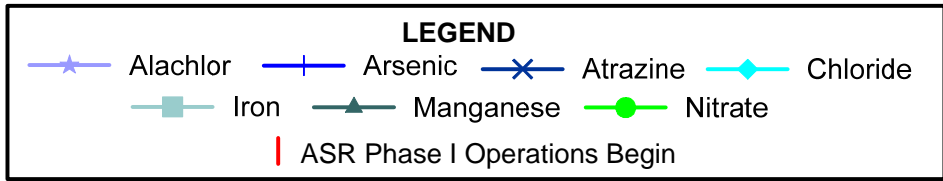
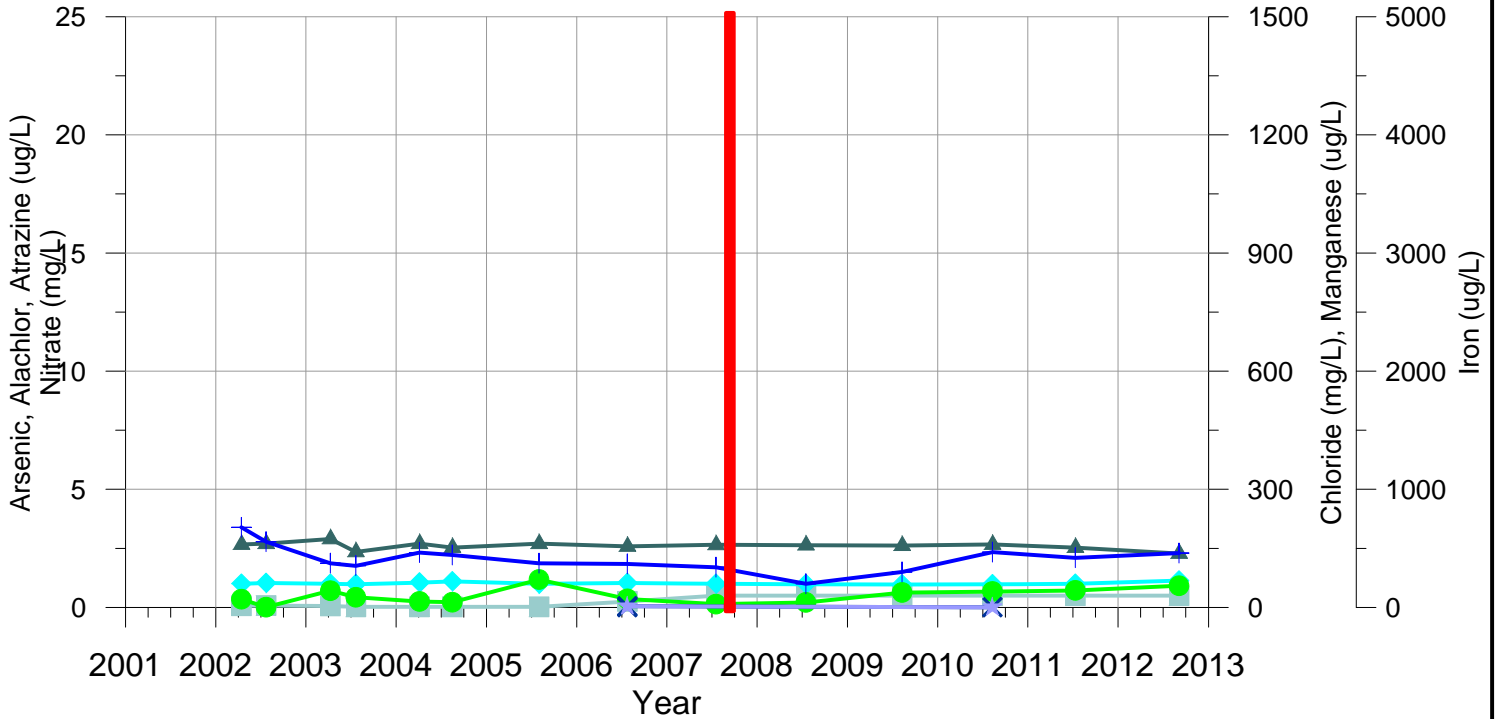


Figure E.16
INDEX WELL WATER QUALITY
IW-31C & IW-32C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375300097321102	25S 02W 158BBB02 IW-31C DEEP	4/18/2002	1410	21.5	1366.75							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	4/18/2002	1411			1.72	130	0.63	318 <	5		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/23/2002	1110	31.75	1356.50	E 1.4092	112.86	< 0.05	289.091 <	10		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/23/2002	1111			1.56	120	0.05	312 <	5		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/23/2002	1112									
375300097321102	25S 02W 158BBB02 IW-31C DEEP	4/2/2003	1125	23.67	1367.39							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	4/2/2003	1126			1.09	111 <	0.01	300	5.14		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/17/2003	940	37.39	1353.67							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/17/2003	941			1.16	117	0.23	314	5.42		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	4/13/2004	1115	23.7	1367.36							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	4/13/2004	1116			1.08	123	0.01	294	8		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	4/21/2004	1055	22.8	1368.26							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/11/2004	1115	29.42	1361.64						< 0.007	< 0.005
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/11/2004	1116			1.66	125	0.06	287	6		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/11/2004	1120	29.42	1361.64							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/11/2005	1005	28.08	1362.98							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/11/2005	1006			1.5	111	0.01	290 <	5		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/2/2006	1120	33.25	1357.80							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/2/2006	1121			1.28	117 <	0.01	274 <	50		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/19/2007	1115	23.7	1367.36							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/19/2007	1116			1.3	112.1 <	0.01	277 <	100		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/19/2007	1120	23.7	1367.36							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/19/2007	1121			1.3	112 <	0.01	278 <	100		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/15/2008	1055	24.02	1367.04						< 0.007	< 0.006
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/15/2008	1056			< 1	111.8 <	0.01	276 <	100		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/15/2008	1100	24.02	1367.04							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	9/24/2008	1000	22.63	1368.43							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	9/24/2008	1001			1	114 <	0.01	295 <	100		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/7/2009	1130	22.36	1368.70							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/7/2009	1131			1.3	113.5 <	0.01	278 <	100		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/18/2010	1135	26.18	1364.88							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	8/18/2010	1136			2.04	116.9	0.23	275 <	100		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/13/2011	1130	34.71	1356.35							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/13/2011	1131			1.6	120	0.3	284 <	100		
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/25/2012	1145	39.06	1352.00							
375300097321102	25S 02W 158BBB02 IW-31C DEEP	7/25/2012	1146			1.7	120	0.22	272 <	100		
375247097300102	25S 02W 138CB02 IW-32C DEEP	4/5/2002	1125	16.27	1361.68							
375247097300102	25S 02W 138CB02 IW-32C DEEP	4/5/2002	1126			< 1	62	1.67	68.5 <	5		
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/23/2002	1055	19.71	1358.24							
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/23/2002	1056			1.17	70	2.18	52.1 <	5		
375247097300102	25S 02W 138CB02 IW-32C DEEP	4/7/2003	1315	17.44	1365.17							
375247097300102	25S 02W 138CB02 IW-32C DEEP	4/7/2003	1316			< 1	62	1.84	56.9 <	5		
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/18/2003	1055	22.1	1360.51							
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/18/2003	1056			< 1	50 <	0.01	46.5 <	5		
375247097300102	25S 02W 138CB02 IW-32C DEEP	3/24/2004	1145	17.33	1365.28							
375247097300102	25S 02W 138CB02 IW-32C DEEP	3/24/2004	1146			< 1	63	2.48	61 <	5		
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/17/2004	1315	16.84	1365.77							
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/17/2004	1316			1.1	67	2.59	61 <	5		
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/8/2005	1155	16.82	1365.79						E 0.0039	< 0.005
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/8/2005	1156			< 1	59	2.93	50 <	5		
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/8/2005	1200	16.82	1365.79							
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/2/2006	1050	19.62	1362.99							
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/2/2006	1051			< 1	60.2 <	0.01	41 <	50		
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/24/2007	1130	18	1364.88							
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/24/2007	1131			< 1	56.7	2.28	45 <	100		
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/15/2008	1300	17	1365.93							
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/15/2008	1301			< 1	57.5	2.47	45 <	100		
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/11/2009	1120	16	1366.17						0.0097	< 0.008
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/11/2009	1121			< 1	56.9	3.25	36 <	100		
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/11/2009	1125	16	1366.17							
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/26/2010	1110	15	1368.08							
375247097300102	25S 02W 138CB02 IW-32C DEEP	8/26/2010	1111			1.96	52.7	3.63	39 <	100		
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/14/2011	1220	20	1362.20							
375247097300102	25S 02W 138CB02 IW-32C DEEP	7/14/2011	1221			1.5	58	3.54	35 <	100		
375247097300102	25S 02W 138CB02 IW-32C DEEP	9/5/2012	1035	22	1360.41							
375247097300102	25S 02W 138CB02 IW-32C DEEP	9/5/2012	1036			1.8	61	3.6	31 <	100		

IW-33C



IW-34C

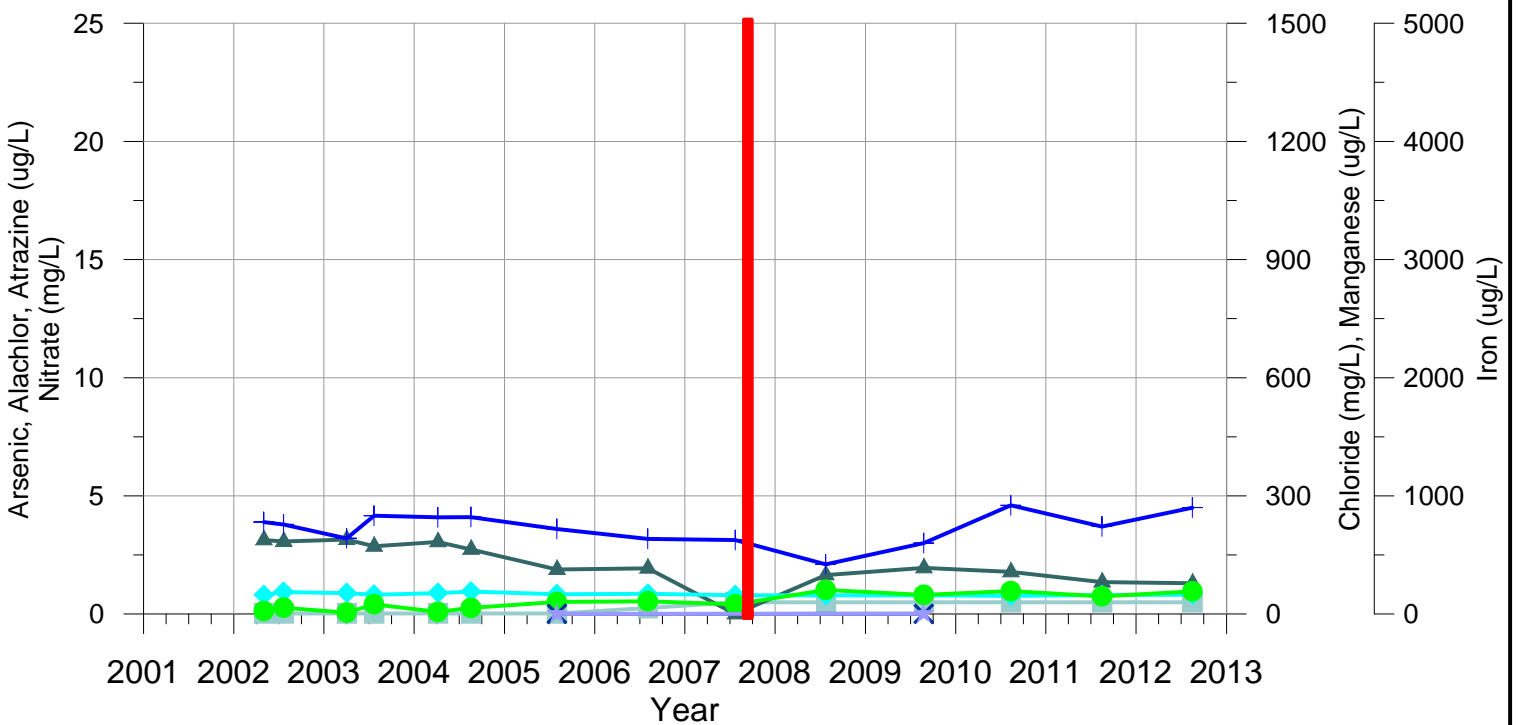
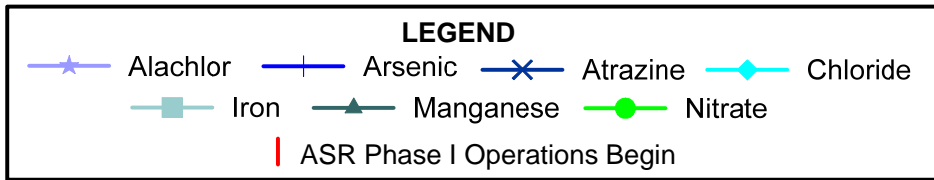
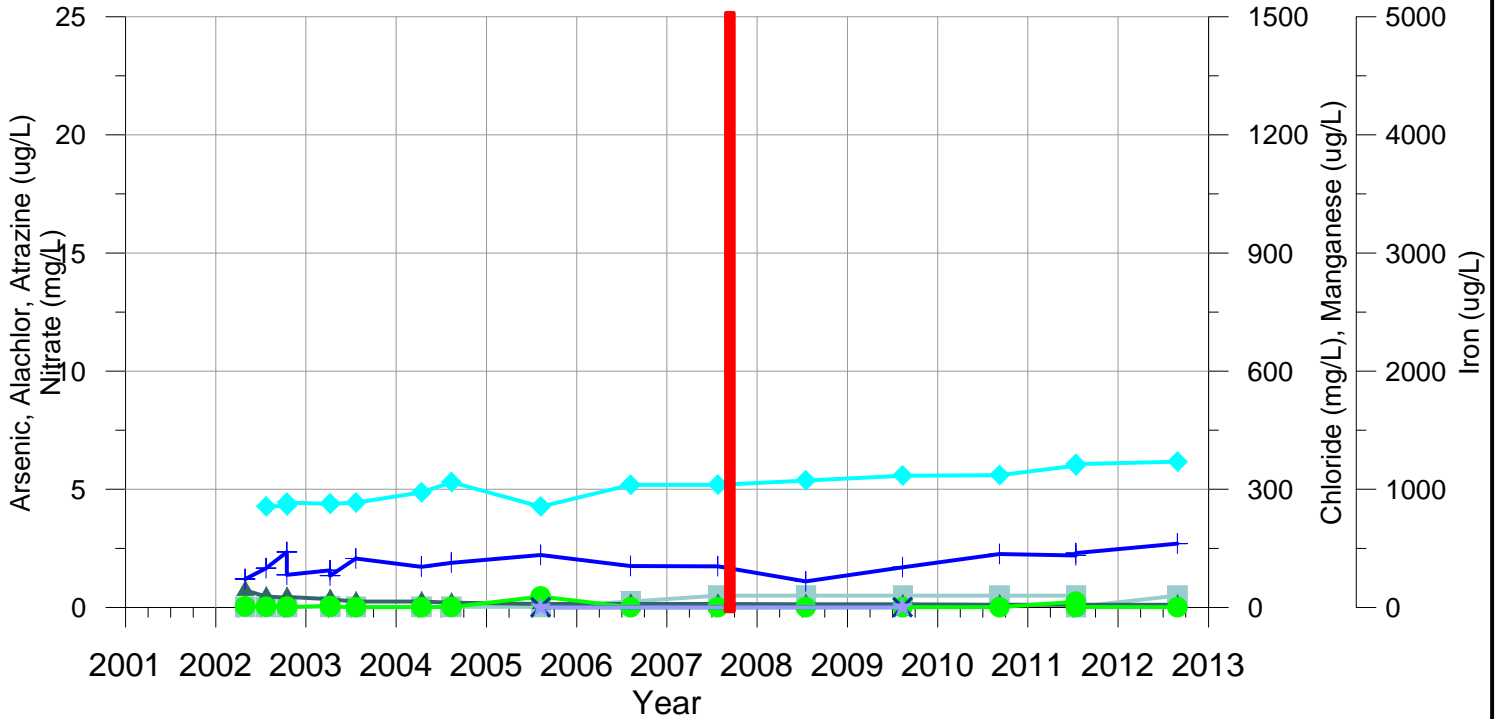


Figure E.17
 INDEX WELL WATER QUALITY
 IW-33C & IW-34C
 2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375326097274502	25S 01W 08CBB02 IW-33C DEEP	4/15/2002	1300	20.49	1352.71							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	4/15/2002	1301			3.39	60	0.35	160	13.7		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/24/2002	1115	22.32	1350.88							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/24/2002	1116			2.78	62	< 0.01	162	15.9		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	4/10/2003	1150	22.79	1354.11							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	4/10/2003	1151			1.87	60	0.71	174	12.2		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/22/2003	1140	23.7	1353.20							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/22/2003	1141			1.76	59	0.43	141	< 5		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	4/5/2004	1155	22.07	1354.83							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	4/5/2004	1156			2.32	63	0.25	162	< 5		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/16/2004	1215	21.52	1355.38							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/16/2004	1216			2.22	66	0.22	152	< 5		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/2/2005	1050	20.05	1356.85							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/2/2005	1051			1.87	60	1.18	162	< 5		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/25/2006	1150	23.18	1353.72					< 0.008		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/25/2006	1151			1.84	61.9	0.36	155	< 50		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/25/2006	1152							< 0.05	< 0.05	
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/25/2006	1155	23.18	1353.72							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/19/2007	1125	21.7	1355.20							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/19/2007	1126			1.7	59.7	0.14	159	< 100		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/17/2008	1020	22.18	1354.72							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/17/2008	1021			< 1	59.2	0.21	158	< 100		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/10/2009	1115	19.57	1357.33							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/10/2009	1116			1.5	58.4	0.63	157	< 100		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/11/2010	1145	19.62	1357.28					< 0.007	< 0.008	
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/11/2010	1146			2.34	58.5	0.67	160	< 100		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	8/11/2010	1150	19.62	1357.28							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/12/2011	1130	22.99	1353.91							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	7/12/2011	1131			2.1	60	0.72	152	< 100		
375326097274502	25S 01W 08CBB02 IW-33C DEEP	9/4/2012	1035	28.07	1348.83							
375326097274502	25S 01W 08CBB02 IW-33C DEEP	9/4/2012	1036			2.3	68	0.92	137	< 100		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	5/3/2002	1125	16.04	1346.76							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	5/3/2002	1126			3.89	48	0.13	188	< 5		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/22/2002	1145	16.72	1346.08							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/22/2002	1146			3.79	56	0.27	184	< 5		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	4/3/2003	1125	16.14	1348.15							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	4/3/2003	1126			3.2	53	0.06	189	< 5		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/23/2003	1050	16.67	1347.62							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/23/2003	1051			4.16	49	0.41	172	< 5		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	4/6/2004	1155	14.84	1349.45							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	4/6/2004	1156			4.09	53	0.09	183	< 5		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	4/20/2004	1455	14.98	1349.31							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/18/2004	1055	14.48	1349.81							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/18/2004	1056			E 4.1	E 57	E 0.26	E 164	< 5		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/1/2005	1125	14.37	1349.92					E 0.0053	< 0.005	
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/1/2005	1126			3.6	50	0.51	113	< 5		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/1/2005	1130	14.37	1349.92							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/4/2006	1115	17.27	1347.02							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/4/2006	1116			3.18	51.3	0.54	116	< 50		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/24/2007	1230	15.49	1348.80							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/24/2007	1231			3.13	47.8	0.41	0.114	< 100		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/24/2008	1045	16.18	1348.11							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	7/24/2008	1046			2.1	47.4	1.02	99	< 100		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/25/2009	1210	14.59	1349.70					< 0.007	< 0.008	
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/25/2009	1211			3	47.2	0.81	117	< 100		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/25/2009	1215	14.59	1349.70							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/12/2010	1005	14.47	1349.82							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/12/2010	1006			4.6	46.1	0.97	107	< 100		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/16/2011	1050	18.34	1345.95							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/16/2011	1051			3.7	48	0.75	81	< 100		
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/16/2012	1000	19.67	1344.62							
375300097255802	25S 01W 09DCDD02 IW-34C DEEP	8/16/2012	1001			4.5	49	0.96	78	< 100		

IW-35C



IW-36C

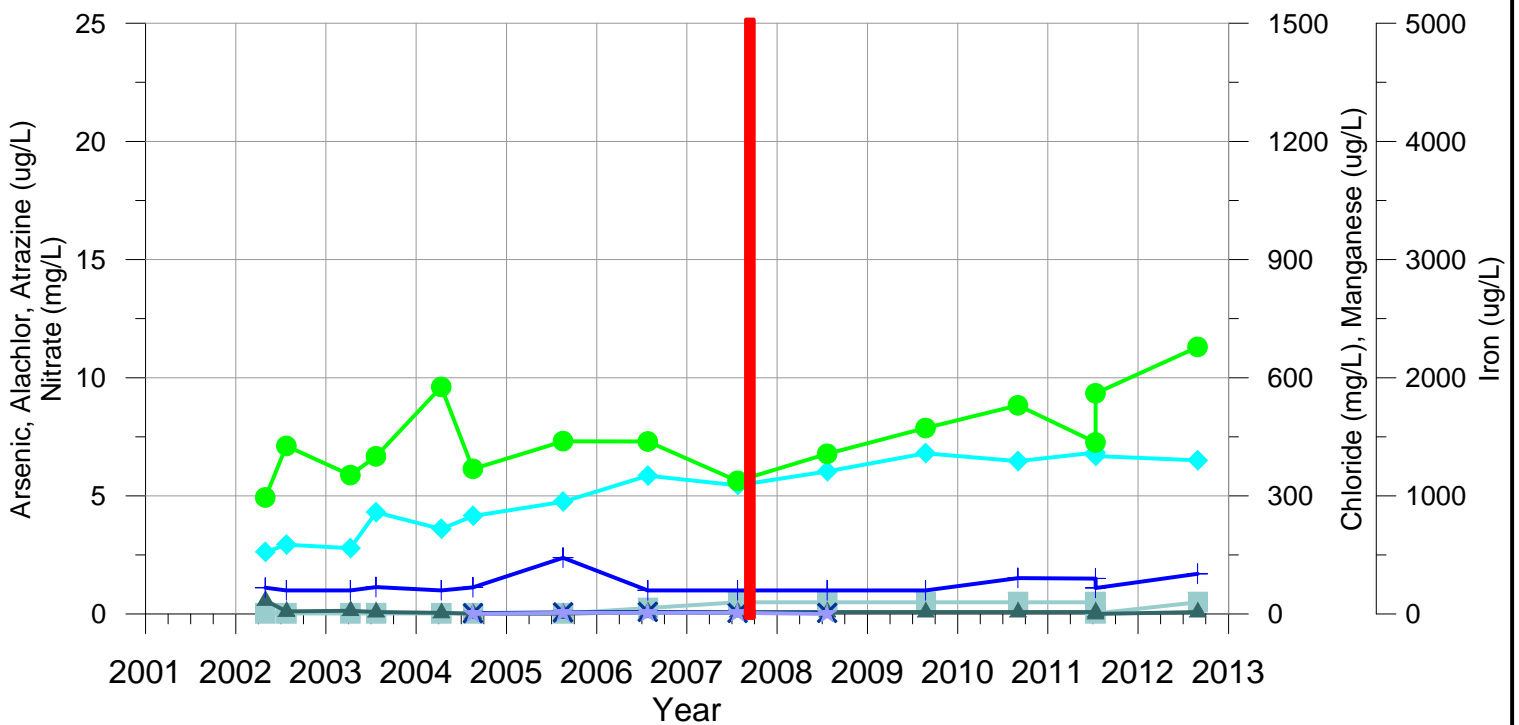
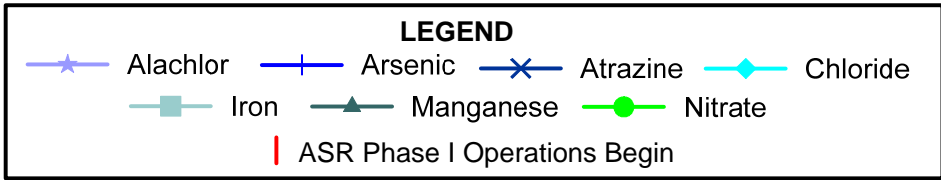
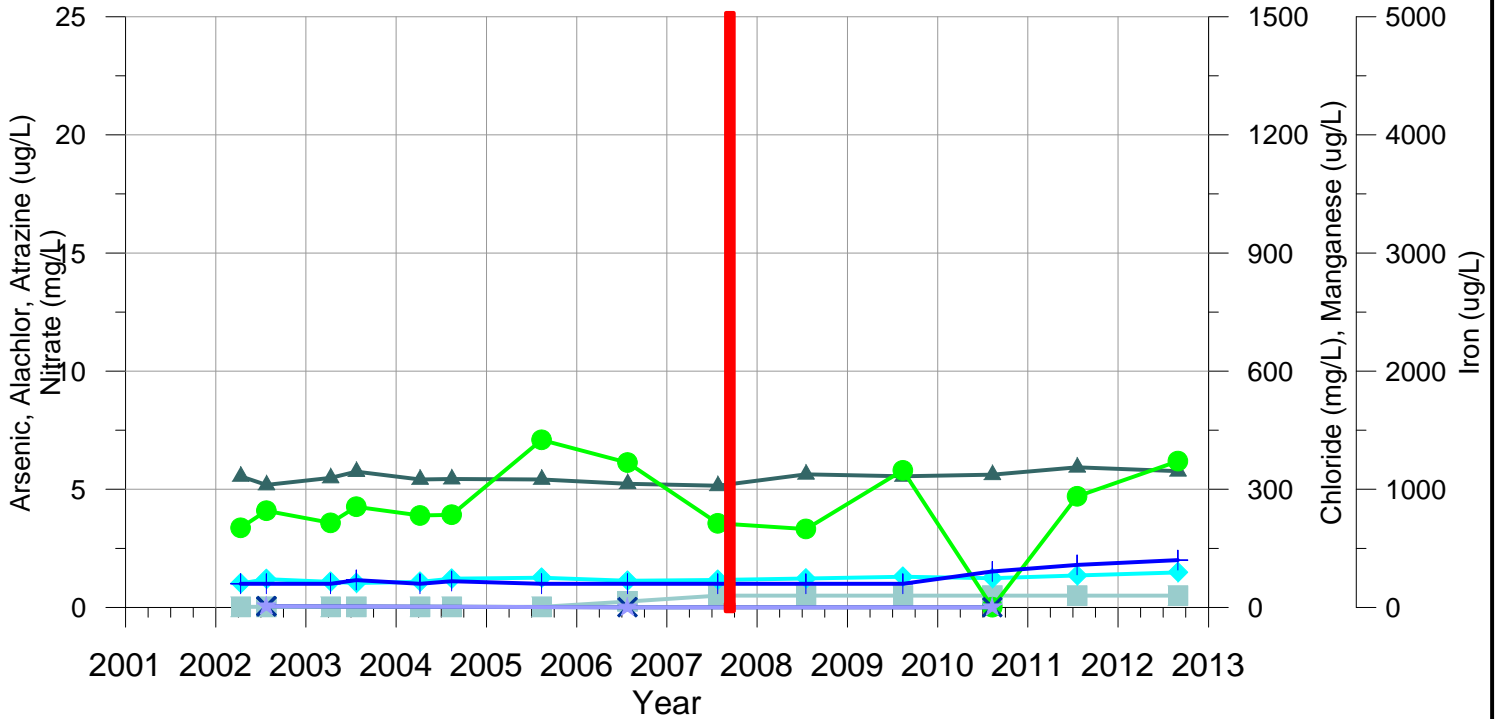


Figure E.18
INDEX WELL WATER QUALITY
IW-35C & IW-36C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/30/2002	1130	8.01	1372.74							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/30/2002	1131			1.2		0.04	43.4	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/24/2002	1110	10.57	1370.18							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/24/2002	1111			1.66	256	0.03	27.9	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	10/16/2002	1220	7.88	1372.87	2.344	258.48	E 0.032	24.793	< 10		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	10/16/2002	1221			1.38	266	< 0.01	26.6	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	10/16/2002	1222									
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/9/2003	1115	7.29	1374.44	E 1.5712	263.27	< 0.06	20.974	< 10		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/9/2003	1116			1.34	263	0.03	20.5	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/9/2003	1117									
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/22/2003	1030	10.81	1370.92							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/22/2003	1031			2.07	266	0.01	15	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/13/2004	1135	7.33	1374.40							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/13/2004	1136			1.72	292	< 0.01	15	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	4/21/2004	1135	4.5	1377.23							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/12/2004	1005	7.53	1374.20							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/12/2004	1006			1.89	318	0.02	12	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/8/2005	1045	8.22	1373.51					< 0.007	< 0.005	
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/8/2005	1046			2.22	256	0.46	9	< 5		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/8/2005	1050	8.22	1373.51							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/7/2006	1045	9	1372.73							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/7/2006	1046			1.75	311	< 0.01	9	< 50		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/26/2007	1130	8	1373.73							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/26/2007	1131			1.74	311.3	< 0.01	9	< 100		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/16/2008	1045	8.29	1373.44							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/16/2008	1046			1.1	322.2	< 0.01	8	100		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/12/2009	1210	10.03	1371.70					< 0.0098	< 0.008	
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/12/2009	1211			1.7	334.4	< 0.01	8	< 100		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/12/2009	1215	10.03	1371.70							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	9/8/2010	1115	9.64	1372.09							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	9/8/2010	1116			2.26	335.9	< 0.01	7	< 100		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/14/2011	1126			2.2	360	0.24	7	< 100		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	7/14/2011	1130	12.46	1369.27	2.3	364	< 0.019	6.83	3.8		
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/28/2012	1115	10.47	1371.26							
375115097313602	25S 02W 22DCDC02 IW-35C DEEP	8/28/2012	1116			2.7	370	< 0.01	7	< 100		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	5/1/2002	1145	10.59	1362.66							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	5/1/2002	1146			1.11	157	4.93	34.7	< 5		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/25/2002	1105	20.77	1352.48							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/25/2002	1106			< 1	176	7.11	6.54	< 5		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	4/10/2003	1200	10.08	1364.85							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	4/10/2003	1201			< 1	167	5.88	8.42	< 5		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/23/2003	1035	15.3	1359.63							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/23/2003	1036			1.14	258	6.67	5	< 5		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	4/12/2004	1200	9.81	1365.12							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	4/12/2004	1201			< 1	216	9.61	3	< 5		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	4/21/2004	1255	9.78	1365.15							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/18/2004	1035	9.66	1365.27					0.0352	< 0.005	
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/18/2004	1036			1.13	249	6.14	1	< 5		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/18/2004	1040	9.66	1365.27							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/18/2005	915	9.93	1365.00					0.07	< 0.05	
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/18/2005	916			2.38	285	7.31	1	< 5		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/27/2006	1105	16.38	1358.55					0.09	< 0.05	
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/27/2006	1106			1	351	7.3	5	< 50		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/25/2007	1205	18.19	1356.74					0.05	< 0.05	
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/25/2007	1206			< 1	327	5.63	5	< 100		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/22/2008	1130	18.31	1356.62					0.0472	< 0.006	
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/22/2008	1131			< 1	362.1	6.78	5	< 100		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/22/2008	1135	18.31	1356.62							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/24/2009	1050	9.14	1365.79							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/24/2009	1051			< 1	408.1	7.87	5	< 100		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	9/2/2010	1050	10.65	1364.28							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	9/2/2010	1051			1.52	388.1	8.83	5	< 100		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/13/2011	1216			1.5	410	7.26	5	< 100		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	7/13/2011	1220	20.09	1354.84	1.1	401	9.34	0.15	4.7		
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/29/2012	1050	14.25	1360.68							
375115097294602	25S 02W 25BBAA02 IW-36C DEEP	8/29/2012	1051			1.7	390	11.3	5	< 100		

IW-37C



IW-38C

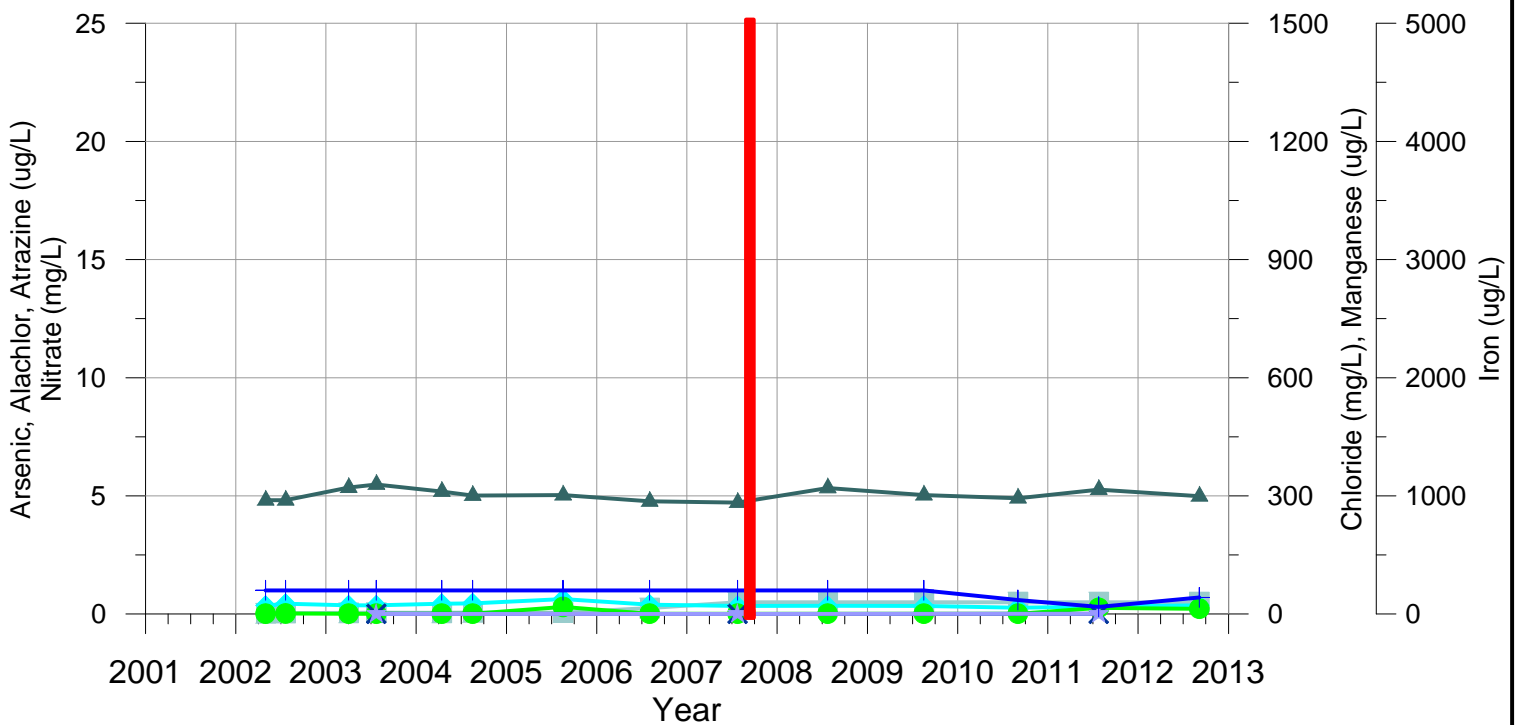
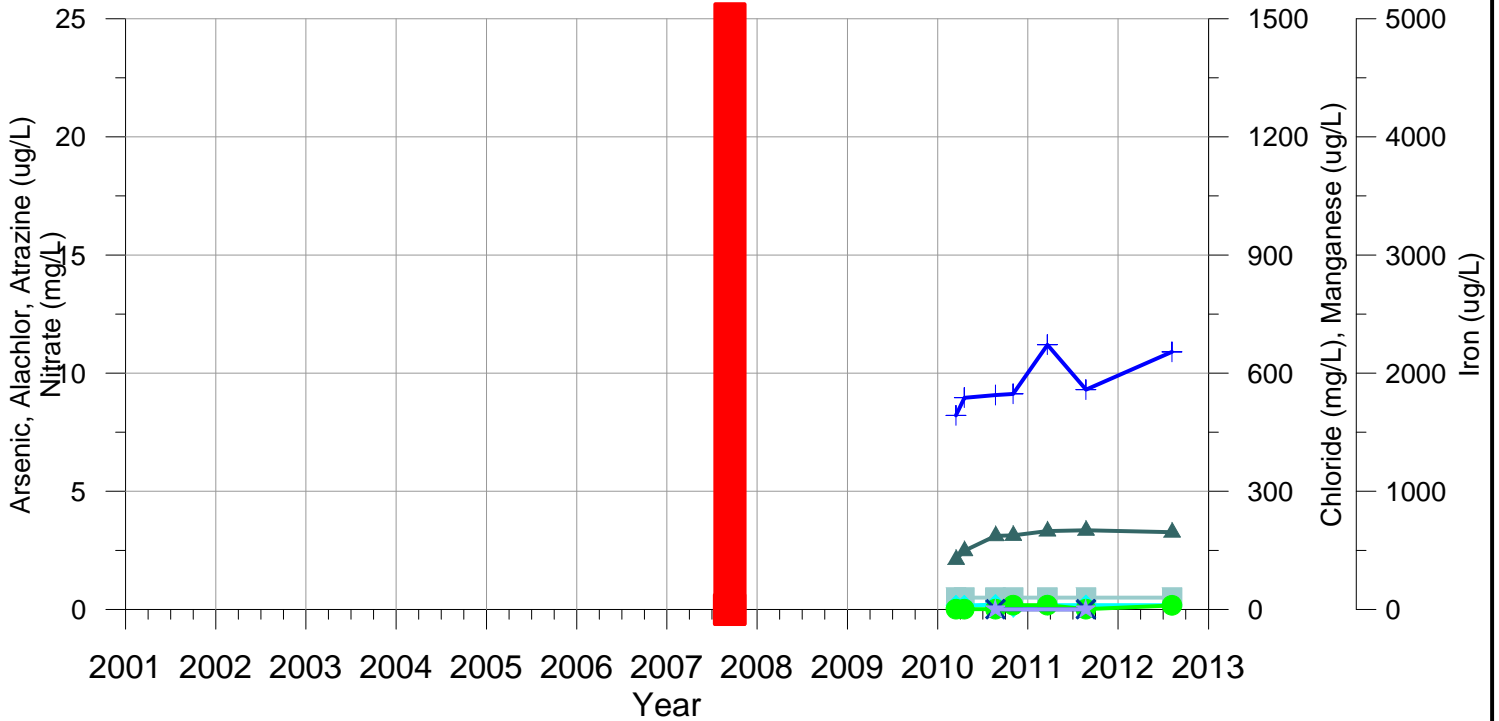


Figure D.19
INDEX WELL WATER QUALITY
IW-37C & IW-38C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	4/12/2002	1305	14.25	1353.60							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	4/12/2002	1306			< 1	61	3.37	333	< 5		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/25/2002	1130	15.52	1352.33					< 0.05	< 0.05	
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/25/2002	1131			< 1	72	4.09	311	< 5		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/25/2002	1132							< 0.05		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	4/11/2003	1125	14.32	1355.58							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	4/11/2003	1126			< 1	65	3.58	329	< 5		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/24/2003	1040	14.81	1355.09							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/24/2003	1041			1.16	62	4.26	345	< 5		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	4/7/2004	1205	13.74	1356.16							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	4/7/2004	1206			1	65	3.89	325	< 5		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	4/20/2004	1545	13.65	1356.25							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/13/2004	1005	12.82	1357.08							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/13/2004	1006			1.11	73	3.92	326	< 5		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/12/2005	1040	12.43	1357.47							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/12/2005	1041			< 1	75.4	7.09	325	< 5		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/26/2006	1130	15.16	1354.74					< 0.007	< 0.005	
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/26/2006	1131			< 1	67.7	6.13	314	< 50		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/26/2006	1135	15.16	1354.74							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/26/2007	1155	13.72	1356.18							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/26/2007	1156			< 1	69.9	3.56	309	< 100		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/17/2008	1025	13.54	1356.36							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/17/2008	1026			1	73.3	3.32	338	< 100		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/13/2009	1105	12.13	1357.77							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/13/2009	1106			< 1	77.8	5.8	333	< 100		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/10/2010	1105	11.61	1358.29					< 0.007	< 0.008	
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/10/2010	1106			1.52	74.1	< 0.01	337	< 100		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/10/2010	1110	11.61	1358.29							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/19/2011	1130	15.65	1354.25							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	7/19/2011	1131			1.8	81	4.7	356	< 100		
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/30/2012	1040	18.24	1351.66							
375116097274702	25S 01W 20CCCC02 IW-37C DEEP	8/30/2012	1041			2	89	6.19	346	< 100		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	5/2/2002	1145	15.6	1351.70							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	5/2/2002	1146			< 1	21	< 0.01	289	5.63		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/22/2002	1155	18.52	1348.78							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/22/2002	1156			< 1	26	0.02	289	7.86		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	4/3/2003	1110	14.05	1348.17							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	4/3/2003	1111			< 1	22	< 0.01	321	10		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/24/2003	1035	18.72	1343.50					< 0.007	< 0.0045	
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/24/2003	1036			< 1	22	0.01	329	10.9		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/24/2003	1040	18.72	1343.50							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	4/14/2004	1125	13.95	1362.22							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	4/14/2004	1126			< 1	26	< 0.01	311	10		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	4/21/2004	1335	14.02	1348.20							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/17/2004	1215	14.32	1347.90							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/17/2004	1216			< 1	27	< 0.01	301	13		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/17/2004	1220	14.32	1347.90							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/18/2005	1140	14.7	1347.52							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/18/2005	1141			< 1	37.8	0.3	302	12		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/3/2006	1050	18.63	1343.59							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/3/2006	1051			< 1	23.8	< 0.01	286	< 50		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/25/2007	1140	16.03	1346.19					E 0.0054	< 0.005	
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/25/2007	1141			< 1	20.4	< 0.01	283	< 100		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/25/2007	1145	16.03	1346.19							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/24/2008	1040	14.3	1347.92							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/24/2008	1041			< 1	20.8	< 0.01	320	< 100		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/17/2009	1305	14.24	1347.98							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	8/17/2009	1306			< 1	20.5	< 0.01	302	< 100		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	9/2/2010	1105	15.76	1346.46							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	9/2/2010	1106			0.59	16.2	< 0.01	294	< 100		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/26/2011	1220	19.84	1342.38					< 0.008	< 0.008	
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	7/26/2011	1221			< 0.3	19	0.26	316	< 100		
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	9/5/2012	1110	20.52	1341.70							
375141097253802	25S 01W 21DAAA02 IW-38C DEEP	9/5/2012	1111			0.7	22	0.22	299	< 100		

CMW-01C



LEGEND

- ★— Atrazine
- +— Arsenic
- x— Nitrate
- ◇— Chloride
- Iron
- ▲— Manganese
- Nitrate

| ASR Phase I Operations Begin

CMW-02C

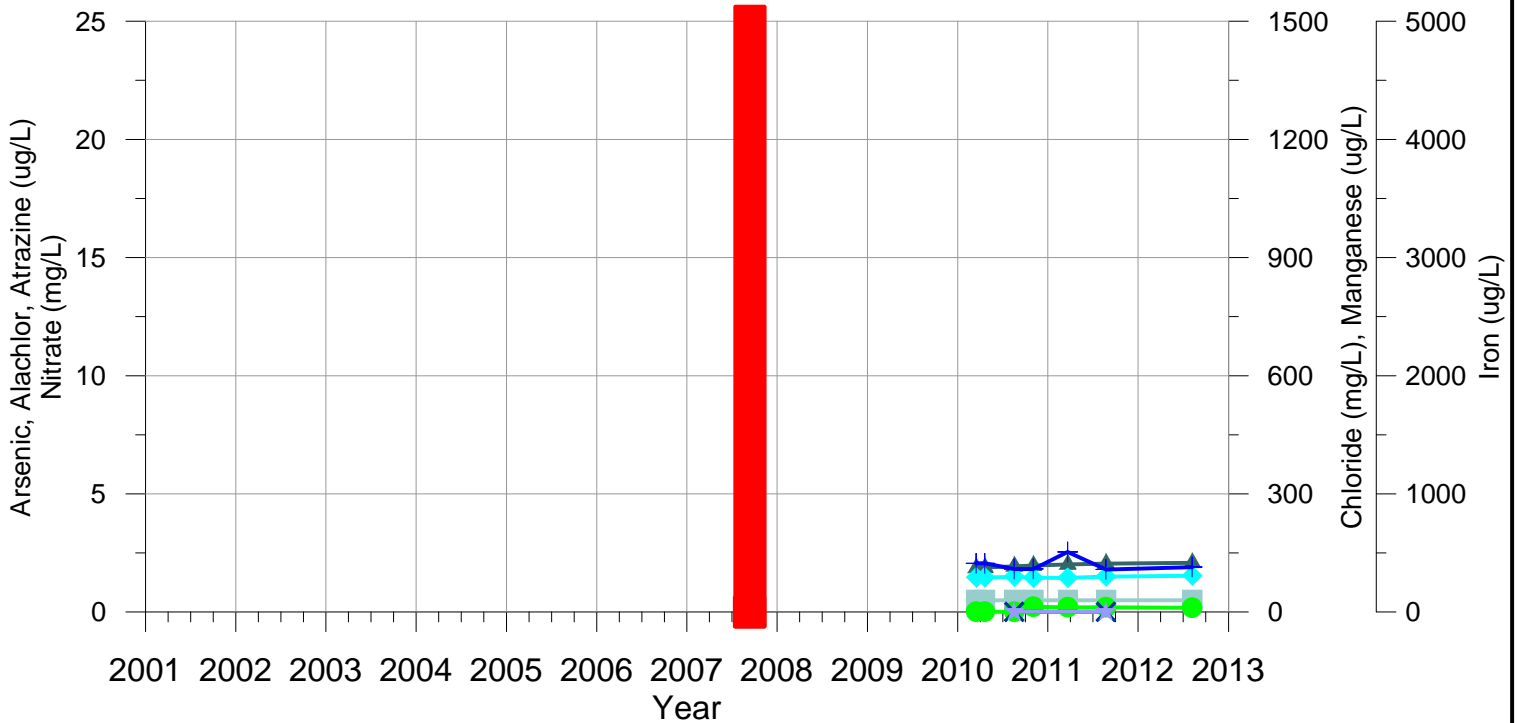
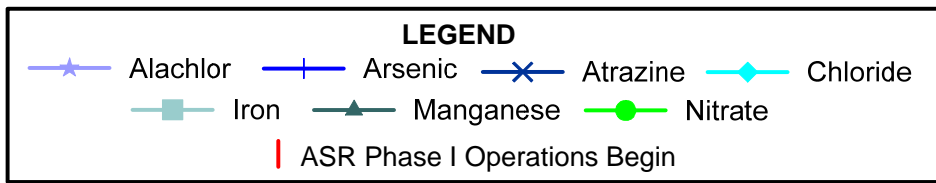
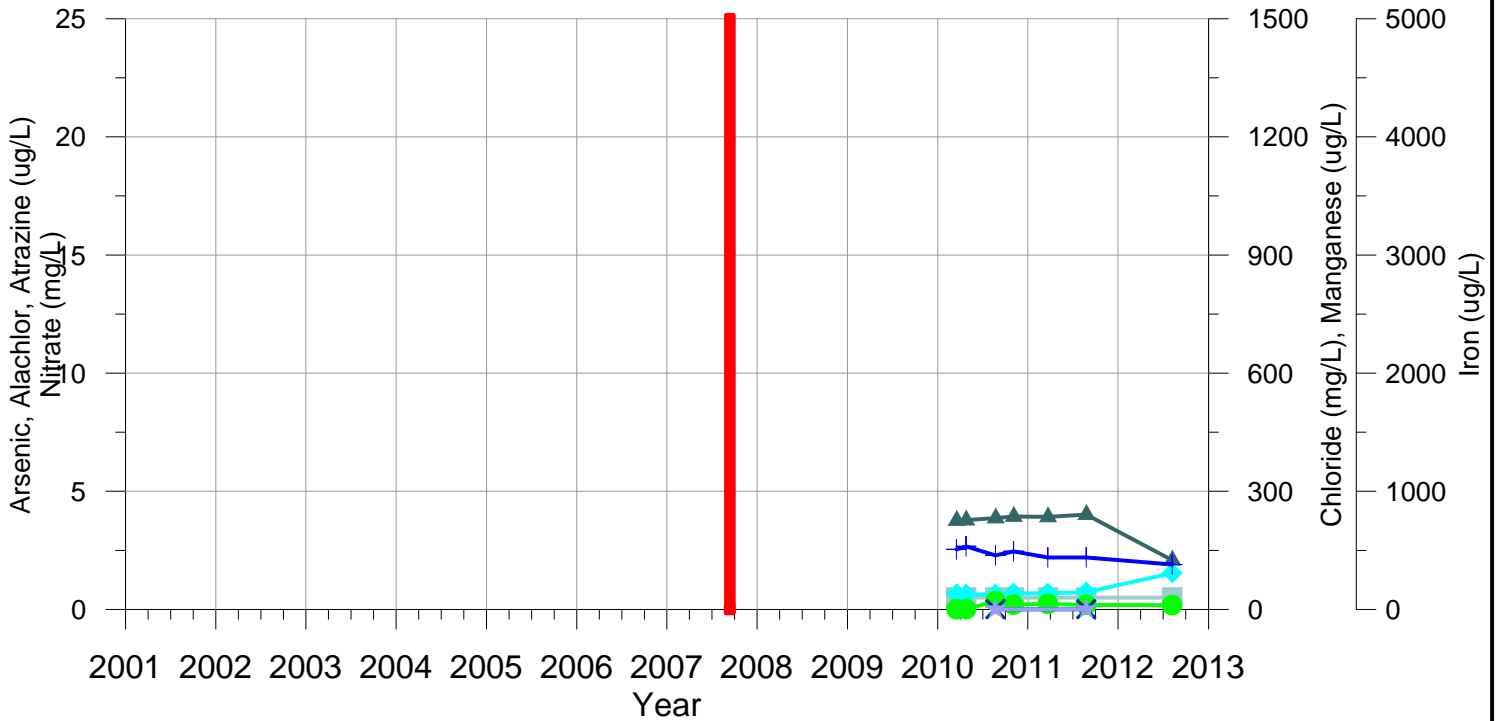


Figure E.20
INDEX WELL WATER QUALITY
CMW-01C & CMW-02C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	3/16/2010	1110	30.51							
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	3/16/2010	1111		8.21	10.2	0.01	127 <	100		
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	4/19/2010	1115	31.66							
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	4/19/2010	1116		8.96	10.2 <	0.01	149 <	100		
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	8/23/2010	1145	36.34						< 0.007 <	0.008
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	8/23/2010	1146		9.07	12.2 <	0.01	187 <	100		
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	8/23/2010	1150	36.34							
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	11/2/2010	1235	31.65							
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	11/2/2010	1236		9.12 <	5	0.18	188 <	100		
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	3/21/2011	1215	28.65							
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	3/21/2011	1216		11.2	11.1	0.18	199 <	100		
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	8/24/2011	1130	35.86						< 0.008 <	0.008
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	8/24/2011	1131		9.3	11 <	0.01	201 <	100		
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	8/6/2012	1130		10.9	11	0.17	196 <	100		
375920097342602	24S 02W 05CCBB02	CMW-01 DEEP A	8/6/2012	1135	41.83							
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	3/17/2010	1115	24.97							
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	3/17/2010	1116		2.06	87.4	0.01	112 <	100		
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	4/21/2010	1050	25.4							
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	4/21/2010	1051		2.06	87.6	0.01	113 <	100		
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	8/18/2010	1125	24.69						< 0.007 <	0.008
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	8/18/2010	1126		1.82	89.7 <	0.01	116 <	100		
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	8/18/2010	1130	24.69							
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	11/3/2010	1130	23.08							
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	11/3/2010	1131		1.82	86.6	0.22	118 <	100		
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	3/22/2011	1155	22.64							
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	3/22/2011	1156		2.54	86.7	0.2	121 <	100		
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	8/24/2011	1120	27.46						< 0.008 <	0.008
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	8/24/2011	1121		1.8	90	0.2	123 <	100		
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	8/7/2012	1045	29.7							
375722097360602	24S 03W 13CDDD02	CMW-02 DEEP A	8/7/2012	1046		1.9	92	0.18	125 <	100		

CMW-03C



CMW-04C

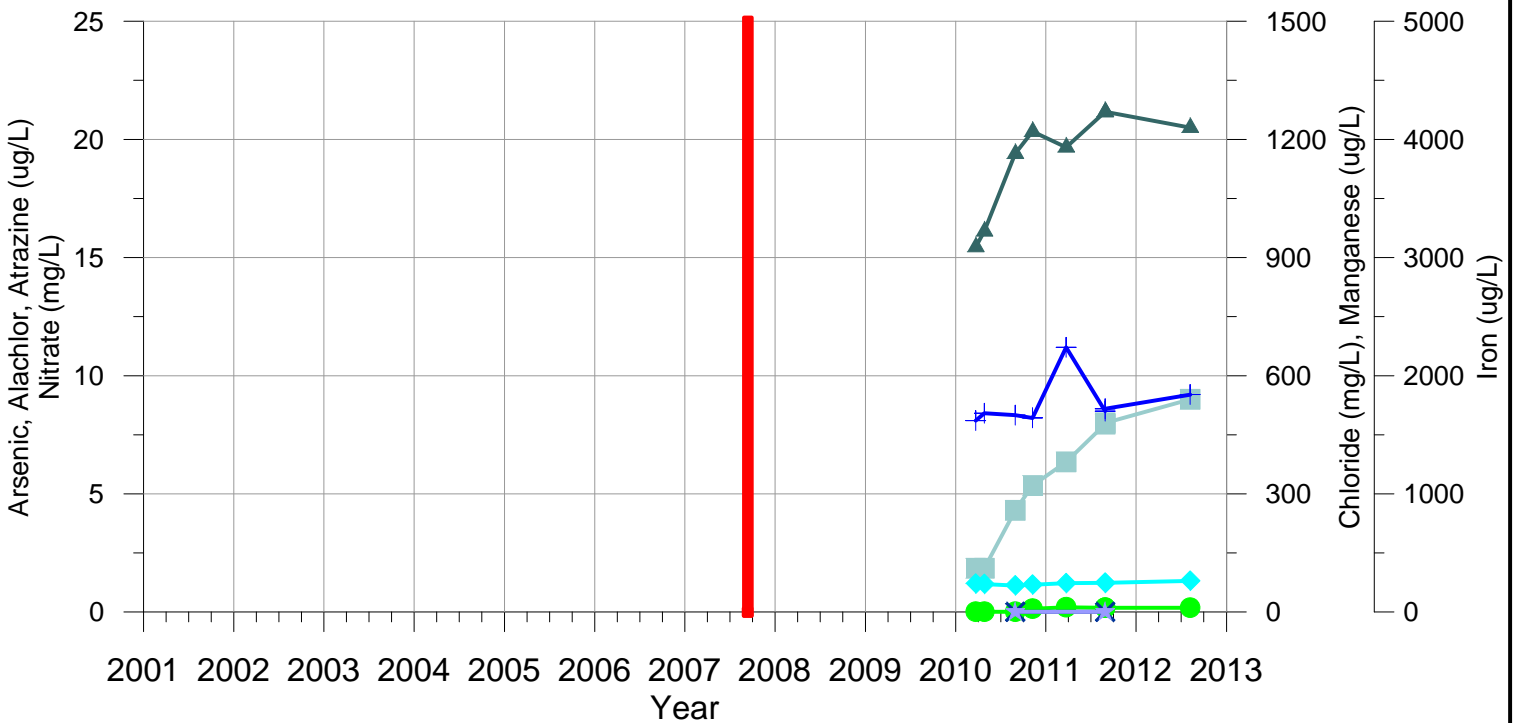
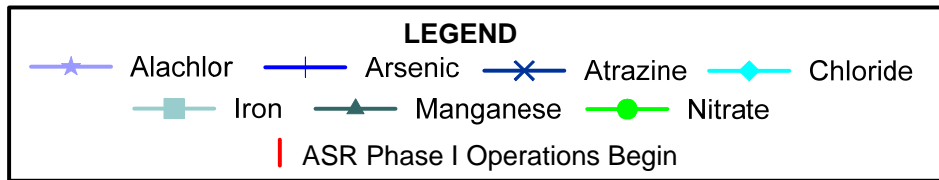
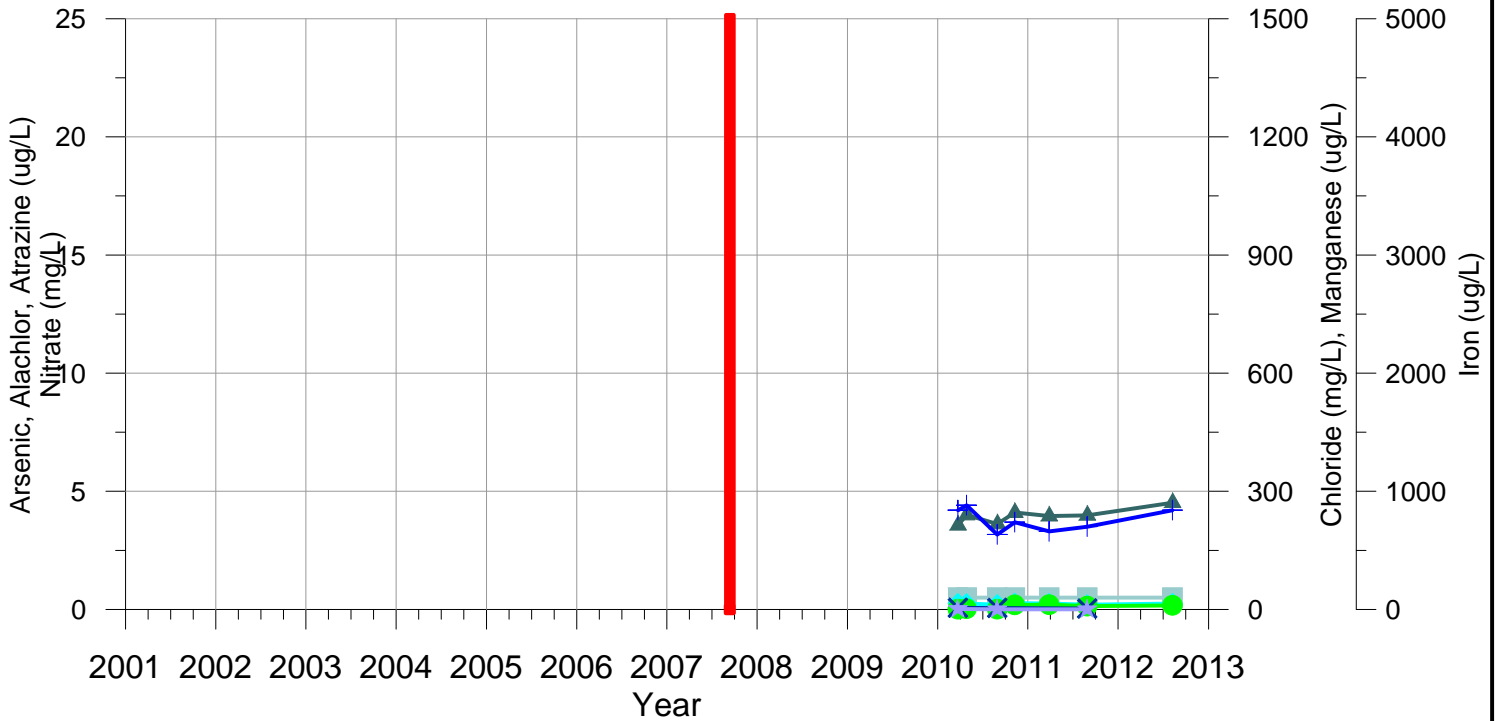


Figure E.21
 INDEX WELL WATER QUALITY
 CMW-03C & CMW-04C
 2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water ftg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	3/18/2010	1105	19.83							
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	3/18/2010	1106		2.54	39	0.01	226 <	100		
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	4/26/2010	1140	22.45							
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	4/26/2010	1141		2.67	38.3	0.01	227 <	100		
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	8/23/2010	1205	21.48						< 0.007	< 0.008
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	8/23/2010	1206		2.29	38.3	0.35	232 <	100		
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	8/23/2010	1210	21.48							
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	11/4/2010	1125	18.75							
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	11/4/2010	1126		2.46	41	0.2	236 <	100		
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	3/23/2011	1125	18.91							
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	3/23/2011	1126		2.2	41	0.23	235 <	100		
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	8/25/2011	1130	25.44						< 0.008	< 0.008
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	8/25/2011	1131		2.2	44	0.19	241 <	100		
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	8/7/2012	1045	29.7							
375722097333602	24S 02W 17DCDD02	CMW-03 DEEP A	8/7/2012	1046		1.9	92	0.18	125 <	100		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	3/23/2010	1210	16.75							
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	3/23/2010	1211		8.1	71.8 <	0.01	927	370		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	4/27/2010	1120	16.43							
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	4/27/2010	1121		8.41	70.9	0.01	967	370		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/30/2010	1235	16.25						< 0.007	< 0.008
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/30/2010	1236		8.33	67.3 <	0.01	1164	860		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/30/2010	1240	16.25							
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	11/8/2010	1135	16.19							
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	11/8/2010	1136		8.21	69.4	0.14	1220	1070		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	3/24/2011	1135	15.88							
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	3/24/2011	1136		11.2	73.1	0.2	1180	1270		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/29/2011	1115	19.76						< 0.008	< 0.008
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/29/2011	1116		8.5	74	0.18	1270	1590		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/29/2011	1126		8.6	74	0.18	1270	1600		
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/7/2012	1110	22.77							
375630097353602	24S 03W 24DDDC02	CMW-04 DEEP A	8/7/2012	1111		9.2	79	0.18	1230	1800		

CMW-05C



CMW-06C

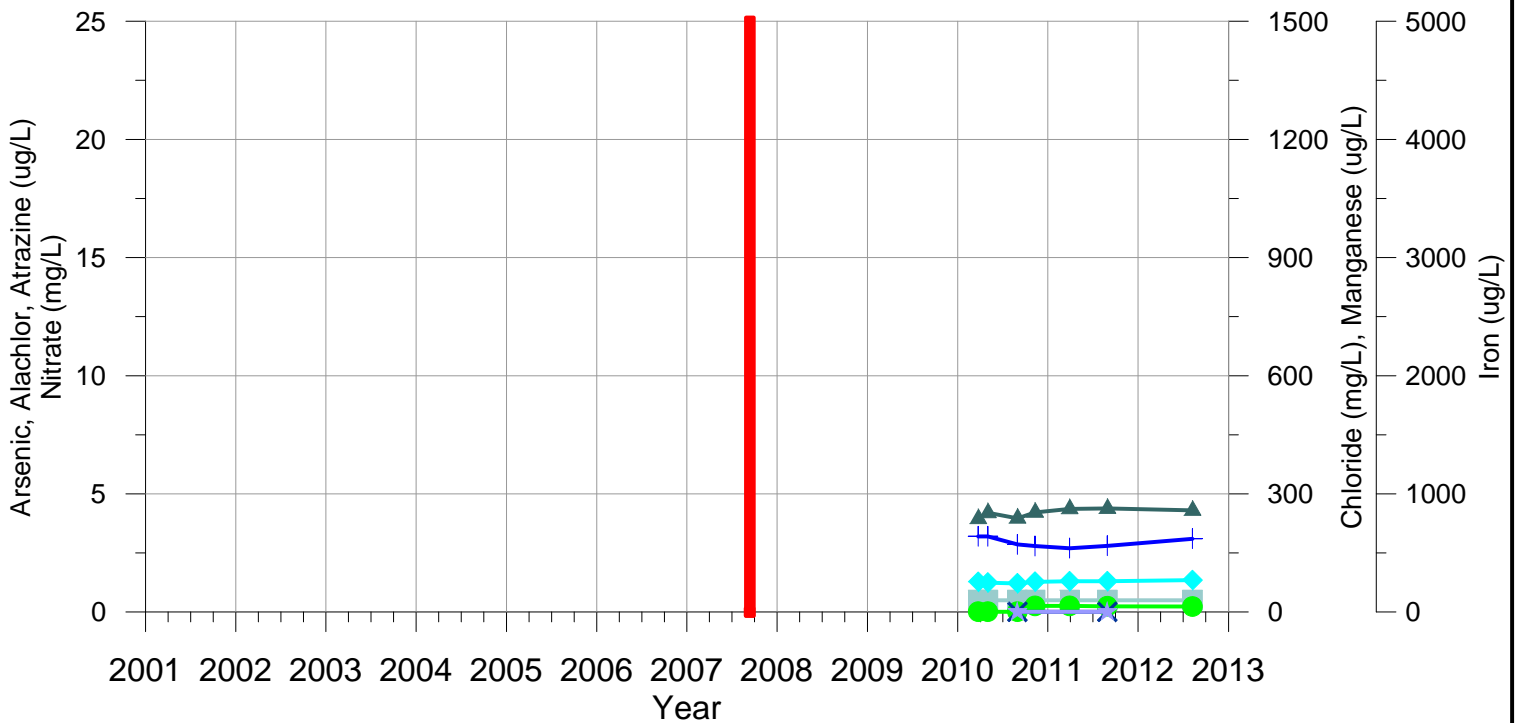


Figure E.22
INDEX WELL WATER QUALITY
CMW-05C & CMW-06C
2001 THROUGH 2012

Station ID	Name	Sample Date	Sample Time	Depth to Water fbg ¹	Water Surface Elevation NGVD29 ²	Arsenic ug/L ³	Chloride mg/L ⁴	Nitrate mg/L ⁴	Manganese ug/L ³	Iron ug/L ³	Atrazine ug/L ³	Alachlor ug/L ³
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	3/24/2010	1130	22.87							
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	3/24/2010	1131		4.2	15.2	< 0.01	214	< 100		
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	3/24/2010	1132							0.07	< 0.02
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	4/28/2010	1135	23.29							
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	4/28/2010	1136		4.41	14.8	0.03	240	< 100		
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	8/30/2010	1115	24.73						0.0606	< 0.008
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	8/30/2010	1116		3.17	12.2	< 0.01	217	< 100		
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	8/30/2010	1120	24.73							
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	11/9/2010	1105	23.65							
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	11/9/2010	1106		3.69	16.1	0.19	246	< 100		
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	3/28/2011	1130	23.01							
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	3/28/2011	1131		3.3	15	0.2	237	< 100		
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	8/29/2011	1145	29.39						0.039	< 0.008
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	8/29/2011	1146		3.5	12	0.14	239	< 100		
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	8/8/2012	1115	28.38							
375629097312302	24S 02W 22DCDD02	CMW-05 DEEP A	8/8/2012	1116		4.2	15	0.17	271	< 100		
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	3/25/2010	1110	22.09							
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	3/25/2010	1111		3.2	76.4	< 0.01	237	< 100		
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	5/3/2010	1045	21.98							
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	5/3/2010	1046		3.2	74.7	< 0.01	252	< 100		
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	8/31/2010	1210	21.82						< 0.007	< 0.008
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	8/31/2010	1211		2.86	72.5	< 0.01	238	< 100		
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	8/31/2010	1215	21.82							
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	11/10/2010	1135	20.13							
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	11/10/2010	1136		2.79	76.7	0.26	253	< 100		
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	3/30/2011	1205	20.87							
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	3/30/2011	1206		2.7	78	0.26	262	< 100		
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	8/30/2011	1130	29.66						< 0.008	< 0.008
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	8/30/2011	1131		2.8	78	0.24	263	< 100		
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	8/8/2012	1045	29.78							
375537097314202	24S 02W 27CDDD02	CMW-06 DEEP A	8/8/2012	1046		3.1	81	0.23	258	< 100		

fbg¹ - feet below grade
 NGVD29² - National Geodetic Vertical Datum 1929
 ug/L³ - micrograms per liter
 mg/L⁴ - milligrams per liter

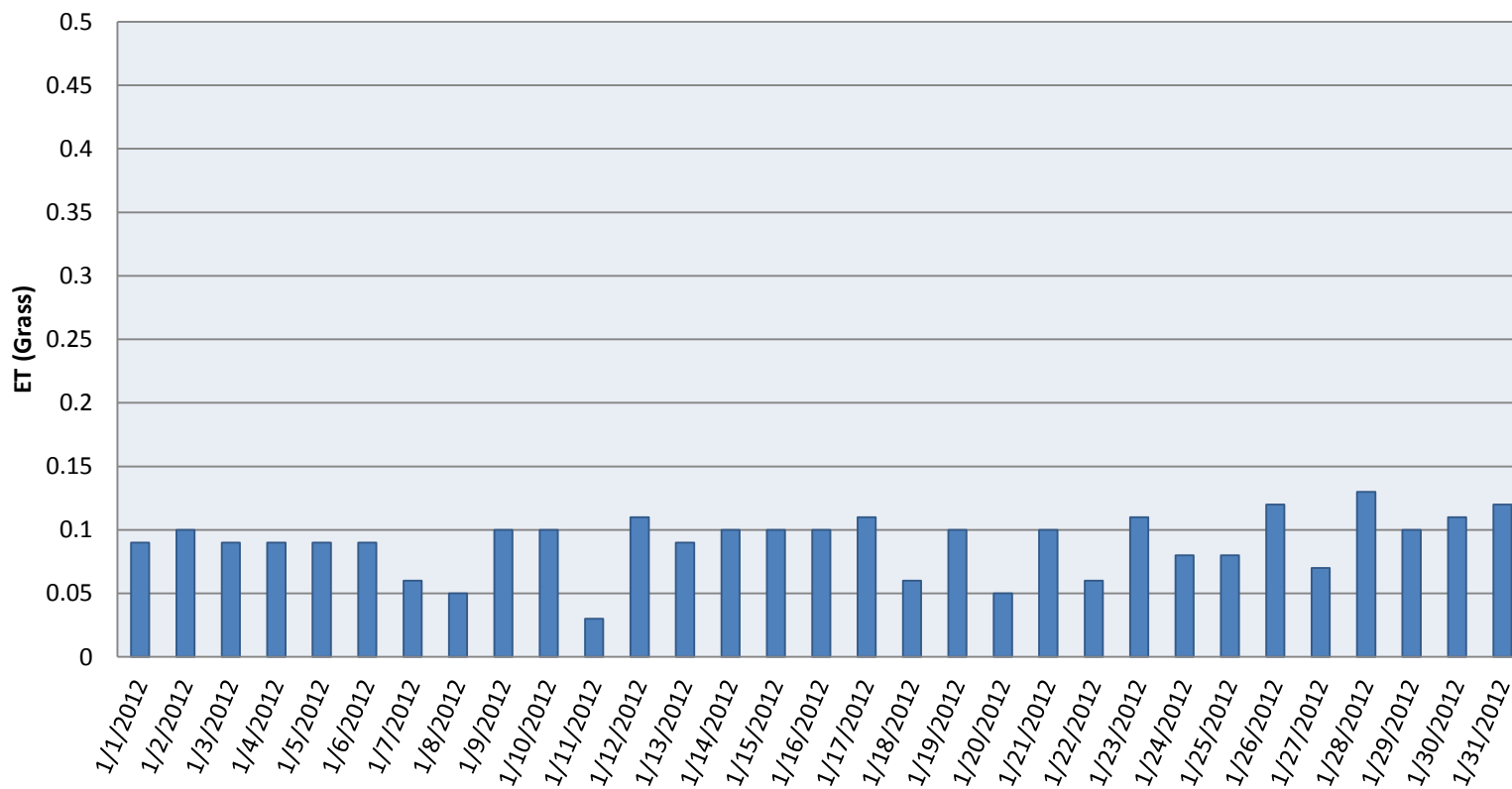
**APPENDIX F –
2012 MONTHLY & ANNUAL PRECIPITATION DATA**

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

JANUARY	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
1/1/2012	47.4	29.5	0	297.4	0	0	0	0	72.1	8.02	19.71	0.09
1/2/2012	39.7	20.9	0	311.8	0	0	0	0	63.8	4.51	11.47	0.1
1/3/2012	53.4	22	0	299.4	0	0	0	0	71.1	6.86	17.08	0.09
1/4/2012	57.3	33.1	0	301.5	0	0	0	0	71.1	5.03	11.25	0.09
1/5/2012	67.3	28.2	0	297.4	0	0	0	0	74.4	3.97	10.56	0.09
1/6/2012	57.1	29.5	0	299.4	0	0	0	0	73.5	6.69	18.68	0.09
1/7/2012	48.7	22.4	0	190	0	0	0	0	78.2	3.51	8.05	0.06
1/8/2012	47	24.5	0	169.3	0	0	0	0	77.7	3.93	9.76	0.05
1/9/2012	54.4	20.9	0	318	0	0	0	0	75.4	2.22	9.88	0.1
1/10/2012	57	21.9	0	307.7	0	0	0	0	75.3	2.13	7.7	0.1
1/11/2012	41.7	21.1	0	101.2	0	0	0	0	82.2	12.18	28.97	0.03
1/12/2012	29.9	16.3	0	324.2	0	0	0	0	48.1	10.23	22.34	0.11
1/13/2012	46.6	14.8	0	282.9	0	0	0	0	57.3	3.23	10.79	0.09
1/14/2012	47.6	28.7	0	315.9	0	0	0	0	54.2	6.7	16.62	0.1
1/15/2012	61.9	28.4	0	326.3	0	0	0	0	58.5	10.21	21.89	0.1
1/16/2012	47.8	25.5	0	322.1	0	0	0	0	74.5	7.51	21.2	0.1
1/17/2012	28.7	11.1	0	338.7	0	0	0	0	72	9.06	22.45	0.11
1/18/2012	39.9	11.1	0	227.1	0	0	0	0	70.7	7.27	18.45	0.06
1/19/2012	32.1	12.9	0	328.3	0	0	0	0	75.1	6.6	16.05	0.1
1/20/2012	30.9	15.8	0	190	0	0	0	0	75.2	7.14	15.48	0.05
1/21/2012	34.2	9	0	326.3	0	0	0	0	72.3	7.15	18.22	0.1
1/22/2012	55.1	30.8	0.07	190	0	0	0	0	83.5	13.38	26.11	0.06
1/23/2012	52.2	28	0	351	0	0	0	0	67.2	5.43	11.37	0.11
1/24/2012	59.8	27.6	0	268.4	0	0	0	0	65.5	5.73	20.28	0.08
1/25/2012	50.1	23.2	0	249.9	0	0	0	0	83.9	5	12.62	0.08
1/26/2012	57	23.1	0	365.5	0	0	0	0	65.7	6.8	22.91	0.12
1/27/2012	52.8	25.7	0	221	0	0	0	0	63.9	8.39	24.17	0.07
1/28/2012	49.8	17.8	0	373.8	0	0	0	0	58.4	5.82	15.93	0.13
1/29/2012	59.2	23	0	328.3	0	0	0	0	57.6	4.34	10.45	0.1
1/30/2012	62.6	25.4	0	355.2	0	0	0	0	75.2	7.41	17.19	0.11
1/31/2012	61.8	31.5	0	361.4	0	0	0	0	72.6	4.9	15.59	0.12

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
January 2012

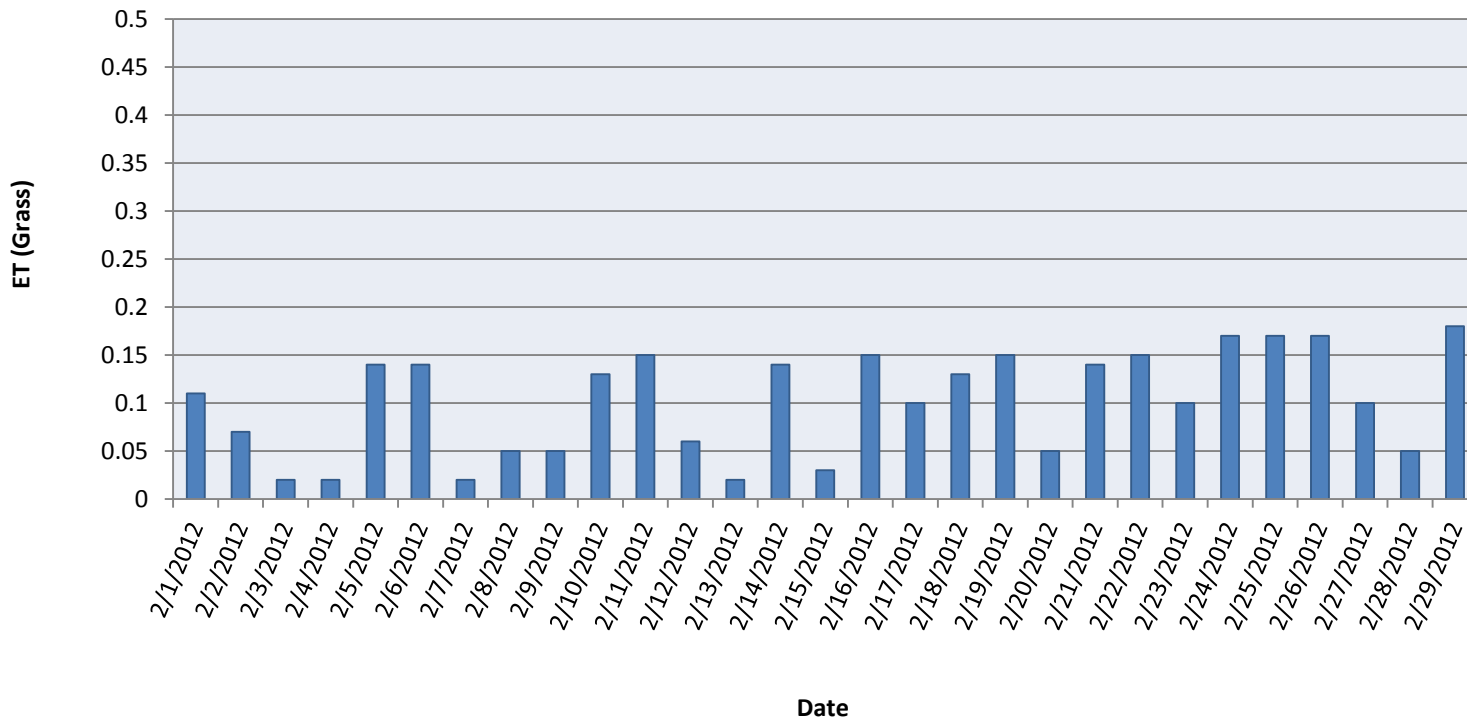


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

FEBRUARY	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
2/1/2012	63.2	24.1	0	328.3	0	0	0	0	62.2	1.77	7.36	0.11
2/2/2012	61	27.1	0.09	223	0	0	0	0	62.6	5.13	16.28	0.07
2/3/2012	50.4	41.6	1.64	68.1	0	0	0	0	100	6.63	21.99	0.02
2/4/2012	41.9	31.9	0	64	0	0	0	0	99.5	11.24	21.08	0.02
2/5/2012	45.5	28.3	0	404.7	0	0	0	0	84.9	5.3	14.45	0.14
2/6/2012	50.4	25.7	0	398.5	0	0	0	0	80.7	2.69	9.53	0.14
2/7/2012	41.4	26.5	0.02	70.2	0	0	0	0	98.5	6.33	12.4	0.02
2/8/2012	32.2	24.4	0	150.7	0	0	0	0	98.2	3.4	10.34	0.05
2/9/2012	39.3	31.2	0	156.9	0	0	0	0	96.8	4.7	10.34	0.05
2/10/2012	32.9	14.9	0	357.2	0	0	0	0	77.7	11.34	21.2	0.13
2/11/2012	24.8	9.3	0	433.6	0	0	0	0	67.5	6.55	19.25	0.15
2/12/2012	27.4	12.9	0	169.3	0	0	0	0	76.6	8.87	20.86	0.06
2/13/2012	34.8	25.7	0	49.6	0	0	0	0	99.8	8.68	22.91	0.02
2/14/2012	49.5	19.7	0	404.7	0	0	0	0	91.4	4.02	12.4	0.14
2/15/2012	42.7	31.6	0	84.7	0	0	0	0	99.9	4.66	14.22	0.03
2/16/2012	51.5	24.1	0	446	0	0	0	0	83	2.42	8.28	0.15
2/17/2012	55.4	29.2	0	309.7	0	0	0	0	86.4	3.65	14.11	0.1
2/18/2012	44.7	28.3	0.01	382	0	0	0	0	79.9	5.71	15.02	0.13
2/19/2012	51.4	24	0	446	0	0	0	0	84.2	5.47	16.62	0.15
2/20/2012	54.2	38.1	0.11	138.4	0	0	0	0	91.6	13.79	24.97	0.05
2/21/2012	55.4	29.7	0	400.6	0	0	0	0	68.1	5.95	13.99	0.14
2/22/2012	69.6	34.4	0	446	0	0	0	0	63.5	5.83	21.65	0.15
2/23/2012	53.7	33.6	0	311.8	0	0	0	0	72	10.62	25.66	0.1
2/24/2012	50.4	26.4	0	485.3	0	0	0	0	65.1	7	18.34	0.17
2/25/2012	58.1	21.5	0	499.7	0	0	0	0	62.1	9.8	26.23	0.17
2/26/2012	59.9	30.3	0	497.7	0	0	0	0	46.8	6.07	24.86	0.17
2/27/2012	47.1	27.9	0	309.7	0	0	0	0	62.8	5.9	11.02	0.1
2/28/2012	66.8	42.4	1.13	148.7	0	0	0	0	79	12.01	36.75	0.05
2/29/2012	59	35.3	0	505.9	0	0	0	0	60.4	7.66	23.37	0.18

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
February 2012

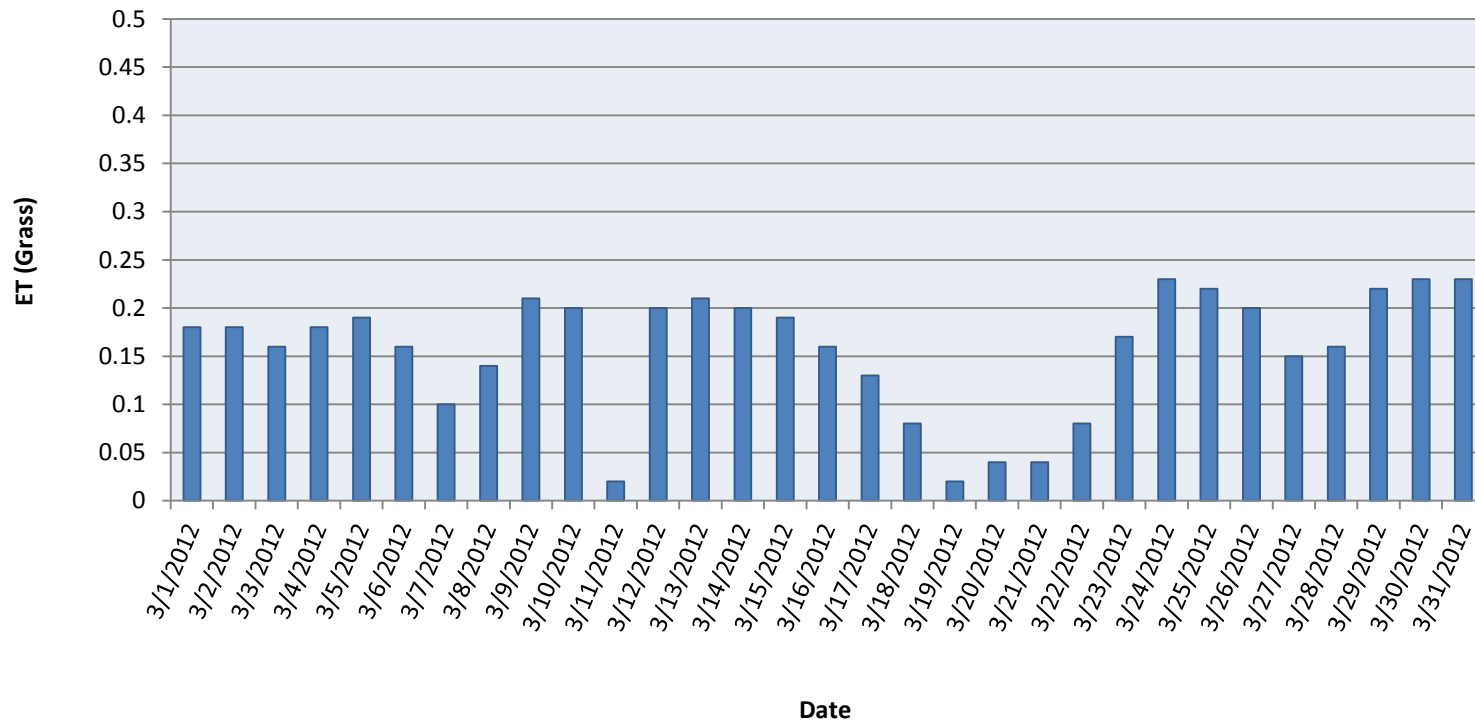


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

MARCH	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
3/1/2012	66.2	34.1	0	508	0	0	0	0	66.1	6.89	18.45	0.18
3/2/2012	53.1	33.4	0	497.7	0	0	0	0	66.2	8.54	18.34	0.18
3/3/2012	49.4	25.6	0	474.9	0	0	0	0	60.4	5.99	19.02	0.16
3/4/2012	66.9	31.2	0	499.7	0	0	0	0	55.5	7.84	23.37	0.18
3/5/2012	65.6	27.3	0	536.9	0	0	0	0	61.4	9.44	23.02	0.19
3/6/2012	70.1	50.8	0	458.4	0	0	0	0	63.5	16.81	29.66	0.16
3/7/2012	68.1	40	0	305.6	0	0	0	0	79.9	14.27	28.51	0.1
3/8/2012	50.5	31.4	0.12	394.4	0	0	0	0	72.4	7.65	19.02	0.14
3/9/2012	60	27.6	0	572	0	0	0	0	58.9	3.26	10.45	0.21
3/10/2012	60	32.7	0	559.6	0	0	0	0	64.3	6.45	18.45	0.2
3/11/2012	50.5	44.5	0.17	70.2	0	0	0	0	97.5	6.08	13.31	0.02
3/12/2012	78.3	43.8	0	553.4	0	0	0	0	79.4	5.37	12.16	0.2
3/13/2012	78.4	43.7	0	574.1	0	0	0	0	80.3	7.68	18.68	0.21
3/14/2012	79.3	59.8	0	567.9	0	0	0	0	87.2	11.84	20.4	0.2
3/15/2012	77.8	60.7	0	518.3	0	0	0	0	88	7.86	17.31	0.19
3/16/2012	76.2	58.2	0	446	0	0	0	0	91.8	10.23	21.89	0.16
3/17/2012	77	63.4	0	365.5	0	0	0	0	91.4	13.51	23.71	0.13
3/18/2012	73.1	62.1	0	233.3	0	0	0	0	93.1	14.4	24.05	0.08
3/19/2012	67.9	52.9	0.88	70.2	0	0	0	0	98.3	9.15	25.2	0.02
3/20/2012	55.3	50.2	0.21	111.5	0	0	0	0	99.5	5.09	11.47	0.04
3/21/2012	58	44.9	0.62	109.4	0	0	0	0	99.8	4.48	16.17	0.04
3/22/2012	55.2	43.2	0.18	223	0	0	0	0	98.1	4.44	11.71	0.08
3/23/2012	63.3	45.2	0.05	470.8	0	0	0	0	91.7	4.61	10.45	0.17
3/24/2012	72.8	45.8	0	617.4	0	0	0	0	83.9	2.67	8.85	0.23
3/25/2012	74.7	43.7	0	609.2	0	0	0	0	84.4	4.54	15.02	0.22
3/26/2012	77.2	52.8	0	557.5	0	0	0	0	84.5	9.87	20.51	0.2
3/27/2012	75.8	60.5	0	417.1	0	0	0	0	83.8	6.27	21.08	0.15
3/28/2012	74.4	54.2	0	437.8	0	0	0	0	93.4	5.4	15.14	0.16
3/29/2012	81.8	60.8	0	596.8	0	0	0	0	87.5	8.45	20.62	0.22
3/30/2012	79	49.8	0	636	0	0	0	0	77.5	2.77	8.5	0.23
3/31/2012	82.3	53.7	0	621.6	0	0	0	0	79.1	4.9	13.19	0.23

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
March 2012

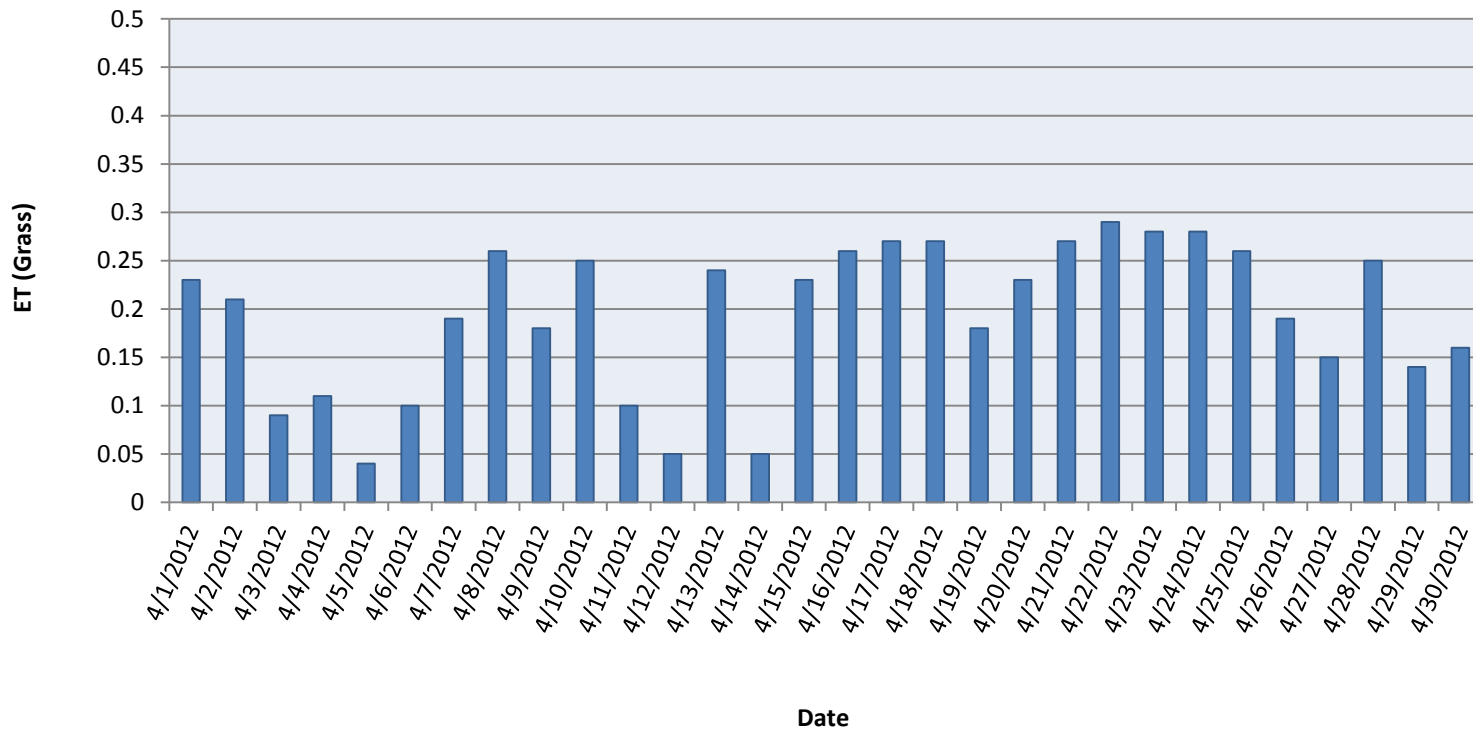


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

APRIL	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
4/1/2012	85	60.5	0	615.4	0	0	0	0	81.8	9.72	19.94	0.23
4/2/2012	83.1	57.5	0	588.5	0	0	0	0	81.9	10.79	20.05	0.21
4/3/2012	65.7	51	0	237.5	0	0	0	0	92.8	5.81	14.34	0.09
4/4/2012	62.4	53.3	0.53	318	0	0	0	0	99.2	6.2	13.53	0.11
4/5/2012	55.3	49.2	0	103.2	0	0	0	0	99.8	5.17	11.59	0.04
4/6/2012	59.8	42.4	0	272.6	0	0	0	0	98	4.68	12.74	0.1
4/7/2012	64.1	43.2	0.17	528.6	0	0	0	0	80.6	7.55	21.99	0.19
4/8/2012	65.9	35.2	0	698	0	0	0	0	73	3.49	10.56	0.26
4/9/2012	67	39.5	0	481.1	0	0	0	0	90	2.77	11.37	0.18
4/10/2012	66.4	46.1	0	664.9	0	0	0	0	61.8	5.38	11.94	0.25
4/11/2012	57.5	48.8	0	272.6	0	0	0	0	61.3	6.22	12.62	0.1
4/12/2012	63.3	51.5	0.01	144.5	0	0	0	0	84.7	9.23	19.02	0.05
4/13/2012	78.1	57.3	0	640.1	0	0	0	0	70.3	6.08	18.68	0.24
4/14/2012	73.2	56.7	0.19	148.7	0	0	0	0	96	11.95	26.34	0.05
4/15/2012	70.6	47.6	0.07	623.6	0	0	0	0	70.9	14.05	32.06	0.23
4/16/2012	65.8	44.4	0	693.8	0	0	0	0	73	4.94	14.22	0.26
4/17/2012	71.5	46.9	0	712.4	0	0	0	0	75.3	6.76	15.37	0.27
4/18/2012	79.2	54.6	0	710.3	0	0	0	0	73.7	10.47	22.34	0.27
4/19/2012	72.8	50.8	0	505.9	0	0	0	0	78.6	10.44	19.48	0.18
4/20/2012	62.7	41.1	0	611.2	0	0	0	0	72.4	9.05	17.99	0.23
4/21/2012	75.6	38.2	0	731	0	0	0	0	69	4.68	13.65	0.27
4/22/2012	65.6	41.4	0	762	0	0	0	0	62.6	8.2	19.02	0.29
4/23/2012	71	34.1	0	751.6	0	0	0	0	66	3.15	10.91	0.28
4/24/2012	92.2	46	0	747.5	0	0	0	0	62.5	7.1	18.8	0.28
4/25/2012	92.7	54.7	0	706.2	0	0	0	0	57.6	4.66	12.62	0.26
4/26/2012	82.8	51.9	0	516.2	0	0	0	0	67	4.29	12.4	0.19
4/27/2012	84.9	59.5	0	417.1	0	0	0	0	72.9	11.09	24.17	0.15
4/28/2012	72.5	46.3	0	683.5	0	0	0	0	76.5	6.89	16.05	0.25
4/29/2012	72.7	55.7	0.24	384.1	0	0	0	0	96.4	4.94	13.65	0.14
4/30/2012	76.5	56.4	0.29	431.6	0	0	0	0	92.5	4.87	18.57	0.16

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
April 2012

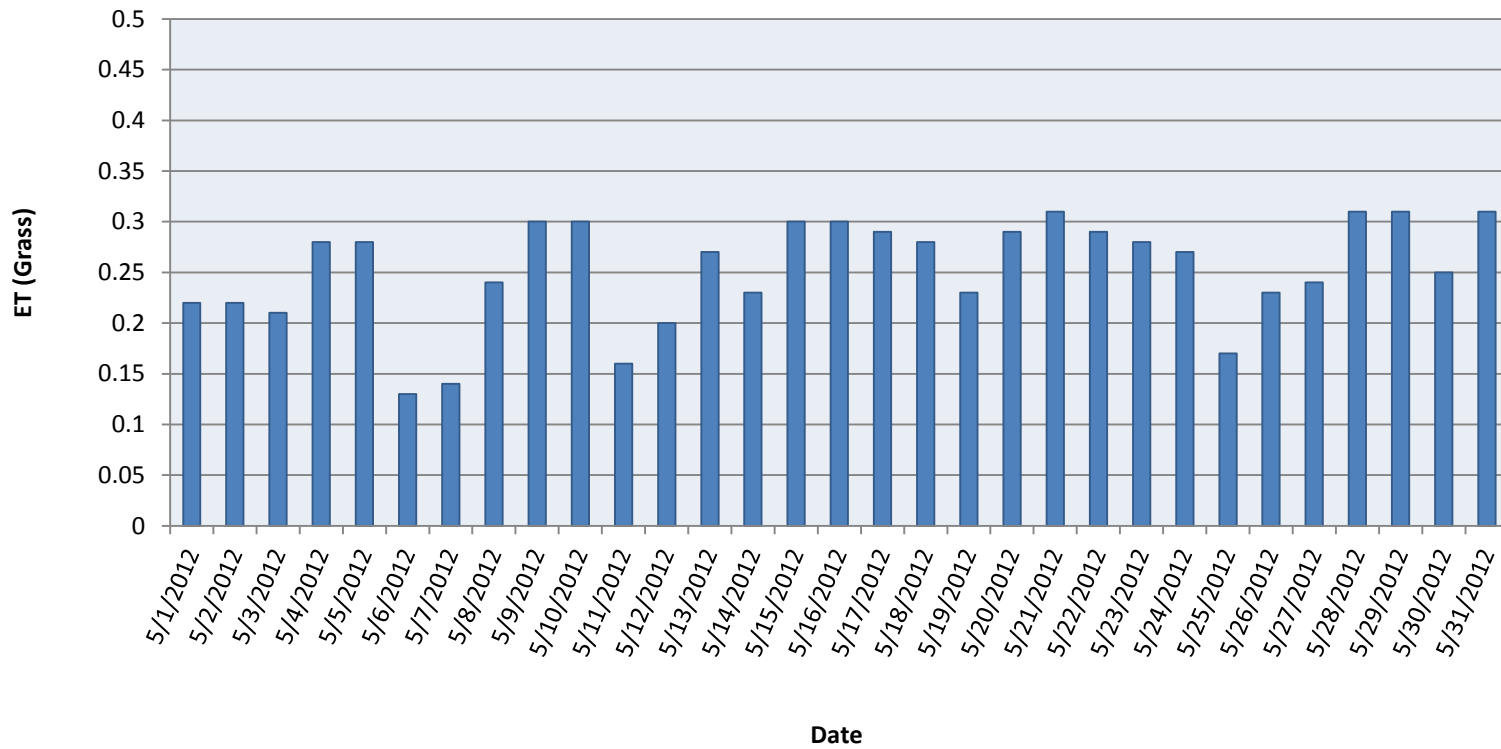


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

MAY	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
5/1/2012	82.8	58.6	0	592.6	0	0	0	0	90	10.27	21.89	0.22
5/2/2012	84.7	67.3	0	600.9	0	0	0	0	87.9	11.48	19.02	0.22
5/3/2012	87.6	68.4	0	580.3	0	0	0	0	81.2	7.26	21.2	0.21
5/4/2012	93.7	67	0	739.3	0	0	0	0	75.4	8.99	28.17	0.28
5/5/2012	88	66.5	0	753.7	0	0	0	0	83.8	8.37	19.37	0.28
5/6/2012	79.1	58.6	0.29	346.9	0	0	0	0	90.1	9.28	19.25	0.13
5/7/2012	68.6	47.7	0.41	380	0	0	0	0	76.9	8.86	20.4	0.14
5/8/2012	74.7	46.3	0	648.4	0	0	0	0	69.8	3.48	12.16	0.24
5/9/2012	75.8	42.7	0	799.1	0	0	0	0	69.9	2.41	6.56	0.3
5/10/2012	84.7	52.2	0	788.8	0	0	0	0	63.2	6.9	16.17	0.3
5/11/2012	76	54.5	0.28	448.1	0	0	0	0	81.9	3.72	23.02	0.16
5/12/2012	67.3	50.1	0.05	526.6	0	0	0	0	90.5	5.88	12.16	0.2
5/13/2012	75.4	48.5	0	724.8	0	0	0	0	73.6	3.07	9.31	0.27
5/14/2012	79.8	51.7	0	621.6	0	0	0	0	72	2.5	8.85	0.23
5/15/2012	87	51.6	0	797.1	0	0	0	0	63.9	3.02	9.07	0.3
5/16/2012	86.2	51.6	0	792.9	0	0	0	0	57.7	4.64	10.68	0.3
5/17/2012	92.1	57.3	0	766.1	0	0	0	0	51	8.97	20.97	0.29
5/18/2012	90.4	68.5	0	724.8	0	0	0	0	51.2	12.04	25.2	0.28
5/19/2012	90.3	61.7	0	600.9	0	0	0	0	67.4	12.33	23.6	0.23
5/20/2012	79.2	52.1	0	768.2	0	0	0	0	65.6	6.28	16.05	0.29
5/21/2012	81	46.7	0	823.9	0	0	0	0	60.2	3.11	9.07	0.31
5/22/2012	86.6	50.4	0	782.6	0	0	0	0	58.7	8.56	21.77	0.29
5/23/2012	94	68.5	0	747.5	0	0	0	0	53.6	15.33	28.63	0.28
5/24/2012	87	64.4	0	724.8	0	0	0	0	59.7	6.93	21.89	0.27
5/25/2012	89.7	68.7	0	456.4	0	0	0	0	77.1	8.84	18.8	0.17
5/26/2012	96	75.4	0	633.9	0	0	0	0	70	12.76	21.65	0.23
5/27/2012	92.6	71.9	0	669	0	0	0	0	66.3	14.65	26.57	0.24
5/28/2012	89.8	62.4	0	836.3	0	0	0	0	46.7	5.88	17.77	0.31
5/29/2012	91.6	53.5	0	815.7	0	0	0	0	47.7	5.65	15.25	0.31
5/30/2012	88.9	59.7	1.69	646.3	0	0	0	0	69.5	6.84	31.94	0.25
5/31/2012	67.8	50.1	0.01	811.5	0	0	0	0	82.8	10.01	21.77	0.31

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
May 2012

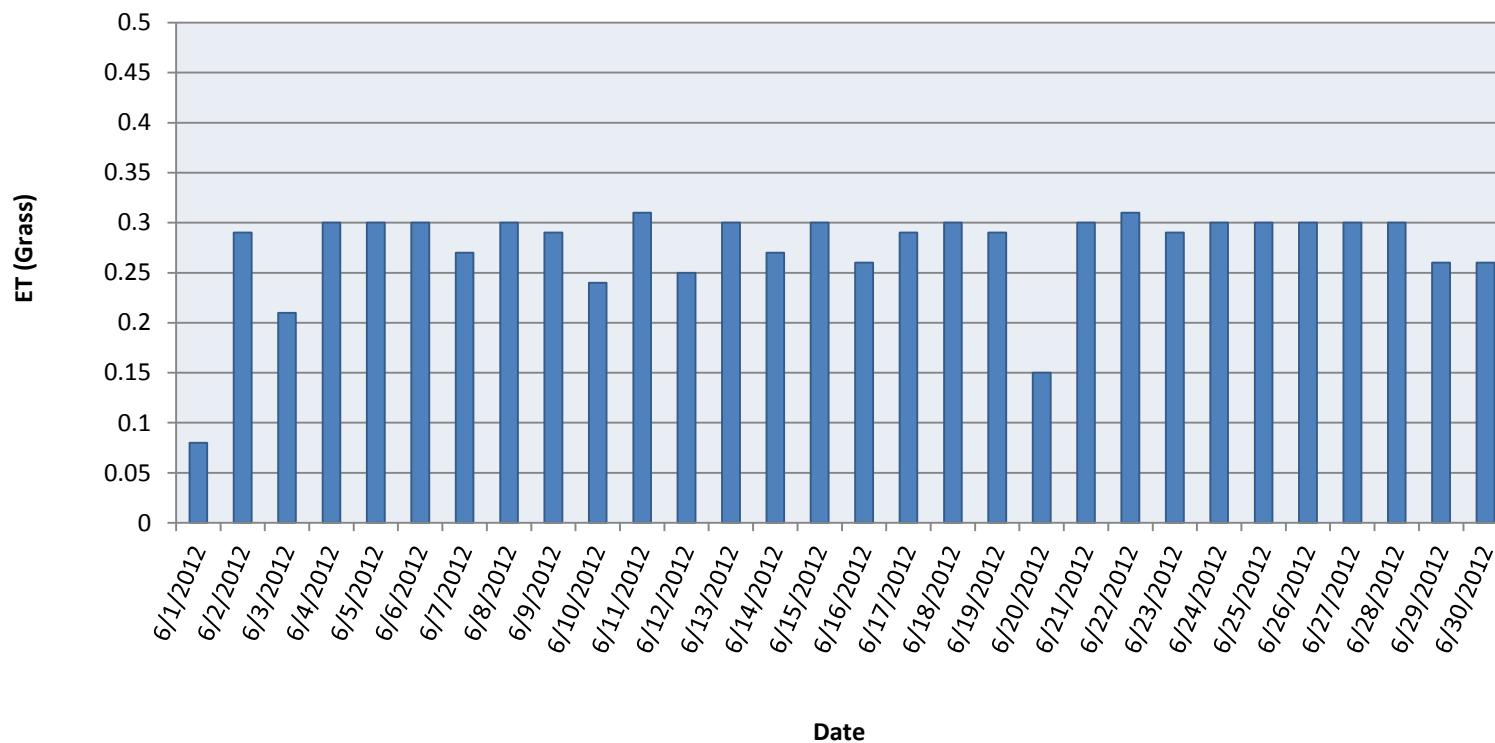


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

JUNE	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
6/1/2012	60	45.8	0.03	223	0	0	0	0	94.1	2.72	9.19	0.08
6/2/2012	84.4	48.8	0	768.2	0	0	0	0	77	2.56	9.42	0.29
6/3/2012	85.6	64.9	0.07	553.4	0	0	0	0	87	4.42	13.08	0.21
6/4/2012	94.1	62.9	0	813.6	0	0	0	0	72.9	2.75	11.13	0.3
6/5/2012	88.6	63.1	0	813.6	0	0	0	0	69.4	4.4	14.11	0.3
6/6/2012	86.6	60.2	0	805.3	0	0	0	0	69	5.39	14.45	0.3
6/7/2012	85.6	61.3	0	735.1	0	0	0	0	70.4	4.75	11.94	0.27
6/8/2012	86.9	57	0	813.6	0	0	0	0	66.2	5.32	14.68	0.3
6/9/2012	90.6	62	0	786.7	0	0	0	0	65.1	9.89	20.17	0.29
6/10/2012	94.2	72	0.32	644.3	0	0	0	0	73.3	10.47	23.6	0.24
6/11/2012	86.7	63.1	0	830.1	0	0	0	0	63.7	5.66	14.45	0.31
6/12/2012	85.7	57.8	0	687.6	0	0	0	0	63.8	4.55	15.02	0.25
6/13/2012	89.6	59.7	0	784.7	0	0	0	0	65.3	8.39	17.54	0.3
6/14/2012	94.4	64.9	1.22	728.9	0	0	0	0	77.5	10.1	19.48	0.27
6/15/2012	84.1	63.8	0.37	780.6	0	0	0	0	86.6	3.52	10.56	0.3
6/16/2012	88	64.6	0.18	693.8	0	0	0	0	84.2	4.38	31.72	0.26
6/17/2012	90.9	68.7	0	778.5	0	0	0	0	76.8	7.7	18.45	0.29
6/18/2012	93	70.7	0	803.3	0	0	0	0	73.8	11.38	20.05	0.3
6/19/2012	89.6	72.5	0	786.7	0	0	0	0	74.1	12.67	23.26	0.29
6/20/2012	87.1	66.2	0.13	394.4	0	0	0	0	82.1	11.65	21.42	0.15
6/21/2012	83.4	62.6	0.46	790.9	0	0	0	0	79.2	4.7	11.71	0.3
6/22/2012	86.2	59.4	0	826	0	0	0	0	72.2	4.12	11.47	0.31
6/23/2012	95.6	66.3	0	776.4	0	0	0	0	65.8	8.67	18.11	0.29
6/24/2012	99.8	74	0	803.3	0	0	0	0	63.8	6.61	13.77	0.3
6/25/2012	102.7	66.5	0	799.1	0	0	0	0	69.9	2.5	6.79	0.3
6/26/2012	103.1	69.2	0	795	0	0	0	0	66.8	5.1	12.96	0.3
6/27/2012	105.6	77.2	0	799.1	0	0	0	0	58.9	8.41	17.54	0.3
6/28/2012	103.7	71.5	0	807.4	0	0	0	0	54.5	6.68	14.11	0.3
6/29/2012	101.9	75.1	0	704.2	0	0	0	0	49.2	7.31	15.02	0.26
6/30/2012	101.2	73.9	0	708.3	0	0	0	0	57.6	6.21	15.25	0.26

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
June 2012

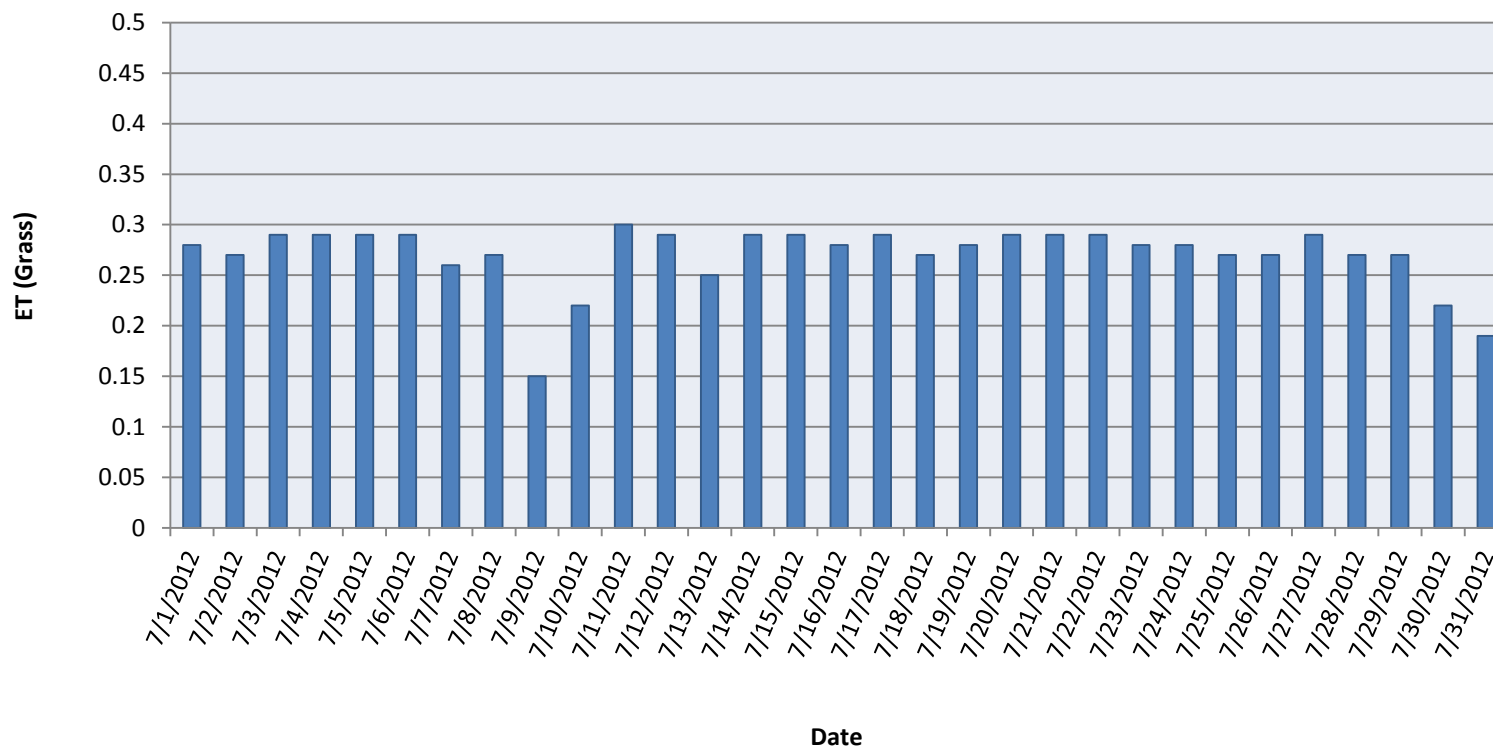


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

JULY	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
7/1/2012	96.7	74.8	0	759.9	0	0	0	0	61.7	5.99	14.68	0.28
7/2/2012	95.5	70.5	0	739.3	0	0	0	0	66.2	6.47	15.59	0.27
7/3/2012	97.9	74.1	0	776.4	0	0	0	0	58.2	7.21	14.8	0.29
7/4/2012	100	76.1	0	770.2	0	0	0	0	52.3	8.07	17.54	0.29
7/5/2012	100.4	72.1	0	778.5	0	0	0	0	55.8	5.7	14.34	0.29
7/6/2012	100.8	78.6	0	784.7	0	0	0	0	52.7	4.92	12.05	0.29
7/7/2012	103.1	69.7	0	679.4	0	0	0	0	57.2	2.95	12.62	0.26
7/8/2012	92.3	71.3	0	735.1	0	0	0	0	78	5.14	12.85	0.27
7/9/2012	82.7	72	0.06	408.9	0	0	0	0	86.2	5.18	16.17	0.15
7/10/2012	90.4	65.8	0	603	0	0	0	0	66.7	4.57	10.79	0.22
7/11/2012	93.8	57.8	0	809.5	0	0	0	0	64	2.37	10.79	0.3
7/12/2012	95.8	62.2	0	770.2	0	0	0	0	64.7	2.79	10.22	0.29
7/13/2012	96.5	67.6	0.07	667	0	0	0	0	66	3.37	15.02	0.25
7/14/2012	99.6	65.6	0	778.5	0	0	0	0	66.1	3.25	15.02	0.29
7/15/2012	97.3	71.1	0	774.4	0	0	0	0	61	4.98	13.65	0.29
7/16/2012	94.5	70.3	0	743.4	0	0	0	0	67.4	5.84	14.56	0.28
7/17/2012	98.5	72.6	0	780.6	0	0	0	0	56.7	6.58	14.56	0.29
7/18/2012	101.7	76.7	0	724.8	0	0	0	0	51.7	5.73	14.8	0.27
7/19/2012	104.3	71.6	0	739.3	0	0	0	0	58.3	2.76	13.99	0.28
7/20/2012	103.3	68.6	0	782.6	0	0	0	0	58.2	3.97	10.34	0.29
7/21/2012	101.9	62.4	0	766.1	0	0	0	0	57.1	3.5	10.34	0.29
7/22/2012	100.9	65.9	0	770.2	0	0	0	0	57.8	3.35	11.37	0.29
7/23/2012	99.3	67.3	0	757.8	0	0	0	0	56.9	4.98	15.14	0.28
7/24/2012	99.4	75.8	0	759.9	0	0	0	0	54.4	7.27	15.93	0.28
7/25/2012	101.9	72.7	0.28	718.6	0	0	0	0	57.1	7.72	21.65	0.27
7/26/2012	94.6	70.5	0.06	735.1	0	0	0	0	78.3	2.28	13.19	0.27
7/27/2012	99.3	68.4	0	776.4	0	0	0	0	67.2	2.32	8.05	0.29
7/28/2012	101.5	70.8	0	724.8	0	0	0	0	55.6	4.51	13.19	0.27
7/29/2012	101.7	74.2	0.01	714.5	0	0	0	0	57.4	4.03	15.25	0.27
7/30/2012	101.3	73.2	0	592.6	0	0	0	0	53.4	3.97	12.16	0.22
7/31/2012	99.5	74	0	520.4	0	0	0	0	63.4	3.82	11.37	0.19

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
July 2012

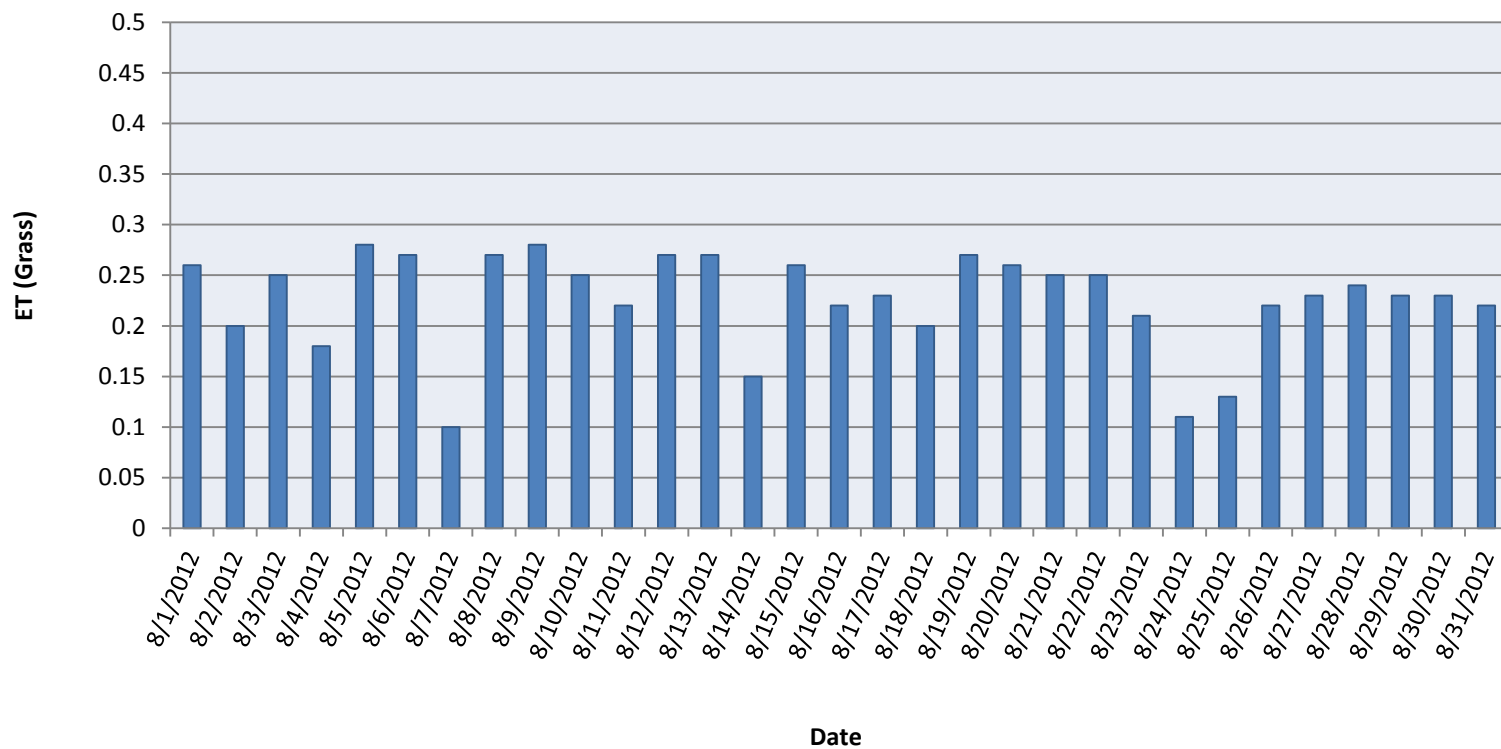


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

AUGUST	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
8/1/2012	103.7	69.8	0	679.4	0	0	0	0	59.7	4.79	16.74	0.26
8/2/2012	96.6	73.5	0	549.3	0	0	0	0	63.1	5.09	23.26	0.2
8/3/2012	99.8	74	0.16	671.1	0	0	0	0	67.8	4.21	17.42	0.25
8/4/2012	85.8	64.6	0	491.5	0	0	0	0	82.7	5.3	15.71	0.18
8/5/2012	93.3	57.8	0	753.7	0	0	0	0	63.9	3.01	10.1	0.28
8/6/2012	98.6	57.8	0	720.7	0	0	0	0	56.9	3.63	12.4	0.27
8/7/2012	93.3	66.8	0.11	262.2	0	0	0	0	72.3	3.52	15.59	0.1
8/8/2012	98.5	65.7	0	722.7	0	0	0	0	67.5	3.25	12.28	0.27
8/9/2012	89	61.9	0	749.6	0	0	0	0	70.9	5.5	14.11	0.28
8/10/2012	86.7	57.3	0	683.5	0	0	0	0	67.1	2.96	11.25	0.25
8/11/2012	89.2	53.2	0	592.6	0	0	0	0	59.7	3.81	11.37	0.22
8/12/2012	89.8	63.6	0.01	712.4	0	0	0	0	63.7	4.99	15.14	0.27
8/13/2012	85.2	58.5	0	735.1	0	0	0	0	74.1	4.78	12.96	0.27
8/14/2012	75.9	59.6	0.27	419.2	0	0	0	0	92.4	3.92	13.65	0.15
8/15/2012	92	57.6	0	693.8	0	0	0	0	81.7	4.38	13.19	0.26
8/16/2012	79.5	60	0	603	0	0	0	0	72.2	6.39	16.4	0.22
8/17/2012	82.9	53.3	0	619.5	0	0	0	0	64.3	2.42	8.39	0.23
8/18/2012	85.8	59.8	0	543.1	0	0	0	0	60.8	2.58	10.34	0.2
8/19/2012	81.9	53.5	0	712.4	0	0	0	0	67.5	4.63	13.19	0.27
8/20/2012	88	48.7	0	695.9	0	0	0	0	57.8	1.7	7.25	0.26
8/21/2012	91.6	55.8	0	679.4	0	0	0	0	52.1	2.64	11.47	0.25
8/22/2012	90	60.6	0	681.4	0	0	0	0	59.8	5.9	17.42	0.25
8/23/2012	92.2	70.9	0	572	0	0	0	0	55.6	8.72	19.94	0.21
8/24/2012	81.1	67.2	0.45	320.1	0	0	0	0	86.8	7.79	17.08	0.11
8/25/2012	83	67.2	0.74	351	0	0	0	0	98.3	4.09	12.05	0.13
8/26/2012	84.3	67.3	0	584.4	0	0	0	0	91.4	3.22	9.31	0.22
8/27/2012	91.5	61.5	0	631.9	0	0	0	0	81.1	2.02	9.99	0.23
8/28/2012	91.7	58.8	0	642.2	0	0	0	0	73.4	1.96	9.31	0.24
8/29/2012	93.2	60.8	0	631.9	0	0	0	0	73.5	2.18	10.68	0.23
8/30/2012	96.9	64.1	0	638.1	0	0	0	0	66	2.3	9.65	0.23
8/31/2012	92.6	59.4	0	605	0	0	0	0	76.9	3.49	13.65	0.22

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
August 2012

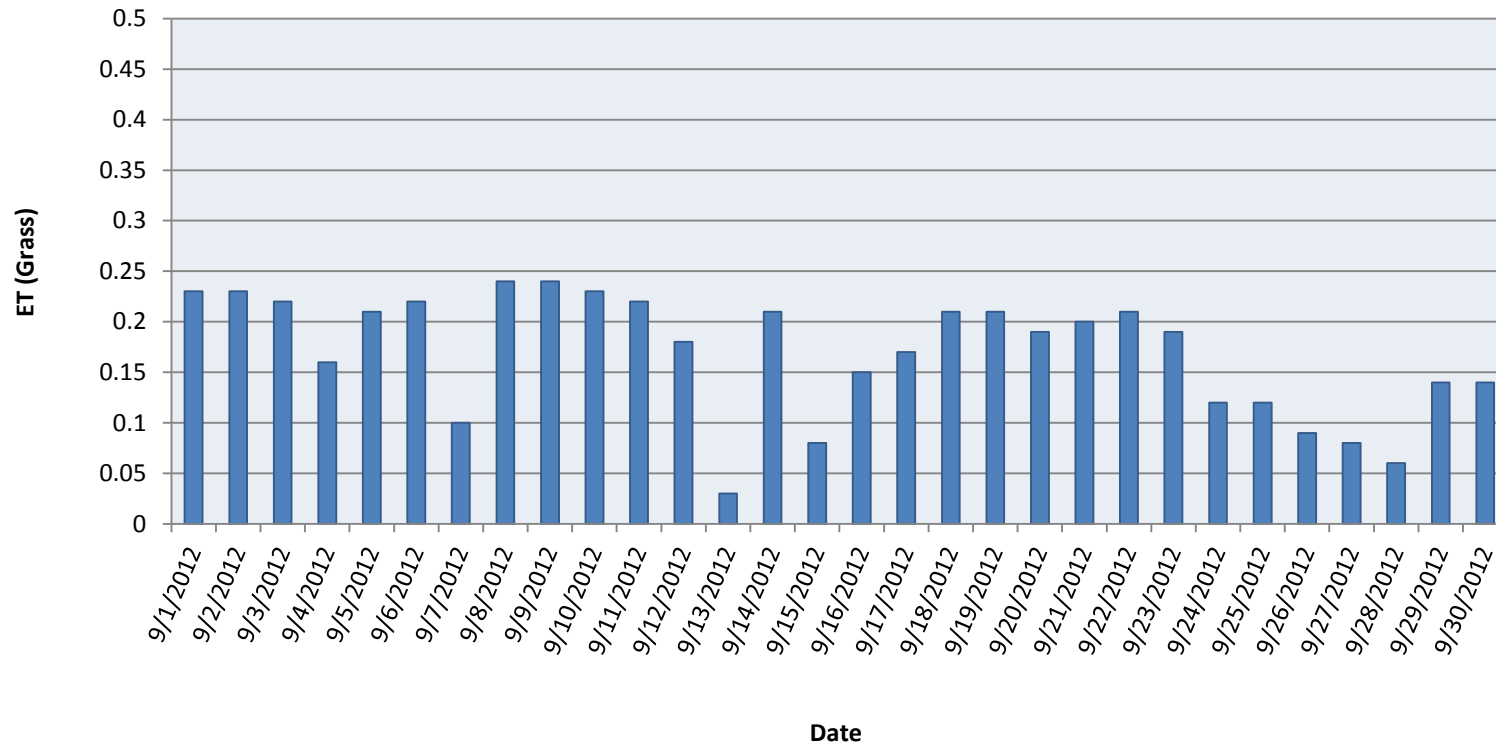


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

SEPTEMBER	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
9/1/2012	92.9	61.2	0	627.7	0	0	0	0	78.2	2.88	9.07	0.23
9/2/2012	101.3	64.2	0	633.9	0	0	0	0	69.2	3.12	10.91	0.23
9/3/2012	103.6	67.8	0	607.1	0	0	0	0	68.3	3.62	11.25	0.22
9/4/2012	96.9	69.2	0.13	454.3	0	0	0	0	78	3.39	20.74	0.16
9/5/2012	91.2	63.9	0	584.4	0	0	0	0	80.8	3.02	10.91	0.21
9/6/2012	95.8	61.5	0	607.1	0	0	0	0	67.5	4.38	21.08	0.22
9/7/2012	80.7	54.1	0.36	287	0	0	0	0	83.1	6.46	22.68	0.1
9/8/2012	79.1	48.7	0	658.7	0	0	0	0	72.9	3.33	11.02	0.24
9/9/2012	79.7	49.9	0	652.5	0	0	0	0	66.1	3.6	10.34	0.24
9/10/2012	90.3	47.7	0	642.2	0	0	0	0	63.7	4.54	14.45	0.23
9/11/2012	94.3	53.7	0	615.4	0	0	0	0	50	8.33	21.54	0.22
9/12/2012	94.3	58.4	0.02	481.1	0	0	0	0	56	9.37	20.17	0.18
9/13/2012	58.7	54.1	0.32	84.7	0	0	0	0	99.6	7.98	16.74	0.03
9/14/2012	73.4	48.8	0	584.4	0	0	0	0	75.8	4.84	13.42	0.21
9/15/2012	68.7	55.3	0	214.8	0	0	0	0	97.2	2.2	7.36	0.08
9/16/2012	78.8	58.3	0	427.4	0	0	0	0	88.3	2.73	8.5	0.15
9/17/2012	73.6	49.1	0	470.8	0	0	0	0	90.8	4.92	13.99	0.17
9/18/2012	76.6	43.5	0	578.2	0	0	0	0	71.3	3.52	13.08	0.21
9/19/2012	91.1	54.3	0	572	0	0	0	0	54.3	6.01	13.19	0.21
9/20/2012	83.3	46.9	0	539	0	0	0	0	48.8	4	10.79	0.19
9/21/2012	86	51.6	0	567.9	0	0	0	0	54.8	3.71	13.53	0.2
9/22/2012	73	49.5	0	576.1	0	0	0	0	50.1	4.66	13.42	0.21
9/23/2012	75.5	44.4	0	541	0	0	0	0	53.4	4.34	13.99	0.19
9/24/2012	90.6	46	0	346.9	0	0	0	0	66.1	3.5	13.65	0.12
9/25/2012	84.5	54.4	0.16	334.5	0	0	0	0	77.9	3.27	20.17	0.12
9/26/2012	74.1	57.4	0.05	227.1	0	0	0	0	95.4	3.78	10.34	0.09
9/27/2012	72.3	55.6	0	225.1	0	0	0	0	95.6	2.28	7.82	0.08
9/28/2012	71.5	54.4	0.07	179.7	0	0	0	0	97.8	2.14	8.39	0.06
9/29/2012	73.8	54.3	0	386.1	0	0	0	0	77.8	2.56	8.97	0.14
9/30/2012	77.8	50.4	0	413	0	0	0	0	71.8	1.73	7.59	0.14

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
September 2012

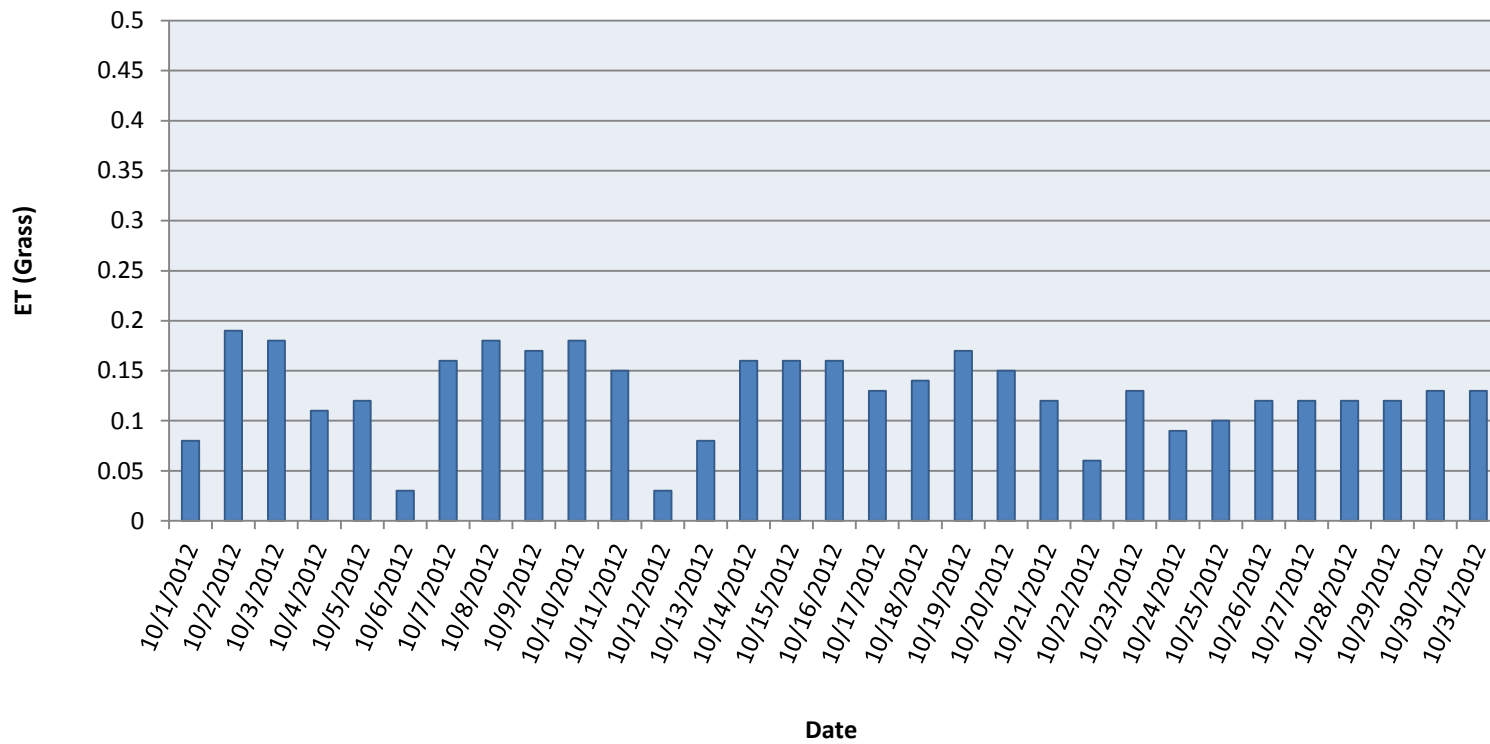


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

OCTOBER	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
10/1/2012	72.3	44.9	0	243.7	0	0	0	0	84.9	6.63	20.4	0.08
10/2/2012	74.9	40.9	0	534.8	0	0	0	0	64.6	2.88	10.68	0.19
10/3/2012	82.7	40.4	0	514.2	0	0	0	0	62.4	6.48	16.62	0.18
10/4/2012	68.6	49.3	0	303.5	0	0	0	0	62.6	8.15	17.42	0.11
10/5/2012	56	37.1	0	330.4	0	0	0	0	62.4	6.45	15.59	0.12
10/6/2012	45.6	36.1	0.02	88.8	0	0	0	0	86.6	4.27	13.42	0.03
10/7/2012	54.5	25.6	0	448.1	0	0	0	0	76.9	3.22	12.16	0.16
10/8/2012	69.5	34	0	512.1	0	0	0	0	60.5	8.39	18.91	0.18
10/9/2012	67.4	37.1	0	485.3	0	0	0	0	68.8	6.64	18.34	0.17
10/10/2012	67.1	29.6	0	497.7	0	0	0	0	57.3	3.16	11.37	0.18
10/11/2012	83.6	45.9	0	439.8	0	0	0	0	64.9	7.14	16.85	0.15
10/12/2012	63.9	48.4	0.54	90.9	0	0	0	0	86.5	5.65	14.91	0.03
10/13/2012	80.5	57	0.57	239.5	0	0	0	0	95.1	7.64	19.94	0.08
10/14/2012	74.5	54.3	0	468.7	0	0	0	0	69.8	7.75	19.59	0.16
10/15/2012	86.9	46.7	0	452.2	0	0	0	0	60.5	3.8	10.91	0.16
10/16/2012	81.6	53.5	0	452.2	0	0	0	0	60.1	5.86	14.22	0.16
10/17/2012	69	46.7	0	371.7	0	0	0	0	61.6	8.62	25.32	0.13
10/18/2012	63.8	45.7	0	423.3	0	0	0	0	37	12.46	26.69	0.14
10/19/2012	66	41.5	0	477	0	0	0	0	42.7	8.09	21.2	0.17
10/20/2012	84.9	39.7	0	446	0	0	0	0	56.3	4.52	12.05	0.15
10/21/2012	87.4	52.1	0	342.8	0	0	0	0	81.6	7.63	17.77	0.12
10/22/2012	74.7	52.5	0	159	0	0	0	0	94.3	5.05	16.85	0.06
10/23/2012	88.6	61.9	0	386.1	0	0	0	0	75	10.13	18.8	0.13
10/24/2012	82.5	66.4	0	270.5	0	0	0	0	88.9	12.07	20.51	0.09
10/25/2012	69.7	32.6	0.02	285	0	0	0	0	85.7	12.61	24.05	0.1
10/26/2012	45.5	24.8	0	344.8	0	0	0	0	76.5	7.83	16.85	0.12
10/27/2012	48.1	22.3	0	369.6	0	0	0	0	76.4	2.58	9.99	0.12
10/28/2012	56.4	25.1	0	359.3	0	0	0	0	67.7	4.68	15.37	0.12
10/29/2012	66.2	37.1	0	367.6	0	0	0	0	54.6	7.57	18.34	0.12
10/30/2012	69.9	37.5	0	394.4	0	0	0	0	61.3	3.51	8.97	0.13
10/31/2012	68.6	32.3	0	388.2	0	0	0	0	68.9	2.04	8.16	0.13

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
October 2012

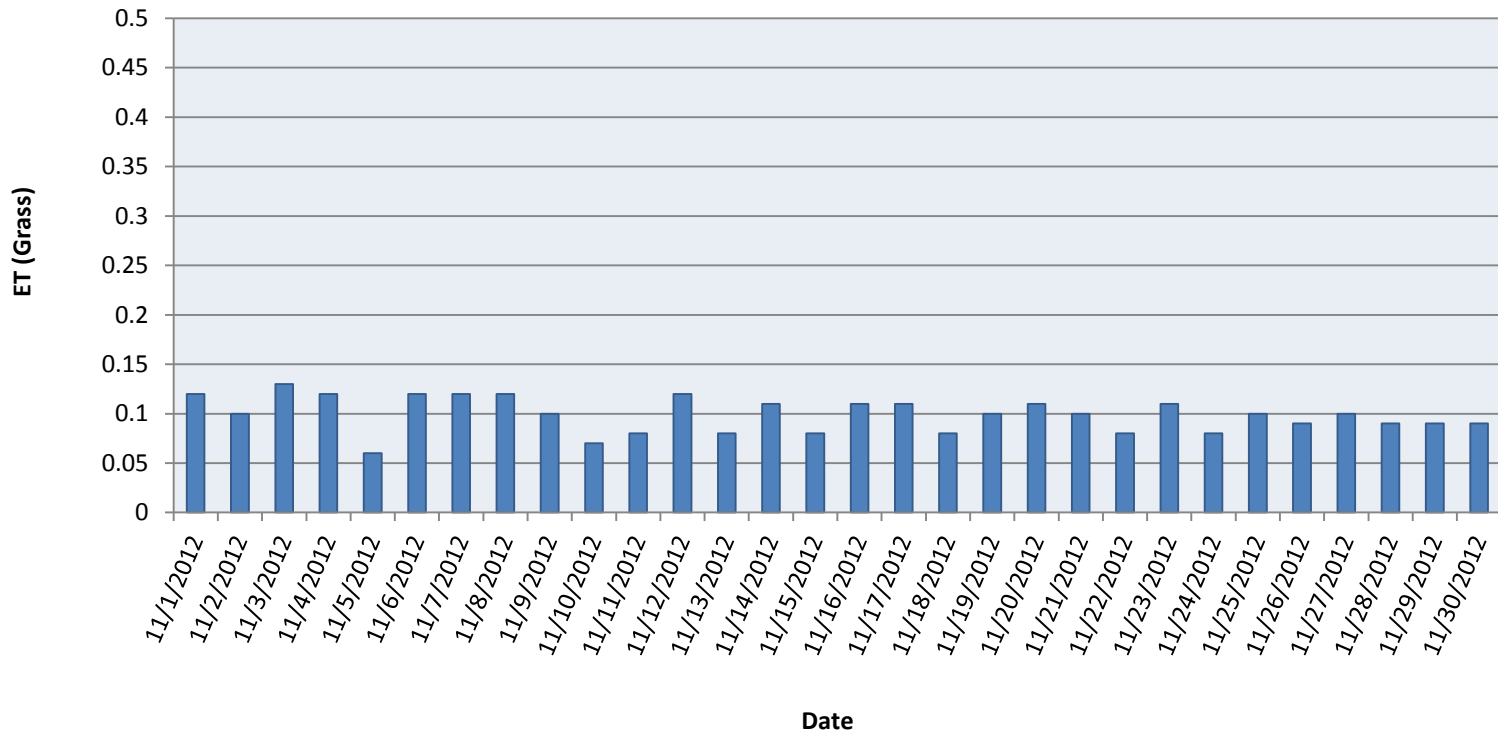


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

NOVEMBER	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
11/1/2012	77.9	36.2	0	373.8	0	0	0	0	63.3	1.98	9.07	0.12
11/2/2012	76.5	44.7	0	324.2	0	0	0	0	66.2	7.42	14.8	0.1
11/3/2012	60.9	36.7	0	380	0	0	0	0	75.9	5.97	16.17	0.13
11/4/2012	69.1	30	0	373.8	0	0	0	0	65	4.76	15.82	0.12
11/5/2012	57.1	33.2	0	183.8	0	0	0	0	79.4	6.9	18.68	0.06
11/6/2012	64.6	32.6	0	369.6	0	0	0	0	65.8	5.7	18.45	0.12
11/7/2012	63.5	31.4	0	371.7	0	0	0	0	54.8	3.68	11.37	0.12
11/8/2012	74.7	44.5	0	353.1	0	0	0	0	57.4	8.74	20.17	0.12
11/9/2012	79.1	54.6	0	313.9	0	0	0	0	75.4	11.17	22.23	0.1
11/10/2012	73	53.7	0.35	227.1	0	0	0	0	77.7	16.16	30.91	0.07
11/11/2012	53.6	26.4	0.05	245.7	0	0	0	0	83.1	9.61	19.02	0.08
11/12/2012	50.1	22.3	0	369.6	0	0	0	0	66.5	4.77	13.19	0.12
11/13/2012	55.4	25	0	274.6	0	0	0	0	72.9	5.38	16.05	0.08
11/14/2012	55.5	30.4	0	344.8	0	0	0	0	72.7	4.53	13.65	0.11
11/15/2012	56.3	32.4	0	256.1	0	0	0	0	80.9	2.94	7.7	0.08
11/16/2012	61.3	26.9	0	340.7	0	0	0	0	77.6	3.72	11.47	0.11
11/17/2012	61.7	35	0	328.3	0	0	0	0	64.9	8.82	21.31	0.11
11/18/2012	64.2	41.4	0	260.2	0	0	0	0	59.6	11.27	24.74	0.08
11/19/2012	70.4	39.1	0	318	0	0	0	0	77.5	3.63	14.34	0.1
11/20/2012	69.2	34	0	330.4	0	0	0	0	75.2	2.38	6.1	0.11
11/21/2012	73.5	41.1	0	320.1	0	0	0	0	71.5	9.44	23.71	0.1
11/22/2012	73	36.5	0	264.3	0	0	0	0	68.7	9.2	19.37	0.08
11/23/2012	42.8	23.4	0	336.6	0	0	0	0	61.8	6.15	18.45	0.11
11/24/2012	60.3	20.8	0	276.7	0	0	0	0	56.4	8.5	21.42	0.08
11/25/2012	60	23.8	0	322.1	0	0	0	0	66.5	5.09	14.11	0.1
11/26/2012	44.5	19.6	0	293.2	0	0	0	0	83.3	8.92	20.62	0.09
11/27/2012	45.2	13.2	0	309.7	0	0	0	0	85.1	5	16.51	0.1
11/28/2012	57	17.5	0	297.4	0	0	0	0	78.7	4.1	13.19	0.09
11/29/2012	63.6	32.9	0	297.4	0	0	0	0	82.1	4.48	12.5	0.09
11/30/2012	62.9	24.2	0	282.9	0	0	0	0	89.1	2.62	9.76	0.09

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
November 2012

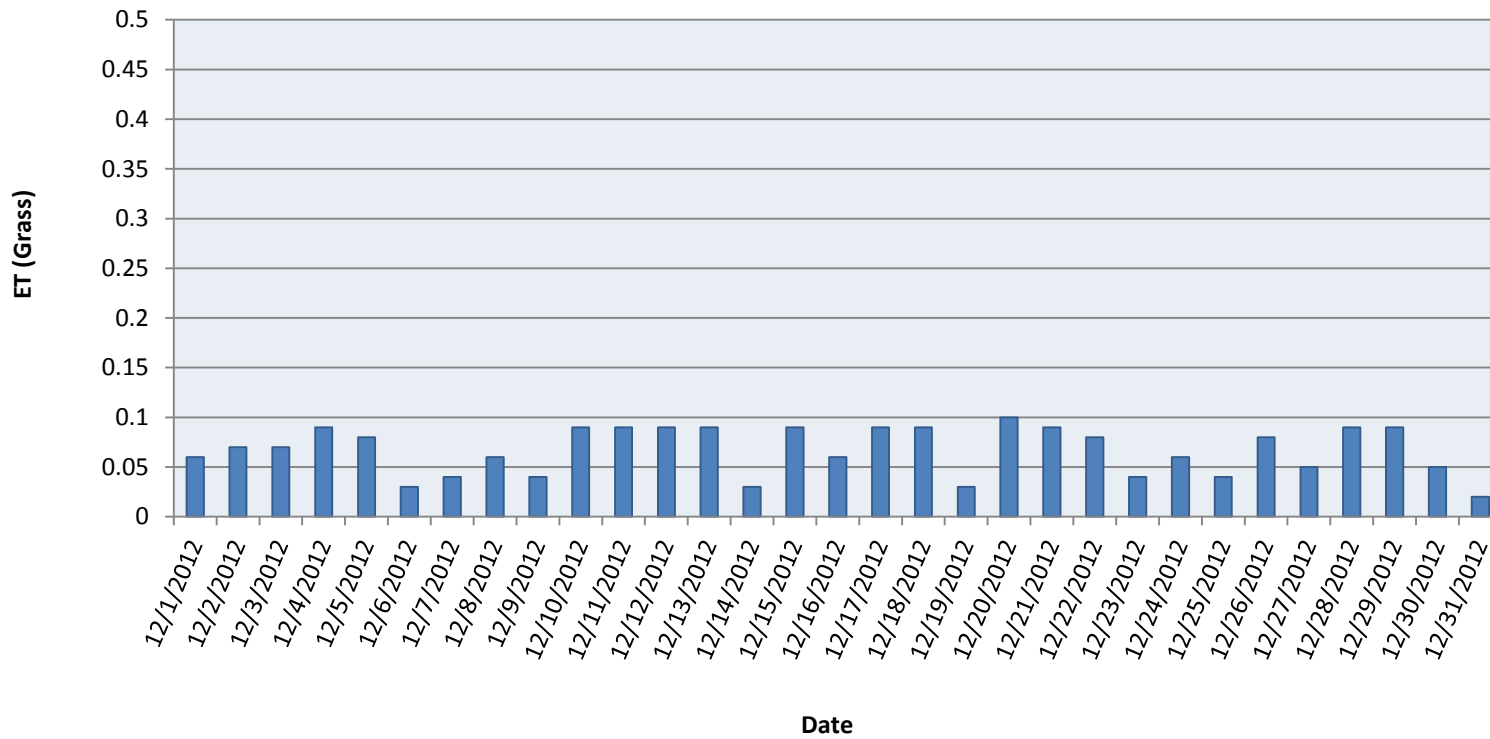


Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

DECEMBER	Max Air Temp (°F)	Min Air Temp (°F)	Total Precip (in)	Solar Radiation (langley)	Max 2" Soil Temp (°F)	Min 2" Soil Temp (°F)	Max 4" Soil Temp (°F)	Min 4" Soil Temp (°F)	Avg RH (%)	Avg Wind Speed (mph)	Max Wind Speed (mph)	ET (grass) (in)
12/1/2012	62.5	40.1	0	183.8	0	0	0	0	93.5	5.3	14.34	0.06
12/2/2012	68.5	31.2	0	239.5	0	0	0	0	82.1	3.97	12.16	0.07
12/3/2012	65.5	45.1	0	249.9	0	0	0	0	75.6	9.42	20.97	0.07
12/4/2012	61.7	26.2	0	299.4	0	0	0	0	60.1	2.76	10.91	0.09
12/5/2012	59.9	27.9	0	274.6	0	0	0	0	53.6	7.37	18.45	0.08
12/6/2012	54.7	36.7	0	113.6	0	0	0	0	81.4	6.36	15.14	0.03
12/7/2012	48	28.4	0	142.5	0	0	0	0	91.8	3.8	10.34	0.04
12/8/2012	49.1	22.9	0	212.7	0	0	0	0	95.1	3.55	11.59	0.06
12/9/2012	43	18.8	0	154.9	0	0	0	0	71.1	11.05	21.65	0.04
12/10/2012	35.2	6.1	0	303.5	0	0	0	0	55.5	5.68	18.11	0.09
12/11/2012	47.6	14.6	0	295.3	0	0	0	0	54.1	2.75	7.13	0.09
12/12/2012	52.5	21.4	0	293.2	0	0	0	0	50.8	9.73	22.11	0.09
12/13/2012	58	33.1	0	293.2	0	0	0	0	53	7.96	19.71	0.09
12/14/2012	55.6	36.5	0.06	101.2	0	0	0	0	77	10.36	22.68	0.03
12/15/2012	59.3	30.3	0	278.8	0	0	0	0	86.2	7.62	23.37	0.09
12/16/2012	45.4	27.8	0	200.3	0	0	0	0	94	4.49	11.25	0.06
12/17/2012	55.1	22.7	0	285	0	0	0	0	76	4.59	9.88	0.09
12/18/2012	59.5	25.4	0	289.1	0	0	0	0	62.5	4.05	14.68	0.09
12/19/2012	49.3	30	0.03	92.9	0	0	0	0	82.2	9.74	30.12	0.03
12/20/2012	35	16.6	0	307.7	0	0	0	0	82.1	11.94	29.43	0.1
12/21/2012	48.4	10.6	0	295.3	0	0	0	0	81.3	2.04	6.67	0.09
12/22/2012	56.7	19.5	0	276.7	0	0	0	0	72.9	3.14	8.62	0.08
12/23/2012	30.4	17.9	0	130.1	0	0	0	0	96.5	6.05	12.16	0.04
12/24/2012	26.7	16.1	0	196.2	0	0	0	0	85.4	7.68	15.25	0.06
12/25/2012	19.3	10.2	0	130.1	0	0	0	0	82	12.89	22.11	0.04
12/26/2012	27.3	5.7	0	258.1	0	0	0	0	80.5	5.09	11.02	0.08
12/27/2012	31.8	17.2	0	169.3	0	0	0	0	85.3	6.45	14.8	0.05
12/28/2012	27.8	10.9	0	276.7	0	0	0	0	80	7.43	16.85	0.09
12/29/2012	44.8	8.3	0	303.5	0	0	0	0	73.3	4.06	10.34	0.09
12/30/2012	48.5	19.6	0	179.7	0	0	0	0	64.6	9.15	24.74	0.05
12/31/2012	34.1	21.6	0	55.8	0	0	0	0	90.3	6.07	13.99	0.02

Equus Beds Groundwater Management District No. 2
Harvey County Weather Station #1087

Evapotranspiration (ET) in Harvey County
at Weather Station #1087
December 2012



**APPENDIX G –
2012 WITHDRAWALS FROM NON-DOMESTIC WELLS**

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1	-97.6240	38.1230	41.676
2	-97.6240	38.1230	0.000
3	-97.5721	37.8066	11.000
4	-97.5721	37.8066	0.000
5	-97.4951	38.0175	134.193
6	-97.4951	38.0175	0.000
7	-97.6960	38.1190	112.000
8	-97.6960	38.1190	0.000
9	-97.6960	38.1190	0.000
10	-97.6960	38.1190	0.000
11	-97.4598	38.0095	122.605
12	-97.6274	37.8135	12.000
13	-97.7539	38.4531	179.000
14	-97.7432	37.9384	0.000
15	-97.6557	37.8440	0.000
16	-97.8227	38.0645	0.000
17	-97.4419	37.8432	151.000
18	-97.9442	38.1644	29.481
19	-97.7789	37.7537	2.375
20	-97.4849	37.7730	161.301
21	-97.4448	38.0360	0.000
22	-97.4448	38.0360	0.000
23	-97.6925	37.9379	91.583
24	-97.5777	37.7901	163.000
25	-97.7451	38.2934	73.655
26	-97.4406	37.9195	129.000
27	-97.4696	37.7715	0.000
28	-97.4355	37.8576	171.000
29	-97.9106	38.0048	80.550
30	-97.5581	37.7683	162.000
31	-97.7625	37.9014	170.000
32	-97.4864	37.9885	72.634
33	-97.5800	37.9319	80.000
34	-97.5545	37.9771	821.793
35	-97.4264	38.3556	0.000
36	-98.0399	37.9337	0.000
37	-97.4569	38.0116	122.222
38	-97.6322	38.2961	0.000
39	-97.6322	38.2961	0.000
40	-97.8853	38.0719	41.728
41	-97.4399	38.3286	105.000
42	-97.4399	38.3286	0.000
43	-97.6968	38.2417	182.000
44	-97.6968	38.2417	0.000
45	-97.6968	38.2417	0.000
46	-97.7172	38.3587	134.000
47	-97.9931	38.0824	16.887
48	-97.7014	38.1774	140.310
49	-97.9236	37.9556	0.000
50	-97.4955	37.7821	30.727

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
51	-97.9490	37.9918	169.871
52	-97.9703	37.7591	71.486
53	-97.9807	38.1176	50.379
54	-98.0318	37.7900	137.142
55	-97.9911	37.7994	0.000
56	-97.6557	37.8613	216.000
57	-97.5580	37.8012	148.000
58	-97.9183	38.0493	17.186
59	-97.9183	38.0493	0.000
60	-98.0406	38.1043	5.887
61	-98.0089	37.9771	50.729
62	-97.6150	37.9340	62.000
63	-97.6150	37.9340	0.000
64	-97.7606	37.9569	0.000
65	-97.8700	38.0932	5.170
66	-97.6654	38.2321	202.178
67	-97.4816	37.9489	50.367
68	-97.4816	37.9489	0.000
69	-97.4816	37.9489	0.000
70	-97.7245	37.9452	94.000
71	-97.7245	37.9452	0.000
72	-97.6464	37.9087	123.148
73	-97.8227	38.0634	23.240
74	-97.6330	37.9156	61.869
75	-97.9274	38.0565	0.767
76	-97.5487	37.7648	0.000
77	-97.5730	38.0323	112.877
78	-97.4498	37.8814	0.000
79	-97.4498	37.8814	0.000
80	-97.6064	37.9888	154.218
81	-97.6064	37.9888	0.000
82	-97.6354	37.9633	27.000
83	-97.5830	38.0775	2.129
84	-97.5830	38.0775	0.000
85	-97.7402	38.4067	130.000
86	-97.8078	37.9402	0.000
87	-97.5783	37.9797	101.163
88	-97.4630	37.8692	867.556
89	-97.5194	37.9160	170.000
90	-97.6637	37.8618	1.000
91	-97.5685	37.8031	97.000
92	-97.5685	37.8031	0.000
93	-97.5685	37.8031	0.000
94	-98.0350	38.1042	345.701
95	-97.5378	37.7884	0.000
96	-97.5378	37.7884	0.000
97	-97.7424	37.8872	52.000
98	-97.8447	38.0951	29.586
99	-97.8447	38.0951	0.000
100	-97.5963	37.9305	24.748

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
101	-97.5830	38.1268	0.000
102	-97.5830	38.1268	0.000
103	-97.6241	37.9455	167.000
104	-97.3991	37.8143	169.955
105	-97.4334	38.3111	76.000
106	-97.5868	37.9377	208.000
107	-97.9863	38.0247	8.375
108	-97.6756	38.2572	162.783
109	-97.6756	38.2572	0.000
110	-97.6756	38.2572	0.000
111	-97.7307	37.9965	0.000
112	-97.7047	38.2693	223.556
113	-97.5742	37.9929	625.083
114	-97.6146	37.8361	151.726
115	-97.5216	37.7539	0.000
116	-97.4164	38.3059	29.323
117	-97.4577	38.3222	62.000
118	-97.4577	38.3222	0.000
119	-97.7339	38.2573	93.000
120	-97.6465	37.9025	135.522
121	-97.6015	37.8141	309.000
122	-97.6015	37.8141	0.000
123	-97.6015	37.8141	0.000
124	-97.4862	37.9997	37.055
125	-97.8955	38.0567	0.000
126	-97.8955	38.0567	0.000
127	-97.8411	37.9866	0.000
128	-97.5498	37.8121	122.000
129	-97.5498	37.8121	37.000
130	-97.5498	37.8121	0.000
131	-97.7298	37.9949	0.000
132	-97.9175	38.0404	372.115
133	-97.6333	38.2357	132.551
134	-97.6333	38.2357	0.000
135	-97.4294	38.3202	172.668
136	-97.5622	38.1153	6.076
137	-97.5622	38.1153	0.000
138	-97.6891	38.1992	184.000
139	-97.6700	38.1776	150.160
140	-97.6563	38.0470	197.000
141	-97.9715	38.0327	10.419
142	-97.9521	38.0414	434.431
143	-97.6507	38.1267	70.000
144	-97.7981	37.9194	0.000
145	-97.5499	37.8959	0.000
146	-97.8412	37.9866	87.000
147	-98.1196	38.1630	0.000
148	-97.6564	38.1447	196.333
149	-97.6564	38.1447	0.000
150	-97.3388	37.7686	19.279

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
151	-97.6593	38.0588	0.000
152	-97.6816	38.1376	56.302
153	-97.6816	38.1376	0.000
154	-97.5220	37.7911	398.605
155	-97.6777	38.2200	184.594
156	-97.4357	37.8217	8.691
157	-97.5383	37.9617	1.187
158	-97.5383	37.9617	0.000
159	-97.6657	37.9343	0.000
160	-97.6657	37.9343	0.000
161	-97.8450	38.0943	48.567
162	-97.8450	38.0943	0.000
163	-97.5809	37.7749	11.932
164	-97.6466	37.8615	159.148
165	-97.6466	37.8615	0.000
166	-97.6894	38.2489	199.754
167	-97.6894	38.2489	0.000
168	-97.8667	38.0588	0.008
169	-97.8074	37.9743	0.000
170	-97.8074	37.9743	0.000
171	-97.8412	37.9866	0.000
172	-97.6607	37.9750	78.000
173	-97.5780	38.0031	139.232
174	-97.5353	38.2019	1.449
175	-97.4215	38.3114	57.081
176	-98.0237	37.7598	140.000
177	-97.9573	37.9578	0.000
178	-97.5519	38.0229	5.036
179	-98.0225	37.8102	129.000
180	-97.7284	37.9123	33.750
181	-97.7284	37.9123	0.000
182	-97.7284	37.9123	0.000
183	-98.0455	37.9338	147.394
184	-97.8712	38.0931	4.261
185	-97.7202	38.2606	172.103
186	-97.9006	38.0491	0.000
187	-97.5979	37.9074	63.000
188	-97.8682	37.9692	197.000
189	-97.4762	37.8649	0.000
190	-98.0410	37.9540	95.008
191	-98.0410	37.9540	0.000
192	-97.4258	38.0051	0.000
193	-97.4249	37.8943	1.473
194	-97.6885	38.1558	182.991
195	-97.6885	38.1558	0.000
196	-97.5045	37.8729	135.338
197	-98.0063	38.0952	0.000
198	-97.6837	38.2886	26.466
199	-97.6837	38.2886	0.000
200	-97.5320	38.0319	147.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
201	-97.5320	38.0319	0.000
202	-97.9010	38.0513	0.000
203	-97.6135	37.8498	18.340
204	-97.7080	38.4294	142.000
205	-97.6701	37.9598	202.362
206	-97.7431	38.4023	0.000
207	-97.4632	37.8755	536.626
208	-97.6971	37.9817	93.671
209	-97.6104	37.9420	266.450
210	-97.6104	37.9420	0.000
211	-97.6700	38.1576	0.000
212	-97.3853	37.7923	79.714
213	-97.7245	38.0103	153.234
214	-97.7245	38.0103	0.000
215	-97.7023	38.4176	99.220
216	-97.7495	38.3619	0.000
217	-97.6698	38.1389	151.167
218	-97.6698	38.1389	0.000
219	-97.5178	37.7881	45.094
220	-97.5184	37.8655	59.673
221	-97.7315	37.9958	0.000
222	-97.8249	37.9813	0.000
223	-97.6854	38.3621	566.075
224	-97.4680	37.9814	135.227
225	-97.6070	38.1565	0.000
226	-97.9897	37.8095	0.000
227	-97.5686	37.9959	160.063
228	-97.5331	37.7863	46.273
229	-97.3915	37.8353	48.000
230	-97.6227	37.8497	0.000
231	-97.9681	37.7519	148.000
232	-97.4780	37.7946	0.000
233	-97.6700	38.1204	115.000
234	-97.5118	37.9868	0.000
235	-97.7277	38.2669	110.701
236	-97.4376	38.3455	110.756
237	-97.6898	38.1812	219.333
238	-97.6701	38.0179	0.190
239	-97.9247	37.9555	0.000
240	-97.7855	38.4666	1.708
241	-97.4632	38.0229	29.000
242	-98.0551	37.9593	117.000
243	-98.0551	37.9593	0.000
244	-98.1394	37.9085	0.000
245	-97.4669	37.7308	1.455
246	-97.8984	37.9810	195.405
247	-97.8984	37.9810	0.000
248	-97.8984	37.9810	0.000
249	-97.8984	37.9810	0.000
250	-97.5653	38.0855	2.671

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
251	-97.6990	38.4020	80.000
252	-97.6089	38.0251	232.000
253	-97.4964	37.8649	101.000
254	-97.4964	37.8649	0.000
255	-97.7987	37.9811	131.000
256	-97.7987	37.9811	0.000
257	-97.8607	38.0597	0.000
258	-97.8982	38.1580	3.026
259	-97.6008	37.9377	105.590
260	-97.4901	37.9127	486.796
261	-98.0562	37.9521	199.000
262	-98.0562	37.9521	0.000
263	-98.0499	37.8098	194.557
264	-97.5981	38.1795	40.332
265	-97.5229	37.9270	78.000
266	-97.6514	38.0360	108.660
267	-97.6514	38.0360	0.000
268	-97.5173	37.7803	137.173
269	-97.4830	37.9044	358.010
270	-97.4570	38.0076	60.724
271	-97.6237	37.8434	286.000
272	-97.6237	37.8434	2.000
273	-97.6237	37.8434	0.000
274	-97.6237	37.8434	0.000
275	-97.4243	38.0039	0.000
276	-97.6880	37.8725	0.000
277	-98.0139	38.0680	0.000
278	-98.0139	38.0680	0.000
279	-98.0139	38.0680	0.000
280	-97.7771	38.4544	103.462
281	-97.7771	38.4544	0.000
282	-97.7266	38.2860	0.000
283	-98.0904	37.9449	5.406
284	-98.0904	37.9449	0.000
285	-97.9098	38.0461	0.215
286	-97.9763	38.1175	309.037
287	-97.4416	38.3378	130.919
288	-97.8817	37.9532	0.000
289	-98.0705	37.8143	0.000
290	-97.6649	37.9703	80.000
291	-97.6649	37.9703	0.000
292	-97.9498	37.7374	144.403
293	-97.5138	38.0248	24.000
294	-97.9241	37.9556	0.000
295	-97.8941	38.0717	203.286
296	-97.7064	38.2192	84.000
297	-97.8072	37.9743	0.000
298	-97.8072	37.9743	0.000
299	-97.4130	37.8088	147.000
300	-97.6053	38.0186	89.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
301	-97.6053	38.0186	0.000
302	-97.4912	37.8651	118.472
303	-97.8982	38.1557	3.314
304	-97.6443	37.8704	80.000
305	-97.5417	37.8798	167.760
306	-97.9456	38.0942	21.673
307	-97.5237	37.7650	0.000
308	-97.3958	37.8314	0.000
309	-97.5944	37.7971	97.000
310	-97.7490	38.3691	68.000
311	-97.7490	38.3691	0.000
312	-97.7087	38.4239	118.000
313	-97.6146	37.9232	59.000
314	-97.4587	37.8503	174.853
315	-97.9565	37.9843	321.876
316	-97.9565	37.9843	0.000
317	-97.6936	38.4134	100.000
318	-97.8664	38.0653	11.938
319	-97.7249	38.2732	189.252
320	-97.5139	37.9341	80.000
321	-98.0233	37.8034	132.417
322	-97.6447	38.2716	161.005
323	-97.5003	38.0129	23.000
324	-97.6246	37.7946	52.576
325	-97.6246	37.7946	0.000
326	-97.5031	37.8369	222.000
327	-97.5031	37.8369	0.000
328	-97.7499	38.3204	148.500
329	-97.6514	37.9888	100.000
330	-97.6707	38.1961	151.910
331	-98.1358	37.9157	211.000
332	-97.7953	37.9968	7.765
333	-97.7180	38.2719	0.000
334	-98.0639	37.8060	151.591
335	-97.4219	37.8358	156.292
336	-97.9124	37.9749	61.000
337	-97.7429	37.9672	84.000
338	-97.5417	38.0372	82.497
339	-97.5417	38.0372	0.000
340	-98.0454	37.9373	182.000
341	-98.0454	37.9373	0.000
342	-98.0294	37.9809	0.000
343	-98.0261	37.7744	0.000
344	-97.4921	37.8975	845.119
345	-97.7386	38.2198	160.000
346	-97.3414	37.8029	250.808
347	-97.3414	37.8029	0.000
348	-97.9369	38.0706	567.683
349	-97.6884	38.2085	186.000
350	-97.6884	38.2085	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
351	-97.5796	37.8831	110.000
352	-97.5796	37.8831	0.000
353	-97.9587	37.9444	0.000
354	-97.9587	37.9444	0.000
355	-97.7745	37.9026	0.000
356	-97.4047	38.3425	5.583
357	-97.6607	37.9598	154.000
358	-97.7222	38.3838	145.750
359	-97.7222	38.3838	0.000
360	-97.6689	38.1694	93.005
361	-98.0466	38.1180	107.000
362	-97.4885	37.7789	101.273
363	-97.4885	37.7789	0.000
364	-97.8207	37.9775	25.000
365	-97.8207	37.9775	0.000
366	-97.4864	37.8978	34.998
367	-97.9190	38.0393	1118.984
368	-97.9367	38.0584	0.000
369	-97.9367	38.0584	0.000
370	-98.0628	37.8287	131.361
371	-97.6731	37.8440	228.620
372	-98.0257	37.8255	0.000
373	-97.6032	38.1905	179.289
374	-97.6032	38.1905	0.000
375	-97.7957	37.9430	54.000
376	-97.7957	37.9430	0.000
377	-97.7246	37.9580	47.138
378	-97.7246	37.9580	47.138
379	-97.7246	37.9580	0.000
380	-97.9305	38.0541	0.000
381	-97.6146	37.8942	117.001
382	-97.6146	37.8942	0.000
383	-97.4956	37.8942	99.547
384	-97.8036	38.1261	0.473
385	-97.8500	38.0047	0.000
386	-97.7566	37.9952	40.000
387	-97.6282	37.9004	65.000
388	-97.6282	37.9004	0.000
389	-97.7168	37.9095	0.000
390	-97.5454	37.8113	88.000
391	-97.5698	38.2031	79.905
392	-97.5698	38.2031	0.000
393	-97.7767	38.4639	89.518
394	-97.7767	38.4639	0.000
395	-97.5048	37.8509	159.000
396	-97.4641	37.9950	151.654
397	-98.0025	38.1058	37.000
398	-98.0025	38.1058	0.000
399	-97.5654	38.0855	0.000
400	-97.4256	37.9013	8.352

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
401	-97.4632	37.8356	75.863
402	-97.4811	37.7853	13.555
403	-97.4787	37.7752	42.562
404	-97.4161	38.3267	0.000
405	-97.4103	37.8001	0.000
406	-97.7359	38.3669	59.000
407	-97.5006	38.2021	0.451
408	-97.5717	38.2031	232.026
409	-97.7429	38.2834	173.776
410	-97.6853	38.3563	503.383
411	-98.0131	38.1143	123.320
412	-98.0131	38.1143	0.000
413	-97.6697	37.8706	62.983
414	-97.4751	37.8450	10.938
415	-97.4652	37.9332	0.508
416	-97.5704	38.1319	0.000
417	-97.6150	38.1850	218.198
418	-97.6885	38.1738	207.000
419	-97.6885	38.1738	0.000
420	-97.5735	38.2185	143.071
421	-97.9424	38.1167	20.565
422	-97.4683	37.8795	97.534
423	-97.7339	37.9743	109.000
424	-97.9262	37.9787	39.660
425	-97.9262	37.9787	0.000
426	-97.6100	37.9076	120.000
427	-97.7154	37.9379	126.693
428	-97.5002	37.8467	0.000
429	-97.4311	37.9802	89.577
430	-97.7245	38.2321	87.735
431	-97.7245	38.2321	0.000
432	-98.1377	38.1684	136.000
433	-98.1377	38.1684	0.000
434	-97.4917	37.8031	0.000
435	-98.0061	38.0949	0.000
436	-98.0823	38.1432	0.023
437	-98.0823	38.1432	0.000
438	-98.0823	38.1432	0.000
439	-97.9261	37.9748	37.471
440	-97.5507	37.8798	183.000
441	-97.7242	37.8761	138.763
442	-98.0546	37.8216	156.777
443	-97.9447	38.1650	42.280
444	-97.5178	37.7853	174.859
445	-97.9810	38.0186	0.000
446	-97.5758	38.0937	135.000
447	-97.5758	38.0937	0.000
448	-98.0500	37.9482	171.750
449	-98.0500	37.9482	0.000
450	-97.9229	38.0728	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
451	-97.7285	37.8852	158.000
452	-97.5814	37.8461	0.000
453	-97.9701	37.7446	78.000
454	-97.9701	37.7446	0.000
455	-97.5097	37.8579	37.000
456	-97.6151	38.1266	88.081
457	-97.6151	38.1266	0.000
458	-97.7281	38.4530	102.000
459	-98.0042	38.0066	172.000
460	-98.0042	38.0066	0.000
461	-97.5410	37.8872	104.000
462	-97.5779	37.9013	146.353
463	-97.4290	37.9634	111.468
464	-97.6353	38.0157	0.000
465	-97.9776	37.9498	0.055
466	-98.0729	37.9518	100.261
467	-98.0729	37.9518	0.000
468	-97.5717	37.7884	119.502
469	-97.7699	38.0174	31.000
470	-98.0318	37.7852	195.052
471	-98.0318	37.7852	0.000
472	-97.9081	37.9679	180.000
473	-97.9081	37.9679	0.000
474	-97.7038	38.3401	406.615
475	-98.0554	37.8091	193.624
476	-97.7450	38.3140	92.000
477	-97.7450	38.3140	0.000
478	-97.9729	38.1044	177.658
479	-97.7302	37.9956	0.000
480	-97.4689	37.7713	0.000
481	-97.6723	38.3667	157.026
482	-97.7136	38.2148	35.323
483	-97.7287	37.9950	0.000
484	-97.7449	38.2715	80.429
485	-97.7341	38.2526	138.000
486	-97.7045	37.8651	87.905
487	-98.0734	38.1624	92.148
488	-97.6824	38.3770	576.177
489	-97.7279	37.9950	0.000
490	-97.5551	38.0093	205.000
491	-97.5551	38.0093	0.000
492	-98.0410	37.9553	75.440
493	-98.0410	37.9553	0.000
494	-97.7407	38.3223	89.673
495	-97.9355	37.7486	117.661
496	-97.5233	37.8726	156.000
497	-97.5233	37.8726	0.000
498	-97.7062	37.9379	174.419
499	-98.1371	37.9192	76.059
500	-97.8619	37.9737	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
501	-97.4773	37.8361	179.848
502	-97.6637	37.8320	0.000
503	-97.9124	38.0856	283.995
504	-97.5243	38.1447	285.471
505	-97.6325	37.8764	81.019
506	-98.0009	38.0975	85.043
507	-97.6238	38.0469	136.139
508	-97.5421	38.1743	196.363
509	-97.5421	38.1743	0.000
510	-97.6896	38.2578	187.816
511	-97.5471	37.8049	199.063
512	-97.7104	37.8906	156.000
513	-97.4814	37.8988	217.977
514	-97.6329	37.9888	122.000
515	-97.7339	37.9816	178.000
516	-97.8879	38.0720	231.520
517	-97.8916	37.9882	100.000
518	-97.8916	37.9882	0.000
519	-97.6705	38.2354	172.000
520	-97.6705	38.2354	0.000
521	-97.6539	37.9817	26.000
522	-97.4497	37.9305	167.000
523	-97.9862	37.7517	192.000
524	-97.9862	37.7517	0.000
525	-97.6380	38.1997	147.851
526	-97.5130	38.0103	96.000
527	-97.5130	38.0103	0.000
528	-97.4693	37.8578	0.000
529	-97.6701	37.9669	189.917
530	-98.0410	37.9547	0.000
531	-98.0410	37.9547	0.000
532	-97.4581	37.8656	117.000
533	-97.4263	38.3062	14.270
534	-97.4284	38.3551	0.000
535	-97.3817	37.8393	36.222
536	-97.3817	37.8393	0.000
537	-98.0293	37.8155	59.112
538	-98.0272	37.9698	164.026
539	-97.6055	37.9377	105.000
540	-97.6055	37.9377	0.000
541	-97.7840	38.4667	1.286
542	-97.7579	38.0476	3.068
543	-97.7286	38.4495	83.000
544	-97.7286	38.4495	0.000
545	-97.6792	37.9669	194.000
546	-97.5684	38.0758	123.351
547	-98.0400	38.1717	85.366
548	-97.9611	38.0857	838.604
549	-97.4513	38.3079	71.000
550	-97.4513	38.3079	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
551	-97.8663	38.0597	0.624
552	-97.7036	38.2895	190.000
553	-97.6860	37.9958	0.000
554	-97.6665	37.9342	0.000
555	-97.6665	37.9342	0.000
556	-97.7529	38.2865	206.244
557	-97.7529	38.2865	0.000
558	-97.5728	37.9058	352.683
559	-97.5787	38.2223	79.417
560	-98.0542	38.1221	162.302
561	-97.4061	37.8124	219.340
562	-97.4061	37.8124	0.000
563	-97.5272	38.1290	21.213
564	-97.5272	38.1290	0.000
565	-97.4770	38.0467	167.000
566	-97.4770	38.0467	0.000
567	-97.4770	38.0467	0.000
568	-97.8073	37.9743	0.000
569	-97.8073	37.9743	0.000
570	-97.5653	38.0855	0.000
571	-97.9009	37.9517	0.000
572	-97.5234	37.9232	215.000
573	-97.5049	37.9087	112.000
574	-97.5049	37.9087	0.000
575	-97.4163	37.8513	191.646
576	-97.8974	38.0510	0.000
577	-97.6631	38.4516	1.499
578	-97.6880	37.9161	176.326
579	-98.0641	37.7986	193.122
580	-97.7460	38.2880	153.506
581	-97.7460	38.2880	0.000
582	-97.5220	37.7940	0.000
583	-97.5727	38.0061	686.372
584	-97.5273	37.8244	45.000
585	-97.5175	37.8976	601.545
586	-97.9248	38.0152	0.308
587	-97.5089	38.0282	0.000
588	-97.5089	38.0282	0.000
589	-97.5680	38.0176	77.000
590	-97.5680	38.0176	0.000
591	-97.5643	37.8815	76.000
592	-97.5643	37.8815	0.000
593	-97.3745	37.8427	1.453
594	-97.7847	38.4669	0.000
595	-97.4330	37.7702	0.000
596	-97.6021	37.9779	6.655
597	-97.5024	37.7583	0.000
598	-97.5024	37.7583	0.000
599	-97.9706	37.7812	136.000
600	-97.9706	37.7812	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
601	-97.5641	37.9742	104.598
602	-97.5641	37.9742	0.000
603	-97.5114	37.9667	116.000
604	-97.5114	37.9667	0.000
605	-97.7183	38.4212	28.000
606	-97.7183	38.4212	0.000
607	-97.7498	38.3729	0.000
608	-97.6070	38.1665	92.000
609	-97.6846	37.9586	4.419
610	-97.6989	38.2714	176.000
611	-97.4328	37.9176	0.075
612	-97.6881	37.9288	71.214
613	-97.4978	37.9377	30.741
614	-97.9755	38.0294	0.688
615	-97.9755	38.0294	0.000
616	-97.9755	38.0294	0.000
617	-97.5784	37.9668	102.000
618	-97.5784	37.9668	0.000
619	-97.5784	37.9668	0.000
620	-97.9435	38.0473	0.000
621	-97.5358	38.2019	9.964
622	-97.9629	37.9953	208.715
623	-97.7493	38.3987	79.000
624	-97.7493	38.3987	71.000
625	-97.5030	38.0184	69.000
626	-97.5030	38.0184	0.000
627	-98.0143	37.7882	194.000
628	-97.6926	37.9269	21.765
629	-97.3944	37.7960	80.000
630	-98.0318	37.7808	9.434
631	-97.5545	37.8155	114.000
632	-98.0276	38.0971	151.247
633	-97.6697	37.9889	128.000
634	-97.6697	37.9889	0.000
635	-97.6897	38.3151	185.748
636	-97.5833	38.2207	200.000
637	-97.5833	38.2207	0.000
638	-97.5833	38.2207	0.000
639	-97.5963	37.9232	119.000
640	-97.5962	38.0104	93.000
641	-97.5962	38.0104	0.000
642	-97.5962	38.0104	0.000
643	-97.8250	37.9813	208.000
644	-97.7497	38.3765	0.000
645	-97.8437	37.9894	37.000
646	-97.9537	38.0416	383.237
647	-97.4855	37.7841	0.853
648	-97.5490	37.7902	175.000
649	-97.5029	37.7764	33.401
650	-97.4853	37.7478	159.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
651	-97.4853	37.7478	0.000
652	-97.3990	37.8248	111.000
653	-97.3990	37.8248	0.000
654	-97.7077	38.2146	46.000
655	-97.7017	38.1682	99.825
656	-97.7325	38.2210	52.000
657	-97.5364	38.0725	169.574
658	-97.5364	38.0725	0.000
659	-97.4174	37.7857	0.000
660	-97.8342	38.0507	0.000
661	-97.9544	38.1070	89.557
662	-98.0099	37.7842	93.685
663	-97.4689	37.7712	0.000
664	-97.7344	38.2788	143.000
665	-97.4397	37.7775	63.964
666	-97.4397	37.7775	0.000
667	-97.5688	37.9433	73.000
668	-97.7220	38.3385	117.782
669	-97.7220	38.3385	0.000
670	-97.9588	37.9436	231.000
671	-97.9588	37.9436	0.000
672	-97.6654	38.4011	39.000
673	-97.5870	37.9051	77.855
674	-97.6456	37.9152	107.626
675	-97.5690	38.1087	134.806
676	-97.5690	38.1087	0.000
677	-97.4740	37.8969	245.493
678	-97.8284	37.9659	39.000
679	-97.9199	37.9777	239.022
680	-97.9199	37.9777	0.000
681	-97.6655	38.2499	143.355
682	-97.6883	38.1920	199.748
683	-97.6896	38.2754	110.112
684	-97.6756	38.2715	164.155
685	-97.5138	37.9814	151.726
686	-97.7063	38.2284	126.187
687	-97.6069	38.1669	0.000
688	-97.4776	37.7498	1.083
689	-97.6851	38.4425	131.000
690	-97.7283	38.3625	209.083
691	-97.9445	38.0945	4.773
692	-97.7168	38.3440	216.417
693	-97.9123	38.0048	77.068
694	-97.5783	37.9526	102.694
695	-97.5783	37.9526	0.000
696	-97.5539	38.0059	80.648
697	-97.5824	38.1269	221.903
698	-97.5824	38.1269	0.000
699	-97.6054	37.9923	120.250
700	-97.6054	37.9923	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
701	-97.5596	38.0904	142.752
702	-97.5596	38.0904	0.000
703	-97.5596	38.0904	0.000
704	-97.6670	38.3089	128.000
705	-97.6670	38.3089	0.000
706	-97.5962	38.0396	212.858
707	-97.6147	37.9287	85.000
708	-97.7358	38.3329	165.000
709	-97.6055	37.7951	104.735
710	-97.6446	38.2166	86.915
711	-97.7354	38.3894	92.000
712	-97.7057	37.8600	97.000
713	-97.8916	38.0720	76.560
714	-97.4955	37.9231	139.000
715	-97.4955	37.9231	0.000
716	-97.7731	37.9215	0.000
717	-97.5322	37.8291	0.000
718	-97.5322	37.8291	0.000
719	-97.9461	38.0969	2.940
720	-97.8981	38.0351	0.000
721	-97.8981	38.0351	0.000
722	-97.8981	38.0351	0.000
723	-97.6601	37.8431	164.000
724	-97.6601	37.8431	0.000
725	-97.6601	37.8431	0.000
726	-97.9288	37.7913	3.314
727	-97.6250	37.7963	0.000
728	-97.4385	38.3411	0.000
729	-97.5183	37.8616	116.004
730	-97.6006	37.8010	72.000
731	-97.8988	37.9771	137.029
732	-97.7451	38.3006	88.230
733	-97.9185	37.9625	0.000
734	-97.9185	37.9625	0.000
735	-97.9185	37.9625	0.000
736	-97.4930	37.7875	83.302
737	-97.5097	37.9119	268.831
738	-97.7061	37.9742	51.000
739	-97.4713	37.7765	0.000
740	-97.4221	37.8486	121.000
741	-97.4497	37.9266	91.576
742	-97.4591	37.7675	0.000
743	-97.5319	38.0395	275.122
744	-97.5319	38.0395	0.000
745	-97.5319	38.0395	0.000
746	-97.7397	38.3697	238.756
747	-97.7397	38.3697	0.000
748	-97.5278	37.8763	14.000
749	-97.4437	37.9540	76.000
750	-97.4981	37.9632	146.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
751	-97.8676	38.0589	0.032
752	-97.9456	38.0935	3.719
753	-97.6327	37.9305	192.000
754	-97.6327	37.9305	0.000
755	-97.6104	37.9845	468.828
756	-97.6422	37.9924	90.000
757	-98.0138	38.0680	0.000
758	-98.0138	38.0680	0.000
759	-98.0138	38.0680	0.000
760	-97.7250	38.3032	220.000
761	-97.6079	38.0359	151.137
762	-97.6079	38.0359	0.000
763	-97.6972	37.8870	179.000
764	-97.5763	37.7737	68.000
765	-97.7831	37.9053	94.777
766	-97.5989	38.1476	131.000
767	-97.5989	38.1476	0.000
768	-97.6331	37.9451	121.000
769	-97.7110	38.2356	204.000
770	-97.6070	38.1439	128.000
771	-97.6070	38.1439	0.000
772	-98.0822	38.1338	464.016
773	-98.0822	38.1338	149.500
774	-97.4134	37.7562	0.000
775	-97.6331	37.9576	33.000
776	-97.4629	38.0037	90.931
777	-98.0192	37.7794	2.648
778	-98.0593	37.8026	199.788
779	-97.7705	38.0247	148.000
780	-97.7705	38.0247	0.000
781	-97.5779	38.0178	166.167
782	-97.5779	38.0178	0.000
783	-97.7889	37.9815	221.000
784	-97.7682	37.9165	223.746
785	-97.9889	38.1017	17.764
786	-97.9889	38.1017	0.000
787	-97.7228	38.4050	64.000
788	-97.6597	38.1567	50.739
789	-97.6597	38.1567	0.000
790	-97.6882	38.2640	104.588
791	-97.6242	38.1630	131.707
792	-97.5358	38.2016	0.000
793	-97.6974	37.9320	69.000
794	-97.6249	37.8970	80.000
795	-97.5851	38.2128	113.369
796	-97.5851	38.2128	0.000
797	-97.3888	37.8531	0.000
798	-97.6283	37.9233	130.000
799	-97.3389	37.7698	68.289
800	-97.8697	38.0458	0.138

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
801	-97.6097	38.0319	147.590
802	-97.6097	38.0319	0.000
803	-97.4244	38.0057	0.000
804	-97.6972	37.8798	218.796
805	-97.9440	38.1651	0.000
806	-97.4222	37.8541	24.715
807	-97.7310	38.3841	3.899
808	-97.7310	38.3841	0.000
809	-97.8826	38.0793	68.922
810	-97.6147	38.0542	4.000
811	-97.6099	37.8876	114.000
812	-97.6099	37.8876	0.000
813	-97.8250	37.9812	0.000
814	-97.6802	38.1342	150.351
815	-97.6802	38.1342	0.000
816	-97.5199	37.7926	0.000
817	-97.5275	38.1247	70.000
818	-98.0317	37.8028	19.092
819	-98.0317	37.8028	0.000
820	-97.9519	37.9481	38.000
821	-97.6970	38.1483	200.000
822	-97.6970	38.1483	0.000
823	-97.7016	38.2218	125.781
824	-97.8905	38.0778	0.089
825	-97.6948	38.2094	168.537
826	-97.5683	38.2023	0.000
827	-97.6146	37.9808	113.000
828	-97.6622	38.1928	135.156
829	-97.6622	38.1928	0.000
830	-97.5425	37.8872	154.000
831	-97.5278	37.8727	0.000
832	-97.8216	38.0644	0.000
833	-97.7063	37.8871	82.000
834	-98.0270	37.9737	133.000
835	-98.0270	37.9737	0.000
836	-97.7391	38.3613	99.000
837	-97.5605	38.0324	207.000
838	-97.5605	38.0324	0.000
839	-98.0251	37.7799	0.000
840	-98.0251	37.7799	0.000
841	-97.5306	38.0542	153.509
842	-97.5306	38.0542	0.000
843	-97.4447	37.8339	0.000
844	-97.4447	37.8339	0.000
845	-97.4447	37.8339	0.000
846	-97.7355	38.4094	173.000
847	-97.6781	37.9111	12.429
848	-97.4497	38.3517	181.131
849	-97.4497	38.3517	0.000
850	-97.7171	38.3805	143.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
851	-97.4680	37.9741	132.631
852	-98.0180	37.9954	0.000
853	-97.9763	38.1299	761.207
854	-97.9933	38.0751	90.000
855	-97.4628	38.0089	46.963
856	-97.9345	38.0799	562.189
857	-97.9345	38.0799	0.000
858	-98.0257	37.8255	0.000
859	-97.6604	37.8504	101.181
860	-97.4449	37.8759	121.000
861	-97.6071	38.0126	125.000
862	-98.0547	37.9955	157.000
863	-97.7791	37.8962	298.000
864	-97.7791	37.8962	0.000
865	-97.7791	37.8962	0.000
866	-97.7791	37.8962	0.000
867	-97.7791	37.8962	0.000
868	-97.7791	37.8962	0.000
869	-97.7791	37.8962	0.000
870	-97.9584	37.9808	304.194
871	-97.9584	37.9808	0.000
872	-97.7167	38.2310	95.074
873	-97.7633	38.4387	170.396
874	-97.8507	38.0851	3.154
875	-97.4546	38.3038	65.447
876	-97.4546	38.3038	0.000
877	-97.4681	37.9014	138.000
878	-97.4681	37.9014	0.000
879	-97.9487	37.9995	148.267
880	-97.6972	37.8942	170.000
881	-97.6972	37.8942	0.000
882	-97.3911	37.8404	0.000
883	-97.4957	37.8504	126.000
884	-97.4957	37.8504	0.000
885	-97.6973	37.9450	117.201
886	-97.3405	37.7686	65.588
887	-98.0685	37.8102	128.224
888	-97.3809	37.8450	209.737
889	-97.3809	37.8450	0.000
890	-97.3809	37.8450	0.000
891	-97.6988	38.3513	0.000
892	-97.4100	37.7849	0.000
893	-97.4100	37.7849	0.000
894	-97.6463	38.0358	126.000
895	-97.6463	38.0358	0.000
896	-97.6972	38.1243	0.000
897	-97.4579	38.0089	193.196
898	-97.5053	37.9404	110.296
899	-97.5139	37.8672	54.759
900	-97.9189	37.9628	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
901	-97.9189	37.9628	0.000
902	-97.9189	37.9628	0.000
903	-97.6831	37.8815	79.684
904	-97.4813	37.9918	239.708
905	-97.5458	38.0710	127.000
906	-97.5458	38.0710	0.000
907	-98.0698	37.8143	0.000
908	-97.6375	37.8287	16.351
909	-97.4679	37.8503	120.156
910	-97.6516	38.0470	129.583
911	-97.6516	38.0470	0.000
912	-97.6516	38.0470	0.000
913	-97.7197	38.1737	200.740
914	-97.6505	38.1378	155.301
915	-97.6654	38.0538	0.368
916	-97.6159	38.2286	282.299
917	-97.6159	38.2286	0.000
918	-97.6159	38.2286	0.000
919	-97.6159	38.2286	0.000
920	-97.7078	38.3777	117.799
921	-97.5505	38.1736	119.776
922	-97.5505	38.1736	0.000
923	-97.7509	38.3125	8.746
924	-97.9776	37.7811	0.000
925	-97.3673	37.7904	18.000
926	-97.6228	37.8068	213.000
927	-97.6228	37.8068	0.000
928	-97.5220	37.7853	112.364
929	-97.6400	37.8115	170.876
930	-97.3934	37.8458	0.000
931	-97.7068	38.4358	186.000
932	-97.7154	37.9234	45.573
933	-97.7154	37.9234	41.000
934	-97.5322	37.8292	0.000
935	-97.5322	37.8292	0.000
936	-97.7318	37.9949	0.000
937	-98.0818	37.8391	53.917
938	-98.0818	37.8391	0.000
939	-97.4589	37.7353	37.740
940	-97.4589	37.7353	0.000
941	-98.1230	38.1657	0.000
942	-97.7165	38.1783	165.814
943	-97.6054	37.9092	0.000
944	-97.9836	37.9948	15.762
945	-97.4462	38.3579	43.400
946	-97.9676	37.9413	10.874
947	-97.3421	37.7685	135.405
948	-98.0701	37.8143	144.400
949	-97.5873	37.8942	20.711
950	-97.8999	37.9519	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
951	-97.4428	37.8796	7.236
952	-97.4428	37.8796	0.000
953	-97.8802	37.9666	168.000
954	-97.6147	37.9448	212.000
955	-97.5596	37.8925	57.358
956	-98.0049	37.7882	0.000
957	-97.6973	37.9379	183.000
958	-97.7061	38.3780	663.000
959	-97.6646	37.8577	89.200
960	-98.0637	38.1411	168.482
961	-98.0637	38.1411	0.000
962	-97.6145	38.0213	95.000
963	-97.7058	37.9960	0.000
964	-97.7058	37.9960	0.000
965	-97.5505	37.9524	173.000
966	-98.0289	37.8225	49.716
967	-97.9187	37.9627	183.000
968	-97.9187	37.9627	14.000
969	-97.9187	37.9627	0.000
970	-97.5139	37.8536	65.208
971	-97.5139	37.8536	0.000
972	-97.6215	37.8976	83.000
973	-97.6215	37.8976	0.000
974	-97.7262	38.3224	194.000
975	-97.4270	37.9776	183.004
976	-97.5002	37.8468	846.012
977	-97.4225	37.7658	0.000
978	-97.5826	37.8796	211.000
979	-97.5826	37.8796	0.000
980	-97.7496	38.3619	52.914
981	-97.5120	37.7656	175.473
982	-97.4644	37.8826	545.765
983	-97.5453	37.8141	48.722
984	-97.6466	37.8504	50.821
985	-97.6418	37.8978	74.000
986	-97.6659	38.1827	107.810
987	-97.6423	37.9048	74.903
988	-97.5321	37.9306	148.000
989	-97.4811	38.0515	6.665
990	-97.6587	38.1414	217.000
991	-97.9744	38.0311	37.090
992	-97.9744	38.0311	0.000
993	-97.9744	38.0311	0.000
994	-98.0550	38.1556	159.000
995	-98.0550	38.1556	0.000
996	-98.0550	38.1556	0.000
997	-98.0550	38.1556	0.000
998	-97.5871	38.0431	215.750
999	-97.4763	37.9868	18.000
1000	-97.4763	37.9868	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1001	-97.7250	38.2331	77.748
1002	-97.7250	38.2331	0.000
1003	-97.9638	37.8861	0.000
1004	-97.6083	37.8381	0.000
1005	-97.6083	37.8381	0.000
1006	-97.4414	37.9017	113.000
1007	-97.5714	38.1946	116.515
1008	-97.5714	38.1946	33.600
1009	-97.5822	38.1269	0.000
1010	-97.5822	38.1269	0.000
1011	-97.4899	37.9803	42.713
1012	-97.7358	38.2931	112.000
1013	-97.5049	37.8869	92.780
1014	-97.6011	38.1615	50.000
1015	-97.6011	38.1615	0.000
1016	-97.6150	37.8289	173.700
1017	-97.4541	37.8285	91.000
1018	-97.4668	37.7265	0.000
1019	-97.4668	37.7265	0.000
1020	-97.5683	37.7978	129.924
1021	-97.4496	37.8941	124.000
1022	-97.5084	37.7926	0.000
1023	-97.9520	37.9843	381.978
1024	-97.9520	37.9843	0.000
1025	-97.4541	37.8416	21.654
1026	-97.6805	38.4019	78.000
1027	-97.5510	38.1959	158.000
1028	-97.8791	37.9600	67.000
1029	-97.4320	37.9667	143.018
1030	-97.9289	37.7913	3.314
1031	-97.9442	38.1667	33.387
1032	-97.3992	37.8075	189.597
1033	-97.6881	38.2405	215.075
1034	-97.6149	38.1778	137.357
1035	-97.8974	38.0488	0.000
1036	-97.7703	38.4729	100.000
1037	-97.4850	37.7551	183.480
1038	-97.5844	37.7901	165.000
1039	-97.5844	37.7901	0.000
1040	-97.5844	37.7901	0.000
1041	-97.4257	38.3033	107.545
1042	-97.9143	38.0397	557.568
1043	-97.4771	37.9377	114.000
1044	-97.4681	37.8869	92.030
1045	-97.4233	38.2784	13.527
1046	-97.7317	38.2858	88.725
1047	-97.9407	38.0591	2.470
1048	-97.4256	37.9667	27.565
1049	-97.6795	38.2355	85.000
1050	-97.6795	38.2355	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1051	-97.6748	38.2008	122.571
1052	-97.6748	38.2008	0.000
1053	-97.4584	37.9813	129.000
1054	-97.4584	37.9813	0.000
1055	-97.4792	38.0547	112.617
1056	-97.4499	37.8615	44.494
1057	-97.8876	38.0782	10.421
1058	-97.5049	37.8581	168.000
1059	-97.9911	38.1259	187.602
1060	-97.9588	37.9438	0.000
1061	-97.9588	37.9438	0.000
1062	-98.0138	38.0679	53.674
1063	-98.0138	38.0679	0.000
1064	-98.0138	38.0679	0.000
1065	-97.7020	37.8761	115.583
1066	-97.7020	37.8761	0.000
1067	-97.9341	37.9885	0.000
1068	-97.5322	37.8289	0.000
1069	-97.5322	37.8289	0.000
1070	-97.9554	38.0413	680.375
1071	-97.7899	38.0129	0.000
1072	-97.9305	38.0492	0.000
1073	-97.6659	38.2171	8.317
1074	-97.4397	37.7836	0.000
1075	-97.5964	37.8534	0.000
1076	-97.4907	37.8395	0.000
1077	-97.7133	38.1726	166.997
1078	-97.6252	38.1403	73.000
1079	-98.0274	38.1661	61.132
1080	-98.0410	37.7880	194.293
1081	-98.0410	37.7880	0.000
1082	-97.5052	37.9651	60.700
1083	-97.8667	38.0588	0.000
1084	-97.6506	38.1484	157.750
1085	-97.6506	38.1484	0.000
1086	-97.8950	38.0507	0.000
1087	-97.4469	37.9054	132.000
1088	-97.9533	38.0416	1104.158
1089	-97.7397	38.3959	888.000
1090	-97.7539	38.2787	0.000
1091	-97.7539	38.2787	0.000
1092	-97.6987	38.3370	0.000
1093	-97.7981	37.9888	0.000
1094	-97.5135	37.7907	188.000
1095	-97.5135	37.7907	0.000
1096	-97.5121	37.8615	62.931
1097	-97.5121	37.8615	0.000
1098	-97.7430	37.9353	0.000
1099	-98.1188	37.9289	146.345
1100	-98.1188	37.9289	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1101	-97.5358	38.1980	0.000
1102	-97.5358	38.1980	0.000
1103	-97.5358	38.1980	0.000
1104	-97.5693	38.2259	0.000
1105	-98.0201	37.7863	123.000
1106	-98.0201	37.7863	0.000
1107	-98.0201	37.7863	0.000
1108	-97.7577	38.0477	0.000
1109	-97.8073	37.9743	170.000
1110	-97.8073	37.9743	0.000
1111	-97.6146	38.0323	158.250
1112	-97.7999	37.9199	69.000
1113	-97.4727	37.9073	177.745
1114	-97.4727	37.9073	0.000
1115	-97.8922	38.0778	0.000
1116	-97.5224	38.0199	125.044
1117	-97.5224	38.0199	0.000
1118	-97.5410	37.7797	0.000
1119	-97.7169	38.3949	108.000
1120	-97.5228	37.9796	50.371
1121	-97.5329	37.8291	0.000
1122	-97.5329	37.8291	0.000
1123	-98.1331	37.9173	0.000
1124	-98.1331	37.9173	0.000
1125	-97.5498	37.9353	129.000
1126	-98.0550	37.9665	180.475
1127	-98.0550	37.9665	0.000
1128	-97.3390	37.7950	160.316
1129	-97.6171	37.8213	30.414
1130	-97.6241	38.2575	108.000
1131	-97.4708	37.7720	0.000
1132	-97.8500	38.0047	0.000
1133	-97.5758	37.8396	11.619
1134	-97.5758	37.8396	0.000
1135	-97.5758	37.8396	0.000
1136	-97.7174	38.3003	184.893
1137	-97.6834	38.1736	218.845
1138	-97.6834	38.1736	0.000
1139	-98.0138	38.0679	0.000
1140	-98.0138	38.0679	0.000
1141	-98.0138	38.0679	0.000
1142	-97.7248	38.1483	189.162
1143	-97.7248	38.1483	0.000
1144	-97.7248	38.1483	0.000
1145	-97.5672	37.8937	144.000
1146	-97.9633	37.8853	0.000
1147	-97.6790	37.9943	0.000
1148	-97.9716	38.0343	0.000
1149	-97.6307	37.8505	114.000
1150	-97.5887	37.8054	59.003

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1151	-97.6649	38.1901	181.186
1152	-97.5187	37.8604	50.586
1153	-97.5187	37.8604	0.000
1154	-97.6147	37.9087	175.178
1155	-97.5358	38.1974	0.000
1156	-97.5358	38.1974	0.000
1157	-97.5358	38.1974	0.000
1158	-97.5693	38.2068	77.007
1159	-97.5693	38.2068	0.000
1160	-97.9415	38.0857	404.080
1161	-98.0914	37.9449	32.291
1162	-98.0914	37.9449	0.000
1163	-97.6970	38.1093	134.077
1164	-97.6970	38.1093	0.000
1165	-97.5878	38.2031	134.911
1166	-97.6581	38.1485	142.500
1167	-97.6581	38.1485	0.000
1168	-97.7356	38.4386	158.000
1169	-97.4681	38.0394	39.138
1170	-97.5260	37.7881	93.847
1171	-97.5325	37.8726	179.589
1172	-97.9743	38.0320	301.661
1173	-97.9743	38.0320	0.000
1174	-97.9743	38.0320	0.000
1175	-97.5968	38.1099	46.159
1176	-97.5968	38.1099	0.000
1177	-97.6686	38.1431	134.295
1178	-97.6686	38.1431	0.000
1179	-97.6686	38.1431	0.000
1180	-97.5168	37.7725	0.000
1181	-97.5504	38.0177	106.404
1182	-97.5687	38.0251	168.000
1183	-97.3413	37.7950	5.239
1184	-97.5685	37.9814	0.000
1185	-97.5594	37.9302	74.114
1186	-97.6283	37.9100	148.000
1187	-97.6283	37.9100	0.000
1188	-97.6800	38.2533	225.327
1189	-97.7023	38.4122	37.000
1190	-97.7023	38.4122	0.000
1191	-97.6976	38.1577	44.000
1192	-97.6976	38.1577	0.000
1193	-97.8889	38.0764	0.218
1194	-97.4036	37.7999	167.640
1195	-97.6653	38.2538	199.062
1196	-98.0363	38.1554	191.677
1197	-97.5684	37.8981	586.188
1198	-97.5596	37.8831	162.000
1199	-97.5596	37.8831	0.000
1200	-97.7014	38.1740	112.444

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1201	-97.7501	38.0241	69.000
1202	-97.6723	38.3685	91.873
1203	-97.8537	38.0907	28.522
1204	-97.7587	38.4161	56.000
1205	-97.6148	38.0397	86.477
1206	-97.6148	38.0397	0.000
1207	-98.1329	37.9173	0.000
1208	-98.1329	37.9173	0.000
1209	-97.5688	37.9595	151.000
1210	-97.9755	38.0309	110.753
1211	-97.9755	38.0309	0.000
1212	-97.9755	38.0309	0.000
1213	-97.9308	38.0717	62.904
1214	-97.7751	37.9047	0.000
1215	-97.6723	38.3631	324.059
1216	-97.7077	38.2787	99.000
1217	-97.7077	38.2787	0.000
1218	-97.7077	38.2787	0.000
1219	-97.4530	37.7482	85.002
1220	-97.7215	38.1155	91.637
1221	-97.5257	37.7762	82.228
1222	-97.5780	37.8870	45.000
1223	-97.5780	37.8870	0.000
1224	-98.0144	37.7634	64.359
1225	-98.0144	37.7634	0.000
1226	-97.6937	38.3481	422.426
1227	-97.6972	37.9524	139.205
1228	-97.9453	38.0944	4.073
1229	-97.6507	37.9305	36.000
1230	-97.8940	37.9698	73.234
1231	-97.8940	37.9698	0.000
1232	-97.4402	37.8659	88.936
1233	-97.5040	37.7985	119.419
1234	-97.5040	37.7985	0.000
1235	-97.5957	38.1553	101.001
1236	-97.5957	38.1553	0.000
1237	-97.5957	38.1553	0.000
1238	-97.5261	37.7853	63.854
1239	-97.7246	37.9378	129.000
1240	-97.7246	37.9378	0.000
1241	-97.7246	37.9378	0.000
1242	-97.7353	38.3224	118.950
1243	-97.9588	37.9428	0.000
1244	-97.9588	37.9428	0.000
1245	-97.6985	38.2509	129.020
1246	-97.6985	38.2509	0.000
1247	-97.5860	37.8196	314.510
1248	-97.5860	37.8196	0.000
1249	-97.4520	38.3079	46.000
1250	-97.4520	38.3079	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1251	-98.0656	37.7901	0.000
1252	-97.8236	37.9654	63.000
1253	-97.4290	37.9264	26.070
1254	-97.7312	37.9948	0.000
1255	-97.6461	37.8741	178.000
1256	-97.6107	38.1540	10.364
1257	-97.6107	38.1540	0.000
1258	-98.0639	38.1628	182.000
1259	-97.6506	38.1556	154.561
1260	-97.5252	37.8688	77.242
1261	-98.0544	37.8283	86.780
1262	-98.0544	37.8283	0.000
1263	-98.0544	37.8283	0.000
1264	-97.6515	38.0399	199.541
1265	-97.6515	38.0399	0.000
1266	-97.4264	37.8522	22.000
1267	-97.9457	38.1076	61.890
1268	-97.4219	37.8573	62.868
1269	-97.5811	37.7686	58.000
1270	-97.5811	37.7686	0.000
1271	-97.7292	38.1306	157.417
1272	-97.9528	38.0419	552.256
1273	-97.4629	38.0009	175.344
1274	-97.5168	37.7667	0.000
1275	-97.3405	37.7697	95.924
1276	-97.6099	38.0998	0.000
1277	-97.6099	38.0998	0.000
1278	-97.6099	38.0998	0.000
1279	-97.4296	37.8466	69.000
1280	-97.4146	38.3051	26.929
1281	-97.7170	38.4021	116.000
1282	-97.6647	38.1867	249.555
1283	-97.6647	38.1867	0.000
1284	-97.7724	37.7419	0.857
1285	-97.9413	38.1638	52.125
1286	-97.4595	37.9310	209.000
1287	-97.4126	37.7776	68.277
1288	-97.9588	37.9433	0.000
1289	-97.9588	37.9433	0.000
1290	-97.5173	37.9121	390.761
1291	-97.6803	37.9233	182.106
1292	-97.5333	37.9932	50.000
1293	-97.5333	37.9932	0.000
1294	-97.9664	38.0810	77.612
1295	-97.7249	38.1195	119.000
1296	-97.8894	37.9663	142.000
1297	-97.8894	37.9663	0.000
1298	-97.5963	37.9014	154.000
1299	-97.5963	37.9014	0.000
1300	-97.4495	37.8217	87.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1301	-97.4495	37.8217	0.000
1302	-97.6055	37.9451	138.956
1303	-97.6055	37.9451	0.000
1304	-98.0048	37.7663	209.000
1305	-97.5620	38.0489	173.000
1306	-97.4865	38.1848	0.000
1307	-97.9437	38.0942	5.426
1308	-97.5827	37.8870	103.420
1309	-97.4588	37.8286	147.000
1310	-97.4588	37.8286	0.000
1311	-97.5177	37.9274	712.074
1312	-97.4864	37.9014	39.957
1313	-97.6986	38.2186	189.000
1314	-97.6673	38.3446	10.000
1315	-97.5178	37.7910	126.984
1316	-97.7063	37.9455	8.378
1317	-97.7159	38.2857	163.216
1318	-97.3946	37.7998	153.000
1319	-97.4043	38.3208	26.349
1320	-97.4264	37.9843	136.000
1321	-97.4445	38.3473	60.000
1322	-97.4445	38.3473	0.000
1323	-97.9447	37.9808	84.000
1324	-97.9447	37.9808	0.000
1325	-98.0875	38.1728	0.043
1326	-97.5519	37.8278	0.000
1327	-97.9588	37.7591	70.265
1328	-97.9690	38.0938	261.224
1329	-97.7131	38.1074	134.223
1330	-97.7131	38.1074	0.000
1331	-97.4906	38.0265	0.000
1332	-97.4906	38.0265	0.000
1333	-97.6101	38.2192	50.000
1334	-97.8834	38.0086	18.993
1335	-97.8834	38.0086	0.000
1336	-97.4815	37.8911	410.636
1337	-97.5871	38.0068	215.000
1338	-97.5505	37.9231	142.000
1339	-97.6655	38.2356	194.000
1340	-98.0191	38.0969	178.149
1341	-97.9413	38.1619	0.000
1342	-97.5981	37.8255	172.090
1343	-97.5183	37.8615	0.000
1344	-97.7183	38.3523	213.905
1345	-97.4681	37.8354	158.478
1346	-98.0501	38.1716	96.823
1347	-97.4871	37.8872	157.158
1348	-97.5688	38.0397	147.000
1349	-97.5688	38.0397	0.000
1350	-97.5741	38.0147	752.335

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1351	-97.6784	37.9069	12.015
1352	-97.9432	38.0930	2.214
1353	-97.8074	37.9743	0.000
1354	-97.8074	37.9743	0.000
1355	-97.5032	37.8135	0.000
1356	-98.0409	37.7734	224.000
1357	-98.0409	37.7734	0.000
1358	-97.5482	37.9886	111.000
1359	-97.7080	38.3005	190.000
1360	-98.0317	38.1406	21.000
1361	-97.6467	37.9487	0.000
1362	-97.6522	38.1192	105.640
1363	-97.6522	38.1192	0.000
1364	-97.5322	37.9452	158.021
1365	-97.5863	37.9585	0.000
1366	-97.6055	37.9051	719.000
1367	-97.6987	38.3586	0.000
1368	-97.7494	37.9708	194.000
1369	-97.7494	37.9708	0.000
1370	-97.7494	37.9708	0.000
1371	-97.5185	37.8687	71.608
1372	-98.0799	38.1519	0.035
1373	-97.6156	38.1464	89.489
1374	-97.7839	38.4675	4.235
1375	-97.8678	38.0502	0.000
1376	-98.0277	38.1404	64.000
1377	-97.6556	37.9541	44.000
1378	-97.9413	38.1619	0.000
1379	-97.7188	38.4279	216.000
1380	-97.8005	37.9312	161.367
1381	-97.4911	37.8799	152.457
1382	-97.4911	37.8799	0.000
1383	-97.5683	38.1896	75.471
1384	-97.5683	38.1896	3.467
1385	-97.5683	38.1896	0.000
1386	-97.8463	38.0927	2.451
1387	-97.8463	38.0927	0.000
1388	-97.4761	37.7554	34.249
1389	-98.0870	37.9410	66.000
1390	-98.0870	37.9410	0.000
1391	-97.7727	38.4689	173.163
1392	-97.7727	38.4689	0.000
1393	-97.7194	38.4386	158.979
1394	-97.6237	38.0250	154.000
1395	-97.9171	38.0871	5.763
1396	-97.4762	37.7701	0.000
1397	-97.4762	37.7701	0.000
1398	-97.5139	37.8644	48.699
1399	-97.6990	38.3007	160.251
1400	-97.5187	37.8647	40.574

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1401	-97.4634	37.8321	97.821
1402	-97.5779	37.8943	161.000
1403	-97.6620	38.2862	161.201
1404	-97.6620	38.2862	0.000
1405	-97.5272	38.0525	62.000
1406	-97.5272	38.0525	0.000
1407	-97.5272	38.0525	0.000
1408	-97.5272	38.0525	0.000
1409	-97.5234	37.9441	228.000
1410	-97.8564	38.0581	55.111
1411	-97.7133	38.1124	132.417
1412	-97.6552	37.8239	73.801
1413	-97.8265	37.9584	119.000
1414	-98.1414	37.9173	0.000
1415	-97.5257	38.1293	20.637
1416	-97.5257	38.1293	0.000
1417	-97.6989	38.4238	163.167
1418	-97.6989	38.4238	0.000
1419	-98.0134	37.9771	72.000
1420	-97.5851	38.1559	0.000
1421	-97.5851	38.1559	0.000
1422	-98.0639	38.1554	97.000
1423	-98.0639	38.1554	0.000
1424	-97.4423	37.8705	64.391
1425	-97.4423	37.8705	0.000
1426	-97.6965	38.2639	35.000
1427	-97.6760	38.3151	145.540
1428	-97.5785	38.2137	106.994
1429	-97.5785	38.2137	0.000
1430	-97.5588	38.1793	79.453
1431	-97.5588	38.1793	0.000
1432	-97.7141	38.1880	336.333
1433	-97.7141	38.1880	0.000
1434	-98.0363	37.9626	90.925
1435	-97.8737	37.9698	0.000
1436	-97.8737	37.9698	0.000
1437	-97.6968	37.9742	151.000
1438	-97.6968	37.9742	0.000
1439	-97.7308	37.9961	160.267
1440	-97.5322	37.9376	171.000
1441	-97.7309	37.9957	0.000
1442	-97.4725	37.9108	97.000
1443	-97.8411	37.9866	0.000
1444	-97.9439	38.0932	1.560
1445	-97.4772	37.8579	0.000
1446	-98.0455	38.1335	202.268
1447	-97.7062	37.9524	91.000
1448	-97.7062	37.9524	0.000
1449	-97.7247	38.1556	182.000
1450	-97.6121	38.1003	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1451	-98.0403	37.9337	41.583
1452	-97.6931	37.8701	38.447
1453	-97.6699	37.9743	118.833
1454	-97.8673	37.9629	31.143
1455	-97.6832	37.9288	122.000
1456	-97.6832	37.9288	21.000
1457	-97.7575	38.0479	0.000
1458	-97.6145	38.0250	189.000
1459	-97.6145	38.0250	0.000
1460	-97.5182	37.8616	0.000
1461	-97.7408	38.3539	7.374
1462	-97.6792	37.9597	80.000
1463	-97.6873	37.9587	4.640
1464	-98.0379	38.1682	0.000
1465	-97.6310	37.9227	153.695
1466	-98.0066	38.0955	0.000
1467	-97.8895	38.0728	292.272
1468	-97.5951	37.8500	0.000
1469	-97.5830	37.9686	136.000
1470	-97.5830	37.9686	0.000
1471	-97.5830	37.9686	0.000
1472	-97.5505	37.9450	157.609
1473	-97.9462	38.0967	1.177
1474	-97.7429	37.9834	70.000
1475	-97.7323	38.3598	0.000
1476	-97.4973	37.7919	0.000
1477	-97.8251	37.9521	118.000
1478	-97.8251	37.9521	0.000
1479	-97.4262	37.9667	29.471
1480	-98.0490	37.8255	191.729
1481	-97.3920	37.7923	44.086
1482	-97.5596	37.9814	168.000
1483	-97.4680	37.9086	137.000
1484	-97.6247	37.7938	36.535
1485	-97.6247	37.7938	0.000
1486	-97.5225	37.7689	0.000
1487	-98.1332	37.9173	0.000
1488	-98.1332	37.9173	0.000
1489	-97.5782	37.9887	180.501
1490	-97.5782	37.9887	0.000
1491	-97.6514	37.9015	146.806
1492	-97.5860	37.7992	81.000
1493	-97.4641	37.9981	152.290
1494	-97.4560	38.3324	98.000
1495	-97.4560	38.3324	0.000
1496	-97.6153	38.1995	154.193
1497	-97.7079	38.3295	215.000
1498	-97.7079	38.3295	0.000
1499	-97.5339	38.1454	229.982
1500	-97.5339	38.1454	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1501	-97.8230	38.0621	5.569
1502	-97.8985	37.9884	96.000
1503	-97.4594	38.0049	249.249
1504	-97.9400	38.1233	2.971
1505	-97.4952	38.0103	81.945
1506	-98.0363	38.1481	155.597
1507	-98.0363	38.1481	0.000
1508	-98.0203	37.9900	54.445
1509	-97.9455	38.1656	26.044
1510	-97.5640	37.9775	0.000
1511	-97.8789	37.9697	0.000
1512	-97.8789	37.9697	0.000
1513	-97.8789	37.9697	0.000
1514	-97.7326	37.9086	77.000
1515	-97.7326	37.9086	0.000
1516	-97.7313	37.9942	0.000
1517	-97.7061	38.1120	102.753
1518	-97.5727	38.0280	271.066
1519	-97.6240	37.8727	0.000
1520	-97.7354	38.4493	164.000
1521	-97.5376	37.9274	793.059
1522	-97.7445	38.2579	89.000
1523	-97.5377	37.9709	315.730
1524	-97.4685	37.8434	192.972
1525	-97.7407	38.3540	0.000
1526	-97.7546	38.0164	37.000
1527	-97.4486	37.9989	46.438
1528	-97.4496	37.8869	125.000
1529	-97.5706	38.1642	144.615
1530	-97.6146	37.9015	161.729
1531	-97.9214	38.0018	157.583
1532	-97.6240	37.9959	183.673
1533	-98.0217	37.7946	213.779
1534	-98.0217	37.7946	0.000
1535	-97.6606	37.9523	153.291
1536	-97.6055	38.0469	198.428
1537	-97.3831	37.8073	2.845
1538	-97.4261	38.3038	113.205
1539	-97.5727	37.9784	938.070
1540	-97.6689	38.2714	47.000
1541	-97.7228	38.3696	0.000
1542	-97.5616	37.8321	0.000
1543	-97.5544	37.9626	823.373
1544	-97.7429	38.3682	32.000
1545	-97.7175	38.4423	80.000
1546	-97.5331	37.7976	96.486
1547	-97.4219	37.8286	113.000
1548	-97.9904	37.7994	179.531
1549	-97.6538	38.2947	166.000
1550	-97.4628	38.0064	103.741

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1551	-97.5691	38.1159	38.573
1552	-97.4545	38.3476	106.000
1553	-97.4545	38.3476	0.000
1554	-97.6555	37.9288	12.000
1555	-97.6055	37.8288	148.971
1556	-97.6750	38.2155	237.000
1557	-97.6750	38.2155	0.000
1558	-97.7199	38.1248	50.295
1559	-97.7199	38.1248	0.000
1560	-97.4671	37.7480	36.000
1561	-97.4671	37.7480	0.000
1562	-97.5711	38.0965	185.000
1563	-98.0257	37.8255	76.001
1564	-97.5688	37.8795	199.000
1565	-97.5688	37.8795	0.000
1566	-97.5536	37.8914	1.612
1567	-97.6836	38.1521	221.907
1568	-97.6836	38.1521	0.000
1569	-97.7386	38.1976	43.950
1570	-97.7386	38.1976	0.000
1571	-97.7035	38.3113	145.777
1572	-98.1102	38.1702	126.998
1573	-98.1102	38.1702	0.000
1574	-97.5001	37.8468	0.000
1575	-97.5642	37.9049	836.929
1576	-97.4260	38.0064	0.000
1577	-97.6235	37.8576	0.152
1578	-97.6788	37.8650	141.000
1579	-97.7560	37.9090	92.674
1580	-97.8877	38.0751	72.435
1581	-98.0469	37.9583	23.090
1582	-97.9544	38.1087	152.619
1583	-97.5250	38.1468	111.057
1584	-98.0395	37.9337	41.614
1585	-97.6773	38.3837	202.700
1586	-97.8689	37.9583	59.328
1587	-97.6643	37.8701	0.000
1588	-97.6696	37.9959	189.000
1589	-97.8789	38.0726	89.383
1590	-97.4559	37.8718	4.714
1591	-97.8026	37.9946	136.000
1592	-97.8026	37.9946	0.000
1593	-97.5577	37.8071	143.421
1594	-97.5577	37.8071	0.000
1595	-97.6877	37.9230	164.000
1596	-97.6877	37.9230	0.000
1597	-97.6877	37.9230	0.000
1598	-97.4588	37.8431	58.260
1599	-97.7068	38.4449	3.000
1600	-97.7068	38.4449	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1601	-97.7889	37.9888	194.000
1602	-97.7889	37.9888	0.000
1603	-97.6986	38.3150	117.772
1604	-97.6168	38.1597	49.983
1605	-97.8497	38.0047	0.000
1606	-97.6342	37.9088	76.000
1607	-97.6051	38.2203	117.153
1608	-97.6051	38.2203	0.000
1609	-97.9427	38.1004	547.213
1610	-97.6423	37.9524	212.674
1611	-98.0837	38.1443	0.000
1612	-98.0837	38.1443	0.000
1613	-98.0837	38.1443	0.000
1614	-97.4540	37.8669	62.757
1615	-97.4540	37.8669	0.000
1616	-97.5008	37.9126	402.583
1617	-97.5606	37.7930	59.000
1618	-97.5469	37.7974	180.000
1619	-97.6242	37.8293	157.452
1620	-97.6655	38.2429	179.714
1621	-97.6655	38.2429	0.000
1622	-97.6655	38.2429	0.000
1623	-97.4347	37.8805	163.000
1624	-97.7117	38.2536	99.432
1625	-97.4817	37.7947	101.000
1626	-97.5690	37.9377	169.000
1627	-97.5690	37.9377	0.000
1628	-97.6906	37.9976	0.000
1629	-97.4587	38.0073	22.470
1630	-97.6695	37.8503	202.703
1631	-97.5324	38.1698	130.000
1632	-97.5324	38.1698	0.000
1633	-97.6694	38.1932	102.538
1634	-97.9572	38.1170	829.766
1635	-97.9243	37.9553	83.000
1636	-97.7028	38.1457	0.000
1637	-97.7028	38.1457	0.000
1638	-97.6972	37.8706	75.126
1639	-97.6295	37.8394	86.000
1640	-97.6645	37.9379	0.000
1641	-97.6651	38.0576	92.377
1642	-97.6651	38.0576	0.000
1643	-97.6723	38.3685	0.000
1644	-97.5139	37.9051	194.000
1645	-97.5139	37.9051	0.000
1646	-97.8250	37.9813	0.000
1647	-97.6330	37.8427	104.404
1648	-98.0546	38.0053	40.611
1649	-97.7038	38.3337	370.475
1650	-97.7246	37.9671	188.700

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1651	-97.6842	38.2332	94.000
1652	-97.7028	38.1457	0.000
1653	-97.7028	38.1457	0.000
1654	-97.6788	37.8577	157.076
1655	-97.6122	37.8215	153.567
1656	-98.0776	37.8390	16.000
1657	-98.0776	37.8390	0.000
1658	-97.8464	38.0936	9.706
1659	-97.5326	37.8291	0.000
1660	-97.5326	37.8291	0.000
1661	-97.4772	38.0258	0.000
1662	-97.6672	38.3413	690.000
1663	-97.5505	38.0324	162.000
1664	-97.5505	38.0324	0.000
1665	-97.8378	37.8330	0.000
1666	-98.0214	38.0018	48.786
1667	-97.6516	38.0032	151.000
1668	-97.7107	38.1492	164.900
1669	-97.7107	38.1492	0.000
1670	-97.7107	38.1492	0.000
1671	-97.8502	38.0047	0.000
1672	-97.7078	38.3513	0.000
1673	-97.7265	38.3295	161.000
1674	-97.5265	38.1292	0.000
1675	-97.5265	38.1292	0.000
1676	-97.7752	37.9083	67.024
1677	-97.7752	37.9083	0.000
1678	-97.7752	37.9083	0.000
1679	-97.7752	37.9083	0.000
1680	-97.4681	37.8941	130.000
1681	-97.6930	38.4066	235.000
1682	-97.8708	38.0936	4.122
1683	-97.5233	37.8960	85.000
1684	-97.5233	37.8960	0.000
1685	-97.6608	37.9452	183.000
1686	-97.6928	37.9307	59.000
1687	-97.6928	37.9307	0.000
1688	-97.6928	37.9307	0.000
1689	-97.6661	37.9342	0.000
1690	-97.6661	37.9342	0.000
1691	-97.5095	37.9614	57.311
1692	-98.1004	37.9375	236.000
1693	-97.8073	37.9743	0.000
1694	-97.8073	37.9743	0.000
1695	-97.5323	37.8654	195.000
1696	-97.5323	37.8654	0.000
1697	-97.6533	38.2827	205.256
1698	-97.6533	38.2827	0.000
1699	-97.6533	38.2827	0.000
1700	-97.6329	37.9960	179.447

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1701	-98.0502	37.7880	229.209
1702	-97.6603	38.1697	163.833
1703	-97.6833	37.9122	13.810
1704	-97.6894	38.2174	117.000
1705	-97.6894	38.2174	0.000
1706	-97.6894	38.2174	0.000
1707	-97.5916	38.1341	156.986
1708	-97.7424	37.8908	147.225
1709	-97.5106	37.7552	0.000
1710	-97.5106	37.7552	0.000
1711	-97.6839	38.1089	176.461
1712	-97.6900	38.2859	173.000
1713	-97.5257	37.7727	65.923
1714	-97.4793	37.9596	171.000
1715	-97.4793	37.9596	0.000
1716	-97.4999	37.9415	118.609
1717	-97.6185	37.9119	1.841
1718	-97.4043	37.7847	0.000
1719	-97.4043	37.7847	0.000
1720	-97.5366	38.1471	296.875
1721	-97.5366	38.1471	0.000
1722	-97.6933	38.4638	79.000
1723	-97.6933	38.4638	0.000
1724	-97.4038	37.8286	0.000
1725	-97.5191	37.9408	17.198
1726	-97.5191	37.9408	0.000
1727	-97.8667	38.0588	0.000
1728	-97.5372	37.7831	0.000
1729	-97.7346	38.2742	80.920
1730	-97.7346	38.2742	2.983
1731	-97.9444	38.0949	1.441
1732	-98.0257	37.8255	0.000
1733	-97.7242	37.8943	109.100
1734	-97.7242	37.8943	0.000
1735	-97.7064	38.1338	230.833
1736	-97.7064	38.1338	0.000
1737	-97.5101	37.9992	0.000
1738	-97.6098	38.0974	0.000
1739	-97.8538	38.0902	25.846
1740	-97.8453	38.0952	14.809
1741	-97.8453	38.0952	0.000
1742	-98.0547	38.1628	175.000
1743	-98.0547	38.1628	0.000
1744	-97.8789	38.0761	52.066
1745	-97.6281	37.9187	92.803
1746	-97.5790	38.2034	152.000
1747	-97.5790	38.2034	0.000
1748	-97.7406	38.4384	179.585
1749	-97.6700	38.1613	123.000
1750	-97.6700	38.1613	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1751	-97.4906	38.0276	0.000
1752	-97.4906	38.0276	0.000
1753	-97.6780	38.3336	0.000
1754	-97.6526	38.2900	119.000
1755	-97.5517	37.7979	26.000
1756	-97.6375	37.9439	39.000
1757	-97.5226	37.7689	0.000
1758	-97.5769	37.7824	69.000
1759	-97.8951	38.0444	0.000
1760	-98.0453	37.9810	41.473
1761	-98.0453	37.9810	0.000
1762	-97.6072	38.1662	0.000
1763	-98.0739	37.8228	30.427
1764	-97.8321	37.9829	176.000
1765	-97.8321	37.9829	0.000
1766	-97.7446	38.4239	148.000
1767	-97.5548	38.0779	6.120
1768	-97.5548	38.0779	0.000
1769	-97.5171	37.7625	494.416
1770	-97.5276	37.8688	32.746
1771	-98.0001	38.0824	132.346
1772	-97.8412	37.9866	0.000
1773	-97.4722	37.8827	565.673
1774	-97.4579	38.0126	124.336
1775	-98.0317	37.9227	201.000
1776	-98.0317	37.9227	0.000
1777	-97.5875	38.1450	40.985
1778	-97.7270	38.3583	115.250
1779	-97.7028	38.3474	539.517
1780	-97.6328	37.9525	62.874
1781	-97.5688	37.8868	125.000
1782	-97.5688	37.8868	0.000
1783	-97.6718	38.3721	81.847
1784	-97.7304	37.9946	0.000
1785	-97.5918	37.9289	53.000
1786	-97.5322	38.0103	151.000
1787	-97.5244	38.1432	222.384
1788	-97.5276	37.8654	76.180
1789	-98.1097	37.9375	167.000
1790	-97.5226	37.7689	0.000
1791	-97.7464	38.2753	134.000
1792	-97.3852	37.7996	113.000
1793	-97.7380	37.9394	174.144
1794	-97.6942	38.4457	114.116
1795	-97.6942	38.4457	0.000
1796	-97.9898	37.7994	0.000
1797	-97.9907	38.0515	0.000
1798	-97.9907	38.0515	0.000
1799	-97.4612	37.7673	0.000
1800	-97.4612	37.7673	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1801	-97.9461	38.0724	0.000
1802	-97.7079	38.3586	127.000
1803	-97.7245	38.0140	167.000
1804	-97.8762	38.0478	0.066
1805	-97.5374	37.9783	699.464
1806	-97.6282	37.9155	0.000
1807	-97.4630	38.0114	15.897
1808	-97.5874	38.1779	217.000
1809	-97.3780	37.7982	0.000
1810	-97.7848	37.8991	5.028
1811	-97.7848	37.8991	0.000
1812	-97.7848	37.8991	0.000
1813	-97.5881	37.9667	250.000
1814	-97.6880	37.9089	201.000
1815	-97.6880	37.9089	0.000
1816	-97.6361	37.9546	0.000
1817	-97.4542	37.7922	117.000
1818	-97.4542	37.7930	0.000
1819	-97.4542	37.7925	0.000
1820	-97.4542	37.7919	0.000
1821	-97.4542	37.7913	0.000
1822	-97.7108	37.9741	69.000
1823	-97.7108	37.9741	0.000
1824	-97.9912	38.1330	94.000
1825	-97.9912	38.1330	0.000
1826	-97.6540	37.8976	189.000
1827	-97.6926	37.8907	88.000
1828	-97.6926	37.8907	0.000
1829	-97.9538	37.9881	187.000
1830	-97.9538	37.9881	0.000
1831	-97.9507	37.9552	110.000
1832	-98.0546	37.7929	154.000
1833	-98.0546	37.7929	0.000
1834	-98.0546	37.7929	0.000
1835	-98.0546	37.7929	0.000
1836	-97.9147	37.9554	129.838
1837	-97.9152	37.9553	0.000
1838	-97.9142	37.9555	0.000
1839	-97.5421	37.8950	81.000
1840	-97.5421	37.8950	0.000
1841	-97.9882	37.8095	0.000
1842	-98.0095	37.7663	110.000
1843	-97.9247	37.9546	0.000
1844	-97.4892	38.2247	0.000
1845	-97.4897	38.2246	0.000
1846	-97.4887	38.2247	53.556
1847	-97.6330	38.0325	0.000
1848	-97.5274	37.8126	0.000
1849	-97.5274	37.8126	0.000
1850	-97.5782	37.9234	182.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1851	-97.4228	38.3259	185.995
1852	-97.4228	38.3259	0.000
1853	-97.4228	38.3259	0.000
1854	-97.5491	37.8226	117.000
1855	-97.5491	37.8226	0.000
1856	-97.4853	37.7898	87.000
1857	-97.4853	37.7898	0.000
1858	-97.8155	38.1594	12.675
1859	-97.8140	38.1627	1.505
1860	-97.6419	37.8578	166.000
1861	-97.6419	37.8578	0.000
1862	-97.6515	37.9924	71.870
1863	-97.6515	37.9924	0.000
1864	-97.6194	38.1380	103.099
1865	-97.4515	38.2865	139.569
1866	-97.4515	38.2865	0.000
1867	-97.4510	38.2865	0.000
1868	-97.4510	38.2865	0.000
1869	-97.4520	38.2865	0.000
1870	-97.4520	38.2865	0.000
1871	-97.6702	37.9022	97.000
1872	-97.6702	37.9022	0.000
1873	-97.6789	37.9024	48.000
1874	-97.5784	38.1414	0.000
1875	-97.7331	37.8944	132.000
1876	-97.7331	37.8944	0.000
1877	-97.7331	37.8944	0.000
1878	-97.9595	38.0998	387.754
1879	-97.5688	37.7720	0.000
1880	-97.5688	37.7720	0.000
1881	-97.5688	37.7720	0.000
1882	-97.5598	37.9363	50.406
1883	-97.4452	37.9740	100.000
1884	-97.7480	37.9850	47.000
1885	-97.7480	37.9850	47.000
1886	-97.7480	37.9850	0.000
1887	-98.0446	38.1421	0.000
1888	-97.3401	37.7956	168.046
1889	-97.9497	37.9552	0.000
1890	-97.9504	37.9552	0.000
1891	-97.9511	37.9552	0.000
1892	-97.9517	37.9552	0.000
1893	-97.6788	37.9030	0.000
1894	-97.6788	37.9036	30.000
1895	-97.6241	38.1778	149.000
1896	-97.8568	38.0849	0.000
1897	-97.6321	38.0251	67.000
1898	-97.6321	38.0251	0.000
1899	-97.5698	37.7720	62.081
1900	-97.5698	37.7720	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1901	-97.5698	37.7720	0.000
1902	-97.5680	37.8203	78.000
1903	-97.5680	37.8203	0.000
1904	-97.6459	37.9422	284.219
1905	-97.9495	37.7446	201.000
1906	-97.7876	37.9777	151.000
1907	-97.7876	37.9777	0.000
1908	-97.8938	37.9507	46.151
1909	-97.8938	37.9507	4.013
1910	-98.0633	37.7951	200.132
1911	-98.0633	37.7951	0.000
1912	-97.6150	38.1922	171.000
1913	-98.1283	37.9514	109.015
1914	-98.1282	37.9449	166.671
1915	-98.1283	37.9508	0.000
1916	-98.1283	37.9520	0.000
1917	-97.5791	38.1409	72.748
1918	-97.5784	38.1404	0.000
1919	-97.7291	37.9788	174.193
1920	-98.0351	37.7929	192.559
1921	-97.6238	38.1707	143.631
1922	-97.6238	38.1707	0.000
1923	-97.6412	38.2633	123.000
1924	-97.5545	37.9695	40.313
1925	-97.5545	37.9695	0.000
1926	-97.5727	37.9120	41.651
1927	-97.5727	37.9120	0.000
1928	-97.5450	37.9273	941.120
1929	-97.5450	37.9273	0.000
1930	-98.1233	37.9258	140.748
1931	-98.1233	37.9258	0.000
1932	-98.1233	37.9265	0.000
1933	-98.1233	37.9265	0.000
1934	-98.1233	37.9251	0.000
1935	-98.1233	37.9251	0.000
1936	-97.6605	37.9816	31.000
1937	-97.6650	37.9878	116.000
1938	-97.7798	37.9163	160.233
1939	-97.7798	37.9163	0.000
1940	-97.7680	38.4352	80.000
1941	-97.7680	38.4352	0.000
1942	-97.9600	37.7732	192.000
1943	-97.4761	37.7405	6.495
1944	-97.4761	37.7405	0.000
1945	-97.6322	38.2957	67.878
1946	-97.6322	38.2957	0.000
1947	-97.6322	38.2954	0.000
1948	-97.6322	38.2954	0.000
1949	-97.4817	37.9304	199.000
1950	-97.4817	37.9304	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
1951	-98.0640	37.9590	149.556
1952	-98.0640	37.9590	0.000
1953	-97.7704	37.9597	176.000
1954	-97.7704	37.9597	0.000
1955	-97.6789	37.9306	87.000
1956	-97.7374	38.2148	152.000
1957	-97.7374	38.2148	0.000
1958	-97.6872	37.9379	141.000
1959	-97.7318	38.1885	38.821
1960	-97.7318	38.1885	0.000
1961	-98.0575	37.8355	245.000
1962	-98.0575	37.8355	0.000
1963	-98.0518	37.8377	39.000
1964	-98.0518	37.8377	0.000
1965	-97.9446	37.9746	196.000
1966	-97.9446	37.9746	0.000
1967	-97.9446	37.9746	0.000
1968	-97.9933	38.0872	0.000
1969	-97.7312	37.8800	165.000
1970	-97.7312	37.8800	0.000
1971	-97.4128	37.8866	231.000
1972	-97.6821	38.1919	175.000
1973	-97.4402	37.7871	0.000
1974	-97.5413	37.9376	143.000
1975	-98.0281	38.1075	0.003
1976	-98.0227	38.1008	0.001
1977	-97.7248	38.1230	143.000
1978	-97.4849	37.8705	14.000
1979	-97.5410	37.8213	183.000
1980	-97.5410	37.8213	0.000
1981	-97.7155	37.9743	149.000
1982	-97.7338	37.9598	65.000
1983	-97.7338	37.9598	65.000
1984	-97.9586	37.9997	0.000
1985	-97.9586	37.9997	0.000
1986	-97.9586	37.9997	0.000
1987	-97.3670	37.7696	0.000
1988	-97.7361	37.9871	0.000
1989	-97.7361	37.9871	0.000
1990	-98.0087	37.8143	205.000
1991	-98.0041	37.8068	201.000
1992	-97.7339	37.9670	143.682
1993	-97.7339	37.9670	0.000
1994	-97.7889	37.9376	55.357
1995	-97.7889	37.9376	55.357
1996	-97.7889	37.9376	0.000
1997	-97.7889	37.9376	0.000
1998	-98.0109	37.7710	190.848
1999	-97.9721	37.7669	0.000
2000	-97.5677	37.7720	61.372

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2001	-97.5677	37.7720	0.000
2002	-97.5677	37.7720	0.000
2003	-97.9866	37.7956	97.000
2004	-97.4268	37.8151	45.000
2005	-97.7822	37.9939	285.000
2006	-97.7822	37.9939	0.000
2007	-97.9618	37.9747	0.000
2008	-97.9618	37.9747	0.000
2009	-98.0114	37.9812	87.512
2010	-97.8711	38.0393	0.000
2011	-97.8711	38.0393	0.000
2012	-97.8711	38.0393	0.000
2013	-98.1232	37.8989	179.067
2014	-98.1109	37.8978	139.693
2015	-98.1109	37.8978	0.000
2016	-97.8159	37.9885	177.000
2017	-98.1144	37.9492	128.814
2018	-98.1144	37.9492	0.000
2019	-97.8251	37.9449	118.000
2020	-97.8251	37.9449	0.000
2021	-97.8251	37.9454	0.000
2022	-97.8251	37.9454	0.000
2023	-97.8251	37.9444	0.000
2024	-97.8251	37.9444	0.000
2025	-97.5039	37.7816	0.000
2026	-97.5596	37.8758	210.000
2027	-97.5596	37.8758	0.000
2028	-97.7613	37.9516	177.000
2029	-97.7089	37.9704	159.000
2030	-97.7089	37.9704	0.000
2031	-97.7089	37.9704	0.000
2032	-97.4003	37.7757	0.000
2033	-97.4454	37.9814	78.000
2034	-97.9812	37.8940	0.000
2035	-97.9810	37.8933	0.000
2036	-98.1144	37.9498	0.000
2037	-98.1144	37.9498	0.000
2038	-98.1144	37.9485	0.000
2039	-98.1144	37.9485	0.000
2040	-97.5316	38.0614	168.000
2041	-97.4453	38.0123	0.000
2042	-97.9785	37.7811	167.896
2043	-97.9795	37.7811	0.000
2044	-98.0478	37.8198	97.000
2045	-97.9587	37.7518	165.000
2046	-98.1004	37.9304	356.000
2047	-98.1004	37.9304	0.000
2048	-97.6330	37.9669	108.000
2049	-97.4793	37.7849	0.000
2050	-97.6354	37.9605	87.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2051	-97.9624	37.9760	0.000
2052	-97.9624	37.9760	0.000
2053	-97.9621	37.9754	176.159
2054	-97.9621	37.9754	0.000
2055	-97.8709	38.0927	4.497
2056	-97.8696	38.0933	18.173
2057	-97.8343	38.0884	0.000
2058	-97.8343	38.0882	0.000
2059	-97.8353	38.0882	0.000
2060	-97.8343	38.0890	0.000
2061	-97.8333	38.0882	0.000
2062	-97.8330	38.0967	0.000
2063	-97.6700	38.3446	0.000
2064	-97.5495	37.8012	90.000
2065	-97.6236	37.8797	0.000
2066	-98.1040	37.9193	64.000
2067	-98.1049	37.9193	0.000
2068	-98.1031	37.9198	0.000
2069	-97.6954	38.2741	0.000
2070	-97.6954	38.2740	1.811
2071	-97.6954	38.2741	1.869
2072	-97.9077	37.9811	64.000
2073	-97.9077	37.9811	0.000
2074	-97.4489	38.3593	37.834
2075	-97.7475	37.9888	105.000
2076	-97.4810	37.7390	131.830
2077	-98.0874	38.0582	3.888
2078	-97.7170	37.9888	0.000
2079	-97.7170	37.9888	0.000
2080	-97.7152	37.9888	0.000
2081	-97.7152	37.9888	0.000
2082	-97.7795	38.0247	190.000
2083	-97.9593	37.7738	0.000
2084	-97.9607	37.7726	0.000
2085	-97.9906	37.7829	98.000
2086	-97.7153	38.0256	186.000
2087	-98.0247	38.1048	0.000
2088	-97.9313	38.0656	1.095
2089	-97.9308	38.0655	0.000
2090	-97.9310	38.0656	1.797
2091	-97.7522	37.9520	89.000
2092	-97.9809	37.8947	0.000
2093	-97.9801	37.8938	0.000
2094	-97.9808	37.8939	172.000
2095	-97.8326	38.0967	0.000
2096	-97.8330	38.0965	0.000
2097	-97.8333	38.0967	0.000
2098	-97.8330	38.0970	0.000
2099	-97.9054	38.0519	0.000
2100	-97.8321	37.9830	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2101	-97.8321	37.9830	0.000
2102	-97.8321	37.9827	0.000
2103	-97.8321	37.9827	0.000
2104	-97.5094	38.0279	92.000
2105	-97.5094	38.0279	0.000
2106	-97.5103	38.0282	0.000
2107	-97.5103	38.0282	0.000
2108	-97.5089	38.0271	0.000
2109	-97.5089	38.0271	0.000
2110	-97.6960	38.0393	129.231
2111	-97.6960	38.0393	7.764
2112	-97.8921	38.0779	5.782
2113	-97.8159	37.9812	0.000
2114	-97.3374	37.8029	259.809
2115	-97.3374	37.8029	0.000
2116	-98.1037	37.9193	0.000
2117	-98.1043	37.9193	0.000
2118	-97.8070	37.9812	185.000
2119	-97.8070	37.9812	0.000
2120	-97.6261	37.8562	56.000
2121	-97.9876	37.7926	97.000
2122	-97.6313	38.0105	0.000
2123	-97.6331	38.0105	0.000
2124	-97.7452	38.3697	166.021
2125	-97.5003	37.9848	119.000
2126	-97.5003	37.9848	0.000
2127	-97.3809	37.8349	308.963
2128	-97.3809	37.8349	0.000
2129	-97.6884	38.1630	163.000
2130	-97.6884	38.1630	0.000
2131	-97.9702	37.7672	0.000
2132	-97.9712	37.7670	20.000
2133	-97.4199	37.7768	0.000
2134	-97.7430	37.9452	195.000
2135	-97.5640	37.9776	25.294
2136	-97.5282	37.9421	9.209
2137	-97.5282	37.9421	0.000
2138	-97.5103	37.8976	785.647
2139	999.9990	-999.9990	0.000
2140	-98.0077	37.8143	0.000
2141	-98.0030	37.8068	0.000
2142	-98.0052	37.8067	0.000
2143	-97.7103	38.2689	188.000
2144	-97.6833	37.8888	229.000
2145	-97.5639	37.8851	150.000
2146	-97.5639	37.8851	0.000
2147	-97.7567	37.9887	58.000
2148	-97.7567	37.9887	0.000
2149	-97.7386	37.9341	0.000
2150	-98.1141	37.8913	66.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2151	-98.1138	37.8951	81.000
2152	-98.0406	37.9242	205.000
2153	-97.5407	37.7936	68.000
2154	-97.5407	37.7936	0.000
2155	-97.4814	37.9935	170.940
2156	-97.4814	37.9927	0.000
2157	-98.0181	38.1053	0.000
2158	-98.0897	38.1414	21.718
2159	-98.0897	38.1414	0.000
2160	-98.0881	38.1426	23.714
2161	-98.0881	38.1426	0.000
2162	-97.7159	37.9879	0.000
2163	-97.7159	37.9879	0.000
2164	-98.0158	38.1365	0.000
2165	-97.5420	38.0316	69.533
2166	-97.5766	37.8053	76.000
2167	-97.5766	37.8053	0.000
2168	-97.5766	37.8053	0.000
2169	-97.5766	37.8053	0.000
2170	-98.0703	37.8235	89.620
2171	-97.4241	37.7851	0.000
2172	-98.0004	38.1015	0.000
2173	-97.9903	38.0900	0.000
2174	-97.4767	37.7229	5.640
2175	-97.4767	37.7229	0.000
2176	-97.4776	37.7257	6.140
2177	-97.4776	37.7257	0.000
2178	-97.4726	37.7240	4.035
2179	-97.4726	37.7240	0.000
2180	-97.4741	37.7278	1.075
2181	-97.4741	37.7278	0.000
2182	-97.4746	37.7314	4.916
2183	-97.4746	37.7314	0.000
2184	-97.9831	38.0662	0.000
2185	-97.9831	38.0662	0.000
2186	-97.9644	37.8847	0.000
2187	-97.9649	37.8856	0.000
2188	-97.9641	37.8854	118.342
2189	-97.9906	38.0797	0.000
2190	-97.9899	38.0780	0.000
2191	-97.9872	38.0796	0.000
2192	-98.0969	37.9124	66.000
2193	-98.0979	37.9121	0.000
2194	-98.0962	37.9121	0.000
2195	-98.0965	37.9129	0.000
2196	-97.9818	37.9252	0.000
2197	-97.9813	37.9238	0.000
2198	-97.9826	37.9243	0.000
2199	-97.9819	37.9245	0.000
2200	-98.0166	38.1026	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2201	-97.9557	37.9953	0.000
2202	-97.9557	37.9953	0.000
2203	-97.9538	37.9953	0.000
2204	-97.9538	37.9953	0.000
2205	-97.9547	37.9953	148.000
2206	-97.9547	37.9953	0.000
2207	-97.7110	37.9915	174.000
2208	-97.7110	37.9923	0.000
2209	-97.7110	37.9907	0.000
2210	-97.9642	37.9477	0.000
2211	-97.9651	37.9477	28.000
2212	-97.9632	37.9477	15.000
2213	-97.8159	37.9814	0.000
2214	-97.9818	37.9245	0.000
2215	-98.0152	37.8025	135.948
2216	-98.0152	37.8025	0.000
2217	-97.8567	38.0814	0.286
2218	-97.8568	38.0795	0.000
2219	-97.6049	38.1376	138.000
2220	-97.4735	37.8011	0.000
2221	-98.0889	38.1420	0.000
2222	-98.0889	38.1420	0.000
2223	-97.9906	37.7837	0.000
2224	-97.9906	37.7821	165.000
2225	-97.7059	37.9004	46.000
2226	-97.9078	37.9884	204.445
2227	-97.9078	37.9884	0.000
2228	-97.9587	37.9532	41.000
2229	-97.9587	37.9532	0.000
2230	-97.9588	37.9540	0.000
2231	-97.9588	37.9540	0.000
2232	-97.9587	37.9535	0.000
2233	-97.9587	37.9535	0.000
2234	-97.9587	37.9530	0.000
2235	-97.9587	37.9530	0.000
2236	-97.9587	37.9525	0.000
2237	-97.9587	37.9525	0.000
2238	-97.9077	37.9920	98.389
2239	-97.9077	37.9936	0.000
2240	-97.5596	37.9161	144.000
2241	-97.4726	37.8538	69.000
2242	-97.4726	37.8538	0.000
2243	-97.4726	37.8538	0.000
2244	-97.9642	37.9477	6.000
2245	-97.4979	37.9718	89.000
2246	-97.9025	38.0731	0.000
2247	-97.4965	38.2158	7.000
2248	-97.4971	38.2153	17.691
2249	-98.0407	37.9373	23.661
2250	-98.0429	37.9288	94.674

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2251	-97.4804	37.7448	152.204
2252	-97.6820	37.9375	21.000
2253	-97.4676	37.8723	64.280
2254	-97.4676	37.8723	0.000
2255	-97.8675	37.9376	1.930
2256	-97.7245	38.1736	206.000
2257	-97.7245	38.1736	0.000
2258	-97.7657	37.9550	87.000
2259	-97.7657	37.9550	0.000
2260	-98.0550	38.1477	157.000
2261	-98.0550	38.1477	0.000
2262	-97.9501	38.0411	1429.707
2263	-98.0632	38.1700	237.000
2264	-98.0632	38.1700	0.000
2265	-97.9890	37.8090	0.000
2266	-97.9897	37.8084	0.000
2267	-97.9882	37.8084	0.000
2268	-97.6007	38.0105	77.000
2269	-97.6007	38.0105	0.000
2270	-97.6272	37.8592	58.600
2271	-97.4391	37.7636	48.333
2272	-97.5154	37.8275	0.000
2273	-97.7525	37.9451	139.000
2274	-97.6011	38.1742	0.000
2275	-97.5967	38.2321	52.288
2276	-98.0428	38.1520	185.000
2277	-97.4688	37.9302	154.000
2278	-97.6803	38.3948	121.333
2279	-97.6803	38.3948	0.000
2280	-98.0928	37.9644	0.627
2281	-98.0933	37.9652	0.000
2282	-97.6127	38.0892	15.000
2283	-97.5776	38.0522	27.862
2284	-97.8891	38.0243	0.000
2285	-97.8891	38.0243	0.000
2286	-97.9797	37.7596	178.000
2287	-97.4473	37.7318	1.430
2288	-97.6559	37.8287	141.000
2289	-97.6559	37.8287	0.000
2290	-97.9255	37.7509	69.071
2291	-97.9255	37.7509	0.000
2292	-97.5225	38.0614	122.000
2293	-97.7486	38.0350	0.000
2294	-97.4385	38.3081	145.348
2295	-97.4385	38.3081	0.000
2296	-97.9832	37.8081	2.536
2297	-97.6045	38.1165	102.777
2298	-97.6229	38.1331	158.000
2299	-97.6229	38.1331	0.000
2300	-97.6374	38.0049	135.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2301	-97.6512	37.8502	66.000
2302	-98.0405	37.9492	92.000
2303	-98.0405	37.9492	0.000
2304	-98.0405	37.9497	0.000
2305	-98.0405	37.9497	0.000
2306	-98.0405	37.9486	0.000
2307	-98.0405	37.9486	0.000
2308	-97.5458	38.0794	166.944
2309	-97.5458	38.0794	0.000
2310	-97.5458	38.0794	0.000
2311	-97.6608	38.1804	241.000
2312	-97.9541	37.9481	32.000
2313	-97.9558	37.9481	37.000
2314	-97.6516	38.0176	0.000
2315	-98.0452	38.1717	98.112
2316	-97.6561	38.0201	69.000
2317	-97.6561	38.0201	0.000
2318	-97.9773	37.7526	168.000
2319	-97.8143	38.1635	4.259
2320	-97.5734	37.8832	153.000
2321	-97.5734	37.8832	2.000
2322	-97.5734	37.8832	0.000
2323	-97.5734	37.8832	0.000
2324	-97.6605	37.9015	86.000
2325	-97.6605	37.9015	0.000
2326	-97.6605	37.9015	0.000
2327	-97.9260	37.7514	0.000
2328	-97.9260	37.7514	0.000
2329	-97.9260	37.7505	0.000
2330	-97.9260	37.7505	0.000
2331	-97.9249	37.7513	0.000
2332	-97.9249	37.7513	0.000
2333	-97.9250	37.7505	0.000
2334	-97.9250	37.7505	0.000
2335	-97.9175	38.0425	832.000
2336	-97.4396	37.7551	0.000
2337	-97.7121	38.1288	190.885
2338	-97.7121	38.1288	0.000
2339	-97.7121	38.1288	0.000
2340	-97.4633	37.9375	154.000
2341	-98.0351	38.0029	134.239
2342	-98.0351	38.0029	0.000
2343	-98.0351	38.0029	0.000
2344	-97.4219	37.8648	97.000
2345	-97.6522	37.8707	85.000
2346	-97.6522	37.8707	0.000
2347	-97.6026	38.0732	6.000
2348	-97.7160	37.9885	167.264
2349	-97.7160	37.9885	0.000
2350	-97.5351	38.0688	184.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2351	-97.5351	38.0688	0.000
2352	-97.5965	38.0505	205.583
2353	-97.5965	38.0505	0.000
2354	-97.6991	38.4456	109.124
2355	-97.6256	37.7964	0.000
2356	-97.8392	38.0273	131.000
2357	-97.5689	38.0905	170.000
2358	-97.8250	37.9885	155.000
2359	-97.6558	37.9725	43.000
2360	-97.6558	37.9725	0.000
2361	-97.7084	37.9168	40.000
2362	-97.9010	38.0551	0.000
2363	-97.5851	38.1552	131.000
2364	-97.5851	38.1552	0.000
2365	-97.5851	38.1545	0.000
2366	-97.5851	38.1545	0.000
2367	-97.6155	37.9743	211.000
2368	-97.5594	38.1189	110.000
2369	-97.5594	38.1189	0.000
2370	-97.6330	37.9015	156.000
2371	-97.6330	37.9015	0.000
2372	-97.5177	37.8383	58.895
2373	-97.5177	37.8347	123.446
2374	-97.5177	37.8413	0.000
2375	-97.5150	37.8367	0.000
2376	-97.5135	37.8403	0.344
2377	-97.5151	37.8337	0.000
2378	-97.7370	37.9871	0.000
2379	-97.7370	37.9871	0.000
2380	-98.3267	37.8717	2.199
2381	-97.8455	38.0067	0.000
2382	-97.8435	38.0067	0.000
2383	-97.8385	38.0067	0.000
2384	-97.8364	38.0067	0.000
2385	-98.1196	37.8875	79.177
2386	-98.1196	37.8875	0.000
2387	-97.5787	38.1335	0.000
2388	-97.5787	38.1335	0.000
2389	-97.7659	38.0645	102.302
2390	-97.5549	38.0044	186.554
2391	-97.5549	38.0044	0.000
2392	-98.0640	37.7911	0.000
2393	-98.0648	37.7906	142.745
2394	-97.5596	38.1197	0.000
2395	-97.5596	38.1197	0.000
2396	-97.5592	38.1181	0.000
2397	-97.5592	38.1181	0.000
2398	-97.2963	37.6190	1.719
2399	-97.2963	37.6190	0.000
2400	-97.6330	38.0414	84.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2401	-97.5125	37.8238	0.000
2402	-97.5414	37.9450	93.000
2403	-97.5414	37.9450	0.000
2404	-97.8833	38.0086	0.000
2405	-97.8833	38.0086	0.000
2406	-97.5777	38.1336	73.345
2407	-97.5777	38.1336	0.000
2408	-97.5797	38.1334	0.000
2409	-97.5797	38.1334	0.000
2410	-97.7613	37.9780	79.000
2411	-97.4850	38.0360	0.000
2412	-97.8392	38.0280	0.000
2413	-97.8392	38.0266	0.000
2414	-97.8378	38.0067	166.000
2415	-97.8447	38.0067	122.000
2416	-97.5003	37.8552	37.266
2417	-97.7659	38.0654	0.000
2418	-97.7659	38.0637	0.000
2419	-97.7670	38.0645	0.000
2420	-97.7649	38.0645	0.000
2421	-97.6240	37.9377	164.000
2422	-97.6240	37.9377	0.000
2423	-97.7475	37.9412	0.000
2424	-97.5182	37.9574	119.000
2425	-97.5182	37.9574	0.000
2426	-97.5915	37.9006	0.000
2427	-97.6105	38.0431	0.393
2428	-97.6098	38.0580	0.344
2429	-98.0407	37.9388	23.661
2430	-98.0407	37.9381	0.000
2431	-97.5698	38.1194	171.000
2432	-97.9500	37.9481	26.000
2433	-97.4656	38.3155	0.000
2434	-97.4649	38.3158	0.000
2435	-97.9930	38.0131	17.006
2436	-97.4612	37.7789	0.000
2437	-97.6618	38.3457	798.000
2438	-97.9886	37.7721	201.000
2439	-97.6835	38.0389	147.000
2440	-97.6246	37.7942	0.000
2441	-97.6246	37.7942	0.000
2442	-97.5762	38.1584	12.392
2443	-97.7522	37.9599	84.000
2444	-97.5146	38.0461	0.000
2445	-97.5146	38.0461	0.000
2446	-97.5144	38.0454	0.000
2447	-97.5144	38.0454	0.000
2448	-97.5136	38.0454	0.000
2449	-97.5136	38.0454	0.000
2450	-97.6624	38.3187	240.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2451	-97.6283	38.1020	120.000
2452	-97.4910	38.0270	0.000
2453	-97.4910	38.0270	0.000
2454	-97.4908	38.0270	149.502
2455	-97.4908	38.0270	0.000
2456	-97.6423	38.1341	164.000
2457	-97.4033	37.7705	0.000
2458	-97.4033	37.7705	0.000
2459	-97.4033	37.7705	0.000
2460	-97.6274	37.9341	56.000
2461	-97.5688	37.8439	73.000
2462	-97.5688	37.8439	0.000
2463	-97.5755	37.8344	13.000
2464	-97.5755	37.8344	0.000
2465	-97.5755	37.8344	0.000
2466	-97.4480	37.7659	0.000
2467	-98.0186	38.1479	185.000
2468	-97.9917	38.0679	185.000
2469	-98.0279	38.1479	185.000
2470	-98.0279	38.1479	0.000
2471	-97.7241	37.9079	60.000
2472	-97.7241	37.9079	0.000
2473	-98.1057	38.1582	193.000
2474	-98.1057	38.1582	0.000
2475	-97.8984	37.9930	0.000
2476	-97.8984	37.9930	0.000
2477	-97.8975	37.9930	0.000
2478	-97.8975	37.9930	0.000
2479	-97.8995	37.9929	0.000
2480	-97.8995	37.9929	0.000
2481	-97.8889	37.9809	179.000
2482	-97.8889	37.9809	0.000
2483	-97.8893	37.9809	0.000
2484	-97.8893	37.9809	0.000
2485	-97.8884	37.9809	0.000
2486	-97.8884	37.9809	0.000
2487	-97.6423	37.9596	173.532
2488	-97.9991	38.0752	136.000
2489	-97.7917	37.9480	0.000
2490	-97.5233	37.8832	161.000
2491	-97.6147	37.9378	195.000
2492	-97.9077	37.9928	0.000
2493	-97.7365	37.9871	41.356
2494	-97.7365	37.9871	0.000
2495	-97.4553	38.3439	50.617
2496	-98.1106	37.9454	105.902
2497	-98.1110	37.9458	0.000
2498	-98.1096	37.9459	0.000
2499	-97.4846	38.0366	166.000
2500	-97.4841	38.0373	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2501	-97.5409	38.0613	118.000
2502	-97.5409	38.0613	0.000
2503	-97.5409	38.0613	0.000
2504	-97.7921	37.9478	0.000
2505	-97.7914	37.9483	0.000
2506	-97.6513	37.9487	124.000
2507	-97.4497	38.0111	0.000
2508	-97.5415	37.8725	129.350
2509	-97.3853	37.8323	7.137
2510	-97.9917	38.0687	0.000
2511	-97.9907	38.0679	0.000
2512	-97.9917	38.0672	0.000
2513	-97.9927	38.0679	0.000
2514	-97.9991	38.0760	0.000
2515	-97.9981	38.0752	0.000
2516	-97.9991	38.0744	0.000
2517	-98.0001	38.0752	0.000
2518	-97.6835	38.0396	0.000
2519	-97.6836	38.0382	0.000
2520	-97.8483	38.0934	56.482
2521	-97.7954	37.9390	95.000
2522	-97.7954	37.9390	0.000
2523	-97.4654	37.7844	0.000
2524	-97.6016	38.1742	48.243
2525	-97.6021	38.1742	0.000
2526	-97.4681	37.9378	137.000
2527	-97.6285	38.2471	78.000
2528	-97.6285	38.2471	0.000
2529	-97.4682	37.9450	214.000
2530	-97.4682	37.9450	0.000
2531	-97.5694	38.1319	0.000
2532	-97.6566	38.1342	104.000
2533	-97.6566	38.1342	0.000
2534	-97.4638	37.9306	111.000
2535	-97.4638	37.9306	0.000
2536	-97.6883	37.9889	90.000
2537	-97.6491	37.9559	42.000
2538	-98.1110	37.9447	0.000
2539	-97.8129	38.0209	173.000
2540	-97.7571	37.9602	29.000
2541	-97.4950	38.1156	104.500
2542	-97.4880	38.1087	105.229
2543	-97.4864	38.1153	106.414
2544	-97.8583	38.0803	0.000
2545	-97.8584	38.0812	0.000
2546	-97.8587	38.0814	0.000
2547	-97.8590	38.0810	0.000
2548	-97.4963	38.2158	0.000
2549	-97.8586	38.0810	0.000
2550	-97.8626	38.0808	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2551	-97.4553	37.7703	0.000
2552	-97.9173	38.0099	110.000
2553	-97.8070	37.9957	159.000
2554	-97.9271	38.0756	1.633
2555	-97.9291	38.0794	34.017
2556	-97.9234	38.0780	3.004
2557	-97.6096	38.0137	0.638
2558	-97.8804	37.9529	0.000
2559	-97.8811	37.9531	88.006
2560	-97.9167	38.0301	0.000
2561	-97.9165	38.0287	20.009
2562	-97.9263	38.0329	58.247
2563	-97.9270	38.0338	27.979
2564	-97.9270	38.0338	0.000
2565	-97.9281	38.0351	5.522
2566	-97.9137	38.0207	0.000
2567	-97.6143	38.2426	153.000
2568	-97.6143	38.2426	0.000
2569	-97.8071	38.0030	84.000
2570	-97.5098	37.8129	0.000
2571	-97.4341	37.7583	0.000
2572	-97.4329	37.7573	0.000
2573	-97.4464	37.7991	256.636
2574	-97.4464	37.7991	0.000
2575	-97.4493	38.3439	146.000
2576	-97.4493	38.3439	0.000
2577	-97.8805	38.0643	0.000
2578	-97.9162	38.0099	0.000
2579	-97.9183	38.0099	0.000
2580	-97.4958	38.2157	0.000
2581	-97.4958	38.2163	25.335
2582	-97.7110	37.9915	0.000
2583	-97.7461	38.2806	75.409
2584	-97.7461	38.2806	0.000
2585	-97.9013	38.0690	0.000
2586	-97.9013	38.0690	8.035
2587	-97.9013	38.0691	0.912
2588	-97.8573	38.0174	68.000
2589	-98.0332	37.9894	3.648
2590	-98.0335	37.9894	0.000
2591	-98.0329	37.9894	0.000
2592	-98.0289	37.9968	0.000
2593	-98.0291	37.9969	10.092
2594	-98.0286	37.9966	5.442
2595	-98.0307	37.9949	7.794
2596	-97.4402	37.8285	0.000
2597	-97.7816	38.4663	135.246
2598	-97.5415	37.9613	89.000
2599	-97.5415	37.9613	0.000
2600	-97.7153	37.9451	185.917

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2601	-97.7153	37.9451	0.000
2602	-97.4498	37.9231	54.000
2603	-97.4498	37.9231	0.000
2604	-97.3763	37.7892	0.000
2605	-97.3771	37.7885	0.000
2606	-97.6097	38.0289	0.543
2607	-97.7716	38.0595	0.000
2608	-97.7726	38.0596	0.000
2609	-97.7719	38.0594	0.000
2610	-97.7712	38.0593	0.000
2611	-97.7706	38.0597	0.000
2612	-97.8849	38.0474	242.301
2613	-97.8788	38.0429	543.862
2614	-97.6942	38.4503	190.000
2615	-97.8573	38.0177	0.000
2616	-97.8573	38.0182	0.000
2617	-97.8573	38.0171	0.000
2618	-97.8573	38.0166	0.000
2619	-97.4515	37.7574	12.959
2620	-97.4515	37.7574	0.000
2621	-97.8921	38.0486	555.774
2622	-98.0150	37.9918	0.710
2623	-97.5981	38.1176	103.000
2624	-97.5986	38.1183	0.000
2625	-97.5977	38.1170	0.000
2626	-97.9974	37.7775	161.000
2627	-97.4575	37.7545	0.000
2628	-97.4575	37.7545	*
2629	-97.4617	37.7434	49.892
2630	-97.4617	37.7434	7.595
2631	-97.4484	37.7418	32.073
2632	-97.4484	37.7418	9.054
2633	-97.5280	38.0075	153.000
2634	-97.5280	38.0075	0.000
2635	-97.4708	37.7547	0.000
2636	-97.4668	37.7524	6.497
2637	-97.4854	38.1236	68.000
2638	-97.4677	37.7611	0.000
2639	-97.4677	37.7611	0.000
2640	-97.4654	37.7574	5.160
2641	-97.4654	37.7574	1.318
2642	-97.6095	38.1088	147.000
2643	-97.6095	38.1088	0.000
2644	-97.9994	38.1270	37.000
2645	-97.4457	37.7668	7.307
2646	-98.0046	37.7553	0.000
2647	-98.0046	37.7553	0.000
2648	-97.9388	38.0228	0.000
2649	-97.4464	37.7676	8.311
2650	-97.4278	37.9381	29.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2651	-98.0821	37.8849	294.537
2652	-97.9104	38.0474	702.818
2653	-97.9104	38.0474	10.949
2654	-97.4370	37.7527	5.709
2655	-97.4439	37.7582	0.000
2656	-97.6100	38.1088	0.000
2657	-97.6100	38.1088	0.000
2658	-97.6090	38.1088	0.000
2659	-97.6090	38.1088	0.000
2660	-97.4966	37.7270	0.000
2661	-97.3767	37.7888	0.000
2662	-97.9071	37.9529	82.767
2663	-97.9065	37.9535	0.000
2664	-97.9078	37.9535	0.000
2665	-97.9078	37.9524	0.000
2666	-97.9065	37.9524	0.000
2667	-97.4643	38.3164	0.000
2668	-97.4649	38.3159	0.000
2669	-97.9094	37.9593	97.000
2670	-97.4746	38.0418	28.234
2671	-97.4746	38.0418	0.527
2672	-97.4746	38.0418	0.000
2673	-97.4746	38.0418	0.000
2674	-97.4746	38.0418	0.000
2675	-97.9379	37.7417	179.000
2676	-98.0362	37.9736	182.000
2677	-98.0831	37.8849	0.000
2678	-98.0810	37.8849	0.000
2679	-97.3465	37.8030	124.357
2680	-97.7425	38.3776	0.000
2681	-97.5500	37.8159	49.000
2682	-97.8769	38.0888	11.129
2683	-97.4644	37.9338	0.009
2684	-97.6785	38.3452	1867.000
2685	-97.9101	37.9595	0.000
2686	-97.9088	37.9590	0.000
2687	-97.8307	38.0292	111.000
2688	-97.8307	38.0292	0.000
2689	-97.8301	38.0297	0.000
2690	-97.8301	38.0297	0.000
2691	-97.8314	38.0297	0.000
2692	-97.8314	38.0297	0.000
2693	-97.8301	38.0286	0.000
2694	-97.8301	38.0286	0.000
2695	-97.8314	38.0286	0.000
2696	-97.8314	38.0286	0.000
2697	-97.6033	37.8219	121.655
2698	-97.6033	37.8219	0.000
2699	-97.9145	38.0132	0.000
2700	-97.9131	38.0119	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2701	-97.6879	37.8795	167.000
2702	-97.8774	38.0861	9.724
2703	-97.7613	37.9231	0.000
2704	-97.8555	38.1133	0.000
2705	-97.8780	38.0855	0.935
2706	-97.9267	38.0111	37.000
2707	-97.6743	37.9172	159.000
2708	-97.7047	37.9234	88.000
2709	-97.9729	37.9762	172.570
2710	-97.9735	37.9769	0.000
2711	-97.9724	37.9756	0.000
2712	-97.5689	37.9305	117.000
2713	-97.5689	37.9305	0.000
2714	-98.0045	37.7561	200.000
2715	-98.0045	37.7561	0.000
2716	-98.0044	37.7569	0.000
2717	-98.0044	37.7569	0.000
2718	-97.9521	38.1166	65.207
2719	-97.7019	38.2082	109.000
2720	-97.7019	38.2082	0.000
2721	-97.4619	38.3041	0.000
2722	-97.9260	37.9451	0.000
2723	-97.9251	37.9452	0.000
2724	-97.9259	37.9456	0.000
2725	-97.5650	38.0144	93.561
2726	-97.5650	38.0144	0.000
2727	-97.5723	37.9998	203.667
2728	-97.5723	37.9998	0.000
2729	-97.5727	37.9844	70.646
2730	-97.5727	37.9844	0.000
2731	-97.5637	37.9698	33.285
2732	-97.5637	37.9698	0.000
2733	-97.5378	37.9626	18.410
2734	-97.5378	37.9626	0.000
2735	-97.5086	37.9272	19.196
2736	-97.5086	37.9272	0.000
2737	-97.5008	37.9203	91.886
2738	-97.5008	37.9203	0.000
2739	-97.6104	37.9787	128.964
2740	-97.6104	37.9787	0.000
2741	-97.6104	37.9710	181.657
2742	-97.6104	37.9710	0.000
2743	-97.6181	37.9709	269.970
2744	-97.6181	37.9709	0.000
2745	-97.6107	37.9481	0.000
2746	-97.6107	37.9481	0.000
2747	-97.6001	37.9421	170.108
2748	-97.6001	37.9421	0.000
2749	-97.5599	37.8978	322.473
2750	-97.5599	37.8978	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2751	-97.4515	37.7580	14.362
2752	-97.4515	37.7580	0.000
2753	-97.4515	37.7576	17.143
2754	-97.4515	37.7576	0.000
2755	-97.4515	37.7573	0.000
2756	-97.4515	37.7573	0.000
2757	-97.4515	37.7569	0.000
2758	-97.4515	37.7569	0.000
2759	-97.4292	37.7921	0.000
2760	-97.7194	37.8935	174.000
2761	-97.9749	37.7445	179.000
2762	-97.6700	38.1536	0.000
2763	-97.7020	38.4506	77.410
2764	-97.9953	38.1457	154.000
2765	-98.0094	38.1332	168.000
2766	-97.9905	38.0969	7.573
2767	-97.9905	38.0969	0.000
2768	-97.3897	37.8141	13.000
2769	-97.3876	37.8175	10.000
2770	-97.9729	37.9762	0.000
2771	-97.6676	38.0339	0.000
2772	-97.6676	38.0339	0.000
2773	-97.9999	38.1475	185.000
2774	-97.5316	37.8207	107.000
2775	-97.5316	37.8207	0.000
2776	-97.9388	38.0235	0.000
2777	-97.9388	38.0228	0.000
2778	-97.9388	38.0222	0.000
2779	-97.4379	37.7711	0.000
2780	-97.6573	38.4567	0.000
2781	-97.4779	38.0388	60.487
2782	-97.9013	38.0543	0.006
2783	-97.4546	37.9018	145.000
2784	-97.5416	37.9559	55.000
2785	-97.5416	37.9559	0.000
2786	-97.4427	37.8148	0.000
2787	-97.4427	37.8148	0.000
2788	-97.8384	38.0467	0.000
2789	-97.4851	37.8025	77.000
2790	-97.7689	37.9087	151.000
2791	-97.4142	37.7678	14.500
2792	-97.4313	37.9450	172.000
2793	-97.7606	37.9086	186.000
2794	-97.7606	37.9086	0.000
2795	-97.5642	37.8778	149.000
2796	-97.5642	37.8778	0.000
2797	-97.6629	37.8654	66.982
2798	-97.9920	38.0208	1.184
2799	-97.9920	38.0208	0.000
2800	-98.0773	38.1426	14.400

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2801	-98.0772	38.1423	0.047
2802	-98.0106	38.1398	122.000
2803	-98.0106	38.1398	0.000
2804	-97.7060	38.1413	209.000
2805	-97.9152	38.0711	6.046
2806	-97.4472	38.0964	33.283
2807	-97.4479	38.0970	0.000
2808	-97.4466	38.0967	0.000
2809	-97.4466	38.0958	0.000
2810	-97.4479	38.0961	0.000
2811	-97.5537	37.8977	1.133
2812	-98.0541	38.1691	128.000
2813	-97.6564	38.4571	0.000
2814	-97.6569	38.4569	0.000
2815	-97.9557	38.0407	300.542
2816	-97.7612	37.9159	0.000
2817	-98.1098	37.9302	66.629
2818	-97.7698	37.9087	0.000
2819	-97.7680	37.9087	0.000
2820	-97.5412	38.0904	0.000
2821	-97.5412	38.0920	0.000
2822	-97.5412	38.0912	192.000
2823	-97.5055	37.8112	0.000
2824	-97.6111	37.9174	0.000
2825	-97.4448	38.0364	0.000
2826	-97.4448	38.0364	0.000
2827	-97.4448	38.0362	151.918
2828	-97.4448	38.0362	0.000
2829	-97.6238	38.0324	174.943
2830	-97.6238	38.0324	0.000
2831	-97.6147	38.2353	60.098
2832	-97.6147	38.2353	0.000
2833	-97.3991	37.8195	106.000
2834	-97.3991	37.8195	0.000
2835	-97.5648	37.9845	65.324
2836	-97.5648	37.9845	0.000
2837	-97.5363	37.9511	6.214
2838	-97.5363	37.9511	0.000
2839	-97.5376	37.9335	164.170
2840	-97.5376	37.9335	0.000
2841	-97.6288	38.1140	79.147
2842	-97.6288	38.1140	0.000
2843	-97.6882	37.8870	167.000
2844	-97.6653	37.8736	0.054
2845	-97.7236	38.1992	38.000
2846	-97.7236	38.1992	0.000
2847	-97.4266	37.9909	190.000
2848	-97.5276	38.1565	141.000
2849	-97.9140	38.0693	38.162
2850	-97.9132	38.0676	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2851	-97.9132	38.0676	0.000
2852	-97.9132	38.0674	0.159
2853	-97.9132	38.0674	0.000
2854	-97.9132	38.0678	10.883
2855	-97.9132	38.0678	0.000
2856	-97.4357	38.0305	160.000
2857	-97.4357	38.0313	0.000
2858	-97.4357	38.0297	0.000
2859	-97.5728	38.0210	98.045
2860	-97.5728	38.0210	0.000
2861	-97.6437	37.9223	15.000
2862	-97.6509	38.0181	142.000
2863	-97.6501	38.0187	0.000
2864	-97.6186	38.2324	154.000
2865	-97.8985	37.9930	165.000
2866	-97.8985	37.9930	0.000
2867	-97.5634	38.1268	107.000
2868	-97.5634	38.1268	0.000
2869	-97.4317	37.9342	71.000
2870	-97.5183	37.9231	122.949
2871	-97.5276	38.1559	0.000
2872	-97.5276	38.1570	0.000
2873	-97.5218	37.8221	60.000
2874	-97.7266	38.1848	150.941
2875	-97.7266	38.1848	0.000
2876	-97.4357	38.0305	0.000
2877	-98.0087	37.9987	34.000
2878	-97.7266	38.2467	73.116
2879	-97.6734	38.3426	827.000
2880	-97.9501	37.7630	0.000
2881	-97.9501	37.7635	0.000
2882	-97.9501	37.7641	0.000
2883	-97.9501	37.7646	0.000
2884	-97.5273	37.9563	91.000
2885	-97.5273	37.9563	0.000
2886	-97.8526	38.1199	0.000
2887	-98.1009	37.9484	152.820
2888	-97.4755	38.0421	0.000
2889	-97.4755	38.0421	0.000
2890	-97.4755	38.0421	0.000
2891	-97.4755	38.0421	0.000
2892	-97.4755	38.0421	0.000
2893	-97.4765	38.0424	24.494
2894	-97.4765	38.0424	0.590
2895	-97.4765	38.0424	0.000
2896	-97.4765	38.0424	0.000
2897	-97.4765	38.0424	0.000
2898	-97.5505	37.9851	15.000
2899	-97.4114	37.8829	122.000
2900	-97.6619	38.2824	209.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2901	-97.6619	38.2824	0.000
2902	-97.6619	38.2824	0.000
2903	-97.4266	37.9971	0.000
2904	-97.4542	38.3587	55.913
2905	-97.9501	37.7638	205.000
2906	-98.1054	37.9338	69.392
2907	-98.1054	37.9338	0.000
2908	-97.4854	38.1236	0.000
2909	-97.4854	38.1242	0.000
2910	-97.4854	38.1231	0.000
2911	-97.6292	38.2303	0.000
2912	-97.6239	38.2463	139.000
2913	-97.6995	38.2868	182.415
2914	-97.6515	38.1632	203.262
2915	-97.9894	38.1412	196.000
2916	-98.0820	37.8849	0.000
2917	-98.1009	37.9492	0.000
2918	-98.1018	37.9480	0.000
2919	-98.1001	37.9480	0.000
2920	-97.4544	37.7521	0.000
2921	-97.4544	37.7521	*
2922	-98.0996	37.9536	154.532
2923	-98.0996	37.9544	0.000
2924	-98.0996	37.9528	0.000
2925	-97.4343	37.7946	294.613
2926	-97.6107	37.9991	0.697
2927	-97.5557	37.9381	0.813
2928	-97.5547	37.9479	0.000
2929	-97.5511	37.9562	0.678
2930	-97.5922	37.9562	0.663
2931	-97.6096	37.9562	0.752
2932	-97.5142	38.0456	121.000
2933	-97.5142	38.0456	0.000
2934	-97.7406	37.8834	0.000
2935	-97.7396	37.8834	0.000
2936	-97.7386	37.8834	0.000
2937	-97.7293	38.1520	181.717
2938	-97.7293	38.1556	135.500
2939	-97.5645	38.1268	0.000
2940	-97.5645	38.1268	0.000
2941	-97.5634	38.1268	0.000
2942	-97.5634	38.1268	0.000
2943	-97.5624	38.1268	0.000
2944	-97.5624	38.1268	0.000
2945	-97.6285	37.8097	84.000
2946	-97.7658	37.9743	92.000
2947	-97.3482	37.7903	0.000
2948	-97.7623	37.9663	138.000
2949	-97.7623	37.9663	0.000
2950	-98.1288	38.1630	187.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
2951	-97.3988	37.7787	10.000
2952	-97.3988	37.7787	0.000
2953	-97.9203	37.9477	139.953
2954	-97.9210	37.9482	0.000
2955	-97.9197	37.9482	0.000
2956	-97.9210	37.9471	0.000
2957	-97.9197	37.9471	0.000
2958	-97.7034	38.3214	109.000
2959	-97.9907	37.7581	0.000
2960	-97.5571	37.9878	140.000
2961	-97.9444	37.7525	90.000
2962	-97.4369	37.7768	0.000
2963	-97.4369	37.7768	0.000
2964	-97.6700	37.9813	143.000
2965	-97.6148	37.8724	0.000
2966	-97.6168	37.8724	0.000
2967	-97.6158	37.8724	101.000
2968	-97.7586	38.4063	48.000
2969	-97.7586	38.4063	0.000
2970	-97.7154	37.8651	0.000
2971	-97.7144	37.8651	0.000
2972	-97.7134	37.8651	0.000
2973	-97.7144	37.8651	175.000
2974	-97.8793	38.0175	0.000
2975	-97.8793	38.0175	0.000
2976	-97.8793	38.0175	0.000
2977	-97.8813	38.0175	0.000
2978	-97.8813	38.0175	0.000
2979	-97.8813	38.0175	0.000
2980	-97.8803	38.0175	134.306
2981	-97.8803	38.0175	0.000
2982	-97.8803	38.0175	0.000
2983	-97.8658	38.0141	0.000
2984	-97.8658	38.0141	0.000
2985	-97.8651	38.0141	0.000
2986	-97.8651	38.0141	0.000
2987	-97.8644	38.0141	0.000
2988	-97.8644	38.0141	0.000
2989	-97.8637	38.0141	0.000
2990	-97.8637	38.0141	0.000
2991	-97.8647	38.0141	110.814
2992	-97.8647	38.0141	0.000
2993	-97.8443	38.0180	0.000
2994	-97.8443	38.0180	0.000
2995	-97.8429	38.0180	0.000
2996	-97.8429	38.0180	0.000
2997	-97.8443	38.0169	0.000
2998	-97.8443	38.0169	0.000
2999	-97.8429	38.0169	0.000
3000	-97.8429	38.0169	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
3001	-97.8436	38.0174	133.832
3002	-97.8436	38.0174	0.000
3003	-97.5533	38.1776	108.000
3004	-97.4280	37.9486	174.328
3005	-97.4270	37.9486	0.000
3006	-97.4277	37.9486	0.000
3007	-97.4284	37.9486	0.000
3008	-97.4290	37.9486	0.000
3009	-97.5327	38.2644	0.000
3010	-97.5321	38.2644	0.000
3011	-97.5314	38.2644	0.000
3012	-97.5307	38.2644	0.000
3013	-97.5317	38.2644	163.000
3014	-97.7281	38.2897	14.436
3015	-97.8468	38.0918	1.651
3016	-97.8468	38.0918	0.000
3017	-97.8468	38.0918	0.000
3018	-97.8466	38.0922	40.697
3019	-97.5018	37.9415	222.000
3020	-97.5744	37.9554	0.737
3021	-97.8436	37.9995	182.743
3022	-97.6194	38.1549	78.000
3023	-97.9075	37.9994	36.000
3024	-97.9071	37.9994	36.000
3025	-97.9073	37.9994	0.000
3026	-97.3771	37.8435	4.462
3027	-97.7109	37.9815	0.000
3028	-97.5312	37.7812	15.038
3029	-97.6290	38.0434	148.621
3030	-97.7294	38.0282	149.000
3031	-97.6753	38.1123	156.634
3032	-97.6753	38.1123	113.643
3033	-97.6753	38.1123	0.000
3034	-97.6753	38.1123	0.000
3035	-97.6753	38.1123	0.000
3036	-97.6973	38.2302	116.000
3037	-97.6973	38.2302	0.000
3038	-97.5190	37.9751	177.096
3039	-97.7332	37.8892	114.357
3040	-97.7332	37.8892	0.000
3041	-97.9991	38.0210	0.335
3042	-97.9991	38.0210	0.000
3043	-97.8954	38.0510	0.000
3044	-97.7213	37.8829	0.463
3045	-97.9437	37.7522	0.000
3046	-97.9451	37.7529	0.000
3047	-97.9472	37.9866	134.000
3048	-97.9525	37.9794	147.000
3049	-97.9525	37.9794	0.000
3050	-97.5164	38.1913	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
3051	-97.5164	38.1913	0.000
3052	-97.5154	38.1913	0.000
3053	-97.5154	38.1913	0.000
3054	-97.5159	38.1913	0.826
3055	-97.5159	38.1913	0.000
3056	-98.0964	38.1425	148.000
3057	-97.7819	37.9781	86.929
3058	-98.0497	37.8864	0.000
3059	-98.0483	37.8864	0.000
3060	-98.0497	37.8853	0.000
3061	-98.0483	37.8853	0.000
3062	-98.0490	37.8859	58.359
3063	-97.7783	37.9850	140.908
3064	-97.5612	37.8297	0.000
3065	-97.6521	37.9692	0.000
3066	-97.8935	38.0506	0.000
3067	-97.8919	38.0507	0.041
3068	-97.5276	37.8325	99.000
3069	-97.7167	37.8815	0.000
3070	-97.7705	37.9846	160.366
3071	-97.9265	37.9455	840.000
3072	-97.9270	37.9459	0.000
3073	-98.0648	37.9520	111.382
3074	-97.9907	37.7589	222.000
3075	-97.9907	37.7597	0.000
3076	-97.6790	37.9524	159.000
3077	-97.6790	37.9524	0.000
3078	-97.6123	37.8560	41.890
3079	-97.6589	38.4507	7.236
3080	-97.4996	37.8975	329.737
3081	-97.9774	37.7884	0.000
3082	-97.9774	37.7892	0.000
3083	-97.9774	37.7900	0.000
3084	-97.9774	37.7892	0.000
3085	-97.4272	38.3506	31.609
3086	-97.9815	37.7917	0.000
3087	-97.8978	38.0218	0.000
3088	-97.4471	38.3623	0.000
3089	-97.5287	38.0997	83.711
3090	-97.7313	38.1777	129.843
3091	-97.4497	37.9668	66.765
3092	-98.0864	37.9530	0.000
3093	-98.0870	37.9525	0.000
3094	-98.0870	37.9535	0.000
3095	-98.0858	37.9535	0.000
3096	-98.0858	37.9525	0.000
3097	-98.0783	37.9469	0.000
3098	-98.0776	37.9474	0.000
3099	-98.0790	37.9474	0.000
3100	-98.0790	37.9463	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
3101	-98.0776	37.9463	0.000
3102	-98.0807	37.9419	0.000
3103	-98.0814	37.9424	0.000
3104	-98.0800	37.9424	0.000
3105	-98.0800	37.9413	0.000
3106	-98.0814	37.9413	0.000
3107	-97.4309	37.9876	0.000
3108	-97.8411	37.9688	13.073
3109	-97.4359	37.9738	108.038
3110	-97.4305	37.9704	0.000
3111	-97.8880	37.9918	0.000
3112	-97.8890	37.9918	0.000
3113	-97.8880	37.9918	0.000
3114	-97.8870	37.9918	0.000
3115	-98.0479	37.9296	0.000
3116	-97.6247	38.2067	0.000
3117	-97.8711	38.0175	0.000
3118	-97.8705	38.0181	0.000
3119	-97.8705	38.0170	0.000
3120	-97.8718	38.0170	0.000
3121	-97.5410	38.0793	0.000
3122	-97.7062	37.9673	92.000
3123	-97.7314	38.1846	172.000
3124	-97.4819	38.2238	0.000
3125	-97.4821	38.2245	29.000
3126	-97.4818	38.2238	19.280
3127	-97.4818	38.2231	0.000
3128	-97.6257	38.2002	0.000
3129	-97.9458	37.9644	0.000
3130	-97.5506	37.8869	130.000
3131	-98.1138	37.9058	0.000
3132	-98.0587	37.8940	0.000
3133	-97.4275	38.3513	0.000
3134	-97.4268	38.3513	0.000
3135	-97.4268	38.3498	0.000
3136	-97.4275	38.3498	0.000
3137	-97.7705	37.9851	0.000
3138	-97.7705	37.9842	0.000
3139	-97.5777	37.8212	65.000
3140	-97.4402	37.8358	99.886
3141	-97.8970	38.0157	192.917
3142	-97.8347	37.9628	0.000
3143	-98.0444	38.0045	81.000
3144	-97.8573	38.0029	0.000
3145	-97.8573	38.0029	0.000
3146	-97.8573	38.0035	0.000
3147	-97.8573	38.0024	0.000
3148	-98.0141	37.9736	13.489
3149	-97.4775	37.8869	194.000
3150	-97.4775	37.8869	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
3151	-98.1185	37.8938	0.000
3152	-97.7198	37.8744	0.000
3153	-97.5646	38.1777	89.182
3154	-97.5646	38.1777	0.000
3155	-97.7204	37.8682	0.000
3156	-98.0761	38.1418	0.015
3157	-98.0767	38.1422	0.000
3158	-97.4857	37.8068	0.000
3159	-97.8999	37.9519	52.007
3160	-97.8989	37.9521	0.000
3161	-97.4731	37.7374	6.100
3162	-97.4731	37.7374	0.000
3163	-97.4731	37.7419	73.970
3164	-97.4731	37.7419	0.000
3165	-97.4793	37.7420	3.331
3166	-97.4793	37.7420	0.000
3167	-97.5967	38.1110	43.207
3168	-97.5967	38.1110	0.000
3169	-97.5967	38.1104	0.000
3170	-97.5967	38.1104	0.000
3171	-97.5325	37.8943	171.000
3172	-97.5325	37.8943	0.000
3173	-97.6208	38.1558	0.000
3174	-97.6201	38.1558	0.000
3175	-97.4957	37.8431	208.000
3176	-97.5698	38.1315	114.746
3177	-97.5694	38.1308	0.000
3178	-97.7259	38.1424	107.678
3179	-98.0728	37.8314	0.000
3180	-98.0735	37.8320	0.000
3181	-98.0721	37.8320	0.000
3182	-98.0735	37.8309	0.000
3183	-98.0721	37.8309	0.000
3184	-97.4585	37.8213	70.000
3185	-98.1142	37.9054	0.000
3186	-98.1142	37.9061	0.000
3187	-98.1133	37.9054	0.000
3188	-98.1133	37.9061	0.000
3189	-98.0591	37.8940	0.000
3190	-98.0591	37.8926	0.000
3191	-98.0582	37.8940	0.000
3192	-98.0582	37.8926	0.000
3193	-97.7060	37.9960	102.000
3194	-97.7060	37.9960	0.000
3195	-97.7061	37.9959	0.000
3196	-97.7061	37.9959	0.000
3197	-97.5484	37.8924	0.000
3198	-97.8460	38.0935	0.000
3199	-97.9176	38.0397	109.621
3200	-97.7612	37.9168	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
3201	-97.7612	37.9163	183.000
3202	-97.5048	37.8472	149.362
3203	-97.7485	38.0358	0.000
3204	-97.7486	38.0354	180.000
3205	-97.8459	38.0428	828.532
3206	-97.7302	37.9948	162.795
3207	-97.5226	37.9663	0.000
3208	-97.5000	37.9467	88.000
3209	-97.5000	37.9467	5.000
3210	-97.5000	37.9467	0.000
3211	-97.8467	38.0946	40.284
3212	-97.7396	37.8826	0.000
3213	-97.7396	37.8832	106.000
3214	-97.4638	38.3478	51.000
3215	-98.7981	38.2574	131.324
3216	-97.6322	38.0113	0.000
3217	-97.6322	38.0097	0.000
3218	-97.6322	38.0105	103.000
3219	-98.0682	37.8172	172.582
3220	-97.8464	38.0936	0.000
3221	-97.4302	37.9874	0.000
3222	-97.4312	37.9873	0.000
3223	-97.4312	37.9879	0.000
3224	-97.7198	37.8687	0.000
3225	-97.7210	37.8687	0.000
3226	-97.7198	37.8678	0.000
3227	-97.7210	37.8678	0.000
3228	-97.7338	37.9340	97.000
3229	-97.7032	38.3920	0.000
3230	-97.7225	38.1888	168.052
3231	-97.5356	38.1975	70.939
3232	-97.5356	38.1975	0.000
3233	-97.5356	38.1975	0.000
3234	-97.5349	38.1973	0.000
3235	-97.5349	38.1973	0.000
3236	-97.5349	38.1973	0.000
3237	-97.5363	38.1973	0.000
3238	-97.5363	38.1973	0.000
3239	-97.5363	38.1973	0.000

Point No.	NAD27_ LONGITUDE	NAD27_ LATITUDE	AF_ PUMPED
-----------	---------------------	--------------------	---------------

* Data for these wells were not available at the time this report was published.

**APPENDIX H –
2012 ANNUAL STREAMFLOW, INCLUDING BASEFLOW & ABOVE BASEFLOW
STAGE**

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
1/1/2012	7.9
1/2/2012	8.1
1/3/2012	7.8
1/4/2012	7.6
1/5/2012	7.4
1/6/2012	7.0
1/7/2012	6.8
1/8/2012	6.6
1/9/2012	6.6
1/10/2012	6.6
1/11/2012	6.2
1/12/2012	5.6
1/13/2012	5.5
1/14/2012	5.7
1/15/2012	5.9
1/16/2012	6.1
1/17/2012	5.8
1/18/2012	5.7
1/19/2012	5.9
1/20/2012	5.8
1/21/2012	5.7
1/22/2012	5.9
1/23/2012	6.1
1/24/2012	6.1
1/25/2012	6.2
1/26/2012	6.3
1/27/2012	6.2
1/28/2012	6.2
1/29/2012	6.3
1/30/2012	6.4
1/31/2012	6.3
2/1/2012	6.8
2/2/2012	6.9
2/3/2012	70.0
2/4/2012	89.0
2/5/2012	83.0
2/6/2012	101.0
2/7/2012	72.0
2/8/2012	47.0
2/9/2012	30.0
2/10/2012	21.0
2/11/2012	14.0
2/12/2012	13.0
2/13/2012	13.0
2/14/2012	12.0
2/15/2012	12.0
2/16/2012	11.0

Valley Center Gage

Date	Discharge (cfs)
1/1/2012	49.0
1/2/2012	45.0
1/3/2012	43.0
1/4/2012	41.0
1/5/2012	33.0
1/6/2012	32.0
1/7/2012	29.0
1/8/2012	28.0
1/9/2012	26.0
1/10/2012	25.0
1/11/2012	23.0
1/12/2012	20.0
1/13/2012	22.0
1/14/2012	22.0
1/15/2012	21.0
1/16/2012	24.0
1/17/2012	20.0
1/18/2012	18.0
1/19/2012	20.0
1/20/2012	17.0
1/21/2012	16.0
1/22/2012	20.0
1/23/2012	17.0
1/24/2012	16.0
1/25/2012	17.0
1/26/2012	16.0
1/27/2012	20.0
1/28/2012	19.0
1/29/2012	17.0
1/30/2012	16.0
1/31/2012	16.0
2/1/2012	17.0
2/2/2012	16.0
2/3/2012	970.0
2/4/2012	2930.0
2/5/2012	1160.0
2/6/2012	605.0
2/7/2012	387.0
2/8/2012	236.0
2/9/2012	162.0
2/10/2012	115.0
2/11/2012	93.0
2/12/2012	79.0
2/13/2012	75.0
2/14/2012	62.0
2/15/2012	55.0
2/16/2012	54.0

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
2/17/2012	11.0
2/18/2012	11.0
2/19/2012	11.0
2/20/2012	11.0
2/21/2012	11.0
2/22/2012	10.0
2/23/2012	9.8
2/24/2012	9.6
2/25/2012	11.0
2/26/2012	10.0
2/27/2012	10.0
2/28/2012	11.0
2/29/2012	165.0
3/1/2012	630.0
3/2/2012	162.0
3/3/2012	52.0
3/4/2012	24.0
3/5/2012	18.0
3/6/2012	16.0
3/7/2012	14.0
3/8/2012	13.0
3/9/2012	12.0
3/10/2012	12.0
3/11/2012	12.0
3/12/2012	12.0
3/13/2012	12.0
3/14/2012	12.0
3/15/2012	12.0
3/16/2012	12.0
3/17/2012	12.0
3/18/2012	12.0
3/19/2012	14.0
3/20/2012	14.0
3/21/2012	17.0
3/22/2012	157.0
3/23/2012	702.0
3/24/2012	588.0
3/25/2012	266.0
3/26/2012	119.0
3/27/2012	64.0
3/28/2012	38.0
3/29/2012	29.0
3/30/2012	23.0
3/31/2012	20.0

Valley Center Gage

Date	Discharge (cfs)
2/17/2012	48.0
2/18/2012	46.0
2/19/2012	43.0
2/20/2012	40.0
2/21/2012	38.0
2/22/2012	37.0
2/23/2012	34.0
2/24/2012	31.0
2/25/2012	28.0
2/26/2012	27.0
2/27/2012	26.0
2/28/2012	28.0
2/29/2012	25.0
3/1/2012	895.0
3/2/2012	580.0
3/3/2012	219.0
3/4/2012	108.0
3/5/2012	70.0
3/6/2012	57.0
3/7/2012	51.0
3/8/2012	45.0
3/9/2012	43.0
3/10/2012	37.0
3/11/2012	34.0
3/12/2012	33.0
3/13/2012	32.0
3/14/2012	31.0
3/15/2012	28.0
3/16/2012	27.0
3/17/2012	25.0
3/18/2012	23.0
3/19/2012	32.0
3/20/2012	78.0
3/21/2012	104.0
3/22/2012	455.0
3/23/2012	1490.0
3/24/2012	1600.0
3/25/2012	843.0
3/26/2012	408.0
3/27/2012	232.0
3/28/2012	151.0
3/29/2012	114.0
3/30/2012	105.0
3/31/2012	88.0

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
4/1/2012	18.0
4/2/2012	16.0
4/3/2012	15.0
4/4/2012	194.0
4/5/2012	517.0
4/6/2012	295.0
4/7/2012	135.0
4/8/2012	82.0
4/9/2012	49.0
4/10/2012	32.0
4/11/2012	24.0
4/12/2012	21.0
4/13/2012	18.0
4/14/2012	18.0
4/15/2012	69.0
4/16/2012	46.0
4/17/2012	141.0
4/18/2012	174.0
4/19/2012	65.0
4/20/2012	36.0
4/21/2012	27.0
4/22/2012	22.0
4/23/2012	19.0
4/24/2012	18.0
4/25/2012	16.0
4/26/2012	15.0
4/27/2012	15.0
4/28/2012	14.0
4/29/2012	15.0
4/30/2012	15.0
5/1/2012	17.0
5/2/2012	18.0
5/3/2012	27.0
5/4/2012	26.0
5/5/2012	19.0
5/6/2012	15.0
5/7/2012	26.0
5/8/2012	30.0
5/9/2012	15.0
5/10/2012	13.0
5/11/2012	11.0
5/12/2012	11.0
5/13/2012	11.0
5/14/2012	10.0

Valley Center Gage

Date	Discharge (cfs)
4/1/2012	74.0
4/2/2012	66.0
4/3/2012	60.0
4/4/2012	82.0
4/5/2012	643.0
4/6/2012	561.0
4/7/2012	313.0
4/8/2012	219.0
4/9/2012	137.0
4/10/2012	100.0
4/11/2012	80.0
4/12/2012	
4/13/2012	156.0
4/14/2012	74.0
4/15/2012	257.0
4/16/2012	199.0
4/17/2012	117.0
4/18/2012	236.0
4/19/2012	
4/20/2012	99.0
4/21/2012	74.0
4/22/2012	62.0
4/23/2012	55.0
4/24/2012	50.0
4/25/2012	48.0
4/26/2012	44.0
4/27/2012	41.0
4/28/2012	38.0
4/29/2012	45.0
4/30/2012	63.0
5/1/2012	56.0
5/2/2012	57.0
5/3/2012	50.0
5/4/2012	70.0
5/5/2012	58.0
5/6/2012	46.0
5/7/2012	54.0
5/8/2012	69.0
5/9/2012	60.0
5/10/2012	39.0
5/11/2012	32.0
5/12/2012	29.0
5/13/2012	27.0
5/14/2012	26.0

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
5/15/2012	9.6
5/16/2012	10.0
5/17/2012	10.0
5/18/2012	9.5
5/19/2012	8.7
5/20/2012	8.1
5/21/2012	7.7
5/22/2012	7.0
5/23/2012	6.6
5/24/2012	5.7
5/25/2012	5.0
5/26/2012	4.9
5/27/2012	4.6
5/28/2012	4.1
5/29/2012	3.8
5/30/2012	6.0
5/31/2012	152.0
6/1/2012	223.0
6/2/2012	66.0
6/3/2012	33.0
6/4/2012	22.0
6/5/2012	15.0
6/6/2012	10.0
6/7/2012	7.4
6/8/2012	6.2
6/9/2012	5.0
6/10/2012	4.7
6/11/2012	4.2
6/12/2012	3.8
6/13/2012	3.8
6/14/2012	4.0
6/15/2012	62.0
6/16/2012	135.0
6/17/2012	89.0
6/18/2012	62.0
6/19/2012	33.0
6/20/2012	22.0
6/21/2012	29.0
6/22/2012	19.0
6/23/2012	10.0
6/24/2012	7.9
6/25/2012	6.2
6/26/2012	5.1
6/27/2012	5.4

Valley Center Gage

Date	Discharge (cfs)
5/15/2012	24.0
5/16/2012	23.0
5/17/2012	22.0
5/18/2012	21.0
5/19/2012	20.0
5/20/2012	20.0
5/21/2012	19.0
5/22/2012	18.0
5/23/2012	16.0
5/24/2012	14.0
5/25/2012	13.0
5/26/2012	12.0
5/27/2012	11.0
5/28/2012	11.0
5/29/2012	12.0
5/30/2012	15.0
5/31/2012	64.0
6/1/2012	270.0
6/2/2012	226.0
6/3/2012	112.0
6/4/2012	75.0
6/5/2012	50.0
6/6/2012	37.0
6/7/2012	26.0
6/8/2012	20.0
6/9/2012	16.0
6/10/2012	13.0
6/11/2012	13.0
6/12/2012	16.0
6/13/2012	13.0
6/14/2012	9.2
6/15/2012	103.0
6/16/2012	194.0
6/17/2012	192.0
6/18/2012	129.0
6/19/2012	89.0
6/20/2012	59.0
6/21/2012	178.0
6/22/2012	226.0
6/23/2012	76.0
6/24/2012	43.0
6/25/2012	29.0
6/26/2012	20.0
6/27/2012	16.0

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
6/28/2012	5.2
6/29/2012	4.1
6/30/2012	3.5
7/1/2012	3.6
7/2/2012	3.6
7/3/2012	3.5
7/4/2012	3.3
7/5/2012	3.1
7/6/2012	2.4
7/7/2012	2.0
7/8/2012	1.9
7/9/2012	1.9
7/10/2012	1.4
7/11/2012	1.2
7/12/2012	1.0
7/13/2012	0.5
7/14/2012	0.3
7/15/2012	0.3
7/16/2012	0.1
7/17/2012	0.1
7/18/2012	0.0
7/19/2012	0.0
7/20/2012	0.0
7/21/2012	0.1
7/22/2012	0.0
7/23/2012	0.0
7/24/2012	0.0
7/25/2012	0.0
7/26/2012	0.0
7/27/2012	0.0
7/28/2012	0.0
7/29/2012	0.0
7/30/2012	0.0
7/31/2012	0.0
8/1/2012	0.0
8/2/2012	0.0
8/3/2012	0.0
8/4/2012	0.0
8/5/2012	0.0
8/6/2012	0.0
8/7/2012	0.0
8/8/2012	0.0
8/9/2012	0.0
8/10/2012	0.0

Valley Center Gage

Date	Discharge (cfs)
6/28/2012	14.0
6/29/2012	12.0
6/30/2012	10.0
7/1/2012	9.3
7/2/2012	8.2
7/3/2012	7.4
7/4/2012	7.0
7/5/2012	7.4
7/6/2012	7.5
7/7/2012	6.8
7/8/2012	6.9
7/9/2012	6.8
7/10/2012	6.6
7/11/2012	6.8
7/12/2012	6.4
7/13/2012	6.3
7/14/2012	6.4
7/15/2012	5.9
7/16/2012	5.8
7/17/2012	6.4
7/18/2012	6.0
7/19/2012	5.6
7/20/2012	5.6
7/21/2012	5.0
7/22/2012	4.8
7/23/2012	4.6
7/24/2012	4.4
7/25/2012	4.5
7/26/2012	4.8
7/27/2012	4.5
7/28/2012	4.4
7/29/2012	4.3
7/30/2012	4.3
7/31/2012	4.3
8/1/2012	4.3
8/2/2012	4.3
8/3/2012	4.5
8/4/2012	4.4
8/5/2012	4.5
8/6/2012	4.4
8/7/2012	5.2
8/8/2012	4.8
8/9/2012	4.6
8/10/2012	4.4

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
8/11/2012	0.0
8/12/2012	0.0
8/13/2012	0.0
8/14/2012	0.0
8/15/2012	0.0
8/16/2012	0.0
8/17/2012	0.0
8/18/2012	0.0
8/19/2012	0.0
8/20/2012	0.0
8/21/2012	0.0
8/22/2012	0.0
8/23/2012	0.0
8/24/2012	0.0
8/25/2012	0.0
8/26/2012	0.0
8/27/2012	0.0
8/28/2012	0.0
8/29/2012	0.0
8/30/2012	0.0
8/31/2012	0.0
9/1/2012	0.0
9/2/2012	0.0
9/3/2012	0.0
9/4/2012	0.0
9/5/2012	0.0
9/6/2012	0.0
9/7/2012	0.0
9/8/2012	0.0
9/9/2012	0.0
9/10/2012	0.0
9/11/2012	0.0
9/12/2012	0.0
9/13/2012	0.0
9/14/2012	0.0
9/15/2012	0.0
9/16/2012	0.0
9/17/2012	0.0
9/18/2012	0.0
9/19/2012	0.0
9/20/2012	0.0
9/21/2012	0.0
9/22/2012	0.0
9/23/2012	0.0

Valley Center Gage

Date	Discharge (cfs)
8/11/2012	4.3
8/12/2012	4.5
8/13/2012	4.5
8/14/2012	5.2
8/15/2012	5.3
8/16/2012	4.8
8/17/2012	4.6
8/18/2012	5.1
8/19/2012	5.1
8/20/2012	5.0
8/21/2012	12.0
8/22/2012	12.0
8/23/2012	6.5
8/24/2012	6.0
8/25/2012	12.0
8/26/2012	57.0
8/27/2012	85.0
8/28/2012	21.0
8/29/2012	9.3
8/30/2012	6.8
8/31/2012	5.9
9/1/2012	5.2
9/2/2012	4.9
9/3/2012	4.8
9/4/2012	4.7
9/5/2012	6.1
9/6/2012	27.0
9/7/2012	19.0
9/8/2012	8.7
9/9/2012	10.0
9/10/2012	8.5
9/11/2012	6.3
9/12/2012	5.6
9/13/2012	6.0
9/14/2012	5.9
9/15/2012	5.7
9/16/2012	6.8
9/17/2012	6.0
9/18/2012	5.6
9/19/2012	5.4
9/20/2012	5.3
9/21/2012	5.3
9/22/2012	5.2
9/23/2012	5.3

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
9/24/2012	0.0
9/25/2012	0.0
9/26/2012	0.0
9/27/2012	0.0
9/28/2012	0.0
9/29/2012	0.1
9/30/2012	0.1
10/1/2012	0.1
10/2/2012	0.2
10/3/2012	0.2
10/4/2012	0.2
10/5/2012	0.2
10/6/2012	0.2
10/7/2012	0.2
10/8/2012	0.3
10/9/2012	0.3
10/10/2012	0.3
10/11/2012	0.3
10/12/2012	0.3
10/13/2012	0.6
10/14/2012	0.5
10/15/2012	0.6
10/16/2012	0.5
10/17/2012	0.2
10/18/2012	0.0
10/19/2012	0.2
10/20/2012	0.4
10/21/2012	0.5
10/22/2012	1.3
10/23/2012	1.1
10/24/2012	0.9
10/25/2012	0.9
10/26/2012	0.7
10/27/2012	1.0
10/28/2012	1.0
10/29/2012	1.0
10/30/2012	1.1
10/31/2012	1.1
11/1/2012	1.0
11/2/2012	1.0
11/3/2012	0.9
11/4/2012	0.9
11/5/2012	0.9
11/6/2012	0.9

Valley Center Gage

Date	Discharge (cfs)
9/24/2012	5.5
9/25/2012	5.4
9/26/2012	10.0
9/27/2012	10.0
9/28/2012	14.0
9/29/2012	17.0
9/30/2012	69.0
10/1/2012	26.0
10/2/2012	13.0
10/3/2012	11.0
10/4/2012	9.7
10/5/2012	8.8
10/6/2012	7.9
10/7/2012	7.6
10/8/2012	7.0
10/9/2012	7.7
10/10/2012	7.1
10/11/2012	6.7
10/12/2012	7.4
10/13/2012	8.3
10/14/2012	9.8
10/15/2012	31.0
10/16/2012	21.0
10/17/2012	9.7
10/18/2012	8.9
10/19/2012	8.5
10/20/2012	8.2
10/21/2012	8.5
10/22/2012	8.4
10/23/2012	8.2
10/24/2012	7.9
10/25/2012	7.8
10/26/2012	7.3
10/27/2012	7.0
10/28/2012	7.6
10/29/2012	7.1
10/30/2012	7.4
10/31/2012	7.5
11/1/2012	7.6
11/2/2012	7.3
11/3/2012	7.0
11/4/2012	6.6
11/5/2012	6.8
11/6/2012	6.8

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
11/7/2012	0.9
11/8/2012	0.9
11/9/2012	1.0
11/10/2012	1.0
11/11/2012	2.3
11/12/2012	0.9
11/13/2012	0.8
11/14/2012	0.8
11/15/2012	0.3
11/16/2012	0.3
11/17/2012	0.3
11/18/2012	0.1
11/19/2012	0.1
11/20/2012	0.3
11/21/2012	0.4
11/22/2012	0.6
11/23/2012	0.3
11/24/2012	0.3
11/25/2012	0.7
11/26/2012	0.7
11/27/2012	0.7
11/28/2012	0.9
11/29/2012	0.9
11/30/2012	0.8
12/1/2012	0.5
12/2/2012	0.8
12/3/2012	0.8
12/4/2012	0.5
12/5/2012	0.8
12/6/2012	1.1
12/7/2012	1.0
12/8/2012	1.0
12/9/2012	0.7
12/10/2012	0.8
12/11/2012	1.0
12/12/2012	1.1
12/13/2012	1.3
12/14/2012	1.3
12/15/2012	1.8
12/16/2012	1.2
12/17/2012	1.2
12/18/2012	1.7
12/19/2012	1.6
12/20/2012	1.4

Valley Center Gage

Date	Discharge (cfs)
11/7/2012	6.8
11/8/2012	7.5
11/9/2012	8.1
11/10/2012	8.0
11/11/2012	10.0
11/12/2012	14.0
11/13/2012	14.0
11/14/2012	9.3
11/15/2012	8.0
11/16/2012	7.5
11/17/2012	7.2
11/18/2012	7.1
11/19/2012	7.2
11/20/2012	6.9
11/21/2012	7.1
11/22/2012	7.4
11/23/2012	7.1
11/24/2012	6.9
11/25/2012	6.6
11/26/2012	6.3
11/27/2012	6.2
11/28/2012	6.3
11/29/2012	6.5
11/30/2012	6.8
12/1/2012	7.1
12/2/2012	7.1
12/3/2012	7.2
12/4/2012	6.7
12/5/2012	6.8
12/6/2012	7.3
12/7/2012	7.1
12/8/2012	7.2
12/9/2012	7.7
12/10/2012	6.9
12/11/2012	7.1
12/12/2012	6.8
12/13/2012	6.5
12/14/2012	6.7
12/15/2012	7.1
12/16/2012	7.2
12/17/2012	7.4
12/18/2012	7.8
12/19/2012	7.4
12/20/2012	7.5

2012 USGS Daily Stream Flow Data

Highway 50 Gage

Date	Discharge (cfs)
12/21/2012	1.3
12/22/2012	1.4
12/23/2012	1.4
12/24/2012	1.3
12/25/2012	1.4
12/26/2012	1.2
12/27/2012	1.3
12/28/2012	1.2
12/29/2012	1.1
12/30/2012	1.1
12/31/2012	1.1

Valley Center Gage

Date	Discharge (cfs)
12/21/2012	7.3
12/22/2012	7.4
12/23/2012	8.5
12/24/2012	8.0
12/25/2012	7.0
12/26/2012	8.4
12/27/2012	8.1
12/28/2012	7.8
12/29/2012	8.5
12/30/2012	8.0
12/31/2012	8.2