

**City of Lathrop
Third Quarter 2009
Groundwater Monitoring Report,
Membrane Bioreactor
Wastewater Recycling Plant,
Order No. R5-2006-0094
October 30, 2009**

Report and Appendices

Prepared by:

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HYDROFOCUS^{INC}

Solutions for Land and Water Resources

October 30, 2009

Mr. Brendan Kenney
Waste Discharge to Land Unit
California Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Subject: Third Quarter 2009 Groundwater Monitoring Report,
Membrane Bioreactor Wastewater Treatment Plant,
City of Lathrop, San Joaquin County

Dear Mr. Kenney,

Please find the enclosed Third Quarter 2009 Groundwater Monitoring Report, Membrane Bioreactor Wastewater Treatment Plant, prepared on behalf of the City of Lathrop pursuant to the Waste Discharge Requirements of RWQCB Order R5-2006-0094.

Most of the water-quality and water-level data presented in this report were collected under HydroFocus' supervision, however some data were provided to us by others. To the best of our ability, HydroFocus performed quality assurance and control analysis on all data and attempted to verify and compensate for errors or questionable results. Based on our analysis and review, we believe all data presented in this report are true and accurate.

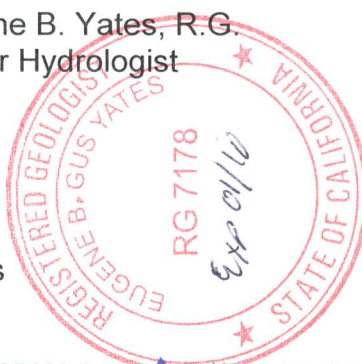
Sincerely,

David Leighton
Hydrologist

Eugene B. Yates, R.G.
Senior Hydrologist

John Fio
Principal Hydrologist

cc: Greg Gibson, City of Lathrop
Dave Umezaki, EKI
Ramon Batista, River Islands



**City of Lathrop
Third Quarter 2009 Groundwater
Monitoring Report,
Wastewater Recycling Plant,
Order No. R5-2006-0094**

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City of Lathrop Third Quarter 2009 Groundwater Monitoring Report, Wastewater Recycling Plant, Order No. R5-2006-0094

1.0 INTRODUCTION

As required by the City of Lathrop's Waste Discharge Requirements (WDRs) Order No. R5-2006-0094, this report summarizes quarterly data from wells monitoring groundwater beneath recycled water storage ponds and land application areas located in Mossdale, recycled water storage ponds located at the Membrane Bioreactor Water Recycling Plant No. 1 (WRP-1), recycled water storage Pond S6, and land application areas located at River Islands (Figure 1). Also located coincident with the WRP-1 are three wastewater storage ponds, three land application sites, and nine monitoring wells that are part of the Crossroads Wastewater Treatment Facility (WWTF). Groundwater is monitored for the WWTF under WDR Order No. 5-01-251.

As required by Lathrop's Monitoring and Reporting Program, this quarterly report summarizes Third Quarter 2009 data (July, August, and September). Sample collection and analyses were performed in accordance with the City's "Sampling and Analysis Work Plan" (SAP) approved August 13, 2007, by Regional Water Quality Control Board (RWQCB) staff.¹ Consistent with Lathrop's WDRs, this groundwater monitoring report includes the following:

- A narrative description of all preparatory, monitoring, sampling, and analytical testing activities for Third Quarter 2009 groundwater monitoring in compliance with the approved SAP. Field logs for each well sampled are provided in Appendix A. The field logs document depth to groundwater; parameters measured before, during, and after purging; method of purging; calculation of casing volume; and total volume of water purged.
- Calculation of groundwater elevations and contours, referenced to mean sea level (Figure 3), and an assessment of groundwater flow direction, gradient, and seasonality, including a comparison with previous conditions (Section 3.1).
- A narrative discussion of the analytical results for all groundwater locations monitored including spatial and temporal trends (Figures 5 and 6), with reference to summary data tables (Table 6), graphs, and appended analytical reports.

¹ City of Lathrop Master Groundwater Well Installation and/or Destruction Work Plan (Revised), submitted by HydroFocus, Inc. on June 14, 2007.

- A comparison of the analytical results of groundwater samples to the interim groundwater quality limitations cited in the WDRs and an explanation of any violation of those limitations, including an evaluation of the groundwater quality beneath the water recycling facility, recycled water storage ponds, and land application areas (Section 3.2).
- Summary water table elevation data tables for historical (Appendix B) and current (Table 4) conditions and analytical data tables for historical (Appendix C) and current (Table 6) conditions.
- Scaled maps showing relevant structures, features and monitoring well locations (Figure 2).
- Copies of laboratory analytical reports for groundwater sampling during Third Quarter 2009 (Appendix E).

2.0 GROUNDWATER MONITORING ACTIVITIES

Hydrofocus, Inc., ENGEO, Inc., and FGL Environmental, Inc. conducted the Third Quarter 2009 monitoring activities, which included water level measurements and well-water sampling. Monitoring well locations are shown in Figure 2a (Mosssdale), Figure 2b (WRP-1), Figure 2c (Pond S6), and Figure 2d (River Islands). Consistent with the approved Groundwater Monitoring Workplan, water levels are monitored in all wells and water quality is monitored in a subset of the wells. All monitoring was done in accordance with the SAP.

On April 21, 2009, a new well was installed as a replacement for well MWM-10, in accordance with RWQCB-approved Groundwater Well Project Description Addendum (January 27, 2009) and Groundwater Well Installation Addendum (April 9, 2009). The location of this well (MWM-27) is shown on Figure 2a. Construction details for well MWM-27 were documented in the well installation report submitted to the RWQCB.² Monitoring of well MWM-27 began in the 3rd Quarter 2009.

2.1 Groundwater Level Measurements

Groundwater elevations relative to mean sea level (msl) (NAVD 88) were calculated by subtracting the depth to water from the elevation of the measurement point at each well. From July 27 to August 3, 2009, a water level sounder (Slope Indicator Water Level Indicator), which is accurate to 0.01 foot, was utilized to measure depth to water in all Mosssdale wells, four WRP-1 wells, and all Pond S6 wells. The water level in Crossroads WWTF well KMW-4 was measured using a water level sounder by FGL Environmental, Inc. on July 27, 2009. ENGEO, Inc. recorded water level depths in the River Islands wells using data loggers and reported the average groundwater elevation on August 4, 2009.

² Summary of Monitoring Well Installation, submitted by the City of Lathrop on May 12, 2009.

2.2 Well Water Sample Collection and Analysis

During the period from July 27 through August 5, 2009, the monitoring wells were purged and sampled³ using a 2-inch Redi-Flo submersible pump and dedicated tubing.⁴ A minimum of 3 casing volumes were purged prior to sampling with exceptions due to slow recharge (affected wells noted in Table 1). Field parameters (pH, electrical conductivity, temperature, dissolved oxygen, and oxidation-reduction potential) were monitored using a YSI Model 556 multimeter and flow cell. Samples were collected once field parameters did not vary more than 10% between each casing volume. The samples were stored in a chilled cooler and transported to the analytical laboratory using standard chain-of-custody protocol.

Table 1 reports the calculated volume of each well casing and the number of casing volumes purged. Appendix A contains groundwater purging and sampling logs. Purged water was disposed of at well sites or disposal fields in accordance with the SAP.

³ FGL Environmental, Inc. sampled well KMW-4 as part of the Crossroads Wastewater Treatment Facility monitoring program (regulated by a different Order).

⁴ Coliform samples were collected by HydroFocus, Inc. using new, clean, disposable bailers at each well after all other sample bottles were filled.

Table 1. Monitoring Well Sample Dates, Well Casing Volume, and Number of Casing Volumes Purged.				
<i>Well ID</i>	<i>Sampled By</i>	<i>Water Quality Sampling Date</i>	<i>Casing Volume (gallons)</i>	<i>Calculated Number of Casing Volumes Purged Prior to Sampling</i>
<i>Mossdale</i>				
MWM-1	HydroFocus, Inc.	7/29//2009	4.7	3.0
MWM-2 ^a	HydroFocus, Inc.	7/29/2009	6.2	2.4
MWM-3	HydroFocus, Inc.	7/29/2009	6.3	3.0
MWM-4 ^a	HydroFocus, Inc.	7/29/2009	7.4	1.6
MWM-5 ^a	HydroFocus, Inc.	7/29/2009	7.0	1.4
MWM-9	HydroFocus, Inc.	8/3/2009	12.3	3.0
MWM-11	HydroFocus, Inc.	8/3/2009	8.3	3.0
MWM-12	HydroFocus, Inc.	7/29/2009	10.0	3.0
MWM-13	HydroFocus, Inc.	8/3/2009	7.0	3.0
MWM-14	HydroFocus, Inc.	7/30/2009	9.5	3.0
MWM-15	HydroFocus, Inc.	7/30/2009	7.5	2.9
MWM-16	HydroFocus, Inc.	7/30/2009	7.5	3.0
MWM-17	HydroFocus, Inc.	7/30/2009	8.0	3.0
MWM-19	HydroFocus, Inc.	7/30/2009	6.5	3.0
MWM-20	HydroFocus, Inc.	7/30/2009	8.0	3.0
MWM-21	HydroFocus, Inc.	7/28/2009	8.7	3.0
MWM-22	HydroFocus, Inc.	7/28/2009	1.9	3.2
MWM-23	HydroFocus, Inc.	7/28/2009	8.5	3.0
MWM-24	HydroFocus, Inc.	7/28/2009	7.0	3.0
MWM-25	HydroFocus, Inc.	7/28/2009	8.2	3.0
MWM-26	HydroFocus, Inc.	7/28/2009	8.0	3.0
MWM-27	HydroFocus, Inc.	7/30/2009	11.0	3.0
<i>Membrane Bioreactor Water Recycling Plant (WRP-1)</i>				
MBRMW-1	HydroFocus, Inc.	7/27/2009	6.2	3.0
MBRMW-2	HydroFocus, Inc.	7/27/2009	7.2	3.0
MBRMW-3	HydroFocus, Inc.	7/27/2009	7.4	3.0
MBRMW-4	HydroFocus, Inc.	7/27/2009	13.0	3.0
KMW-4	FGL Environmental, Inc.	7/27/2009	9.0	3.1
<i>Pond S6</i>				
RMW-4	HydroFocus, Inc.	7/27/2009	11.5	3.0
RMW-5	HydroFocus, Inc.	7/27/2009	12.0	3.0

a) Well pumped dry during purging. Well was allowed to recharge and then sampled, as specified in the approved SAP.

Table 1 (continued). Monitoring Well Sample Dates, Well Casing Volume, and Number of Casing Volumes Purged.				
<i>Well Id</i>	<i>Sampled By</i>	<i>Water Quality Sampling Date</i>	<i>Casing Volume (gallons)</i>	<i>Calculated Number of Casing Volumes Purged Prior to Sampling</i>
<i>River Islands</i>				
MWR-3	HydroFocus, Inc.	8/5/2009	1.3	3.5
MWR-11	HydroFocus, Inc.	8/4/2009	2.0	3.0
MWR-12	HydroFocus, Inc.	8/4/2009	1.1	3.2
MWR-23	HydroFocus, Inc.	8/3/2009	7.0	3.3
MWR-24	HydroFocus, Inc.	8/3/2009	7.8	3.3
MWR-25	HydroFocus, Inc.	8/3/2009	8.5	3.4
MWR-26	HydroFocus, Inc.	8/5/2009	10.0	3.2
MWR-27	HydroFocus, Inc.	8/5/2009	12.5	3.6
MWR-28	HydroFocus, Inc.	8/4/2009	11.5	3.5
MWR-29 ^a	HydroFocus, Inc.	8/4/2009	10.0	2.6
MWR-30 ^a	HydroFocus, Inc.	8/4/2009	11.0	1.7
MWR-31	HydroFocus, Inc.	8/5/2009	11.0	2.9
MWR-32 ^a	HydroFocus, Inc.	8/4/2009	11.0	1.8

a) Well pumped dry during purging. Well was allowed to recharge and then sampled, as specified in the approved SAP.

Sample bottles were rinsed three times with sample water prior to sample collection. Unfiltered samples were filled directly from the sample tubing and filtered samples were passed through a 0.45 µm capsule filter. Samples were preserved in the field by adding nitric acid (HNO₃) to samples collected for metals, and adding sulfuric acid (H₂SO₄) to samples collected for ammonia and Total Kjeldahl Nitrogen (TKN). The coliform samples were collected using a new, clean, disposable bailer after all other bottles were filled. The coliform and trihalomethane samples were collected in bottles pre-preserved by the laboratory. The samples were kept on ice during storage and shipment to the laboratory under standard chain-of-custody protocol.

As per Table D2 of the approved SAP, the monitored parameters and constituents for water samples collected from monitoring wells during the Third Quarter 2009 are listed in Table 2.

Table 2. Monitored Parameters and Constituents.

<i>Constituent</i>	<i>Units</i>	<i>Type of Sample</i>
pH	--	Grab
Total Dissolved Solids	mg/L	Grab
Electrical Conductivity	µmhos/cm	Grab
Standard cations		
Calcium	mg/L	Grab
Magnesium	mg/L	Grab
Sodium	mg/L	Grab
Potassium	mg/L	Grab
Standard anions		
Chloride	mg/L	Grab
Sulfate	mg/L	Grab
Alkalinity	mg/L	Grab
Bicarbonate alkalinity	mg/L	Grab
Carbonate alkalinity	mg/L	Grab
Hardness	mg/L	Grab
Total Coliform Organisms	MPN/100ml	Grab
Nitrogen		
Ammonia	mg/L	Grab
Nitrate plus Nitrite Nitrogen	mg/L	Grab
Nitrate Nitrogen	mg/L	Grab
Nitrite Nitrogen	mg/L	Grab
Total Kjeldahl	mg/L	Grab
Total Trihalomethanes		
Bromoform	µg/L	Grab
Bromodichloromethane	µg/L	Grab
Chloroform	µg/L	Grab
Dibromochloromethane	µg/L	Grab
Bromide	mg/L	Grab
Boron	mg/L	Grab
Iron	mg/L	Grab
Manganese	mg/L	Grab

The meters and methods used to analyze the water samples are summarized below in Table 3.

Table 3. Meters and Analytical Methods	
<i>Parameter/Constituent</i>	<i>Meter/Laboratory Method</i>
pH	YSI Model 556 MPS meter
Total Dissolved Solids	EPA Standard Method SM 2540C
Electrical Conductivity	YSI Model 556 MPS meter
Standard cations ^a	EPA Standard Method 200.7
Standard anions ^b	EPA Standard Method 300.0
Bicarbonate and carbonate alkalinity	EPA Standard Method 2320B
Hardness	EPA Standard Method 200.7
Total Coliform Organisms	EPA Standard Method SM 9221B
Nitrogen	
Ammonia	EPA Standard Method 350.1
Nitrate plus nitrite as nitrogen	EPA Standard Method 353.2
Nitrate as nitrogen	EPA Standard Method 353.2
Total Kjeldahl as nitrogen	EPA Standard Method 351.2
Total Trihalomethanes	EPA Standard Method 524.2
Bromide	EPA Standard Method 300.1
Boron	EPA Standard Method 200.7
Iron	EPA Standard Method 200.7
Manganese	EPA Standard Method 200.8

a) Standard cations include calcium, magnesium, sodium and potassium.

b) Standard anions include chloride and sulfate.

3.0 GROUNDWATER MONITORING RESULTS

Groundwater levels were measured in monitoring wells to assess changes in groundwater-flow directions, and analytical results from well water samples were used to assess changes in shallow groundwater chemical composition. WRP-1 began operating on April 18, 2006; however with the exception of wells located near Land Application Area A23 and Ponds S1, S2, S4 and S5, most of the data collected are still representative of background conditions. Recycled water deliveries to Land Application Area A23 first began during Second Quarter 2006 and recycled water was stored in Pond S5 for the first time in November 2007. During Third Quarter 2009 and prior to the groundwater monitoring event, recycled water was stored in Ponds S1, S2, S4, and S5 and was discharged to Land Application Area A23.⁵

⁵ The City of Lathrop submits a monthly report to the RWQCB that includes a record of recycled water deliveries to Land Application Areas and storage ponds.

3.1 Groundwater Elevations, Flow Directions, and Hydraulic Gradients

Table 4 summarizes groundwater elevation data for Third Quarter 2009.

Table 4. Third Quarter 2009 Groundwater Elevations.						
<i>Well Name^a</i>	<i>Measured By</i>	<i>Water Level Measurement Date</i>	<i>Reference Point Elevation (feet MSL, NAVD 88)</i>	<i>Depth to Ground Water (feet below reference point)</i>	<i>Ground Water Elevation (feet MSL, NAVD 88)</i>	<i>Groundwater Elevation Change from Previous Quarter (feet)</i>
<i>Mossdale</i>						
MWM-1	HydroFocus, Inc.	7/29//2009	14.22	9.91	4.31	0.04
MWM-2	HydroFocus, Inc.	7/29/2009	13.57	8.93	4.64	0.00
MWM-3	HydroFocus, Inc.	7/29/2009	15.51	10.90	4.61	-0.17
MWM-4	HydroFocus, Inc.	7/29/2009	14.06	9.30	4.76	-0.28
MWM-5	HydroFocus, Inc.	7/29/2009	14.35	9.98	4.37	-0.26
MWM-6 ^b	HydroFocus, Inc.	7/27/2009	11.62	7.06	4.56	0.21
MWM-7 ^{b,c}	HydroFocus, Inc.	--	10.25	--	--	--
MWM-8 ^b	HydroFocus, Inc.	7/27/2009	14.04	9.99	4.05	-0.41
MWM-9	HydroFocus, Inc.	8/3/2009	14.02	10.10	3.92	-0.47
MWM-11	HydroFocus, Inc.	8/3/2009	11.01	8.16	2.85	-0.34
MWM-12	HydroFocus, Inc.	7/29/2009	13.52	8.80	4.72	-0.6
MWM-13	HydroFocus, Inc.	8/3/2009	13.13	9.03	4.10	-0.73
MWM-14	HydroFocus, Inc.	7/30/2009	10.93	6.10	4.83	1.40
MWM-15	HydroFocus, Inc.	7/30/2009	13.26	8.90	4.36	1.90
MWM-16	HydroFocus, Inc.	7/30/2009	11.80	7.49	4.31	0.11
MWM-17	HydroFocus, Inc.	7/30/2009	12.27	7.89	4.38	-0.18
MWM-19	HydroFocus, Inc.	7/30/2009	14.05	10.07	3.98	-0.85
MWM-20	HydroFocus, Inc.	7/30/2009	10.77	7.67	3.10	-0.71
MWM-21	HydroFocus, Inc.	7/28/2009	10.76	7.25	3.51	-0.74
MWM-22	HydroFocus, Inc.	7/28/2009	13.16	9.32	3.84	0.08
MWM-23	HydroFocus, Inc.	7/28/2009	13.33	10.75	2.58	-0.75
MWM-24	HydroFocus, Inc.	7/28/2009	12.77	9.93	2.84	-0.70
MWM-25	HydroFocus, Inc.	7/28/2009	9.84	7.57	2.27	-1.14
MWM-26	HydroFocus, Inc.	7/28/2009	11.43	8.47	2.96	-0.67
MWM-27	HydroFocus, Inc.	7/30/2009	9.09	6.75	4.73	--
<i>Membrane Bioreactor Water Recycling Plant (WRP-1)</i>						
MBRMW-1	HydroFocus, Inc.	7/27/2009	19.97	14.39	5.58	-0.89
MBRMW-2	HydroFocus, Inc.	7/27/2009	20.07	14.79	5.28	-0.79
MBRMW-3	HydroFocus, Inc.	7/27/2009	14.57	9.67	4.90	-0.97
MBRMW-4	HydroFocus, Inc.	7/27/2009	20.13	14.05	6.08	-0.25
KMW-1 ^b	FGL Environmental	7/27/2009	14.30	9.85	4.45	-0.21
KMW-2 ^b	FGL Environmental	7/27/2009	16.30	12.3	4.00	-0.46
KMW-3 ^b	FGL Environmental	7/27/2009	16.14	11.61	4.53	-0.19
KMW-4	FGL Environmental	7/27/2009	19.91	13.16	6.75	0.29
KMW-6 ^b	FGL Environmental	7/27/2009	24.37	15.3	9.07	0.56
KMW-7 ^b	FGL Environmental	7/27/2009	21.45	13.87	7.58	-0.21
W-1 ^b	FGL Environmental	7/27/2009	18.29	11.47	6.82	-0.59
W-2 ^b	FGL Environmental	7/27/2009	19.29	12.0	7.29	-0.97
MW-5 ^b	FGL Environmental	7/27/2009	13.29	8.70	4.59	-0.40

Table 4 (continued). Third Quarter 2009 Groundwater Elevations.						
<i>Well Name^a</i>	<i>Measured By</i>	<i>Water Level Measurement Date</i>	<i>Reference Point Elevation (feet MSL, NAVD 88)</i>	<i>Depth to Ground Water (feet below reference point)</i>	<i>Ground Water Elevation (feet MSL, NAVD 88)</i>	<i>Groundwater Elevation Change from Previous Quarter (feet)</i>
<i>Pond S6</i>						
RMW-1	HydroFocus, Inc.	7/27/2009	22.78	15.15	7.63	-1.71
RMW-2	HydroFocus, Inc.	7/27/2009	24.26	19.29	4.97	-2.19
RMW-3	HydroFocus, Inc.	7/27/2009	24.87	19.01	5.86	-1.67
RMW-4	HydroFocus, Inc.	7/27/2009	24.00	22.10	1.90	-4.20
RMW-5	HydroFocus, Inc.	7/27/2009	23.26	19.96	3.30	-3.66
<i>River Islands^d</i>						
MWR-1	ENGEO, Inc.	8/4/2009	19.40	15.3	4.1	0.9
MWR-2	ENGEO, Inc.	8/4/2009	18.13	14.9	3.2	-0.8
MWR-3	ENGEO, Inc.	8/4/2009	14.66	10.7	4.0	1.2
MWR-4	ENGEO, Inc.	8/4/2009	18.82	13.5	5.3	0.9
MWR-5	ENGEO, Inc.	8/4/2009	18.16	11.6	6.6	2.0
MWR-6	ENGEO, Inc.	8/4/2009	16.17	9.5	6.7	2.6
MWR-7	ENGEO, Inc.	8/4/2009	16.98	9.6	7.4	3.2
MWR-8	ENGEO, Inc.	8/4/2009	14.79	5.4	9.4	3.3
MWR-9	ENGEO, Inc.	8/4/2009	14.57	7.9	6.7	3.0
MWR-10	ENGEO, Inc.	8/4/2009	15.10	8.0	7.1	2.5
MWR-11	ENGEO, Inc.	8/4/2009	14.33	9.7	4.6	-0.1
MWR-12	ENGEO, Inc.	8/4/2009	14.78	8.0	6.8	1.8
MWR-23	ENGEO, Inc.	8/4/2009	19.70	14.8	4.9	0.6
MWR-24	ENGEO, Inc.	8/4/2009	16.68	11.5	5.2	1.2
MWR-25	ENGEO, Inc.	8/4/2009	16.25	11.2	5.1	0.9
MWR-26	ENGEO, Inc.	8/4/2009	14.75	9.7	5.1	1.6
MWR-27	ENGEO, Inc.	8/4/2009	10.88	5.9	5.0	2.9
MWR-28	ENGEO, Inc.	8/4/2009	11.94	7.2	4.7	1.9
MWR-29 ^e	ENGEO, Inc.	--	13.29	--	--	--
MWR-30	ENGEO, Inc.	8/4/2009	13.22	8.0	5.2	3.8
MWR-31	ENGEO, Inc.	8/4/2009	10.51	8.2	2.3	-1.9
MWR-32	ENGEO, Inc.	8/4/2009	11.97	10.8	1.2	-1.7

a) The monitoring wells are constructed to represent conditions in the shallowest water-bearing zones. In general, the wells are 20 to 30 feet deep and have perforated intervals that range from 10- to 20-feet in total length.

b) Well is not part of the approved monitoring network, but groundwater levels were used to provide supplemental data for contouring (Figures 3a and 3b).

c) Well was inaccessible during Third Quarter 2009 monitoring event.

d) ENGEO records water levels in River Islands wells using data loggers. Reported water levels are the average of all values recorded on 8/4/09. Groundwater elevations reported by ENGEO, Inc. were to the nearest 0.1 foot. Depth to groundwater was calculated by subtracting the groundwater elevation from measuring point elevation.

e) The data logger in this well malfunctioned and data could not be retrieved. Data logger was replaced on 10/12/09.

Groundwater elevation contour maps are provided in Figures 3a, 3b, 3c, and 3d. Data from both the Crossroads WWTF and WRP-1 monitoring well networks were used to construct the contour lines shown in Figure 3b. Table 5 lists hydraulic head gradients calculated between selected monitoring well pairs. Water levels

and hydraulic head gradients are expected to change temporally as a result of seasonal conditions, construction activities, future disposal operations, and changes in land use resulting from development. Calculated gradients between selected well pairs monitor hydraulic gradients within the following areas:

- Regional gradients across northern, central, and southern Mosssdale.
- Local gradients in Mosssdale beneath the largest Land Application Area (A23).
- Local gradients at the WRP-1 beneath Pond S4 and Pond S5.
- Local gradients beneath Pond S6, located northeast of Mosssdale and WRP-1.
- Local gradients beneath River Islands Land Application Areas A28, A30, and A31.
- Local gradients across the open drainage ditch beneath River Islands at locations north of Land Application Areas A30 and A31 (monitoring well pair MWR-29 and -30), and north of constructed Land Application Area 28 (monitoring well pair MWR-3 and -26).

A positive gradient indicates that groundwater flow is away from the first well listed and toward the second well. A negative gradient indicates that groundwater flow is in the opposite direction, and water is moving away from the second well listed and toward the first well.

Table 5. Hydraulic Gradients between Selected Monitoring Wells.						
Location	Well Number Pair	Distance Between Wells (feet)	Gradient			
			2 nd Qtr 2009	3 rd Qtr 2009	Change	
					Absolute Magnitude	Description
Mosssdale						
Northern Mosssdale	MWM-24	2,365	0.0001	0.0001	0.0000	No Change
	MWM-23					
Central Mosssdale	MWM-14	3,575	-0.0004	0.0002	0.0006	Reverse
	MWM-13					
Southern Mosssdale	MWM-2	2,470	0.0001	0.0003	0.0002	Increase
	MWM-9					
Land Application Area A23	MWM-12	1,415	0.0015	0.0013	0.0002	Decrease
	MWM-11					
Land Application Area A23	MWM-12	500	0.0010	0.0012	0.0002	Increase
	MWM-13					
Membrane Bioreactor Water Recycling Plant (WRP-1)						
Pond S5	KMW-4	1,660	0.0000	0.0007	0.0007	Increase
	MBRMW-1					
Pond S5	MBRMW-4	1,440	0.0002	0.0006	0.0004	Increase
	MBRMW-2					
Pond S4	MBRMW-2	545	0.0004	0.0007	0.0003	Increase
	MBRMW-3					

Table 5 (continued). Hydraulic Gradients Between Selected Monitoring Wells.						
Location	Well Number Pair	Distance Between Wells (feet)	Gradient			
			2 nd Qtr 2009	3 ^d Qtr 2009	Change	
					Absolute Magnitude	Description
Pond S6						
Pond S6	RMW-5	1,335	0.0006	0.0010	0.0004	Increase
	RMW-4					
River Islands						
Land Application Areas A30 and A31						
Across drainage ditch	MWR-29 ^a	160	--	--	--	--
	MWR-30					
Land Application Area A31	MWR-11	1,250	0.0014	0.0027	0.0013	Increase
	MWR-32					
Land Application Area A30	MWR-12	915	0.0024	0.0023	-0.0001	Decrease
	MWR-28					
Land Application Area A28						
Across drainage ditch	MWR-3	215	-0.0033	-0.0051	0.0018	Increase
	MWR-26					
Land Application Area 28	MWR-24	975	-0.0002	0.0001	0.0003	Reverse
	MWR-25					

a) The data logger in this well malfunctioned and data could not be retrieved. Data logger was replaced on 10/12/09.

In Mossdale, water levels in monitoring wells decreased an average of about 0.2 feet between Second Quarter 2009 and Third Quarter 2009. Groundwater elevation contours (Figure 3a) indicate horizontal groundwater movement is generally similar to flow directions observed for Second Quarter 2009. In northern Mossdale, groundwater movement is generally to the north. In central Mossdale groundwater movement is toward a depression in the water level surface that trends from the southeast to the northwest. In southern Mossdale, groundwater movement is generally away from the storage ponds. In northern and central Mossdale flow directions shown on Figure 3a are generally away from the San Joaquin River. The average stage in the river was above most of the groundwater levels in northern and central Mossdale during the measurement period.⁶ In southern Mossdale, the average stage in the river was below the most groundwater levels and the flow direction is generally away from the storage ponds and the average river stage was below most groundwater levels.

⁶ San Joaquin River stage recorded at the Mossdale Bridge during the period 7/27/09 to 8/5/09 ranged from 3.55 to 5.84 feet above mean sea level, and averaged 4.6 feet above mean sea level.

The calculated gradients between paired wells ranged from 0.0001 to 0.0013 (Table 5). The groundwater gradients beneath Land Application Area A23 were similar to the previous quarter. The ground water level beneath the field, as indicated by the water level elevation in well MWM-12, decreased by 0.60 feet from Second Quarter 2009. Recycled water was last applied to Land Application Area A23 on July 20 and 21, 2009, approximately two weeks prior to the Third Quarter 2009 water level measurements.

Beneath WRP-1, water levels in the five WRP-1 monitoring wells decreased an average of about 0.5 feet between Second Quarter 2009 and Third Quarter 2009, likely as a result of seasonal conditions. Groundwater elevation contours (Figure 3b) indicate horizontal groundwater movement beneath ponds S4 and S5 is generally to the west and are generally similar to flow directions observed during previous monitoring events. The calculated gradients between paired wells ranged from 0.0006 to 0.0007 (Table 5).

In the vicinity of Pond S6, well water levels decreased an average of about 2.7 feet between Second Quarter 2009 and Third Quarter 2009 and the gradient across Pond S6 increased from 0.0006 to 0.0010. The horizontal flow direction was generally toward the southwest beneath Pond S6 (Figure 3c) which is consistent with the flow direction observed in previous quarters. The magnitude of the gradient is typically greatest in fall and smallest in winter-spring because summer drawdown near well RMW-4 is greater than near well RMW-1.

Beneath River Islands, average water levels increased by about 1.4 feet between Second Quarter 2009 and Third Quarter 2009. The increase may be due to non-recycled water irrigation of agricultural land on River Islands. The calculated gradients between paired wells ranged from -0.0051 to 0.0027 (Table 5). Horizontal flow directions are generally similar to directions observed in Second Quarter 2009. The gradient between wells MWR-24 and MWR-25 reversed direction from 2nd Quarter 2009, but the gradient in both quarters was small. Well water levels appear to be influenced by irrigation, San Joaquin River, Old River, Paradise Cut, and the drainage ditch located north and northeast of the Land Application Areas (Figure 3d). In the northwestern part of the River Islands area (near Land Application Areas A30 and A31), groundwater contours are typically consistent with the drainage ditch functioning as a drain. However, the lowest water level was in well MWR-32 located in the center of Land Application Area A31 and this was the lowest water level ever observed in this well. In the southeastern part of the River Islands area (near Land Application Area A28), groundwater flow was toward the drainage ditch northeast of the field, as it has been in previous quarters.

3.2 Groundwater Analytical Results and Interim Limitations

Table 6 shows the groundwater sampling results for all constituents analyzed. The following discussion, figures, and tables compare the monitoring data to the interim groundwater quality limitations cited in the WDRs. Background groundwater quality was tabulated and analyzed in a report submitted to the RWQCB.⁷ For that report, statistical analysis was used to calculate recommended final groundwater quality limitations that would replace the interim limitations. As of the date of this report, the recommended final limitations have not yet been approved by the RWQCB. Comparisons between the Third Quarter 2009 results and the interim and recommended final limitations are noted in the text below. Specific wells with concentrations exceeding the interim groundwater limitations are identified in Table 6.

In Figures 4a, 4b, and 4c box plots (stem and whisker diagrams) concisely display the data distributions for the pooled monitoring wells in Mosssdale, WRP-1, and River Islands, respectively. The box plots compare the Third Quarter 2009 analytical results to the interim groundwater quality limitations cited in the WDRs. (The distribution for the Pond S6 data was not plotted because only two wells are sampled at this location.)

Most Third Quarter 2009 well-water data represent background conditions. These background sample concentrations exceed the interim groundwater quality limitations for TDS, sodium, iron, manganese, chloride in most wells. No sample concentrations exceeded the recommended final limitations for these constituents except sodium in well MWM-4. The sodium concentration in well MWM-4 (420 mg/L) was the highest ever observed in this well. Continued quarterly monitoring data will provide information to determine if this high concentration is a temporary anomaly. Additionally, concentrations for the following constituents exceeded the interim limitations in one or more wells:

- Coliform bacteria are widespread in the environment and occur in large numbers within soil. The test for total coliform includes all coliform organisms, not just those found in the human intestinal tract. Historical background groundwater total coliform counts have been variable and erratic from well to well and quarter to quarter. In the Third Quarter 2009, total coliform exceeded the interim limitations in eight of the 22 Mosssdale wells sampled and six of the 13 River Islands wells, which is typical of background conditions. Historical variability in total coliform results in duplicate samples suggests potential limitations with analytical reproducibility. Total coliform exceeded the interim limitations in one Mosssdale well (MWM-3) and three River Islands wells. Total coliform results for these wells have been quite variable over time. Because total coliform results for these wells have been variable historically and only one of these wells (MWM-3) is near active storage ponds or land application areas, we conclude that these exceedances are the result of data variability rather than recycled water storage and application.

⁷ City of Lathrop Background Groundwater Study Quality Report, Membrane Bioreactor Wastewater Recycling Plant, Order No. R5-2006-0094, February 27, 2009.

- Iron concentrations exceed the interim limitations in one WRP-1 well and five River Islands wells. Concentrations in two River Islands wells (MWR-25 and MWR-26) were the highest ever observed. Since no recycled water has been applied in the River Islands area, these concentrations are representative of background conditions. Iron concentrations did not exceed the recommended final limitation in any well.
- Boron concentrations exceeded the interim limitations in six of 22 Mossdale wells and three of the five WRP-1 wells. Of the samples that exceed the interim limitation for boron, all were within the historical range of observations. Boron concentrations did not exceed the recommended final limitation in any well and represent background conditions.
- Nitrate nitrogen concentrations exceeded the interim limitations in one of 22 Mossdale wells, three of five WRP-1 wells, both Pond S6 wells, and one of the 13 River Islands wells. Of the samples that exceeded the interim limitation for nitrate, only the concentration in well MBRMW-3 exceed the previous historical range of observations. None exceeded the recommended final limitations.
- The chloroform concentration in WRP-1 well MBRMW-1 (0.0061 mg/L) exceeded the interim and recommended final groundwater limitation (0.0011 mg/L). The high chloroform concentration in this well is believed to be due to a previous leak from Pond S4 which has now been repaired.⁸

⁸ Monthly Monitoring Report for November 2007, City of Lathrop Wastewater Treatment Facility, December 20, 2007; Monthly Monitoring Report for April 2008, City of Lathrop Wastewater Treatment Facility, May 27, 2008.

TABLE 6
RESULTS OF THIRD QUARTER 2009 SAMPLING

Site ID	Sample Date	pH	Total Coliform	EC	TDS	Hardness	Calcium	Magnesium	Potassium	Sodium	Iron	Manganese	Bromide	Chloride	Sulfate
			MPN/100 mL	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Interim Limitation		6.5-8.4	<2.2		450					69	0.3	0.05		106	
<i>Mossdale</i>															
<i>Pond S1, S2, and S3 Zone</i>															
Recommended Limitation		6.3-8.4	160		2,200					320	0.75	4.5		770	
MWM-01	7/29/2009	6.58	<2	1,104	710	290	87	18	2	146	<0.05	0.06	0.26	119	151
MWM-02	7/29/2009	7.33	<2	1,614	1,080	510	144	36	2	154	<0.05	0.01	0.46	94	360
MWM-03	7/29/2009	7.38	220	1,358	800	320	82	27	2	167	0.11	0.32	0.36	162	173
MWM-04	7/29/2009	7.28	30	2,483	1,450	400	106	32	2	420	<0.05	<0.01	0.71	440	190
MWM-05	7/29/2009	7.42	4	1,967	1,040	540	134	49	3	157	0.12	1.05	0.45	307	194
MWM-09	8/3/2009	7.06	<2	1,095	550	230	59	21	2	137	<0.05	0.70	0.25	100	46
<i>Land Application Area A23 Zone</i>															
Recommended Limitation		6.5-8.4	105		4,200					1,500	0.3	45		1,900	
MWM-11	8/3/2009	7.13	4	5,092	3,330	1300	235	174	5	778	0.06	0.46	3.16	1,490	310
MWM-12	7/29/2009	7.74	<2	4,826	3,130	250	32	41	2	1,050	0.07	<0.01	2.58	1,150	270
MWM-12 (D)	7/29/2009	7.74	2	4,826	2,770	250	32	41	2	1,020	0.09	<0.01	2.59	1,160	280
MWM-13	8/3/2009	8.26	<2	3,661	2,270	330	57	46	2	861	<0.05	0.09	2.01	620	400
<i>Medians & Landscaping Zone</i>															
Recommended Limitation		6.4-8.4	13		4,300					1,300	0.3	3.9		1,300	
MWM-14	7/30/2009	7.23	130	1,360	795	360	90	33	2	141	<0.05	0.90	0.39	181	126
MWM-15	7/30/2009	7.12	23	2,407	1,490	390	80	46	3	426	<0.05	0.04	1.15	380	203
MWM-16	7/30/2009	7.11	2	1,515	1,060	440	93	51	2	252	<0.05	0.66	0.39	131	146
MWM-17	7/30/2009	7.98	>1,600	3,010	1,990	90	18	12	2	801	<0.05	0.04	0.60	240	250
MWM-19	7/30/2009	7.97	<2	4,260	2,690	160	19	28	3	930	<0.05	0.05	2.59	770	340
MWM-20	7/30/2009	8.03	<2	2,324	1,460	530	80	80	1	368	<0.05	0.13	0.80	340	250
MWM-20 (D)	7/30/2009	8.03	<2	2,324	1,500	520	80	79	1	362	<0.05	0.12	0.82	350	250
MWM-21	7/28/2009	8.20	<2	3,371	2,140	620	135	68	3	587	0.07	1.47	2.31	500	460
MWM-21 (D)	7/28/2009	8.20	<2	3,371	2,130	620	137	68	3	596	0.09	1.46	2.22	520	470
MWM-22	7/28/2009	8.15	4	1,356	840	430	116	35	2	136	<0.05	0.67	0.44	174	153
MWM-23	7/28/2009	7.60	2	2,407	1,450	200	44	21	2	476	<0.05	0.34	1.73	360	350
MWM-24	7/28/2009	7.44	<2	719	450	230	56	23	<1	63	<0.05	<0.01	0.17	74	53
MWM-25	7/28/2009	8.11	<2	1,672	1,020	400	71	54	1	244	0.06	0.68	0.43	192	157
MWM-26	7/28/2009	8.34	<2	3,060	1,880	370	43	64	2	599	0.06	0.24	3.27	470	460
MWM-27	7/30/2009	7.21	<2	1,685	890	460	117	42	5	129	<0.05	1.29	0.50	270	135

NA denotes "not analyzed".

D denotes duplicate sample.

Numbers in BOLD font and gray background exceed interim limitation.

Numbers in italics exceed recommended final limitation.

TABLE 6 (cont.).
RESULTS OF THIRD QUARTER 2009 SAMPLING

Site ID	Sample Date	pH	Total Coliform	EC	TDS	Hardness	Calcium	Magnesium	Potassium	Sodium	Iron	Manganese	Bromide	Chloride	Sulfate
			MPN/100 mL	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Interim Limitation			6.5-8.4	<2.2	450					69	0.3	0.05		106	
<i>WRP- 1 Water Recycling Plant</i>															
Recommended Limitation			6.1-10.1	11	4,200					920	120	6.6		470	
MBRMW-1	7/27/2009	7.64	<2	1,655	930	110	29	10	2	306	<0.05	<0.01	0.17	286	87
MBRMW-2	7/27/2009	7.88	<2	1,541	970	150	36	14	2	310	<0.05	0.6	0.17	63	310
MBRMW-3	7/27/2009	7.27	<2	2,735	1,790	170	37	19	2	612	<0.05	<0.01	0.44	170	290
MBRMW-3 (D)	7/27/2009	7.27	<2	2,735	1,770	170	36	19	2	614	<0.05	<0.01	0.45	170	290
MBRMW-4	7/27/2009	7.89	<2	2,741	1,740	70	14	8	1	577	<0.05	0.13	0.76	230	580
KMW-4	2/27/2009	6.58	1.1	3,222	2,500	NA	NA	NA	NA	482	0.32	1.17	NA	320	NA
<i>Pond S6</i>															
Recommended Limitation			6.5-8.4	7.2	1,800					330	0.3	0.46		150	
RMW-4	7/27/2009	7.53	<2	1,221	760	390	72	51	2	114	<0.05	<0.01	0.08	62	91
RMW-5	7/27/2009	7.69	<2	928	580	310	82	26	4	67	<0.05	<0.01	0.16	54	45
<i>River Islands</i>															
<i>Land Application Area A28 Zone</i>															
Recommended Limitation			5.6-8.4	33	8,100					800	99	33		3,300	
MWR-03	8/5/2009	6.34	4	1,932	1,150	440	101	46	4	201	0.91	4.78	0.12	346	270
MWR-23	8/3/2009	6.86	<2	4,158	2,610	1,240	254	147	2	452	0.07	1.13	2.26	960	650
MWR-24	8/3/2009	7.81	11	7,795	3,830	2,770	635	288	7	713	50	19.7	5.05	2,060	1210
MWR-24 (D)	8/3/2009	7.81	14	7,795	5,350	2,770	644	284	7	709	50.1	20.1	4.77	2,120	1230
MWR-25	8/3/2009	7.54	<2	2,955	2,600	850	187	94	3	280	2.72	11.0	1.87	770	274
MWR-26	8/5/2009	6.78	<2	1,798	1,080	480	98	57	3	200	4.95	0.28	0.57	314	240
<i>Land Application Areas A30 & A31 Zone</i>															
Recommended Limitation			6.1-8.4	13	5,500					480	9.7	30		1,900	
MWR-11	8/4/2009	7.00	500	1,722	1,070	490	116	48	3	194	0.08	0.04	0.93	366	197
MWR-12	8/4/2009	7.17	110	1,762	1,140	510	123	50	2	193	0.08	0.03	1.02	390	206
MWR-27	8/5/2009	6.98	<2	3,383	2,020	1,370	315	141	4	192	<0.05	2.96	1.62	790	330
MWR-28	8/4/2009	6.95	1,600	5,138	3,780	1,910	440	197	7	447	0.12	11.7	3.25	1,380	830
MWR-28 (D)	8/4/2009	6.95	>1,600	5,138	3,510	1,890	435	196	6	437	0.12	12.0	3.22	1,380	830
MWR-29	8/4/2009	7.10	<2	2,434	1,630	900	234	77	4	191	6.1	6.15	0.80	410	370
MWR-30	8/4/2009	6.94	2	3,468	2,570	1,610	415	139	5	193	0.13	9.50	1.50	760	580
MWR-31	8/5/2009	6.86	<2	6,057	4,300	2,520	580	261	7	380	<0.05	29.0	3.92	1,550	1370
MWR-32	8/4/2009	6.59	7	3,820	2,880	1,500	375	137	7	311	0.13	9.78	2.00	930	590
DS-1	8/5/2009	7.75	>1,600	1,505	790	390	92	40	4	144	0.08	0.29	0.70	272	146
DS-2	8/5/2009	7.57	>1,600	1,408	840	390	93	39	4	135	<0.05	0.36	0.68	264	141

NA denotes "not analyzed".

D denotes duplicate sample.

Numbers in BOLD font and gray background exceed interim limitation.

Numbers in italics exceed recommended final limitation.

TABLE 6 (cont.).
RESULTS OF THIRD QUARTER 2009 SAMPLING

Site ID	Boron	Total Kjeldahl Nitrogen	Ammonia as N	NO ₃ +NO ₂ as N	Nitrate as N	Nitrite as N	Total Alkalinity as CaCO ₃	HCO ₃	Bromo-form	Bromo-dichloro-methane	Chloro-form	Dibromo-chloro-methane
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
Interim Limitation	0.7	10	1.5	11	10	1			4	0.27	1.1	0.37
<i>Mossdale</i>												
<i>Pond S1, S2, & S3 Zone</i>												
Recommended Limitation	0.7	10	1.5	11	11				4	0.27	1.1	0.37
MWM-01	0.4	<0.5	<0.1	0.8	0.8	NA	290	350	<0.058	<0.053	<0.10	<0.058
MWM-02	0.3	<0.5	<0.1	8.8	8.8	NA	340	420	<0.058	<0.053	<0.10	<0.058
MWM-03	0.3	<0.5	<0.1	<0.1	<0.1	NA	270	330	<0.058	<0.053	<0.10	<0.058
MWM-04	0.3	<0.5	<0.1	1.2	1.2	NA	470	580	<0.058	<0.053	<0.10	<0.058
MWM-05	0.2	<0.5	<0.1	<0.1	<0.1	NA	250	310	<0.058	<0.053	<0.10	<0.058
MWM-09	0.2	0.70	<0.1	<0.1	<0.1	NA	280	340	<0.058	<0.053	<0.10	<0.058
<i>Land Application Area A23 Zone</i>												
Recommended Limitation	1.4	10	1.5	11	10				4	0.27	1.1	0.37
MWM-11	0.6	0.70	<0.1	0.2	0.2	NA	500	620	<0.058	<0.053	<0.10	<0.058
MWM-12	0.9	<0.5	<0.1	2.3	2.3	NA	650	790	<0.14	<0.18	0.621	<0.084
MWM-12 (D)	0.9	<0.5	<0.1	2.3	2.3	NA	620	760	<0.14	<0.18	0.294	<0.084
MWM-13	0.6	<0.5	<0.1	3.8	3.8	NA	660	810	<0.058	<0.053	<0.10	<0.058
<i>Medians & Landscaping Zone</i>												
Recommended Limitation	2.4	10	1.5	44	48				4	0.27	1.1	0.37
MWM-14	0.4	0.238	<0.1	2.5	2.5	NA	290	350	<0.058	<0.053	<0.10	<0.058
MWM-15	0.5	0.212	<0.1	1.6	1.6	NA	560	690	<0.058	<0.053	<0.10	<0.058
MWM-16	0.9	<0.5	<0.1	9.4	9.4	NA	570	690	<0.058	<0.053	<0.10	<0.058
MWM-17	1.4	0.342	<0.1	2.1	2.1	NA	1,180	1,440	<0.058	<0.053	<0.10	<0.058
MWM-19	1.4	0.361	<0.1	1.1	1.1	NA	850	1,040	<0.058	<0.053	<0.10	<0.058
MWM-20	0.7	0.22	<0.1	2.4	2.4	NA	620	760	<0.058	<0.053	<0.10	<0.058
MWM-20 (D)	0.7	<0.5	<0.1	2.5	2.5	NA	620	760	<0.058	<0.053	<0.10	<0.058
MWM-21	1.2	<0.5	<0.1	10.9	10.9	NA	650	800	<0.14	<0.18	<0.077	<0.084
MWM-21 (D)	1.2	<0.5	<0.1	11	11	NA	650	790	<0.14	<0.18	<0.077	<0.084
MWM-22	0.4	<0.5	<0.1	1.0	1.0	NA	320	400	<0.14	<0.18	<0.077	<0.084
MWM-23	0.7	<0.5	<0.1	2.2	2.2	NA	370	450	<0.14	<0.18	<0.077	<0.084
MWM-24	0.2	<0.5	<0.1	0.4	0.4	NA	220	270	<0.14	<0.18	<0.077	<0.084
MWM-25	0.6	<0.5	<0.1	0.6	0.6	NA	480	580	<0.14	<0.18	<0.077	<0.084
MWM-26	0.9	<0.5	<0.1	0.4	0.4	NA	520	630	<0.14	<0.18	<0.077	<0.084
MWM-27	0.3	0.344	<0.1	9.7	9.4	NA	230	280	<0.058	<0.053	<0.10	<0.058

NA denotes "not analyzed".

D denotes duplicate sample.

Numbers in BOLD font and gray background exceed interim limitation.

Numbers in italics exceed recommended final limitation.

TABLE 6 (cont.).
RESULTS OF THIRD QUARTER 2009 SAMPLING

Site ID	Boron	Total Kjeldahl Nitrogen	Ammonia as N	NO ₃ +NO ₂ as N	Nitrate as N	Nitrite as N	Total Alkalinity as CaCO ₃	HCO ₃	Bromo-form	Bromo-dichloro-methane	Chloro-form	Dibromo-chloro-methane
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
Interim Limitation	0.7	10	1.5	11	10	1			4	0.27	1.1	0.37
<i>WRP- 1 Water Recycling Plant</i>												
Recommended Limitation	2.0	30	1.5	128	128				4	0.27	1.1	0.37
MBRMW-1	0.5	<0.5	<0.1	2.3	2.3	NA	300	360	<0.14	<0.18	6.08	<0.084
MBRMW-2	0.6	<0.5	<0.1	1.6	1.6	NA	400	490	<0.14	<0.18	<0.077	<0.084
MBRMW-3	1.2	<0.5	<0.1	14.3	14.3	NA	940	1,150	<0.14	<0.18	<0.077	<0.084
MBRMW-3 (D)	1.2	1.41	<0.1	14.2	14.2	NA	940	1,150	<0.14	<0.18	<0.077	<0.084
MBRMW-4	1.1	<0.5	<0.1	11	10.6	NA	490	590	<0.14	<0.18	<0.077	<0.084
KMW-4	1.5	<0.5	<0.1	52.0	52.0	NA	NA	NA	<1	<0.5	<0.5	<1
<i>Pond S6</i>												
Recommended Limitation	0.7	10	1.5	31	31				4	0.27	1.1	0.37
RMW-4	0.3	<0.5	<0.1	14.4	14.4	NA	420	510	<0.14	<0.18	<0.077	<0.084
RMW-5	0.3	<0.5	<0.1	18.3	18.3	NA	290	350	<0.14	<0.18	<0.077	<0.084
<i>River Islands</i>												
<i>Land Application Area A28 Zone</i>												
Recommended Limitation	0.83	10	2	79	79				4	0.27	1.1	0.37
MWR-03	0.5	1.8	0.5	<0.1	<0.1	NA	130	150	<0.058	<0.053	<0.10	<0.058
MWR-23	0.4	<0.5	<0.1	13.5	13.4	NA	190	230	<0.058	<0.053	<0.10	<0.058
MWR-24	0.2	<0.5	<0.1	<0.1	<0.1	NA	180	220	<0.058	<0.053	<0.10	<0.058
MWR-24 (D)	0.2	<0.5	<0.1	<0.1	<0.1	NA	180	220	<0.058	<0.053	<0.10	<0.058
MWR-25	0.2	0.417	<0.1	<0.1	<0.1	NA	150	190	<0.058	<0.053	<0.10	<0.058
MWR-26	0.6	<0.5	<0.1	<0.1	<0.1	NA	210	260	<0.058	<0.053	<0.10	<0.058
<i>Land Application Areas A30 & A31 Zone</i>												
Recommended Limitation	1.0	10	1.5	14	14				4	0.27	1.1	0.37
MWR-11	0.6	<0.5	<0.1	<0.1	<0.1	NA	180	220	<0.058	<0.053	<0.10	<0.058
MWR-12	0.5	<0.5	<0.1	1.5	1.5	NA	160	200	<0.058	<0.053	<0.10	<0.058
MWR-27	0.2	0.8	<0.1	1.9	1.9	NA	260	310	<0.058	<0.053	<0.10	<0.058
MWR-28	0.5	0.6	<0.1	0.2	0.2	NA	370	450	<0.058	<0.053	<0.10	<0.058
MWR-28 (D)	0.5	1.0	<0.1	0.2	0.2	NA	370	450	<0.058	<0.053	<0.10	<0.058
MWR-29	0.3	<0.5	<0.1	<0.1	<0.1	NA	370	450	<0.058	<0.053	<0.10	<0.058
MWR-30	0.1	<0.5	<0.1	0.1	0.1	NA	360	440	<0.058	<0.053	<0.10	<0.058
MWR-31	0.1	<0.5	<0.1	<0.1	<0.1	NA	290	350	<0.058	<0.053	<0.10	<0.058
MWR-32	0.2	<0.5	<0.1	<0.1	<0.1	NA	310	370	<0.058	<0.053	<0.10	<0.058
DS-1	0.4	0.6	<0.1	2.4	2.4	NA	130	160	<0.058	<0.053	<0.10	<0.058
DS-2	0.4	0.8	<0.1	4.8	4.7	NA	140	170	<0.058	<0.053	<0.10	<0.058

NA denotes "not analyzed".

D denotes duplicate sample.

Numbers in BOLD font and gray background exceed interim limitation.

Numbers in italics exceed recommended final limitation.

Table 7 provides a detailed comparison of each parameter and constituent to the interim groundwater limitations. Since effluent water storage has been limited to Ponds S1, S2, S4, and S5 and effluent has been applied only to Land Application Area A23, most samples represent background water quality conditions. Concentrations for a number of samples exceed the interim groundwater limitations indicating, therefore, that background groundwater quality exceeds WDR interim water quality limitations.

Table 7. Third Quarter 2009 Well-Water Samples with Concentrations Exceeding the Interim Limitations.					
	Mossdale	WRP-1	Pond S6	River Islands	Total
<i>Constituent</i>	22 wells 3 duplicates	5 wells 1 duplicate	2 wells No duplicates	13 wells 2 duplicates	42 wells 6 duplicates
pH	0/25	0/6	0/2	0/15	0/48
Boron (mg/L)	8**/25	4*/6	0/2	0/15	12***/48
Chloride (mg/L)	22***/25	5*/6	0/2	15**/15	42***/48
Iron (mg/L)	0/25	1/6	0/2	6*/15	7*/48
Manganese (mg/L)	17**/25	3/6	0/2	13**/15	33***/48
Sodium (mg/L)	24***/25	6*/6	1/2	15**/15	46***/48
Total Coliform Organisms (MPN 100/mL)	8/25	0/6	0/2	8**/15	16**/48
Total Dissolved Solids (mg/L)	24***/25	6*/6	2/2	15**/15	47***/48
Total Kjeldahl Nitrogen (mg/L)	0/25	0/6	0/2	0/15	0/48
Nitrite as N (mg/L) ^a	NA	NA	NA	NA	NA
Nitrate as N (mg/L)	2*/25	4*/6	2/2	1/15	9**/48
Ammonia as N (mg/L)	0/25	0/6	0/2	0/15	0/48
Bromoform (µg/L)	0/25	0/6	0/2	0/15	0/48
Bromodichloromethane (µg/L)	0/25	0/6	0/2	0/15	0/48
Chloroform (µg/L)	0/25	1/6	0/2	0/15	1/48
Dibromochloromethane (µg/L)	0/25	0/6	0/2	0/15	0/48

“*” asterisks identify the number of duplicate samples exceeding the interim limitations.

“NA” is “not analyzed”.

a) Reported as combined value with nitrate.

3.2.1 Total Dissolved Solids (TDS)

Current observed TDS concentrations in groundwater in all monitored areas are generally consistent with TDS concentrations observed prior to WRP-1 start up. Furthermore, only four of the six storage ponds and one land application area have been activated since treatment plant startup in April 2006. Hence, most well water samples represent background groundwater, and the data discussed below indicate background groundwater is characterized by TDS concentrations greater than the interim limitation.

Figures 5a, 5b, 5c, and 5d show TDS isoconcentration lines constructed from the Third Quarter 2009 well water sample results. Data from both the Crossroads

WWTF and WRP-1 monitoring well networks were used to construct the contour lines shown in Figure 5b. The general spatial trends in TDS concentrations represented by these maps are summarized below.

In the Mosssdale wells (Figure 5a), Third Quarter 2009 groundwater TDS concentrations ranged from 450 to 3,330 mg/L, and concentrations in 21 of the 22 wells sampled exceeded the interim groundwater limitation of 450 mg/L. In general, observed TDS concentrations were highest in the central part of the Mosssdale area and the distribution of isoconcentration contours was similar to previous quarters. The TDS concentration in well MWM-4 (1,450 mg/L) slightly exceeded the previous observed high TDS concentration of 1,400 mg/l. The TDS concentrations did not exceed the recommended final limitation in any well and represent background conditions.

Monitoring well MWM-24 is located within currently inactive Land Application Area A8 adjacent to the San Joaquin River. The observed TDS concentrations in MWM-24 samples have been below 1,000 mg/L for all but one quarter. As noted in previous documents submitted to the RWQCB, recycled water discharge adjacent to the river is not planned during the initial period of plant operation.

Beneath WRP-1 (Figure 5b), Third Quarter 2009 TDS concentrations in the six WRP-1 monitoring well samples ranged from 930 to 2,500 mg/L and all samples exceeded the interim groundwater limitation of 450 mg/L. The TDS concentrations generally are highest to the north and west of Ponds S5 and S4, which is down gradient of the ponds consistent with previously reported TDS concentrations. The concentrations in all wells were within the historical range of observations. The TDS concentrations did not exceed the recommended final limitation in any well and represent background conditions.

Beneath Pond S6 (Figure 5c), Third Quarter 2009 TDS concentrations in monitoring well samples ranged from 580 mg/L to 760 mg/L (average of duplicate samples), which exceed the interim groundwater limitation of 450 mg/L. The TDS concentrations of both wells did not exceed the recommended final limitation and represent background groundwater quality conditions.

Beneath River Islands (Figure 5d), Third Quarter 2009 TDS concentrations in monitoring well samples ranged from 1,080 to 4,590 mg/L (average of duplicate samples) and all exceeded the interim groundwater limitation of 450 mg/L. The TDS concentration in well MWR-12 (1,140 mg/L) was the lowest concentration ever observed in this well. The TDS concentrations in all other wells were within the historical range of observations. Because no recycled water has been applied to the River Islands Land Application Areas, these results represent background groundwater quality conditions. The TDS concentrations did not exceed the recommended final limitations in any well.

3.2.2 Nitrogen

Nitrite + Nitrate: Comparison between nitrite + nitrate ($\text{NO}_2 + \text{NO}_3$) and nitrate-only (NO_3) concentrations indicate that almost all of the $\text{NO}_2 + \text{NO}_3$ is in the NO_3 form (Table 6). Therefore, discussion of monitoring results is focused on NO_3 concentrations and distributions. Figures 6a, 6b, 6c, and 6d show NO_3 isoconcentration lines constructed from the Third Quarter 2009 monitoring well water sample results. Data from both the Crossroads WWTF and WRP-1 monitoring well networks were used to construct the contour lines shown on Figure 6b.

In the Mossdale well-water samples, Third Quarter 2009 NO_3 concentrations ranged from below detection to 11 mg/L. The NO_3 concentrations generally are highest in the central area and decrease to the north and south (Figure 6a). The NO_3 concentration in the sample from well MWM-21 (11.0 mg/L, average of duplicate samples) exceeded the interim groundwater limitation of 10 mg/L but was within the historical range of concentrations observed in this well. Hence, this NO_3 concentration is considered representative of background conditions in this well. Concentrations did not exceed the recommended final limitation for NO_3 in any well.

Third Quarter 2009 NO_3 concentrations in the six WRP-1 monitoring well samples ranged from 1.6 to 52 mg/L. The NO_3 concentrations are greatest in groundwater located up-gradient of the storage ponds (Figure 6b). The concentrations in the samples from wells MBRMW-3 (14.2 mg/L, average of duplicate samples), MBRMW-4 (10.6 mg/L) and KMW-4 (52 mg/L) exceeded the interim groundwater limitation for NO_3 of 10 mg/L. Wells MBRMW-4 and KMW4 are both upgradient of the WRP-1 ponds and therefore are representative of background conditions. The NO_3 concentration observed in well MBRMW-3 was the highest ever observed in this well. Nitrate concentrations in all other WRP-1 network wells were within the historical range of concentrations and none (including MBRMW-3) exceeded the recommended final limitations.

Beneath Pond S6, Third Quarter 2009 NO_3 concentrations in the samples from RMW-4 (14.4 mg/L) and RMW-5 (18.3 mg/L) exceeded the interim groundwater limitation of 10 mg/L. The concentration observed in Third Quarter 2009 for RMW-5 was within the range of previously reported concentrations; however, the NO_3 concentration for RMW-4 was the lowest ever measured for the well. Since recycled water has not yet been stored in Pond S6, these results represent background water quality conditions. Concentrations did not exceed the recommended final limitations in either well.

Beneath River Islands, Third Quarter 2009 NO_3 concentrations in well-water samples ranged from below detection to 13.4 mg/L. The spatial distribution of NO_3 concentrations was generally similar to Second Quarter 2009. The NO_3 concentration for MWR-23 (13.4 mg/L) exceeded the interim groundwater

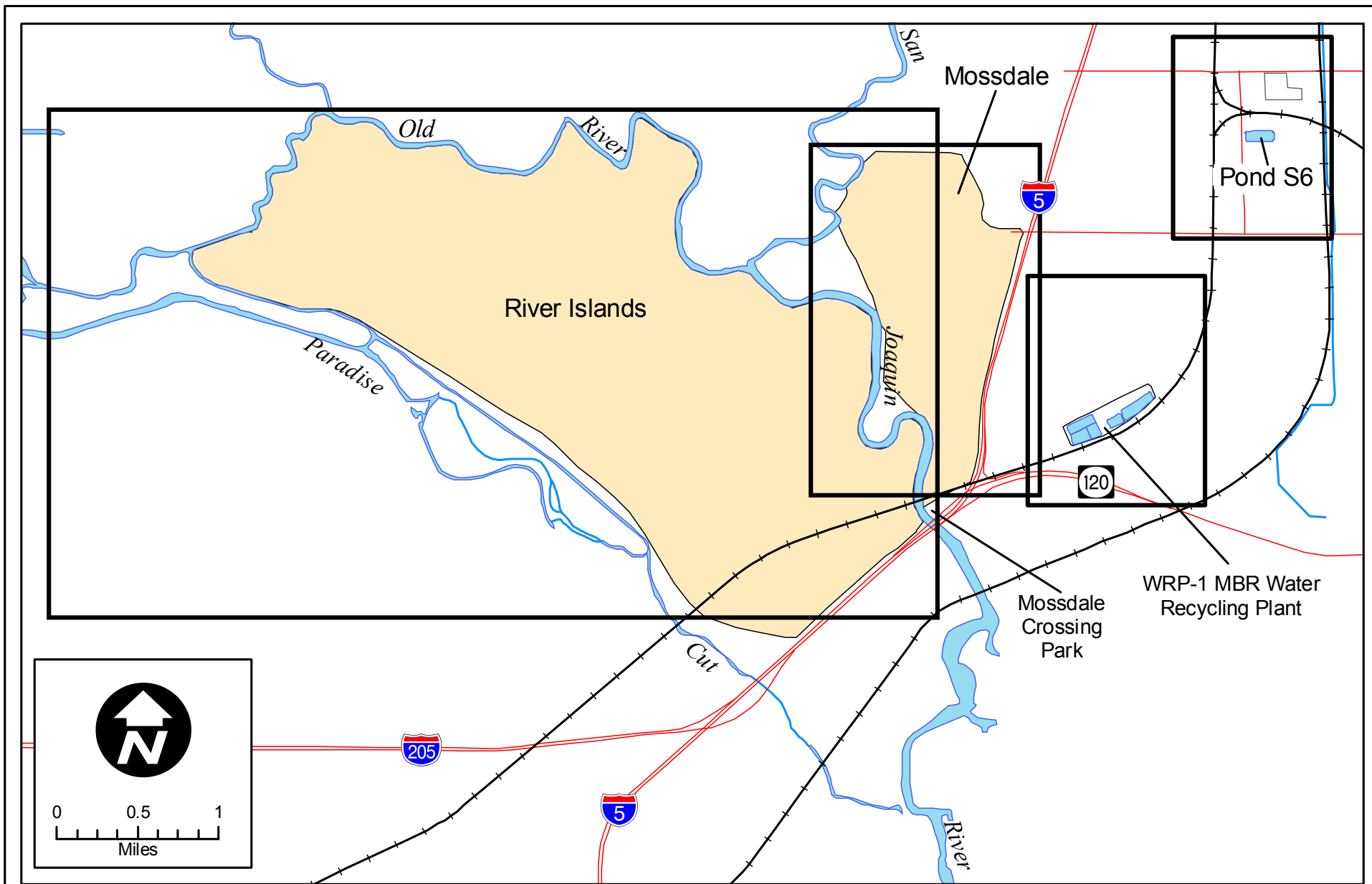
limitation and was the highest concentration ever observed in this well. The NO_3 concentrations in all other wells were within the historical range of observations. Since recycled water has not yet been applied to any River Islands application areas, these sample results represent background water quality conditions. Concentrations did not exceed the recommended final limitations in any well.

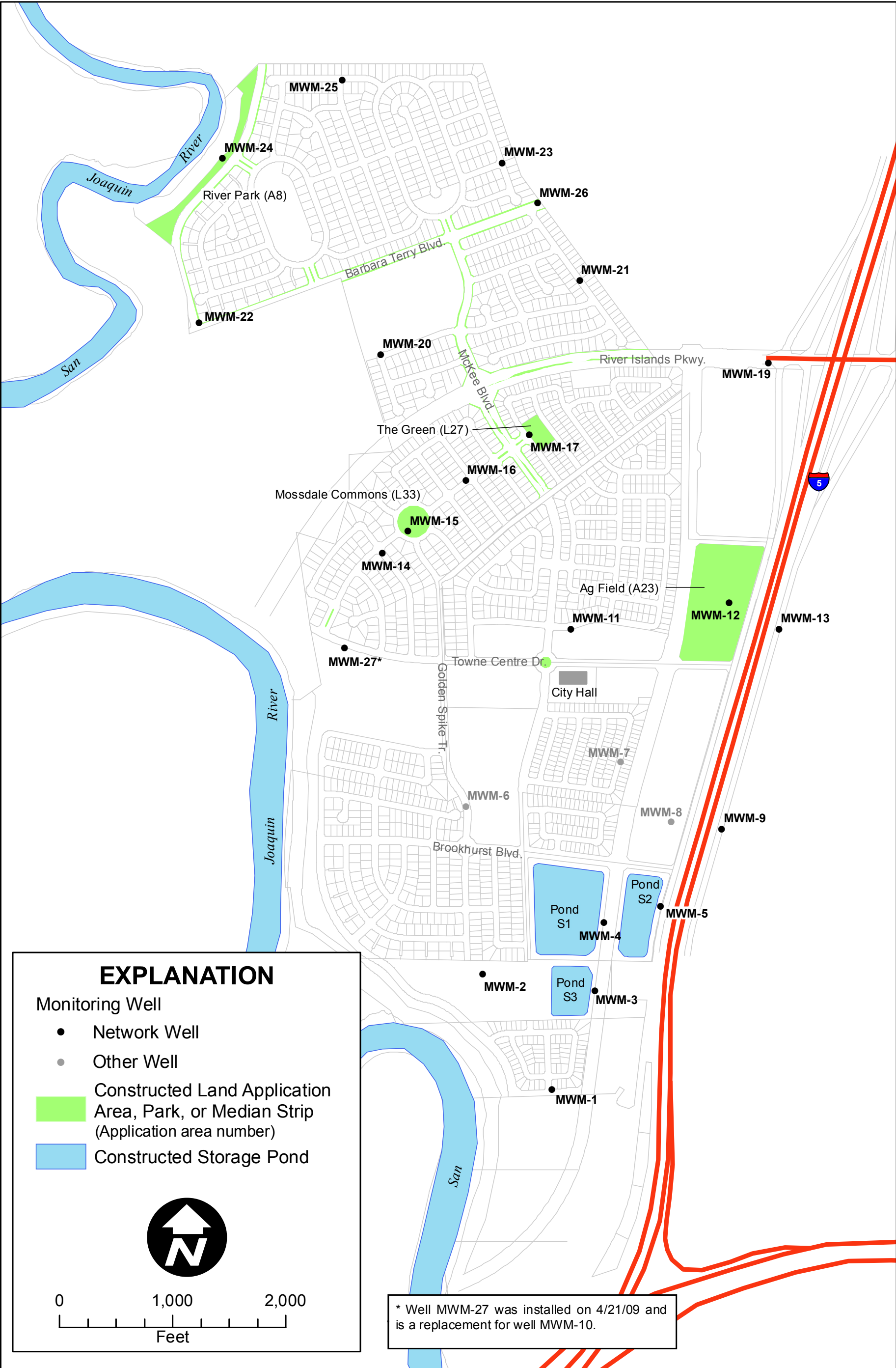
Total Kjeldahl Nitrogen (TKN): The Third Quarter 2009 TKN concentrations are posted on Figures 6a, 6b, 6c, and 6d. Concentrations in all samples were below the interim and recommended final groundwater limitation of 10 mg/L for TKN. Beneath Mosssdale (Figure 6a), TKN concentrations in well-water samples ranged from below the detection limit to 0.70 mg/L. The TKN concentrations in the five WRP-1 network monitoring well samples ranged from below the detection limit to 1.41 mg/L (Figure 6b). The TKN concentrations in Pond S6 monitoring well samples (Figure 6c) were below the detection limit. Beneath River Islands (Figure 6d), TKN concentrations in well-water samples ranged from below the detection limit to 1.8 mg/L. TKN concentrations in all wells were within historical range of observations and did not exceed the recommended final limitations in any well.

Ammonia (NH_3): In the Third Quarter 2009, the NH_3 concentrations in samples from all wells were below the interim groundwater limitation of 1.5 mg/L. In Mosssdale, WRP-1 and Pond S6 wells, NH_3 concentrations were all below the detection limit. In River Islands wells, the NH_3 concentrations ranged from below the detection limit to 0.50 mg/L. The NH_3 concentrations in all wells were within the historical range of observations. Concentrations did not exceed the recommended final limitations in any well.

4.0 Laboratory Reports

All laboratory analytical reports used to prepare this report are included in Appendix E. A discussion of the quality assurance and control assessment of the analytical results is included in Appendix F.





EXPLANATION

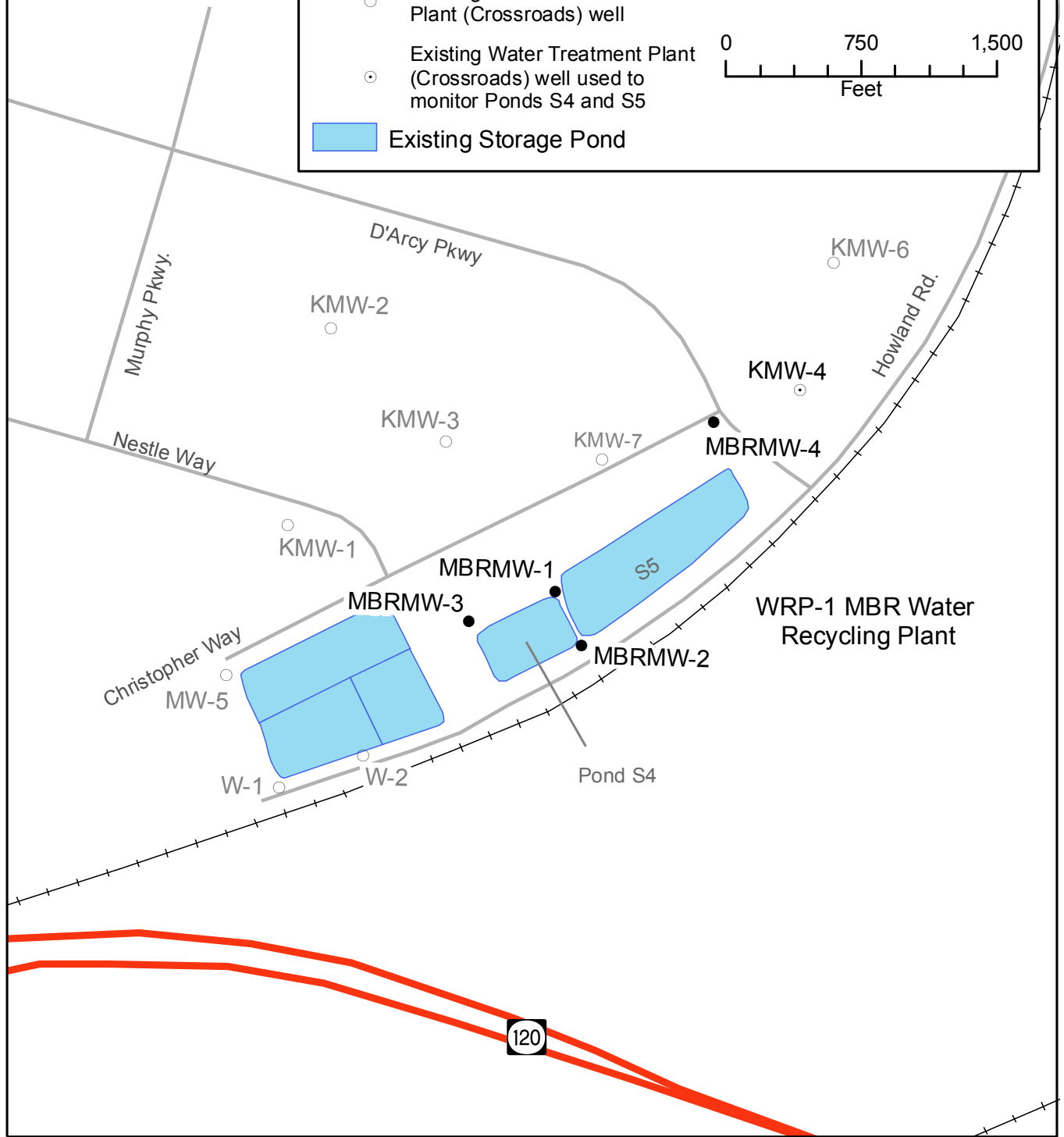
Monitoring Well

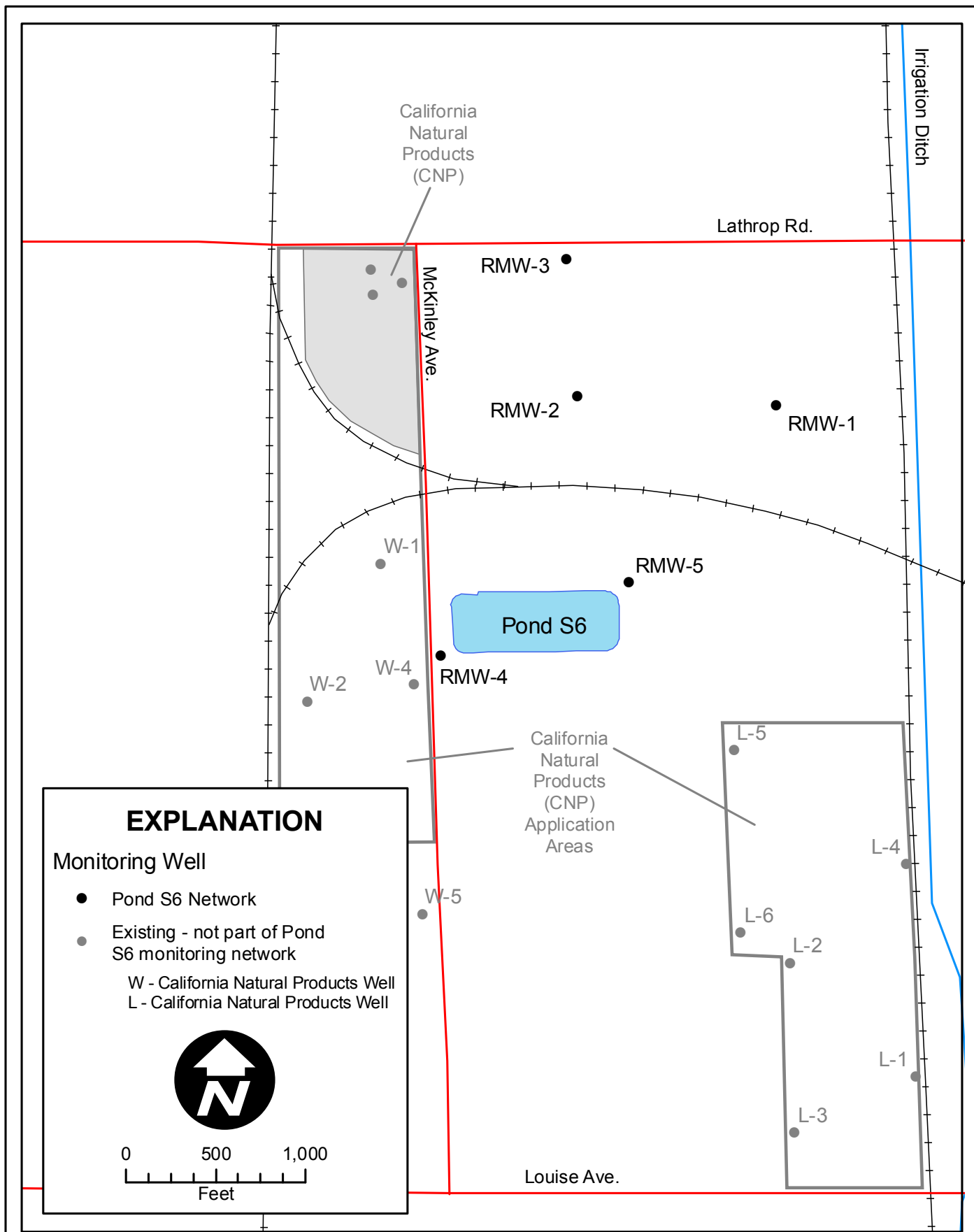
- WRP-1 MBR Water Recycling Plant monitoring well
- Existing Water Treatment Plant (Crossroads) well
- ◉ Existing Water Treatment Plant (Crossroads) well used to monitor Ponds S4 and S5

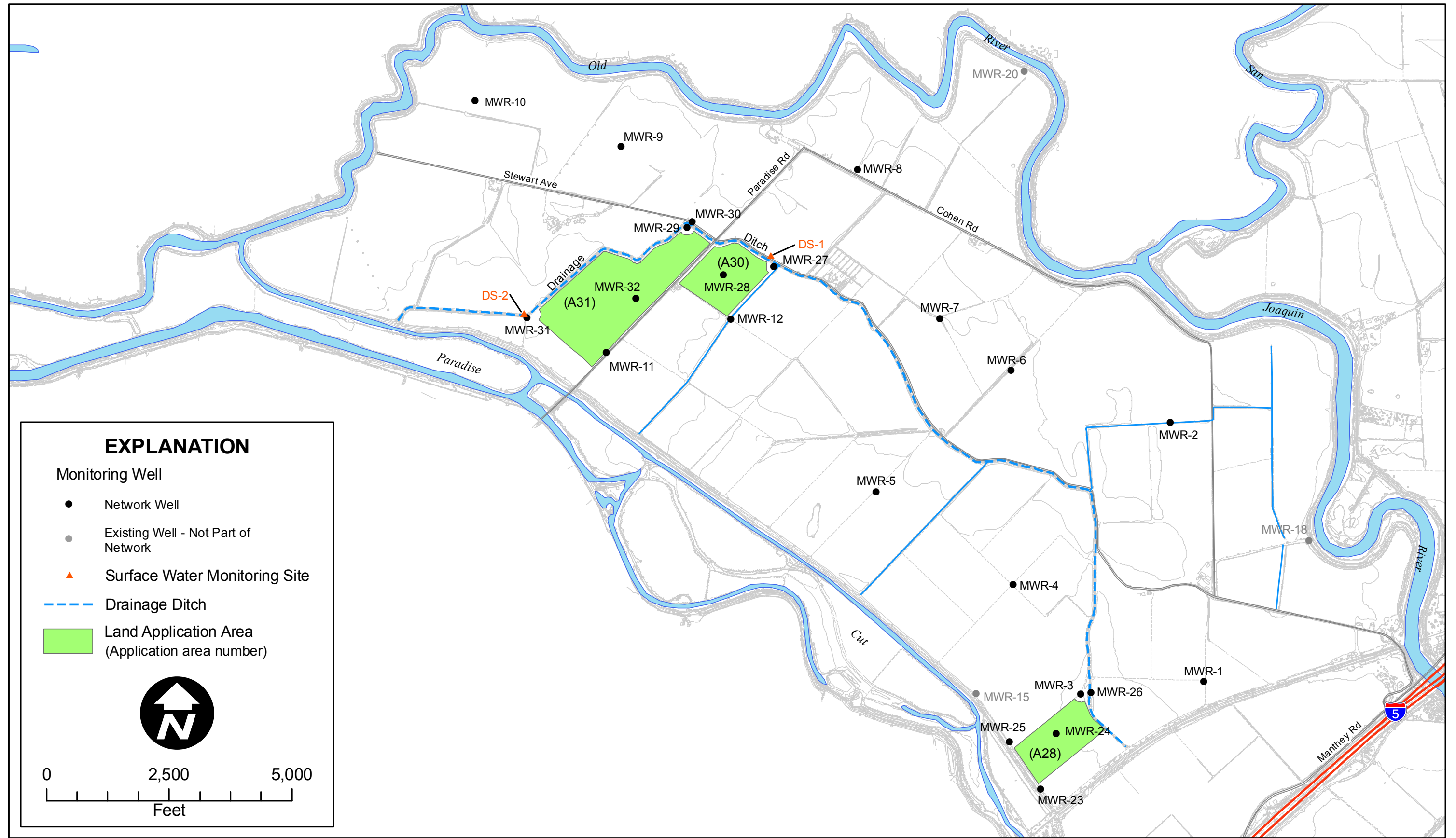
Existing Storage Pond



0 750 1,500
Feet







EXPLANATION

Monitoring Well with Third Quarter 2009
Groundwater Elevation, in ft. (NAVD 88)

5.28 ● WRP-1 Network

9.07 ● Crossroads WWTF Network

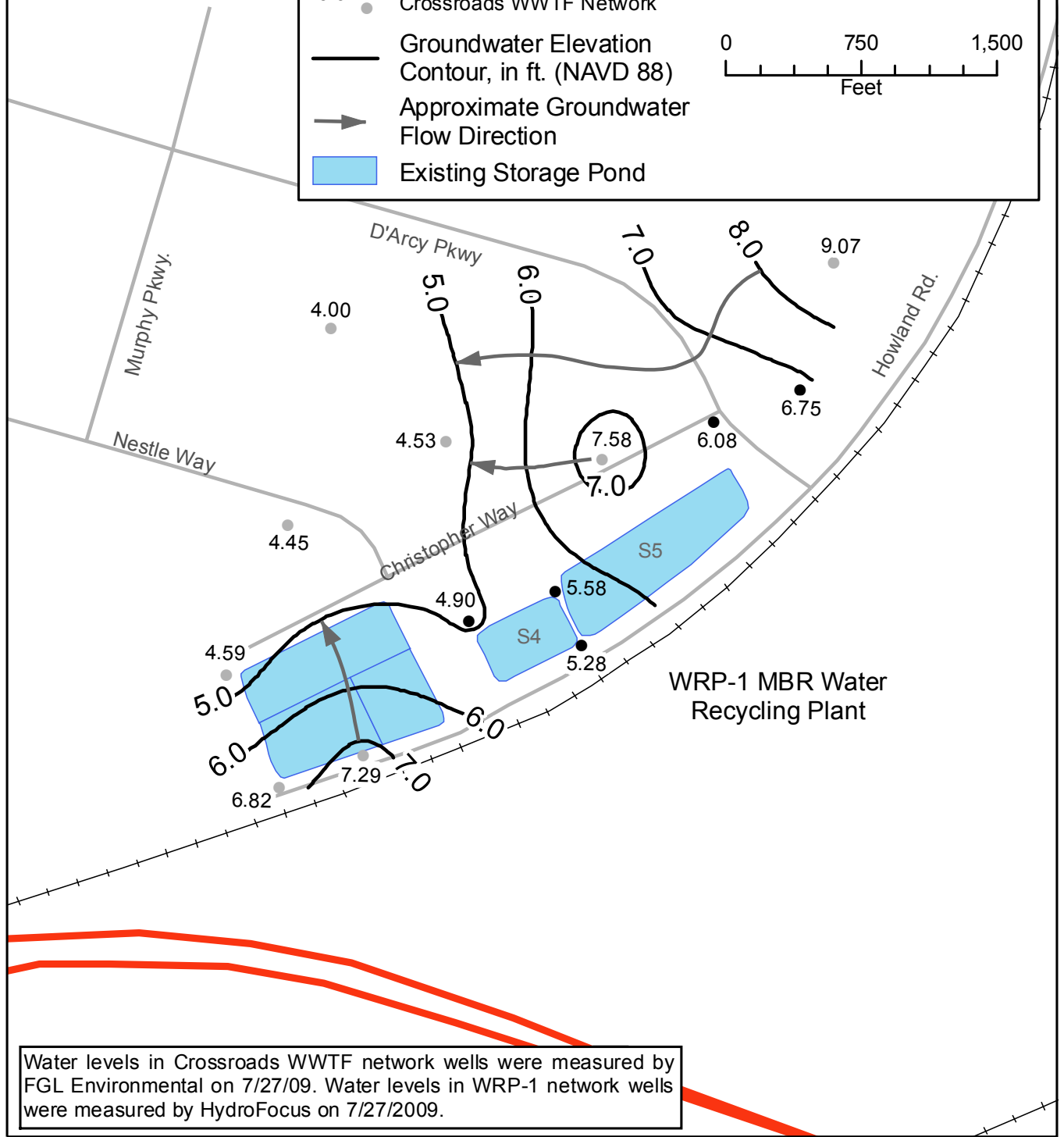
— Groundwater Elevation
Contour, in ft. (NAVD 88)

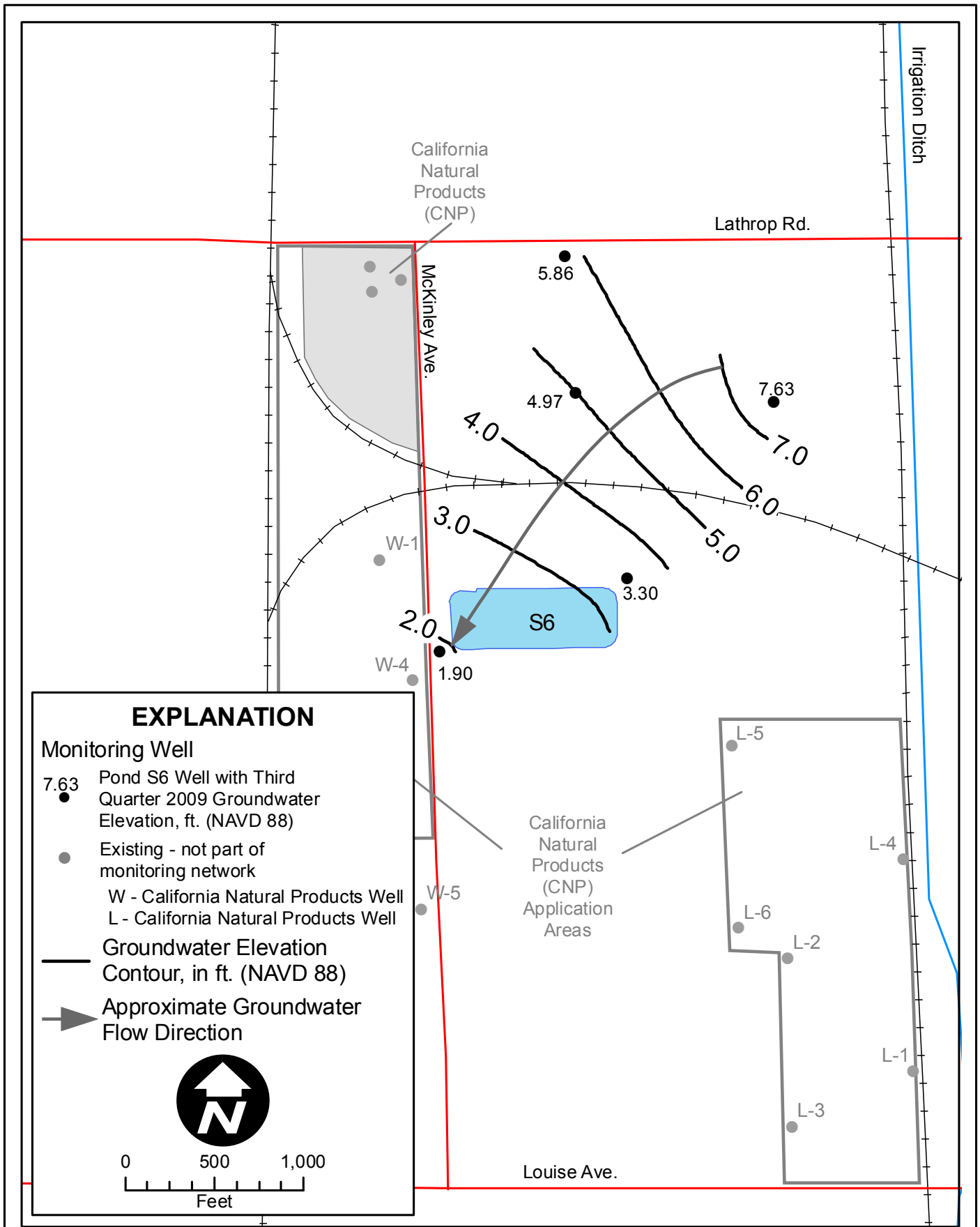
→ Approximate Groundwater
Flow Direction

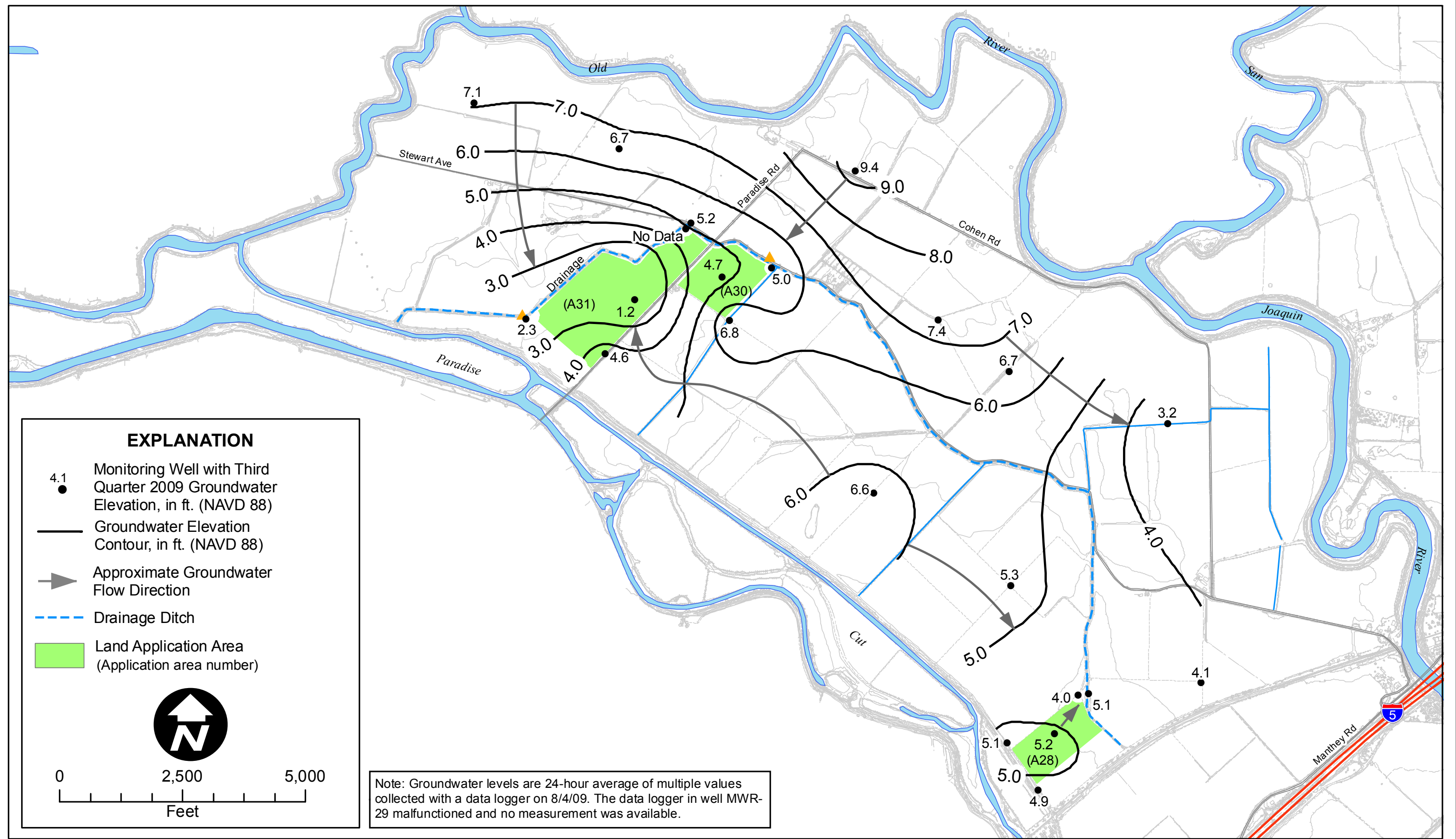
Existing Storage Pond

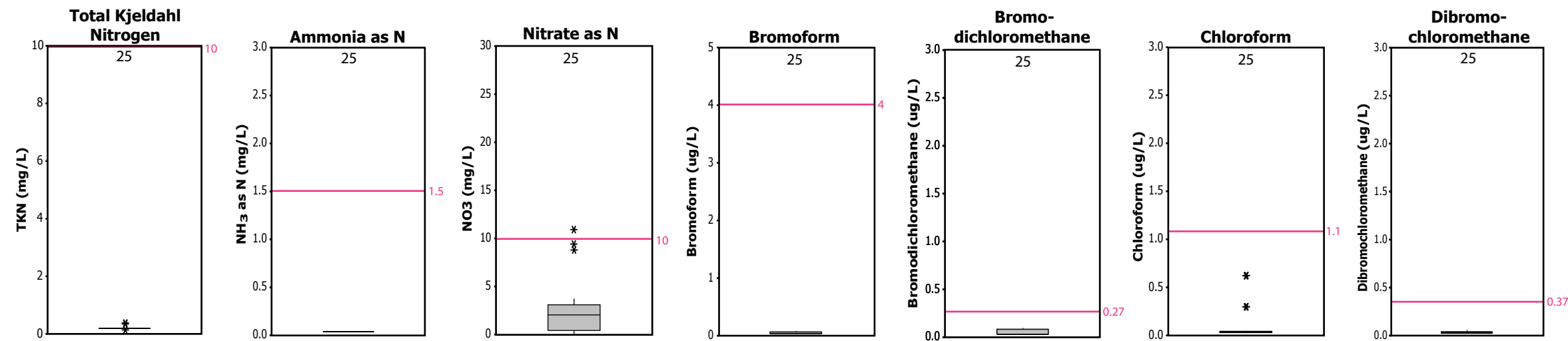
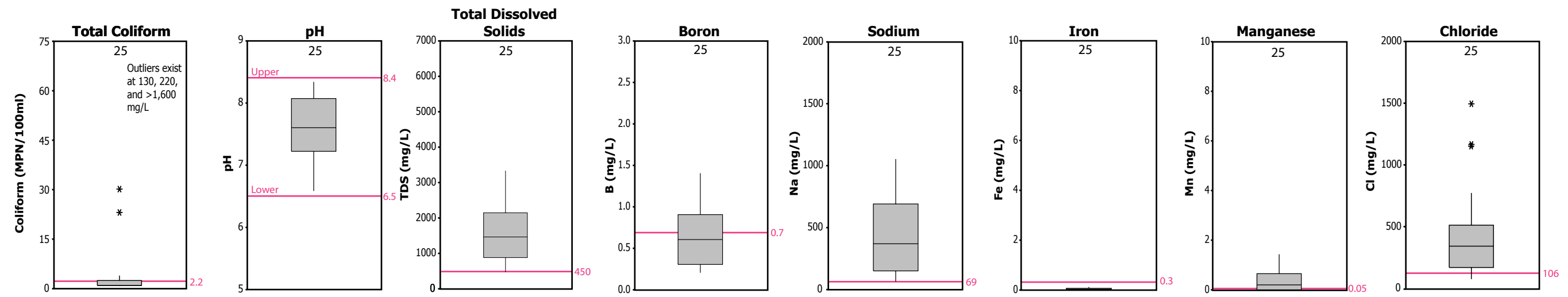


0 750 1,500
Feet









EXPLANATION

- 25: number of samples
- *: outlier
- maximum
- 75th percentile
- median
- 25th percentile
- minimum
- Interim Groundwater Limitation (0.05)

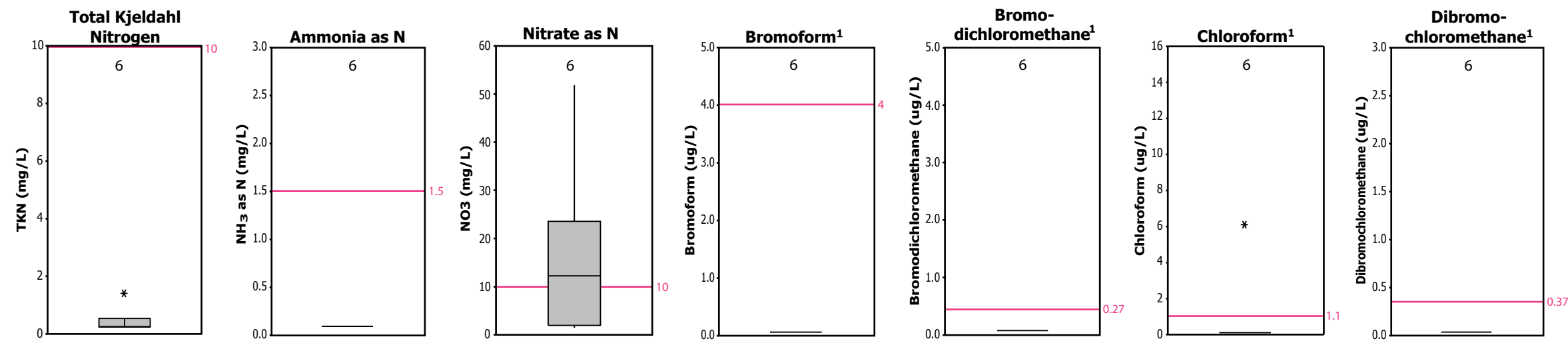
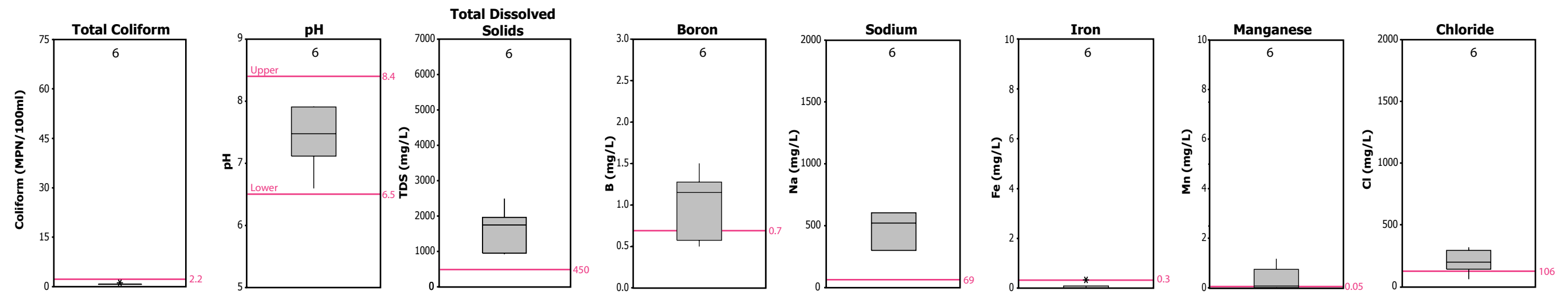
Outliers are those values that plot outside the 25th and 75th percentiles (the box) by more than 1.5 times the interquartile range.

Plots displaying a horizontal line rather than a box represent data sets where the 25th and 75th percentile are equal (i.e. values represented by the box are all less than the detection limit and, therefore, the same).

Note: Pooled data values include duplicate sample results.

Boxplots Summarizing Constituent Concentrations in Mossdale Well Water Samples, Third Quarter 2009.

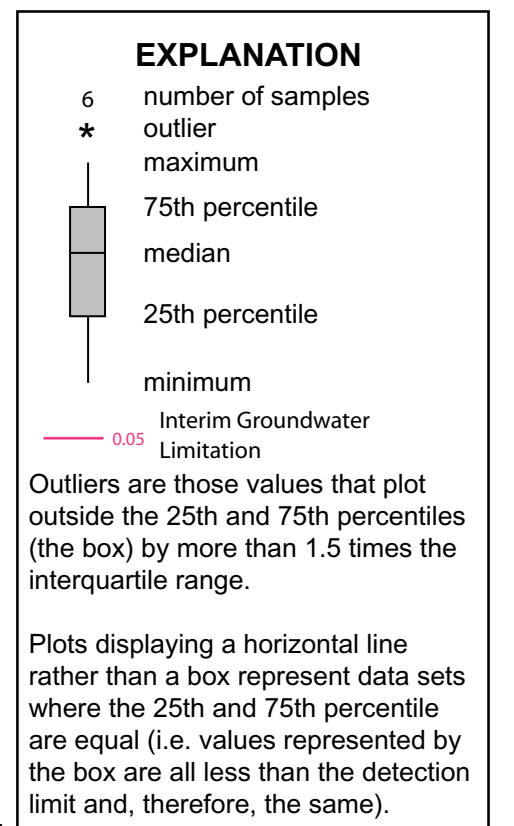
Figure 4(a)

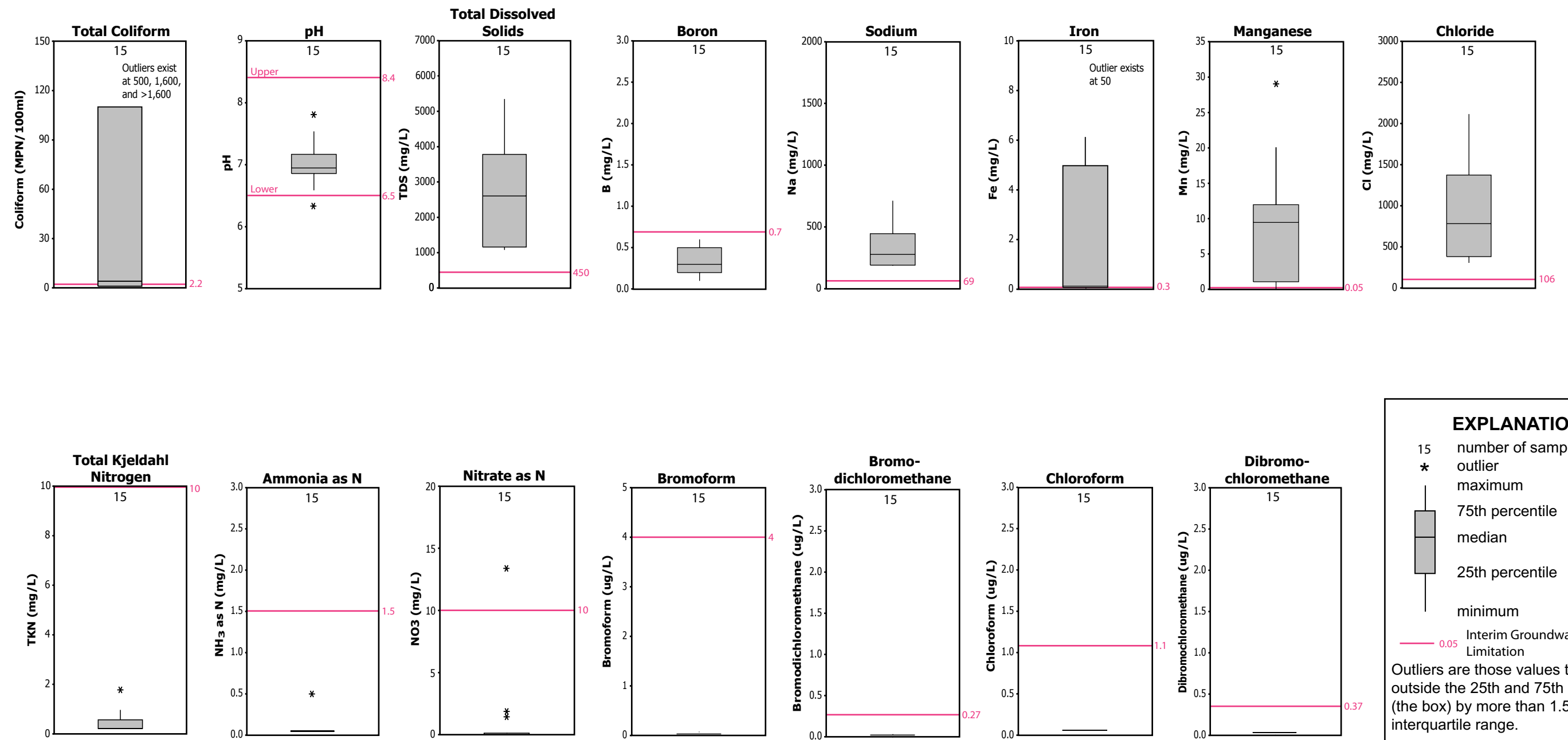


The vertical line inside the box is the result of the maximum value, excluding the outlier, being less than the 75th percentile. This can occur when there is a large outlier and few data points.

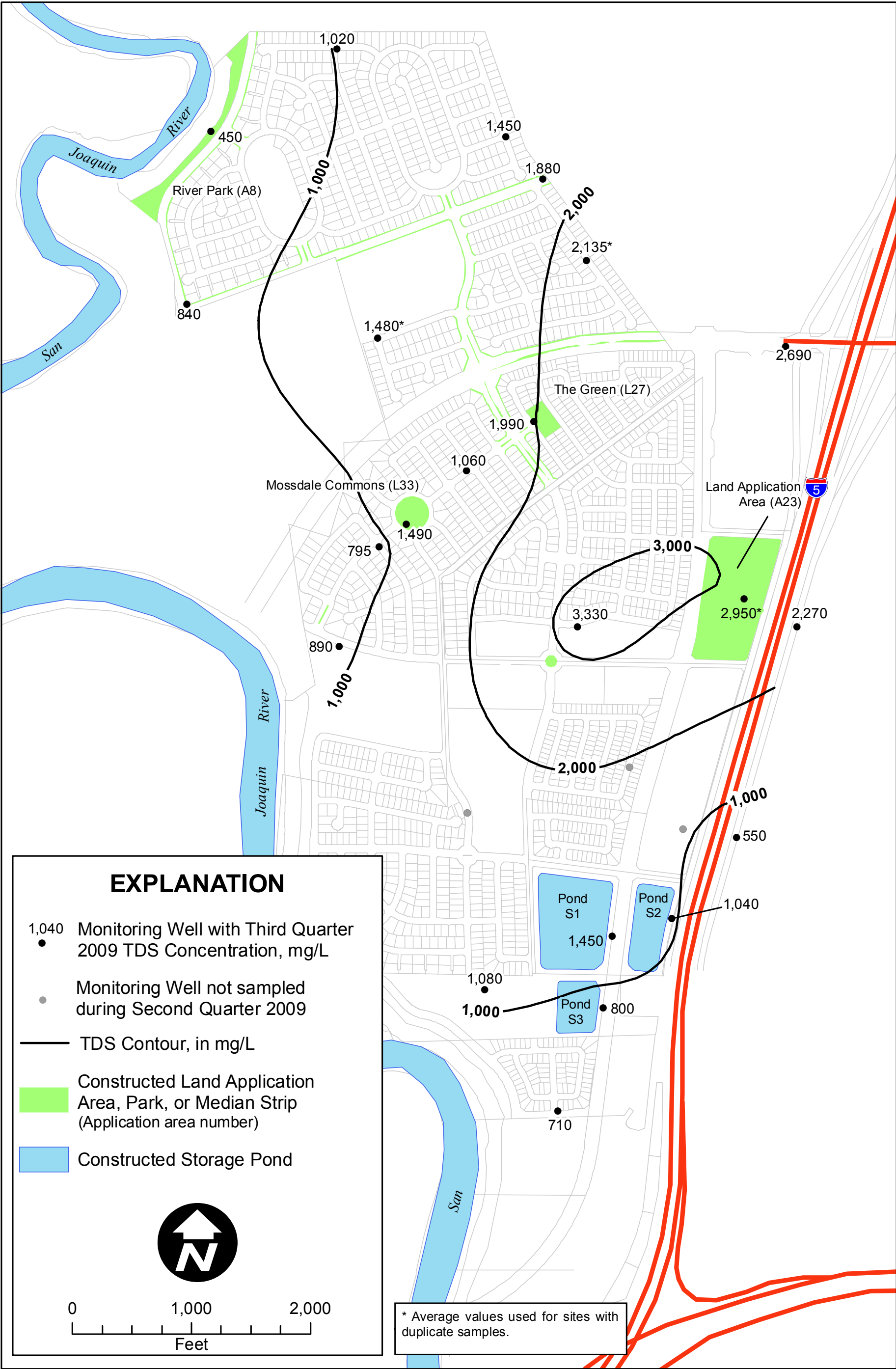
¹Results for well KMW-4 (all non-detect) are not included in boxplot because the detection limit was over five times higher than the detection limit for all other well samples.

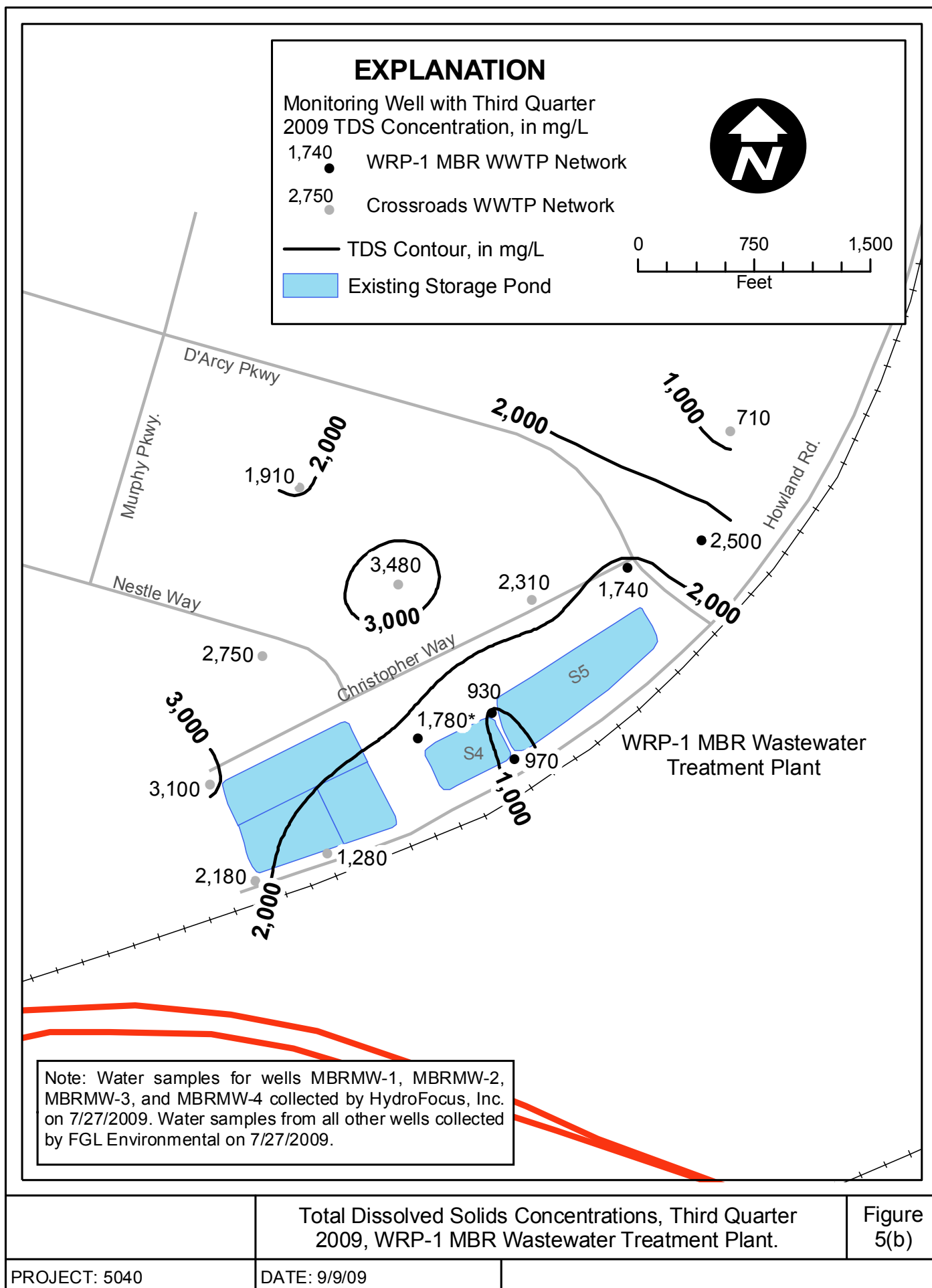
Note: Pooled data values include duplicate sample results.





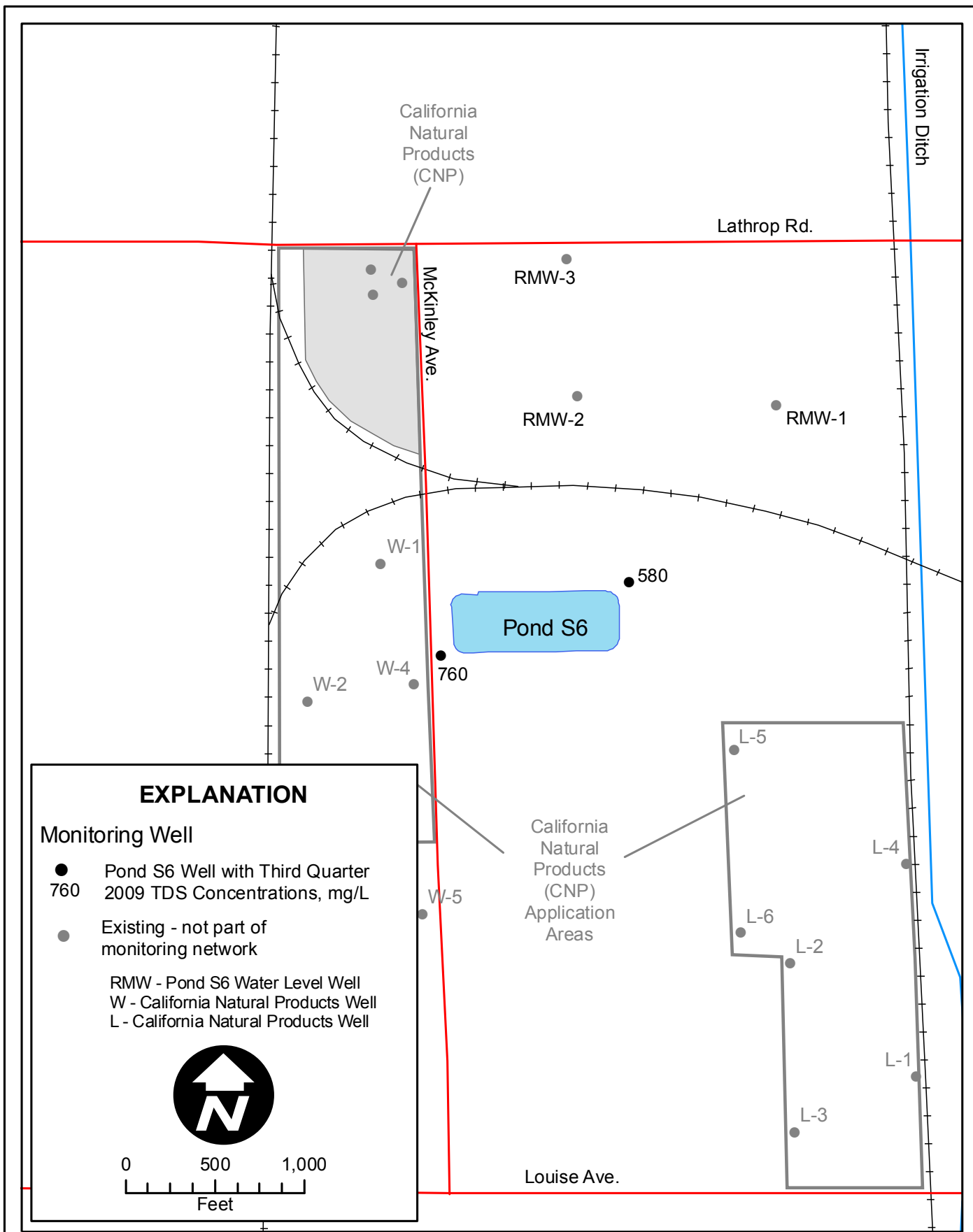
Note: Pooled data values include duplicate sample results.

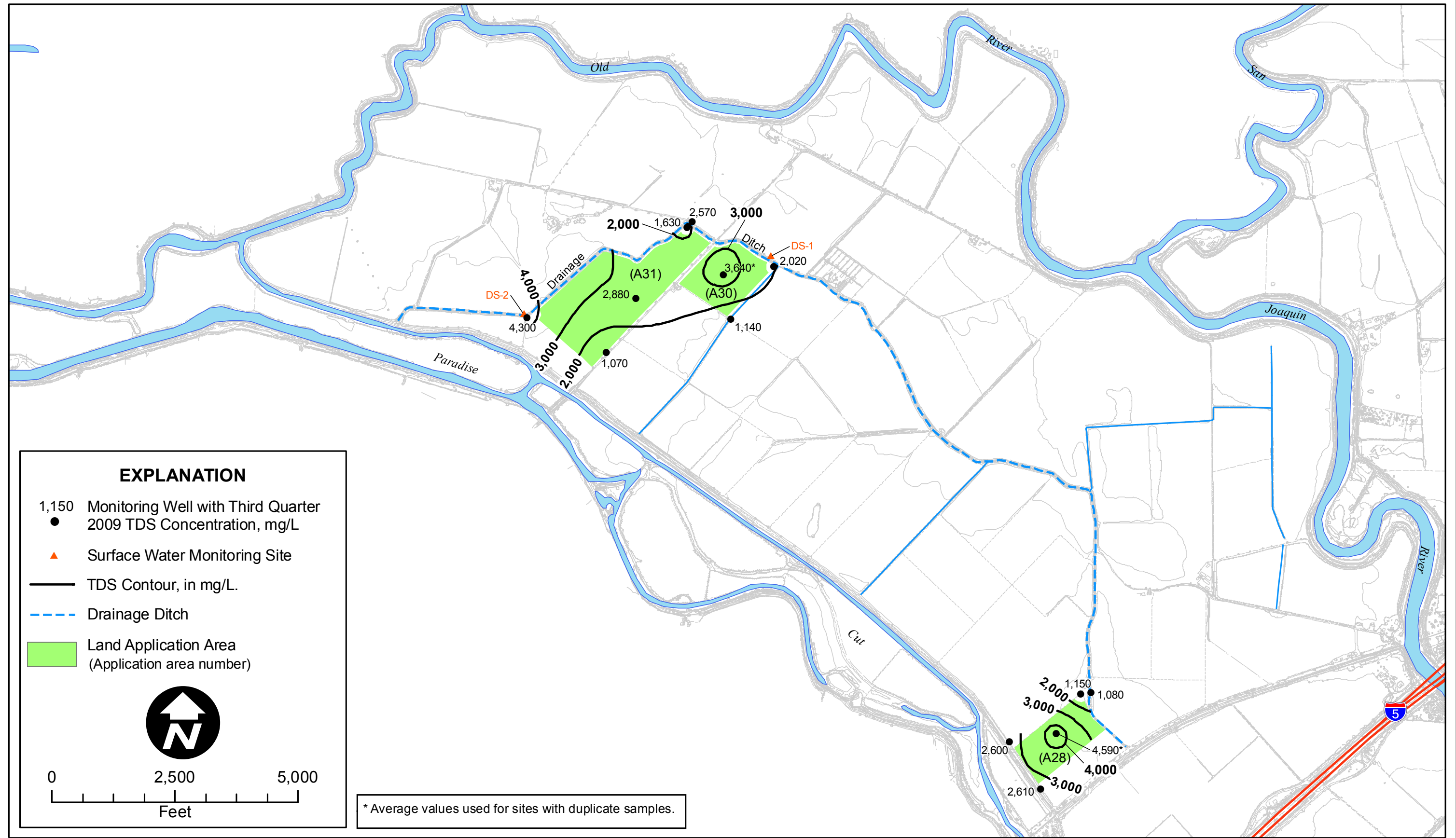


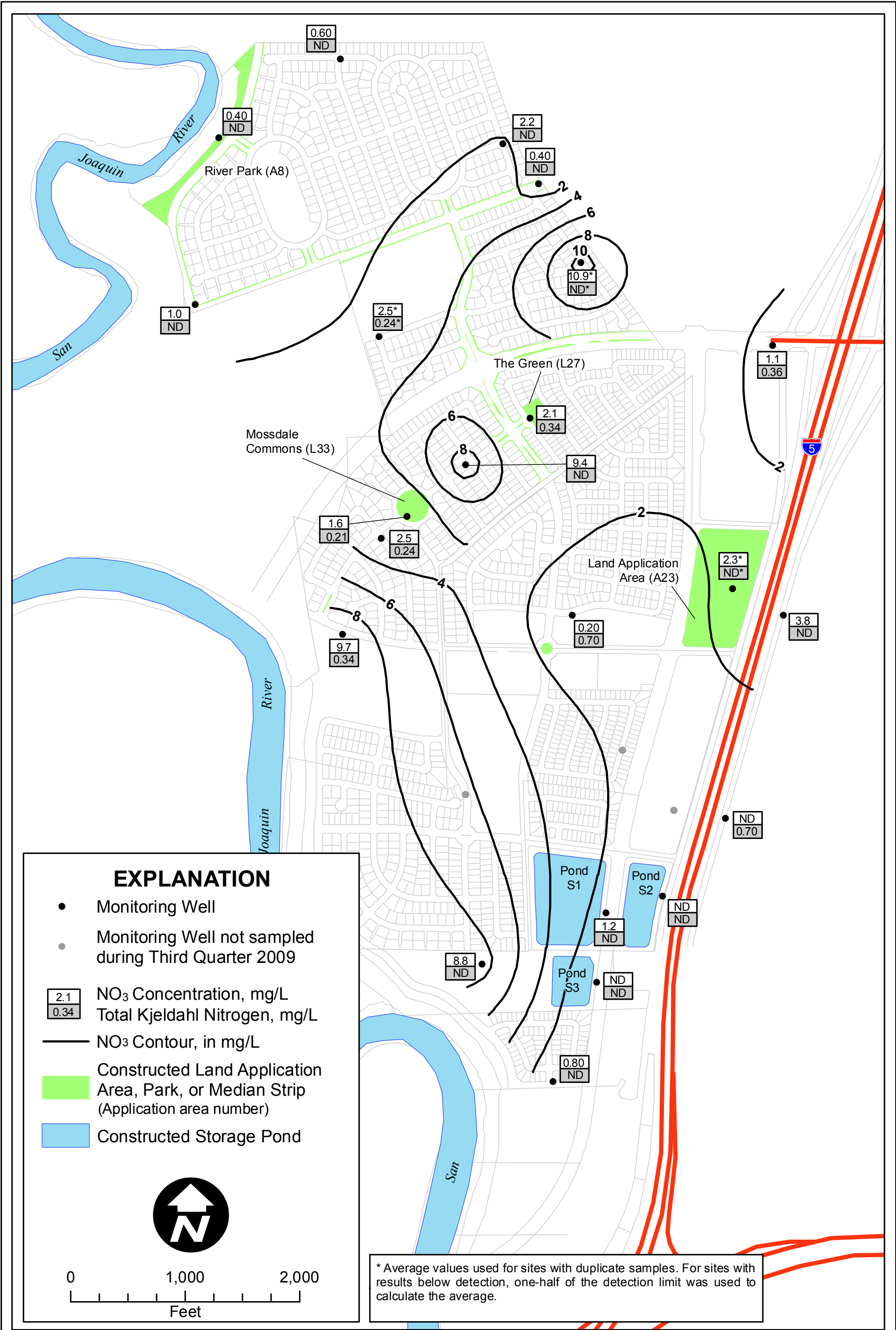


Total Dissolved Solids Concentrations, Third Quarter 2009, WRP-1 MBR Wastewater Treatment Plant.

Figure 5(b)







EXPLANATION

Monitoring Well

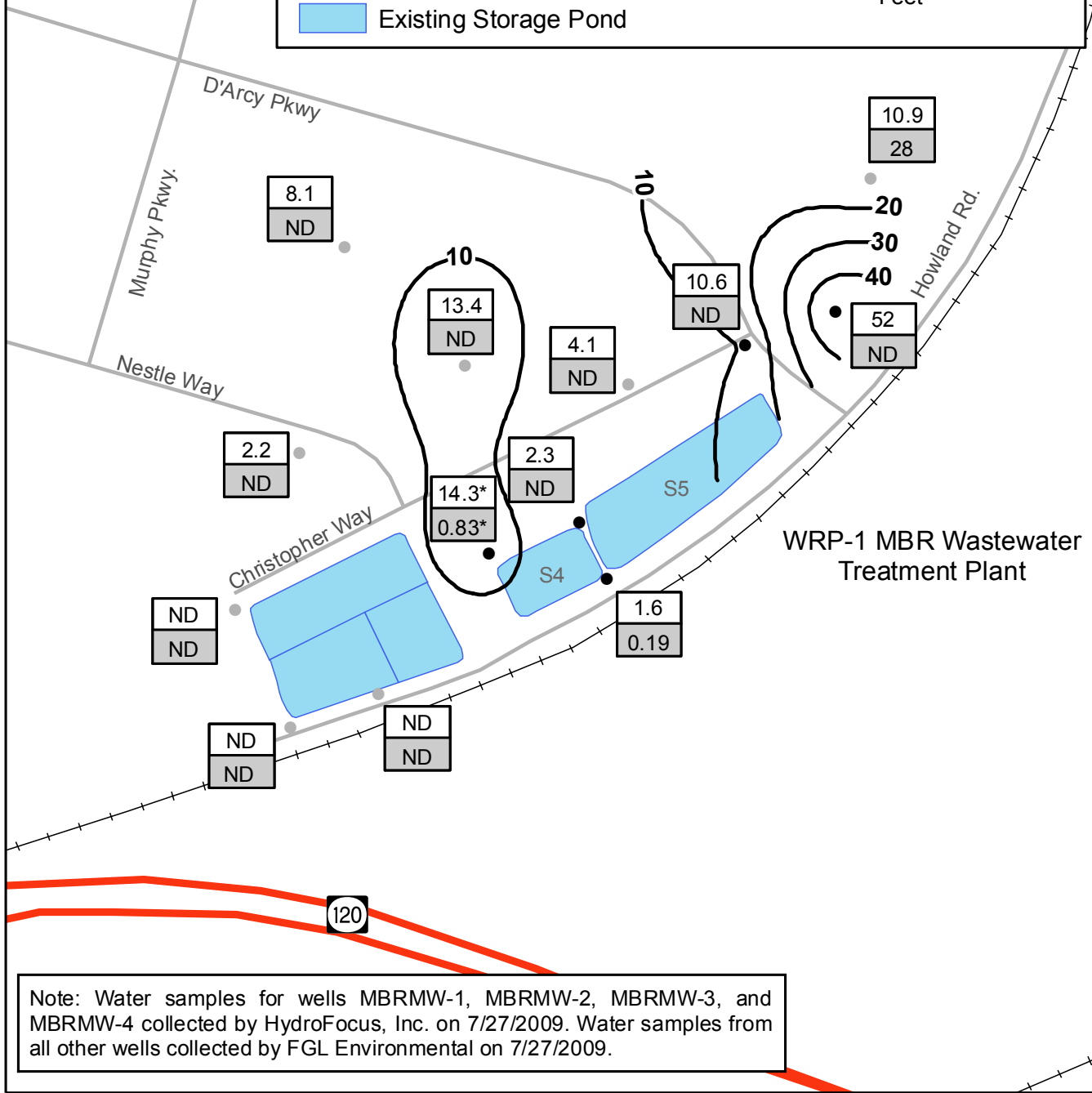
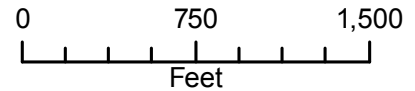
- WRP-1 MBR WWTP Network

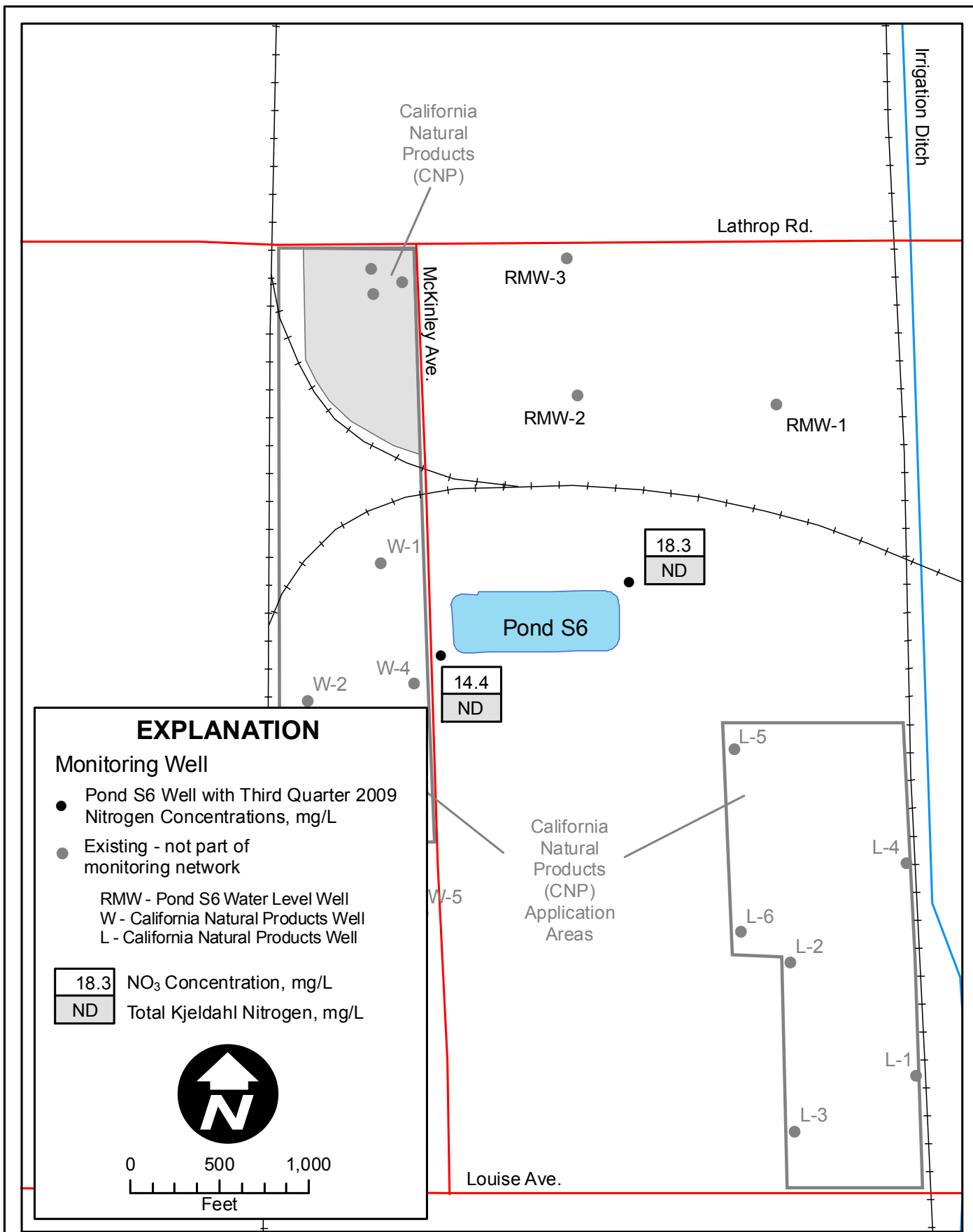
- Crossroads WWTP Network

13.4	NO ₃ Concentration, mg/L
ND	Total Kjeldahl Nitrogen, mg/L

— NO₃ Contour, in mg/L

Existing Storage Pond





Appendix A: Field Sheets and Purge Logs

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HW-1
 Date: 7/29/09
 Weather: Warm
 Personnel: BU

Well Depth: 17.08
 Depth to Water: 9.91
 Water Column: 7.17
 Casing Diameter: 4
 Casing Volume: 4.7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>4.7</u>	<u>7/8</u>	<u>—</u>	<u>—</u>
Temperature	<u>21</u>	<u>21</u>	<u>—</u>	<u>—</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1045</u>	<u>5</u>	<u>20.1</u>	<u>1292</u>	<u>0.75</u>	<u>6.61</u>	<u>218</u>	<u>23</u>	
<u>1050</u>	<u>10</u>	<u>20.2</u>	<u>1223</u>	<u>0.65</u>	<u>6.54</u>	<u>207</u>	<u>18</u>	
<u>1055</u>	<u>14</u>	<u>20.2</u>	<u>1184</u>	<u>0.53</u>	<u>6.58</u>	<u>201</u>	<u>18</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1100

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MW-2
 Date: 7/29/69
 Weather: Warm
 Personnel: BA

Well Depth: 18.54
 Depth to Water: 8.93
 Water Column: 9.61
 Casing Diameter: 4
 Casing Volume: 6.2

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>See MW-3</u>			
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1015	6.2	20.7	1428	0.42	7.36	73	8	
	<u>Well dewatered @ 15 gallons</u>							
1420	—	21.7	1614	4.90	7.33	165	7	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1420

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HWM-3
 Date: 7/29/09
 Weather: Warm
 Personnel: BM

Well Depth: 20.60
 Depth to Water: 10.90
 Water Column: 9.70
 Casing Diameter: 4
 Casing Volume: 6.3

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	—	1413	—	—
Temperature		21		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
939	6.3	17.5	1392	0.35	7.30	150	9	
946	12.6	17.3	1360	0.50	7.29	82	7	
953	19	17.3	1358	0.88	7.38	6	7	
	Well dewatered after			3 C.V.				

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time ~~1000~~
 1350

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MUM-4
 Date: 7/29/09
 Weather: Warm
 Personnel: BM

Well Depth: 20.64
 Depth to Water: 9.30
 Water Column: 11.34
 Casing Diameter: 4
 Casing Volume: 7.4

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	7.10	276.4	100%	236
Temperature	21	21	—	21

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
903	7.5	19.4	2355	1.84	7.23	108	10	
	Well de-aerated @			12 gallons				
1325	—	20.4	2453	3.39	7.28	160	9	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1325

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HW-5
 Date: 7/29/09
 Weather: Warm
 Personnel: BM

Well Depth: 20.60
 Depth to Water: 9.98
 Water Column: 10.62
 Casing Diameter: 4
 Casing Volume: 7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>7.10</u>	<u>2000</u>	<u>100%</u>	<u>236</u>
Temperature	<u>21</u>	<u>21</u>	<u>—</u>	<u>21</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>828</u>	<u>7</u>	<u>19.5</u>	<u>1674</u>	<u>0.38</u>	<u>6.98</u>	<u>188</u>	<u>12</u>	
	<u>Well de-aerated & 10 gallons</u>							
<u>1300</u>	<u>—</u>	<u>20.7</u>	<u>1967</u>	<u>5.05</u>	<u>7.42</u>	<u>170</u>	<u>6</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1300

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HWA-9
 Date: 8/3/09
 Weather: Warm
 Personnel: BM

Well Depth: 29.10
 Depth to Water: 10.10
 Water Column: 19.00
 Casing Diameter: 4
 Casing Volume: 12.3

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>718</u>		
Temperature		<u>21</u>		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1034</u>	<u>12.3</u>	<u>18.8</u>	<u>967</u>	<u>0.16</u>	<u>7.23</u>	<u>8</u>	<u>8</u>	
<u>1042</u>	<u>24.6</u>	<u>18.8</u>	<u>1019</u>	<u>0.22</u>	<u>7.08</u>	<u>7</u>	<u>8</u>	
<u>1050</u>	<u>37</u>	<u>18.8</u>	<u>1095</u>	<u>0.26</u>	<u>7.06</u>	<u>8</u>	<u>6</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1055

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-11
 Date: 7/30/89 8/3/89
 Weather: Warm
 Personnel: BM

Well Depth: 20.92
 Depth to Water: 8.16
 Water Column: 12.76
 Casing Diameter: 4
 Casing Volume: 8.3

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	7.10	666.7	100%	736
Temperature	21	21	21	21

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
822	8.3	20.4	5987	0.77	7.05	172	7	
830	16.6	20.3	5898	2.2	7.12	149	6	
840	25	20.3	5892	2.2	7.13	143	6	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 845

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-12
 Date: 7/29/09
 Weather: Warm
 Personnel: Bu

Well Depth: 24.00
 Depth to Water: 8.80
 Water Column: 15.2
 Casing Diameter: 4
 Casing Volume: 10

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	7.10	5000	—	—
Temperature	21	21	—	—

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1155	10	16.1	482.7	1.9	7.85	55	12	
1201	20	16.0	482.8	1.8	7.76	52	7	
1208	30	16.0	482.6	1.8	7.74	53	6	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1210

DUP → MWM-37 @ 1220

ED → MWM-38 @ 1240

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-13
 Date: 8/3/09
 Weather: warm
 Personnel: Bm

Well Depth: 19.02
 Depth to Water: 9.03
 Water Column: 10.79
 Casing Diameter: 4
 Casing Volume: 7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	7.10	2764	100%	237.5
Temperature	21	2.1	—	22

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
950	7	19.1	3669	0.31	8.22	157	7	
958	14	19.1	3670	0.25	8.21	151	6	
1005	21	19.1	3661	0.25	8.26	143	6	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1010

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-14
 Date: 7/30/19
 Weather: Warm
 Personnel: BM

Well Depth: 20.55
 Depth to Water: 6.10
 Water Column: 14.45
 Casing Diameter: 4
 Casing Volume: 9.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		See MWM-27		
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
908	9.5	21.5	1125	0.25	7.24	166	10	
915	19	21.5	1274	0.24	7.24	156	7	
923	28.5	21.4	1360	0.26	7.23	143	7	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 930

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MW-15
 Date: 7/30/09
 Weather: Warm
 Personnel: DM

Well Depth: 20.50
 Depth to Water: 8.90
 Water Column: 11.60
 Casing Diameter: 4
 Casing Volume: 7.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>See MW-27</u>			
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>955</u>	<u>7.5</u>	<u>17.8</u>	<u>2370</u>	<u>0.35</u>	<u>7.12</u>	<u>147</u>	<u>9</u>	
<u>1003</u>	<u>15</u>	<u>17.9</u>	<u>2389</u>	<u>0.41</u>	<u>7.12</u>	<u>144</u>	<u>7</u>	
<u>1010</u>	<u>21.5</u>	<u>18.0</u>	<u>2407</u>	<u>0.41</u>	<u>7.12</u>	<u>140</u>	<u>7</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1015

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HWM-16
 Date: 7/30/09
 Weather: Warm
 Personnel: BU

Well Depth: 18.90
 Depth to Water: 7.49
 Water Column: 11.41
 Casing Diameter: 4
 Casing Volume: 7.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>See HWM-27</u>		
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1034</u>	<u>7.5</u>	<u>20.3</u>	<u>1380</u>	<u>0.30</u>	<u>7.10</u>	<u>118</u>	<u>7</u>	
<u>1042</u>	<u>15</u>	<u>20.3</u>	<u>1468</u>	<u>0.31</u>	<u>7.10</u>	<u>99</u>	<u>7</u>	
<u>1050</u>	<u>22.5</u>	<u>20.3</u>	<u>1515</u>	<u>0.30</u>	<u>7.11</u>	<u>83</u>	<u>6</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time ~~1055~~
1055

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-17
 Date: 7/30/09
 Weather: Warm
 Personnel: Bu

Well Depth: 20.30
 Depth to Water: 7.89
 Water Column: 12.41
 Casing Diameter: 4
 Casing Volume: 8

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>7.10</u>	<u>2764</u>	<u>—</u>	<u>—</u>
Temperature	<u>21</u>	<u>21</u>	<u>—</u>	<u>—</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1118</u>	<u>8</u>	<u>18.2</u>	<u>2614</u>	<u>0.79</u>	<u>7.95</u>	<u>171</u>	<u>6</u>	
<u>1126</u>	<u>16</u>	<u>18.4</u>	<u>2911</u>	<u>0.45</u>	<u>7.98</u>	<u>165</u>	<u>6</u>	
<u>1134</u>	<u>24</u>	<u>18.4</u>	<u>3010</u>	<u>0.41</u>	<u>7.98</u>	<u>160</u>	<u>6</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1140

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWH-19
 Date: 7/30/09
 Weather: Warm
 Personnel: BH

Well Depth: 20.14
 Depth to Water: 10.07
 Water Column: 10.07
 Casing Diameter: 4
 Casing Volume: 6.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	—	5200	—	—
Temperature	—	21	—	—

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1227	6.5	21.7	4180	0.26	7.97	3	5	
1234	13	22.01	4214	0.27	7.97	-1	5	
1240	19.5	21.9	4260	0.29	7.97	-1	5	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1245

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-20
 Date: 7/30/09
 Weather: Warm
 Personnel: BA

Well Depth: 19.97
 Depth to Water: 7.67
 Water Column: 12.30
 Casing Diameter: 4
 Casing Volume: 8

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>See MWM-17</u>		
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1315</u>	<u>8</u>	<u>18.3</u>	<u>2311</u>	<u>0.2</u>	<u>8.11</u>	<u>104</u>	<u>5</u>	
<u>1324</u>	<u>16</u>	<u>18.3</u>	<u>2322</u>	<u>0.3</u>	<u>8.05</u>	<u>99</u>	<u>5</u>	
<u>1333</u>	<u>24</u>	<u>18.2</u>	<u>2324</u>	<u>0.2</u>	<u>8.03</u>	<u>95</u>	<u>4</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1335

DUP - MWM-39 @ 1345

EB - MWM-40 @ 1405

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-21
 Date: 7/28/09
 Weather: Warm
 Personnel: BKL

Well Depth: 20.70
 Depth to Water: 7.25
 Water Column: 13.45
 Casing Diameter: 4
 Casing Volume: 8.7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>See MWM-26</u>			
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1331	9	19.4	3247	0.42	8.32	44.2	12	
1338	18	19.4	3339	0.42	8.23	40	10	
1345	26	19.4	3371	0.41	8.20	38	10	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1350

DLR → MWM-35 7/28/09 @ 1400

EB → MWM-36 7/28/09 @ 1410

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MW1-22
 Date: 7/28/09
 Weather: Warm
 Personnel: BM

Well Depth: 21.00
 Depth to Water: 9.32
 Water Column: 11.68
 Casing Diameter: 2
 Casing Volume: 1.9

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>4413</u>		
Temperature		<u>See MW1-25</u>		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1149</u>	<u>2</u>	<u>17.7</u>	<u>1327</u>	<u>0.54</u>	<u>8.28</u>	<u>89</u>	<u>517</u>	
<u>1152</u>	<u>4</u>	<u>17.8</u>	<u>1345</u>	<u>0.43</u>	<u>8.17</u>	<u>84</u>	<u>133</u>	
<u>1155</u>	<u>6</u>	<u>17.8</u>	<u>1356</u>	<u>0.41</u>	<u>8.15</u>	<u>81</u>	<u>117</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1200

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWP-23
 Date: 7/28/89
 Weather: Warm
 Personnel: BRL

Well Depth: 23.90
 Depth to Water: 10.75
 Water Column: 13.15
 Casing Diameter: 4
 Casing Volume: 8.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>710</u>	<u>2764</u>	<u>100%</u>	<u>234</u>
Temperature	<u>21</u>	<u>21</u>	<u>21</u>	<u>21</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>912</u>	<u>8.5</u>	<u>18.7</u>	<u>2438</u>	<u>6.16</u>	<u>7.61</u>	<u>181</u>	<u>8</u>	
<u>920</u>	<u>19</u>	<u>18.7</u>	<u>2414</u>	<u>3.07</u>	<u>7.61</u>	<u>170</u>	<u>7</u>	
<u>929</u>	<u>25.5</u>	<u>18.7</u>	<u>2407</u>	<u>2.93</u>	<u>7.60</u>	<u>163</u>	<u>7</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 935

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWP-24
 Date: 7/28/09
 Weather: Warm
 Personnel: BM

Well Depth: 20.68
 Depth to Water: 9.93
 Water Column: 10.75
 Casing Diameter: 4
 Casing Volume: 7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>5cc RMC-25</u>	<u>718</u>		
Temperature		<u>21</u>		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1101</u>	<u>7</u>	<u>18.5</u>	<u>722</u>	<u>1.09</u>	<u>7.42</u>	<u>117</u>	<u>7</u>	
<u>1108</u>	<u>14</u>	<u>18.5</u>	<u>719</u>	<u>0.98</u>	<u>7.44</u>	<u>99</u>	<u>6</u>	
<u>1115</u>	<u>21</u>	<u>18.4</u>	<u>719</u>	<u>0.93</u>	<u>7.44</u>	<u>89</u>	<u>6</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1120

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HW-25
 Date: 7/28/09
 Weather: Warm
 Personnel: BM

Well Depth: 20.18
 Depth to Water: 7.57
 Water Column: 12.61
 Casing Diameter: 4
 Casing Volume: 8.2

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>7.10</u>	<u>1413</u>	<u>100%</u>	<u>236</u>
Temperature	<u>21</u>	<u>21</u>	<u>21</u>	<u>21</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1010</u>	<u>8.2</u>	<u>19.7</u>	<u>1688</u>	<u>0.41</u>	<u>8.14</u>	<u>134</u>	<u>8</u>	
<u>1018</u>	<u>16.4</u>	<u>19.7</u>	<u>1678</u>	<u>0.41</u>	<u>8.12</u>	<u>124</u>	<u>6</u>	
<u>1026</u>	<u>24.5</u>	<u>19.7</u>	<u>1672</u>	<u>0.39</u>	<u>8.11</u>	<u>114</u>	<u>6</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1030

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWH-260
 Date: 7/28/89
 Weather: Warm
 Personnel: BM

Well Depth: 20.71
 Depth to Water: 8.47
 Water Column: 12.24
 Casing Diameter: 4
 Casing Volume: 8

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>2764</u>		
Temperature		<u>21</u>		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1245</u>	<u>8</u>	<u>19.90</u>	<u>3060</u>	<u>0.39</u>	<u>8.41</u>	<u>36</u>	<u>11</u>	
<u>1253</u>	<u>16</u>	<u>19.97</u>	<u>3043</u>	<u>0.50</u>	<u>8.38</u>	<u>35</u>	<u>8</u>	
<u>1301</u>	<u>24</u>	<u>19.66</u>	<u>3060</u>	<u>0.40</u>	<u>8.34</u>	<u>35</u>	<u>8</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1305

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWM-27
 Date: 7/30/09
 Weather: Warm
 Personnel: BM

Well Depth: 23.48
 Depth to Water: 6.75
 Water Column: 16.73
 Casing Diameter: 4
 Casing Volume: 11

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>7.10</u>	<u>2000</u>	<u>100%</u>	<u>236</u>
Temperature	<u>21</u>	<u>21</u>	<u>21</u>	<u>21</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>818</u>	<u>11</u>	<u>17.5</u>	<u>2098</u>	<u>0.36</u>	<u>7.12</u>	<u>182</u>	<u>14</u>	
<u>825</u>	<u>22</u>	<u>17.6</u>	<u>1799</u>	<u>0.37</u>	<u>7.18</u>	<u>176</u>	<u>10</u>	
<u>833</u>	<u>33</u>	<u>17.6</u>	<u>1685</u>	<u>0.34</u>	<u>7.21</u>	<u>170</u>	<u>8</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 835

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HBPMW-1
 Date: 7/27/89
 Weather: Warm
 Personnel: BM

Well Depth: 23.10
 Depth to Water: 14.39
 Water Column: 8.71
 Casing Diameter: 4
 Casing Volume: 5.7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>710</u>	<u>1413</u>	<u>100%</u>	<u>234</u>
Temperature	<u>23.</u>	<u>23</u>	<u>23</u>	<u>23.0</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1051</u>	<u>6</u>	<u>18.8</u>	<u>1754</u>	<u>1.10</u>	<u>7.45</u>	<u>51</u>	<u>33</u>	
<u>1057</u>	<u>12</u>	<u>18.7</u>	<u>1685</u>	<u>0.77</u>	<u>7.58</u>	<u>40</u>	<u>31</u>	
<u>1103</u>	<u>18</u>	<u>18.7</u>	<u>1655</u>	<u>0.76</u>	<u>7.64</u>	<u>36</u>	<u>28</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1105

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MBRMw2
 Date: 7/27/09
 Weather: warm
 Personnel: Bu

Well Depth: 25.08
 Depth to Water: 14.79
 Water Column: 10.29
 Casing Diameter: 4
 Casing Volume: 6.7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>See</u>	<u>MBRMw1</u>		
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1128</u>	<u>7</u>	<u>18.6</u>	<u>1546</u>	<u>0.66</u>	<u>7.92</u>	<u>37</u>	<u>12</u>	
<u>1134</u>	<u>14</u>	<u>18.6</u>	<u>1541</u>	<u>0.72</u>	<u>7.89</u>	<u>31</u>	<u>8</u>	
<u>1141</u>	<u>20</u>	<u>18.6</u>	<u>1541</u>	<u>0.72</u>	<u>7.88</u>	<u>24</u>	<u>7</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1145

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HB2RMW-3
 Date: 7/27/09
 Weather: Warm
 Personnel: BA

Well Depth: 20.10
 Depth to Water: 9.67
 Water Column: 10.43
 Casing Diameter: 4
 Casing Volume: 6.8

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	7.10	2764	100%	234
Temperature	23.0	23.0	-	23

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
940	7	21.2	2765	3.81	7.23	130	12	
948	14	21.2	2746	3.41	7.26	102	9	
956	21	21.2	2735	3.24	7.27	90	8	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes:

Sample Time 100%

DUP I.D. HW-33 @ 10/14

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HB2MW-4
 Date: 7/27/09
 Weather: Warm
 Personnel: BM

Well Depth: 33.90
 Depth to Water: 14.05
 Water Column: 19.85
 Casing Diameter: 4
 Casing Volume: 13

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>See HB2MW-3</u>			
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1212</u>	<u>13</u>	<u>20.18</u>	<u>2758</u>	<u>0.49</u>	<u>7.91</u>	<u>-2</u>	<u>11</u>	
<u>1219</u>	<u>26</u>	<u>20.20</u>	<u>2745</u>	<u>0.41</u>	<u>7.89</u>	<u>-14</u>	<u>8</u>	
<u>1225</u>	<u>39</u>	<u>20.19</u>	<u>2741</u>	<u>0.43</u>	<u>7.89</u>	<u>-15</u>	<u>8</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1230

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: RMW-4
 Date: 7/27/09
 Weather: Hot
 Personnel: BM

Well Depth: 35.55
 Depth to Water: 22.10
 Water Column: 13.45
 Casing Diameter: 4
 Casing Volume: 8.7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>See RMW-1</u>			
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1316</u>	<u>9</u>	<u>19.71</u>	<u>1219</u>	<u>5.06</u>	<u>7.70</u>	<u>67</u>	<u>14</u>	
<u>1317</u>	<u>18</u>	<u>19.68</u>	<u>1213</u>	<u>4.89</u>	<u>7.61</u>	<u>67</u>	<u>10</u>	
<u>1324</u>	<u>27</u>	<u>19.69</u>	<u>1221</u>	<u>4.82</u>	<u>7.53</u>	<u>57</u>	<u>10</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1330

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: RAW-5
 Date: 7/27/09
 Weather: H+T
 Personnel: BM

Well Depth: 34.80
 Depth to Water: 19.96
 Water Column: 14.84
 Casing Diameter: ✓
 Casing Volume: ~~9.7~~

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>700</u>		
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1358</u>	<u>10</u>	<u>19.14</u>	<u>886</u>	<u>5.13</u>	<u>7.76</u>	<u>62</u>	<u>15</u>	
<u>1405</u>	<u>20</u>	<u>19.11</u>	<u>913</u>	<u>4.60</u>	<u>7.71</u>	<u>52</u>	<u>13</u>	
<u>1412</u>	<u>30</u>	<u>19.10</u>	<u>928</u>	<u>4.41</u>	<u>7.69</u>	<u>43</u>	<u>13</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1415

Equip blank = RAW-34 7/27/09 @ 1440

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWR-PB 3
 Date: 8/5/09
 Weather: Warm
 Personnel: BM

Well Depth: 19.37
 Depth to Water: 10.60
 Water Column: 8.77
 Casing Diameter: 2
 Casing Volume: 1.4

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>\</u>	<u>2000</u>	<u>\</u>	<u>\</u>
Temperature	<u>\</u>	<u>21</u>	<u>\</u>	<u>\</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1108</u>	<u>1.5</u>	<u>16.0</u>	<u>1910</u>	<u>2.0</u>	<u>6.52</u>	<u>46</u>	<u>>1000</u>	
<u>1111</u>	<u>3</u>	<u>17.5</u>	<u>1938</u>	<u>1.8</u>	<u>6.35</u>	<u>51</u>	<u>>1000</u>	
<u>1114</u>	<u>4.5</u>	<u>17.3</u>	<u>1932</u>	<u>2.7</u>	<u>6.34</u>	<u>52</u>	<u>>1000</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1115

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWR-B11
 Date: 8/4/09
 Weather: Warm
 Personnel: BM

Well Depth: 22.10
 Depth to Water: 9.43
 Water Column: 12.67
 Casing Diameter: 2
 Casing Volume: 2

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>7000</u>		
Temperature		<u>21</u>		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1040</u>	<u>2</u>	<u>20.0</u>	<u>1707</u>	<u>1.6</u>	<u>7.13</u>	<u>-22</u>	<u>103</u>	
<u>1041</u>	<u>4</u>	<u>19.3</u>	<u>1715</u>	<u>1.9</u>	<u>7.01</u>	<u>-4</u>	<u>157</u>	
<u>1045</u>	<u>6</u>	<u>19.0</u>	<u>1722</u>	<u>2.1</u>	<u>7.0</u>	<u>3</u>	<u>151B</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1050

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HWR-12
 Date: 8/4/09
 Weather: WARM
 Personnel: Bu

Well Depth: 15.10
 Depth to Water: 7.80
 Water Column: 7.20
 Casing Diameter: 2
 Casing Volume: 1.1

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>2000</u>		
Temperature		<u>21</u>		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1113</u>	<u>1.1</u>	<u>21.9</u>	<u>1695</u>	<u>4.4</u>	<u>7.34</u>	<u>54</u>	<u>136</u>	
<u>1115</u>	<u>2.2</u>	<u>21.3</u>	<u>1741</u>	<u>3.8</u>	<u>7.26</u>	<u>53</u>	<u>121</u>	
<u>1117</u>	<u>3.5</u>	<u>20.8</u>	<u>1762</u>	<u>3.0</u>	<u>7.17</u>	<u>52</u>	<u>119</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1120

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWR-23
 Date: 8/3/89
 Weather: breezy
 Personnel: BM

Well Depth: 24.96
 Depth to Water: 14.39
 Water Column: 10.57
 Casing Diameter: 4
 Casing Volume: 7

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>4.7</u>	<u>5000</u>	<u>—</u>	<u>—</u>
Temperature	<u>21</u>	<u>21</u>	<u>—</u>	<u>—</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1254</u>	<u>7</u>	<u>18.4</u>	<u>4386</u>	<u>0.77</u>	<u>6.93</u>	<u>137</u>	<u>10</u>	
<u>1301</u>	<u>14</u>	<u>18.4</u>	<u>4252</u>	<u>0.76</u>	<u>6.90</u>	<u>130</u>	<u>7</u>	
<u>1305</u>	<u>21</u>	<u>18.4</u>	<u>4158</u>	<u>0.65</u>	<u>6.86</u>	<u>120</u>	<u>7</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1310

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWR-24
 Date: 8/3/89
 Weather: breezy
 Personnel: B4

Well Depth: 23.50
 Depth to Water: 11.50
 Water Column: 12
 Casing Diameter: 4
 Casing Volume: 7.8

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	4.7	666.67		
Temperature	21	21		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1334	8	15.8	7758	0.27	7.90	-34	7	
1342	16	15.9	7769	0.32	7.83	-58	6	
1353	24	16.0	7795	0.34	7.81	-57	6	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1355

DUP → MWM-41 @ 1405

EB → MWM-42 @ 1425

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWR-25
 Date: 8/3/09
 Weather: Warm
 Personnel: BM

Well Depth: 2422
 Depth to Water: 11.05
 Water Column: 13.17
 Casing Diameter: 4
 Casing Volume: 8.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>4.7</u>	<u>See MWR-1.3</u>		
Temperature	<u>21</u>			

Purge Log								
Time	Volume	Temp.	Sp. Cond.	Do	pH	Eh	Turbidity	Comments
<u>1210</u>	<u>8.5</u>	<u>16.5</u>	<u>2953</u>	<u>0.34</u>	<u>7.63</u>	<u>19</u>	<u>11</u>	
<u>1218</u>	<u>17</u>	<u>16.8</u>	<u>2953</u>	<u>0.33</u>	<u>7.57</u>	<u>12</u>	<u>8</u>	
<u>1225</u>	<u>25.5</u>	<u>16.5</u>	<u>2955</u>	<u>0.34</u>	<u>7.54</u>	<u>11</u>	<u>8</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1230

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HWK-B26
 Date: 8/5/09
 Weather: Warm
 Personnel: Bar

Well Depth: 25.00
 Depth to Water: 9.58
 Water Column: 15.42
 Casing Diameter: 4
 Casing Volume: 10

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>\</u>	<u>1413</u>	<u>\</u>	<u>\</u>
Temperature	<u>\</u>	<u>21</u>	<u>\</u>	<u>\</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1150	10	16.3	1804	0.29	6.81	-61	33	
1200	20	16.4	1801	0.25	6.78	-68	12	
1210	30	16.4	1798	0.23	6.78	-72	10	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1215

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWR-B 27
 Date: 8/5/09
 Weather: breezy
 Personnel: BR

Well Depth: 25.00
 Depth to Water: 5.68
 Water Column: 19.32
 Casing Diameter: 4
 Casing Volume: 12.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>4.7</u>	<u>2764</u>	<u>100%</u>	<u>237.5</u>
Temperature	<u>21</u>	<u>21</u>	<u>—</u>	<u>20</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>845</u>	<u>12.5</u>	<u>17.4</u>	<u>3310</u>	<u>0.25</u>	<u>6.97</u>	<u>202</u>	<u>10</u>	
<u>855</u>	<u>25</u>	<u>17.4</u>	<u>3363</u>	<u>0.26</u>	<u>6.98</u>	<u>192</u>	<u>7</u>	
<u>905</u>	<u>37.5</u>	<u>17.4</u>	<u>3383</u>	<u>0.23</u>	<u>6.98</u>	<u>189</u>	<u>7</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 910

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MWR-28
 Date: 8/4/09
 Weather: Warm
 Personnel: BM

Well Depth: 24.90
 Depth to Water: 7.12
 Water Column: 17.78
 Casing Diameter: 4
 Casing Volume: 11.5

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>5000</u>		
Temperature	<u>21</u>			

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>1152</u>	<u>11.5</u>	<u>16.5</u>	<u>5373</u>	<u>0.25</u>	<u>6.98</u>	<u>65</u>	<u>11</u>	
<u>1202</u>	<u>23</u>	<u>16.6</u>	<u>5215</u>	<u>0.26</u>	<u>6.96</u>	<u>49</u>	<u>8</u>	
<u>1212</u>	<u>34.5</u>	<u>16.5</u>	<u>5138</u>	<u>0.23</u>	<u>6.95</u>	<u>41</u>	<u>8</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1215

DUP → MWM-43 @ ~~1225~~ 1225

EB → MWM-44 @ 1245

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HWR-29
 Date: 8/4/09
 Weather: breezy
 Personnel: BM

Well Depth: 25.06
 Depth to Water: 9.70
 Water Column: 15.36
 Casing Diameter: 4
 Casing Volume: 10

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used		<u>2764</u>		
Temperature	<u>/</u>		<u>/</u>	<u>/</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>935</u>	<u>10</u>	<u>18.0</u>	<u>2385</u>	<u>0.24</u>	<u>7.07</u>	<u>-92</u>	<u>10</u>	
<u>944</u>	<u>20</u>	<u>17.8</u>	<u>2388</u>	<u>0.39</u>	<u>7.04</u>	<u>-109</u>	<u>10</u>	
<u>Well developed @ 26 gallons</u>								
<u>1320</u>	<u>—</u>	<u>21.1</u>	<u>2434</u>	<u>1.70</u>	<u>7.10</u>	<u>-95</u>	<u>8</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1320

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HWR-30
 Date: 8/4/09
 Weather: WARM
 Personnel: BU

Well Depth: 24.98
 Depth to Water: 7.80
 Water Column: 17.18
 Casing Diameter: 4
 Casing Volume: 11

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	/	2764	/	/
Temperature				

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1010	11	19.2	2681	1.1	7.12	42	13	
	Well dewatered @ 19 gallons							
1350	—	20.0	3468	1.4	6.94	-28	10	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1350

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: ~~HWL-2~~ HWL-31
 Date: 8/5/09
 Weather: Windy
 Personnel: BM

Well Depth: 24.98
 Depth to Water: 8.15
 Water Column: 16.83
 Casing Diameter: 4
 Casing Volume: 11

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	4.7	5000	100%	237.5
Temperature	21	21	—	20

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1018	11	16.28	6055	0.45	6.83	167	6	
1027	22	16.2	6054	0.43	6.85	157	6	
1036	33	16.2	6057	0.35	6.86	150	5	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1040

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: MNR-32
 Date: 8/4/09
 Weather: breezy
 Personnel: RM

Well Depth: 25.00
 Depth to Water: 8.25
 Water Column: 16.75
 Casing Diameter: 4
 Casing Volume: 11

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	<u>4.7</u>	<u>5000</u>	<u>100%</u>	<u>237.5</u>
Temperature	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
<u>0800</u>	<u>11</u>	<u>17.7</u>	<u>4057</u>	<u>0.95</u>	<u>6.43</u>	<u>102</u>	<u>10</u>	
	<u>with de-aerated & 20 gallons</u>							
<u>1300</u>	<u>~</u>	<u>20.3</u>	<u>3820</u>	<u>3.6</u>	<u>6.59</u>	<u>154</u>	<u>8</u>	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1300

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HAIR 12 DJS-1
 Date: 8/5/09
 Weather: breezy
 Personnel: BM

Well Depth: _____
 Depth to Water: _____
 Water Column: _____
 Casing Diameter: _____
 Casing Volume: _____

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	710	1413	—	—
Temperature	21	21		

Purge Log								
Time	Volume	Temp.	Sp. Cond.	Do	pH	Eh	Turbidity	Comments
935	—	21.4	1505	6.68	7.75	213	22	

Purge Method: bailer peristaltic submersible other _____

Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 935

Well Purging and Sampling Log

Project: 5040 - Lathrop
 Well: HALE-2 DS-2
 Date: 8/5/09
 Weather: breezy
 Personnel: BM

Well Depth: _____
 Depth to Water: _____
 Water Column: _____
 Casing Diameter: _____
 Casing Volume: _____

Meter Calibration Log				
	pH	Spec. Cond.	DO	Eh
Standard Used	/	1413	/	/
Temperature		21		

Purge Log								
Time	Volume	Temp.	Sp. Cond	Do	pH	Eh	Turbidity	Comments
1000	—	23.0	1408	6.07	7.57	22.9	22	

Purge Method: bailer peristaltic submersible other _____

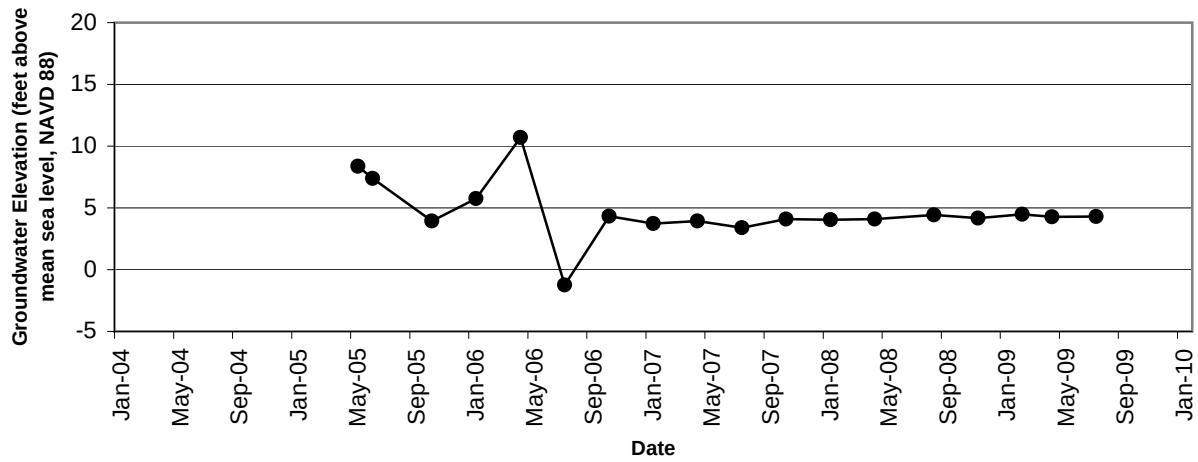
Sampling Method: bailer peristaltic submersible other _____

Sample Collection Log							
Analysis	Type	Volume	Quantity	Filtered	Preservative	Lab	Time
Cations/Metals	Poly	250 ml	1	Yes	HNO3	FGL	
Wet Chemistry	Poly	32 oz.	1	Yes	None	FGL	
Wet Chemistry	Poly	16 oz.	1	Yes	H2SO4	FGL	
Alkalinity	Poly	250	1	No	None	FGL	
TTHM	VOC	40	2	No	Pre-preserved	FGL	
Coliform	Plastic	125	1	No	Pre-preserved	FGL	
Br - low level	Poly	250	1	Yes	None	Weck	

Notes: Sample time 1000

Appendix B: Historical Water Levels

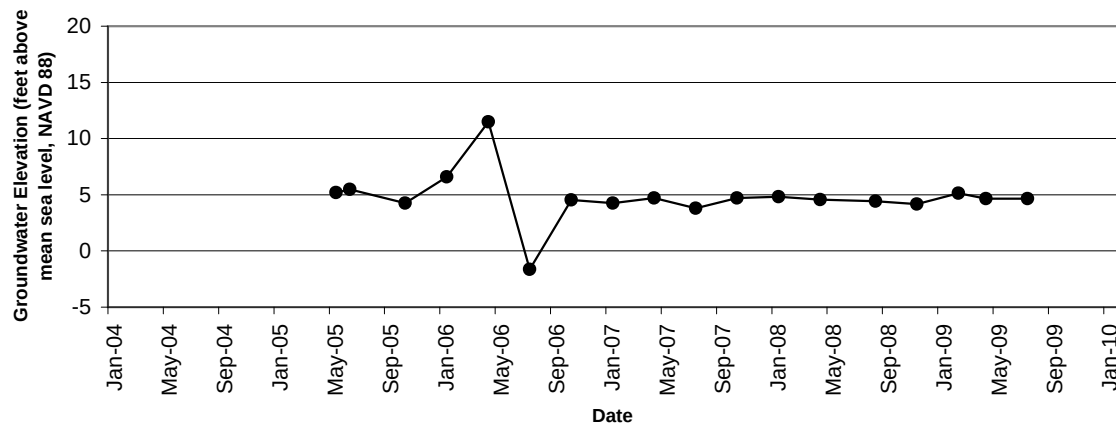
**City of Lathrop - MWM-1
Groundwater Elevation**



MWM-1			
		NGVD 29	NAVD 88
MP 1		15.18	17.51
MP 2		11.83	14.22
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/19/2005	9.15	6.03	8.36
6/28/2005	10.13	5.05	7.38
10/12/2005	13.58	1.60	3.93
1/31/2006	11.76	3.42	5.75
4/25/2006	6.81	8.37	10.7
7/19/2006	18.76	-3.58	-1.25
10/13/2006	13.19	1.99	4.32
1/23/2007	10.50	1.33	3.72
4/24/2007	10.27	1.56	3.95
7/24/2007	10.82	1.01	3.40
10/30/2007	10.12	1.71	4.10
1/24/2008	10.17	1.66	4.05
4/15/2008	10.13	1.70	4.09
8/25/2008	9.79	2.04	4.43
11/24/2008	10.06	1.77	4.16
2/17/2009	9.75	2.08	4.47
4/15/2009	9.95	1.88	4.27
7/27/2009	9.91	1.92	4.31

MP 1 5/19/05-1/22/07
MP 2 1/22/07 - current

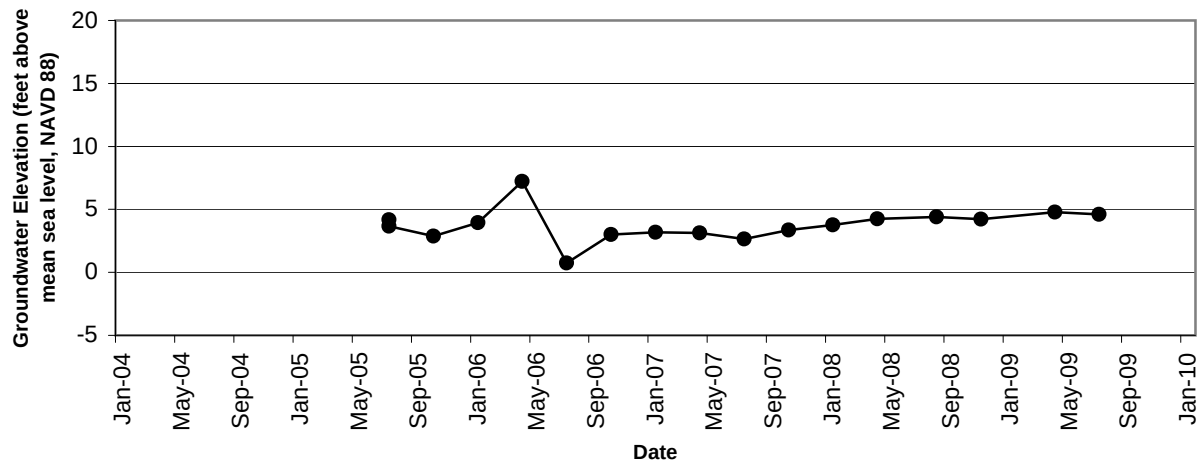
**City of Lathrop - MWM-2
Groundwater Elevation**



MWM-2			
		NGVD 29	NAVD 88
MP 1		12.92	15.31
MP 2		11.18	13.57
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/19/2005	10.13	2.79	5.18
6/28/2005	9.83	3.09	5.48
10/12/2005	11.05	1.87	4.26
1/31/2006	8.72	4.20	6.59
4/25/2006	3.83	9.09	11.48
7/19/2006	16.94	-4.02	-1.63
10/13/2006	10.77	2.15	4.54
1/23/2007	9.32	1.86	4.25
4/24/2007	8.85	2.33	4.72
7/24/2007	9.77	1.41	3.80
10/30/2007	8.85	2.33	4.72
1/24/2008	8.75	2.43	4.82
4/15/2008	9.00	2.18	4.57
8/22/2008	9.15	2.03	4.42
11/24/2008	9.39	1.79	4.18
2/17/2009	8.42	2.76	5.15
4/15/2009	8.93	2.25	4.64
7/29/2009	8.93	2.25	4.64

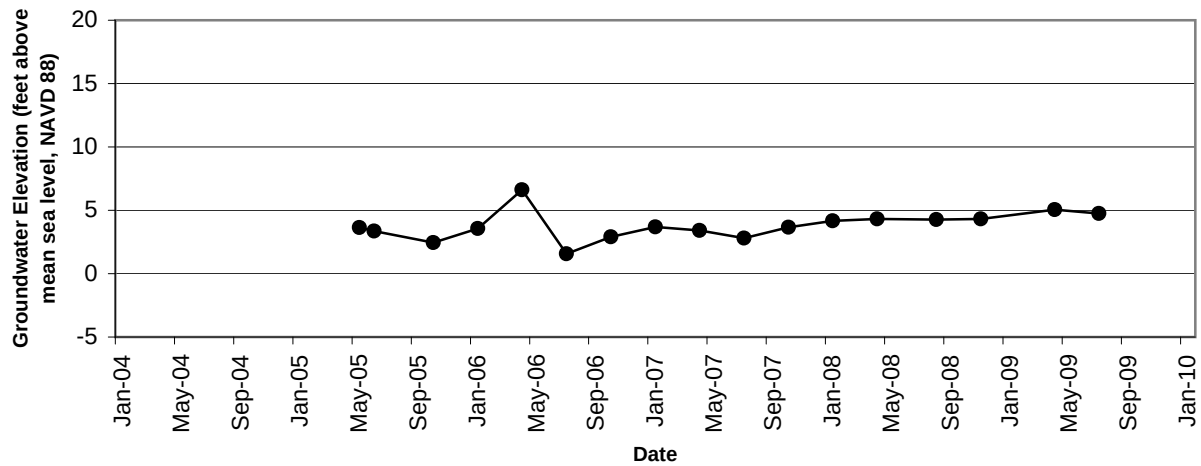
MP 1 5/19/05-1/22/07
MP 2 1/22/07 - current

**City of Lathrop - MWM-3
Groundwater Elevation**



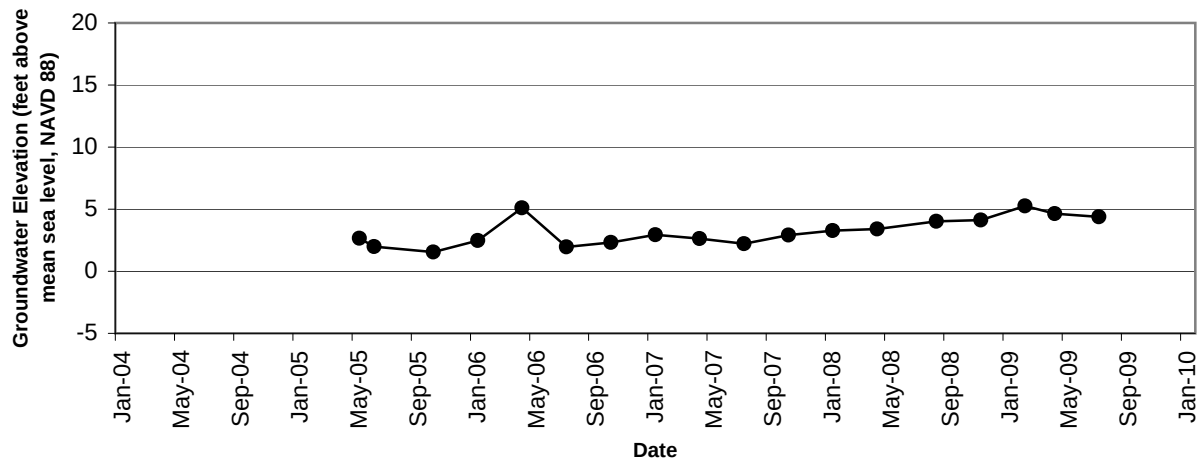
MWM-3			
MP		NGVD 29 13.12	NAVD 88 15.51
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
7/5/2005	11.35	1.77	4.16
7/19/2005	11.84	1.28	3.67
10/12/2005	12.63	0.49	2.88
1/31/2006	11.56	1.56	3.95
4/25/2006	8.29	4.83	7.22
7/19/2006	14.78	-1.66	0.73
10/13/2006	12.51	0.61	3.00
1/23/2007	12.32	0.80	3.19
4/24/2007	12.39	0.73	3.12
7/24/2007	12.85	0.27	2.66
10/30/2007	12.14	0.98	3.37
1/24/2008	11.75	1.37	3.76
4/15/2008	11.27	1.85	4.24
8/25/2008	11.12	2.00	4.39
11/24/2008	11.28	1.84	4.23
4/15/2009	10.73	2.39	4.78
7/29/2009	10.90	2.22	4.61

**City of Lathrop - MWM-4
Groundwater Elevation**



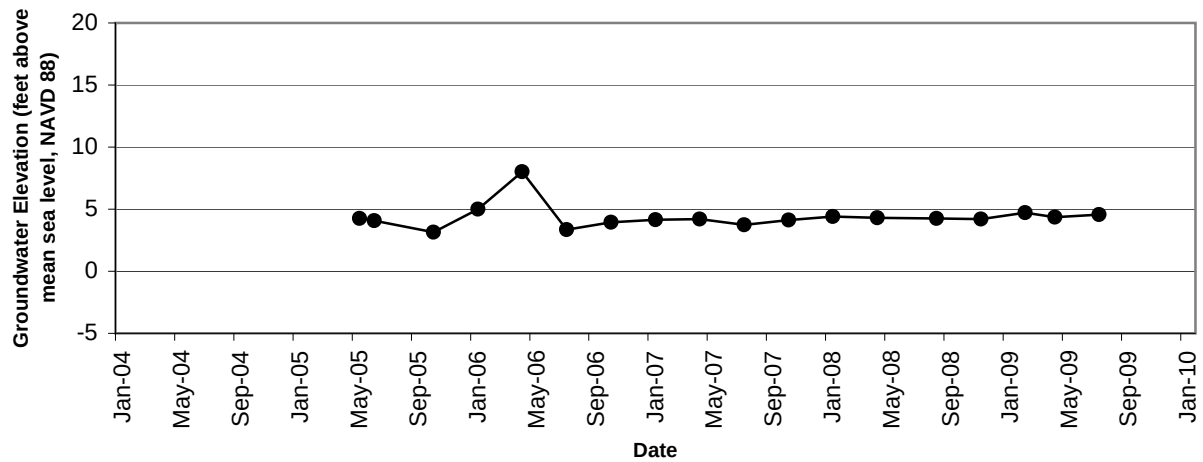
MWM-4			
MP		NGVD 29 11.67	NAVD 88 14.06
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/19/2005	10.42	1.25	3.64
6/28/2005	10.69	0.98	3.37
10/12/2005	11.60	0.07	2.46
1/31/2006	10.50	1.17	3.56
4/25/2006	7.45	4.22	6.61
7/19/2006	12.49	-0.82	1.57
10/13/2006	11.15	0.52	2.91
1/23/2007	10.38	1.29	3.68
4/24/2007	10.65	1.02	3.41
7/24/2007	11.25	0.42	2.81
10/30/2007	10.39	1.28	3.67
1/24/2008	9.90	1.77	4.16
4/15/2008	9.73	1.94	4.33
8/25/2008	9.78	1.89	4.28
11/24/2008	9.73	1.94	4.33
4/15/2009	9.02	2.65	5.04
7/29/2009	9.30	2.37	4.76

**City of Lathrop - MWM-5
Groundwater Elevation**



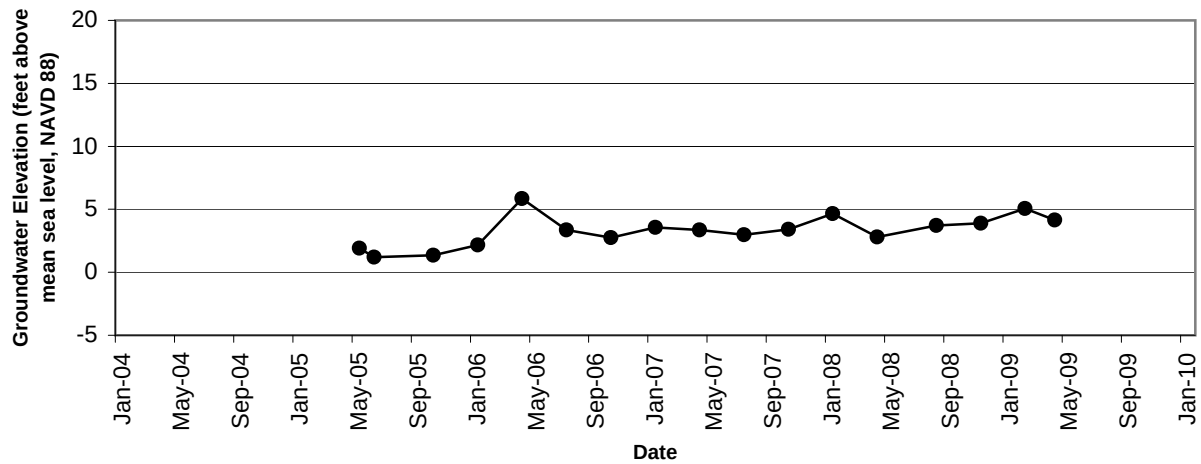
MWM-5			
MP		NGVD 29 11.96	NAVD 88 14.35
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/20/2005	11.70	0.26	2.65
6/28/2005	12.36	-0.40	1.99
10/12/2005	12.80	-0.84	1.55
1/31/2006	11.87	0.09	2.48
4/25/2006	9.24	2.72	5.11
7/19/2006	12.38	-0.42	1.97
10/13/2006	12.04	-0.08	2.31
1/23/2007	11.40	0.56	2.95
4/24/2007	11.73	0.23	2.62
7/24/2007	12.14	-0.18	2.21
10/30/2007	11.43	0.53	2.92
1/24/2008	11.07	0.89	3.28
4/15/2008	10.94	1.02	3.41
8/25/2008	10.32	1.64	4.03
11/24/2008	10.22	1.74	4.13
2/17/2009	9.08	2.88	5.27
4/15/2009	9.72	2.24	4.63
7/29/2009	9.98	1.98	4.37

**City of Lathrop - MWM-6
Groundwater Elevation**



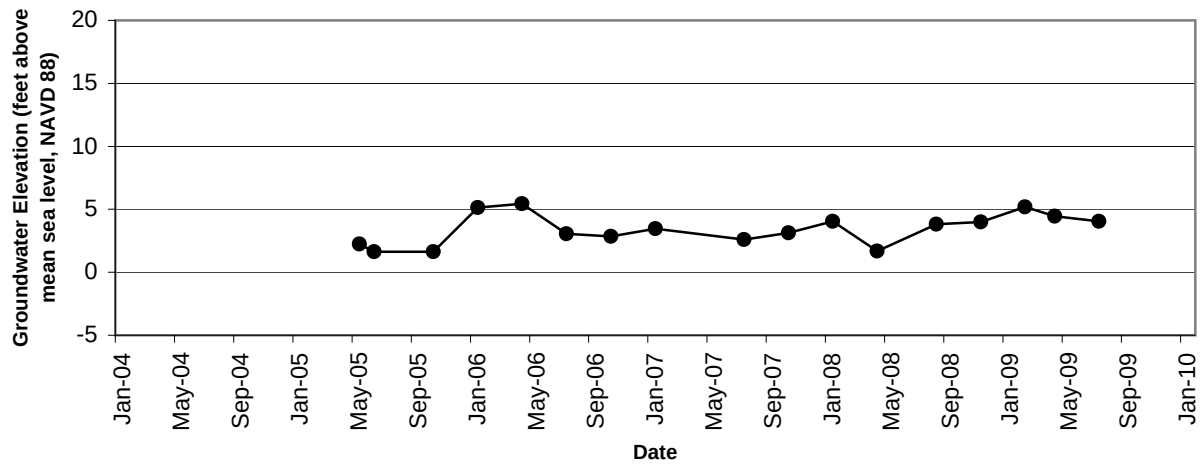
MWM-6			
		NGVD 29	NAVD 88
MP		9.23	11.62
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/23/2005	7.36	1.87	4.26
6/28/2005	7.56	1.67	4.06
10/12/2005	8.47	0.76	3.15
1/31/2006	6.62	2.61	5.00
4/25/2006	3.61	5.62	8.01
7/19/2006	8.26	0.97	3.36
10/13/2006	7.68	1.55	3.94
1/23/2007	7.47	1.76	4.15
4/24/2007	7.43	1.80	4.19
7/24/2007	7.89	1.34	3.73
10/30/2007	7.50	1.73	4.12
1/24/2008	7.20	2.03	4.42
4/15/2008	7.32	1.91	4.30
8/25/2008	7.38	1.85	4.24
11/17/2008	7.42	1.81	4.20
2/17/2009	6.90	2.33	4.72
4/13/2009	7.27	1.96	4.35
7/27/2009	7.06	2.17	4.56

**City of Lathrop - MWM-7
Groundwater Elevation**



MWM-7			
MP		NGVD 29 7.86	NAVD 88 10.25
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/23/2005	8.35	-0.49	1.90
6/28/2005	9.05	-1.19	1.20
10/12/2005	8.91	-1.05	1.34
1/31/2006	8.08	-0.22	2.17
4/25/2006	4.40	3.46	5.85
7/19/2006	6.89	0.97	3.36
10/13/2006	7.49	0.37	2.76
1/23/2007	6.70	1.16	3.55
4/24/2007	6.90	0.96	3.35
7/24/2007	7.28	0.58	2.97
10/30/2007	6.83	1.03	3.42
1/24/2008	5.60	2.26	4.65
4/15/2008	7.45	0.41	2.80
8/25/2008	6.54	1.32	3.71
11/17/2008	6.37	1.49	3.88
2/17/2009	5.18	2.68	5.07
4/15/2009	6.11	1.75	4.14
7/27/2009	--	--	--

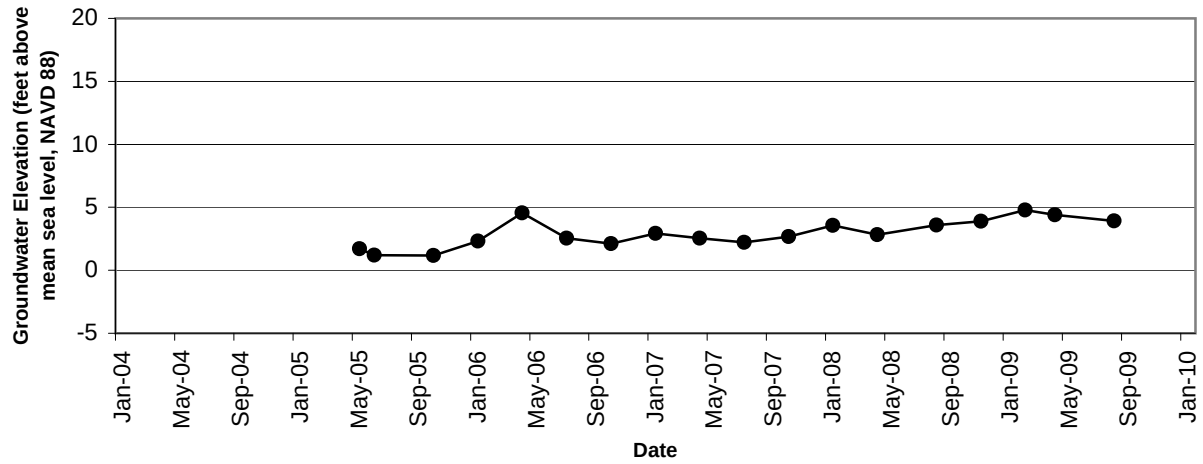
**City of Lathrop - MWM-8
Groundwater Elevation**



MWM-8			
		NGVD 29	NAVD 88
MP 1		7.96	10.35
MP 2		11.65	14.04
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/19/2005	8.10	-0.14	2.25
6/28/2005	8.71	-0.75	1.64
10/12/2005	12.41	-0.76	1.63
1/31/2006	8.91	2.74	5.13
4/25/2006	8.61	3.04	5.43
7/19/2006	10.98	0.67	3.06
10/13/2006	11.18	0.47	2.86
1/23/2007	10.58	1.07	3.46
7/24/2007	11.44	0.21	2.60
10/30/2007	10.91	0.74	3.13
1/24/2008	10.00	1.65	4.04
4/15/2008	12.37	-0.72	1.67
8/25/2008	10.23	1.42	3.81
11/17/2008	10.04	1.61	4.00
2/17/2009	8.86	2.79	5.18
4/13/2009	9.58	2.07	4.46
7/27/2009	9.99	1.66	4.05

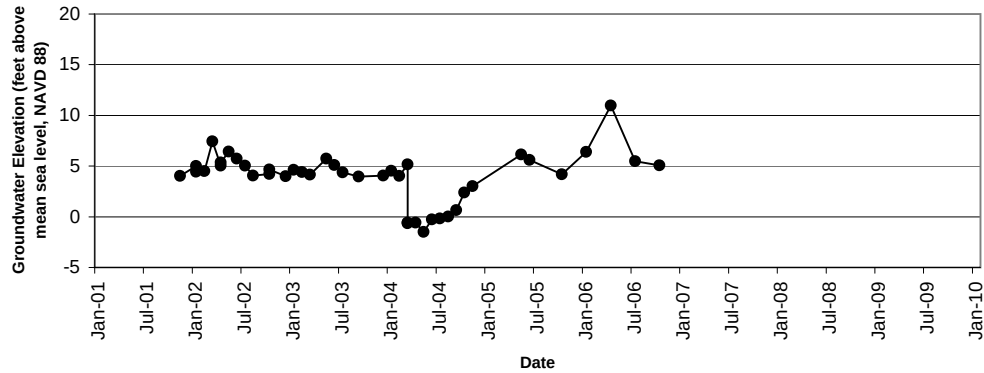
MP 1 5/16/05-7/8/05
MP 2 7/8/05 - current

**City of Lathrop - MWM-9
Groundwater Elevation**



MWM-9			
MP		NGVD 29 11.63	NAVD 88 14.02
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	12.30	-0.67	1.72
6/28/2005	12.83	-1.20	1.19
10/12/2005	12.84	-1.21	1.18
1/31/2006	11.71	-0.08	2.31
4/25/2006	9.47	2.16	4.55
7/19/2006	11.47	0.16	2.55
10/13/2006	11.90	-0.27	2.12
1/23/2007	11.10	0.53	2.92
4/24/2007	11.48	0.15	2.54
7/24/2007	11.81	-0.18	2.21
10/30/2007	11.35	0.28	2.67
1/24/2008	10.47	1.16	3.55
4/15/2008	11.19	0.44	2.83
8/19/2008	10.44	1.19	3.58
11/25/2008	10.14	1.49	3.88
2/18/2009	9.24	2.39	4.78
4/14/2009	9.63	2.00	4.39
8/3/2009	10.10	1.53	3.92

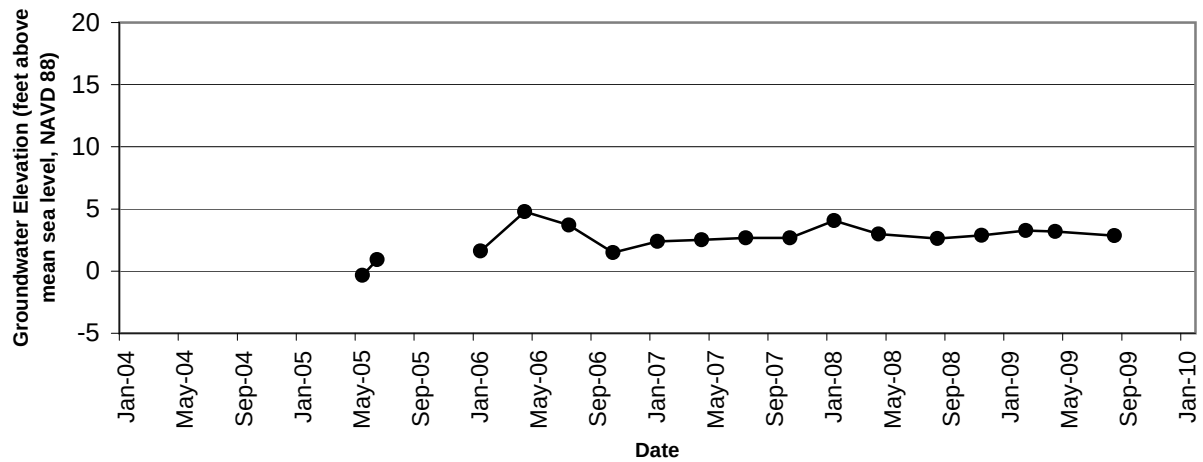
**City of Lathrop - MWM-10
Groundwater Elevation**



MWM-10			
MP		NGVD 29 15.22	NAVD 88 17.61
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
11/7/2001	13.59	1.63	4.02
1/16/2002	12.61	2.61	5.00
1/31/2002	13.16	2.06	4.45
2/28/2002	13.10	2.12	4.51
3/22/2002	10.17	5.05	7.44
4/16/2002	12.57	2.65	5.04
4/25/2002	12.27	2.95	5.34
5/24/2002	11.19	4.03	6.42
6/28/2002	11.88	3.34	5.73
7/25/2002	12.57	2.65	5.04
8/27/2002	13.56	1.66	4.05
10/7/2002	13.38	1.84	4.23
10/29/2002	12.95	2.27	4.66
12/10/2002	13.61	1.61	4.00
1/15/2003	12.99	2.23	4.62
2/13/2003	13.19	2.03	4.42
3/18/2003	13.46	1.76	4.15
5/7/2003	11.89	3.33	5.72
6/4/2003	12.51	2.71	5.10
7/28/2003	13.25	1.97	4.36
9/8/2003	13.65	1.57	3.96
12/16/2003	13.56	1.66	4.05
1/12/2004	13.09	2.13	4.52
2/2/2004	13.59	1.63	4.02
3/2/2004	12.45	2.77	5.16
3/29/2004	18.18	-2.96	-0.57
3/30/2004	18.24	-3.02	-0.63
4/1/2004	18.18	-2.96	-0.57
5/27/2004	19.11	-3.89	-1.50
6/30/2004	17.86	-2.64	-0.25
7/30/2004	17.77	-2.55	-0.16
8/20/2004	17.59	-2.37	0.02
9/27/2004	16.95	-1.73	0.66
10/22/2004	15.21	0.01	2.40
11/11/2004	14.58	0.64	3.03
5/23/2005	11.46	3.76	6.15
6/28/2005	12.00	3.22	5.61
10/12/2005	13.41	1.81	4.20
1/31/2006	11.21	4.01	6.40

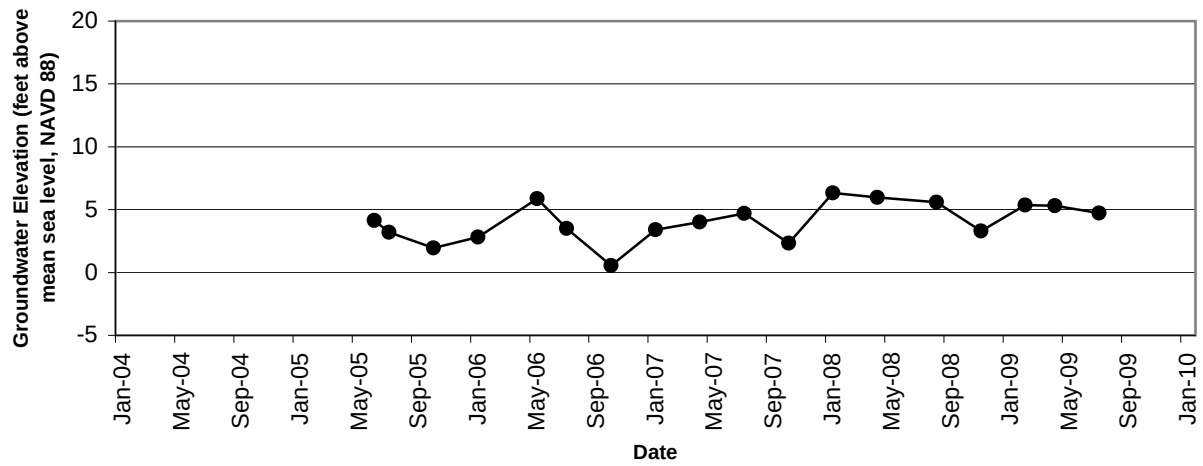
MWM-10			
MP		NGVD 29 15.22	NAVD 88 17.61
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
4/25/2006	6.65	8.57	10.96
7/19/2006	12.12	3.10	5.49
10/13/2006	12.55	2.67	5.06

**City of Lathrop - MWM-11
Groundwater Elevation**



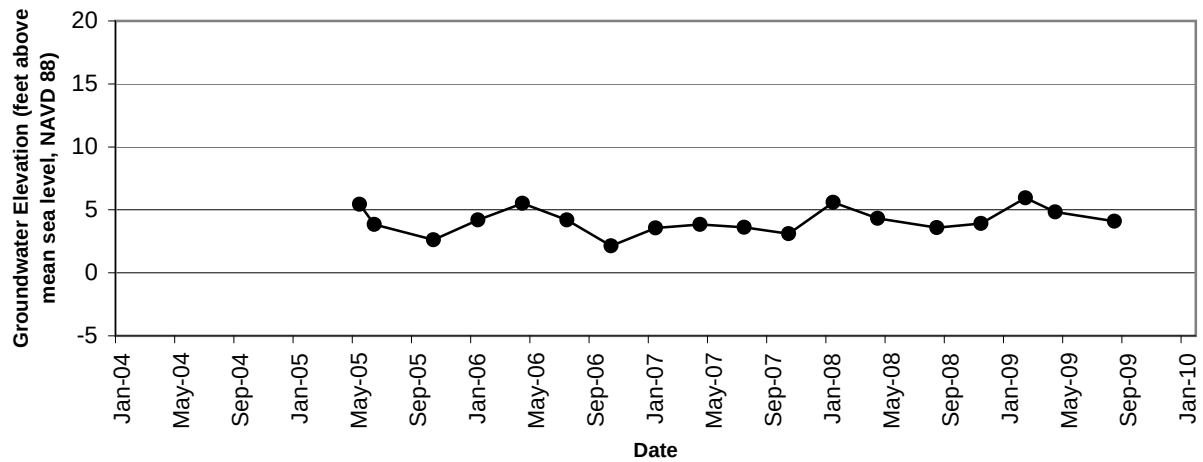
MWM-11			
MP		NGVD 29	NAVD 88
		8.62	11.01
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/23/2005	11.35	-2.73	-0.34
6/28/2005	10.10	-1.48	0.91
10/12/2005	--	--	--
1/31/2006	9.39	-0.77	1.62
4/25/2006	6.23	2.39	4.78
7/19/2006	7.31	1.31	3.70
10/13/2006	9.51	-0.89	1.50
1/23/2007	8.62	0.00	2.39
4/24/2007	8.50	0.12	2.51
7/24/2007	8.34	0.28	2.67
10/30/2007	8.35	0.27	2.66
1/24/2008	6.94	1.68	4.07
4/15/2008	8.04	0.58	2.97
8/19/2008	8.40	0.22	2.61
11/25/2008	8.14	0.48	2.87
2/17/2009	7.75	0.87	3.26
4/14/2009	7.82	0.80	3.19
8/3/2009	8.16	0.46	2.85

**City of Lathrop - MWM-12
Groundwater Elevation**



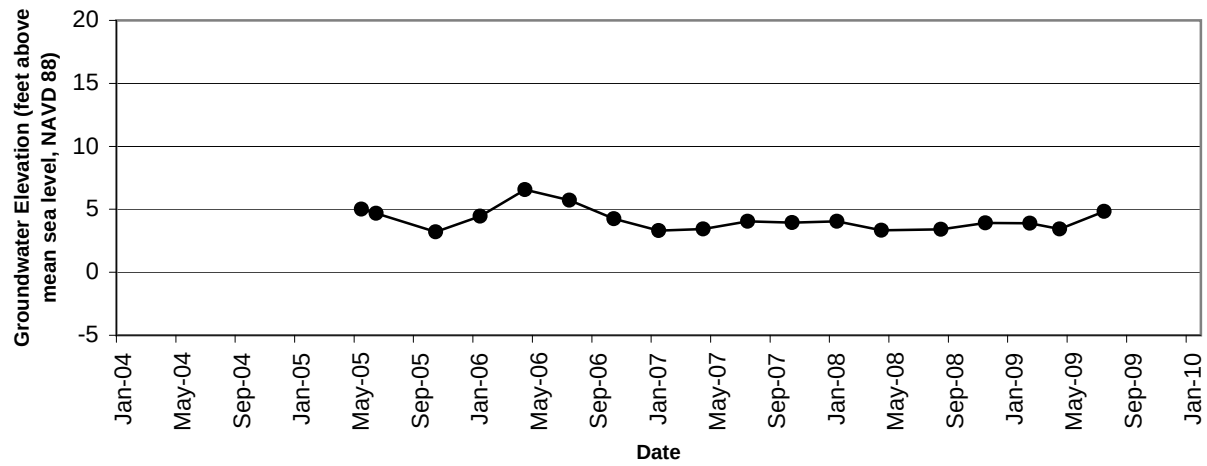
MWM-12			
MP		NGVD 29 11.13	NAVD 88 13.52
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
6/28/2005	9.37	1.76	4.15
7/19/2005	10.33	0.80	3.19
10/12/2005	11.56	-0.43	1.96
1/31/2006	10.71	0.42	2.81
5/2/2006	7.65	3.48	5.87
7/19/2006	10.02	1.11	3.50
10/13/2006	12.96	-1.83	0.56
1/23/2007	10.13	1.00	3.39
4/24/2007	9.50	1.63	4.02
7/24/2007	8.81	2.32	4.71
10/30/2007	11.20	-0.07	2.32
1/24/2008	7.18	3.95	6.34
4/15/2008	7.55	3.58	5.97
8/25/2008	7.93	3.20	5.59
11/14/2008	10.23	0.90	3.29
2/18/2009	8.15	2.98	5.37
4/15/2009	8.20	2.93	5.32
7/29/2009	8.80	2.33	4.72

**City of Lathrop - MWM-13
Groundwater Elevation**



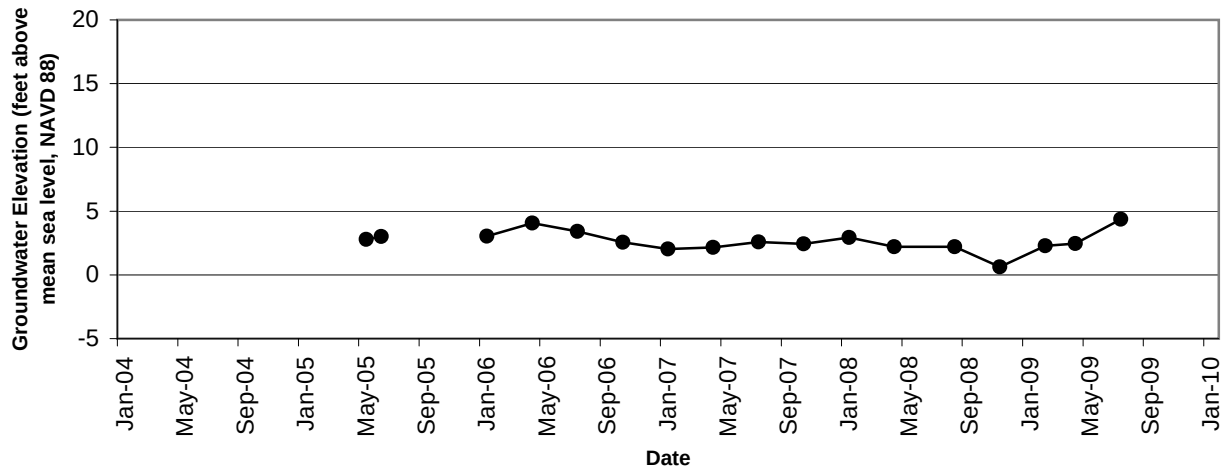
MWM-13			
MP		NGVD 29 10.74	NAVD 88 13.13
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	7.70	3.04	5.43
6/28/2005	9.29	1.45	3.84
10/12/2005	10.50	0.24	2.63
1/31/2006	8.94	1.80	4.19
4/25/2006	7.62	3.12	5.51
7/19/2006	8.93	1.81	4.20
10/13/2006	11.00	-0.26	2.13
1/23/2007	9.56	1.18	3.57
4/24/2007	9.29	1.45	3.84
7/24/2007	9.51	1.23	3.62
10/30/2007	10.02	0.72	3.11
1/24/2008	7.54	3.20	5.59
4/15/2008	8.80	1.94	4.33
8/19/2008	9.55	1.19	3.58
11/19/2008	9.21	1.53	3.92
2/17/2009	7.18	3.56	5.95
4/14/2009	8.30	2.44	4.83
8/3/2009	9.03	1.71	4.10

**City of Lathrop - MWM-14
Groundwater Elevation**



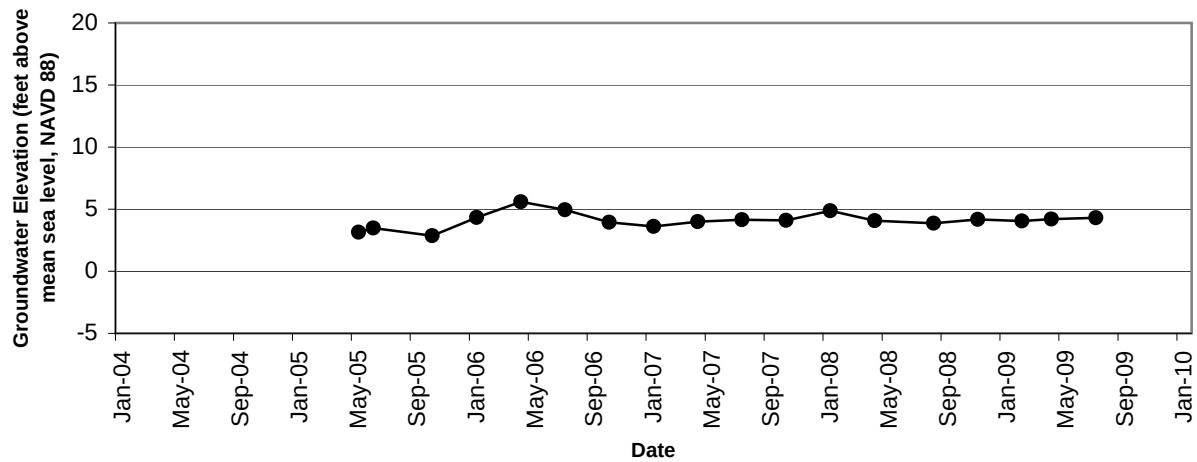
MWM-14			
MP		NGVD 29	NAVD 88
		8.54	10.93
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	5.93	2.61	5.00
6/28/2005	6.24	2.30	4.69
10/12/2005	7.73	0.81	3.20
1/31/2006	6.48	2.06	4.45
4/25/2006	4.38	4.16	6.55
7/19/2006	5.21	3.33	5.72
10/13/2006	6.67	1.87	4.26
1/23/2007	7.63	0.91	3.30
4/24/2007	7.49	1.05	3.44
7/24/2007	6.88	1.66	4.05
10/30/2007	6.98	1.56	3.95
1/24/2008	6.89	1.65	4.04
4/15/2008	7.60	0.94	3.33
8/19/2008	7.51	1.03	3.42
11/25/2008	7.00	1.54	3.93
2/17/2009	7.05	1.49	3.88
4/14/2009	7.50	1.04	3.43
7/30/2009	6.10	2.44	4.83

**City of Lathrop - MWM-15
Groundwater Elevation**



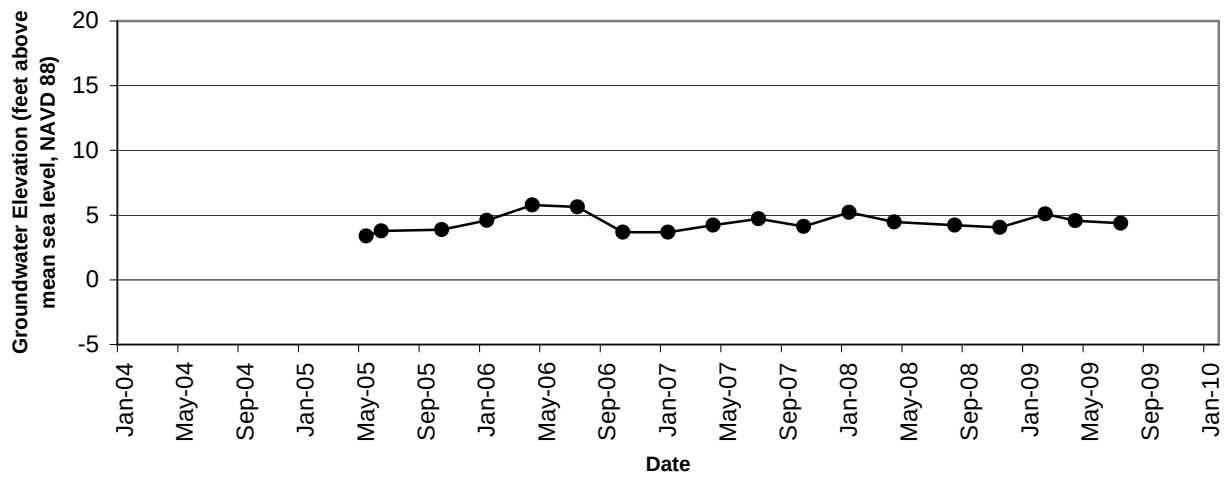
MWM-15			
MP		NGVD 29	NAVD 88
		10.87	13.26
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	10.48	0.39	2.78
6/28/2005	10.25	0.62	3.01
10/12/2005	--		
1/31/2006	10.22	0.65	3.04
4/25/2006	9.19	1.68	4.07
7/19/2006	9.84	1.03	3.42
10/13/2006	10.70	0.17	2.56
1/23/2007	11.24	-0.37	2.02
4/24/2007	11.10	-0.23	2.16
7/24/2007	10.67	0.20	2.59
10/30/2007	10.82	0.05	2.44
1/24/2008	10.34	0.53	2.92
4/15/2008	11.05	-0.18	2.21
8/19/2008	11.05	-0.18	2.21
11/25/2008	12.65	-1.78	0.61
2/11/2009	10.98	-0.11	2.28
4/14/2009	10.80	0.07	2.46
7/30/2009	8.90	1.97	4.36

**City of Lathrop - MWM-16
Groundwater Elevation**



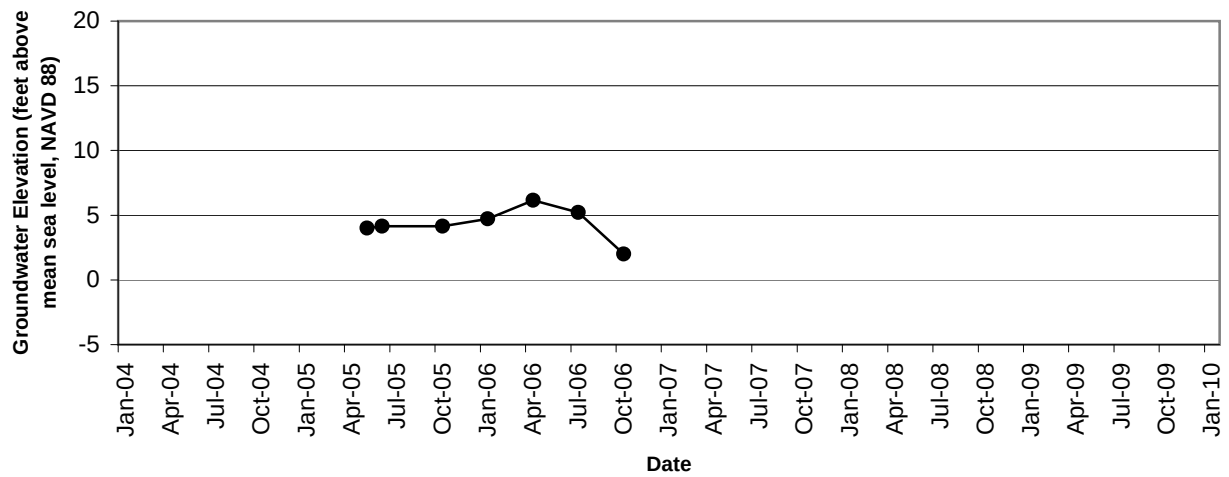
MWM-16			
MP		NGVD 29 9.41	NAVD 88 11.80
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	8.65	0.76	3.15
6/28/2005	8.31	1.10	3.49
10/12/2005	8.95	0.46	2.85
1/31/2006	7.47	1.94	4.33
4/25/2006	6.20	3.21	5.60
7/19/2006	6.85	2.56	4.95
10/13/2006	7.85	1.56	3.95
1/23/2007	8.20	1.21	3.60
4/24/2007	7.81	1.60	3.99
7/24/2007	7.64	1.77	4.16
10/30/2007	7.70	1.71	4.10
1/24/2008	6.94	2.47	4.86
4/15/2008	7.73	1.68	4.07
8/19/2008	7.93	1.48	3.87
11/20/2008	7.63	1.78	4.17
2/11/2009	7.75	1.66	4.05
4/14/2009	7.60	1.81	4.20
7/30/2009	7.49	1.92	4.31

**City of Lathrop - MWM-17
Groundwater Elevation**



MWM-17			
MP		NGVD 29 9.88	NAVD 88 12.27
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	8.89	0.99	3.38
6/28/2005	8.50	1.38	3.77
10/12/2005	8.40	1.48	3.87
1/31/2006	7.67	2.21	4.60
4/25/2006	6.48	3.40	5.79
7/19/2006	6.64	3.24	5.63
10/13/2006	8.58	1.30	3.69
1/23/2007	8.58	1.30	3.69
4/24/2007	8.04	1.84	4.23
7/24/2007	7.54	2.34	4.73
10/30/2007	8.15	1.73	4.12
1/24/2008	7.05	2.83	5.22
4/15/2008	7.80	2.08	4.47
8/19/2008	8.04	1.84	4.23
11/20/2008	8.22	1.66	4.05
2/17/2009	7.19	2.69	5.08
4/14/2009	7.71	2.17	4.56
7/30/2009	7.89	1.99	4.38

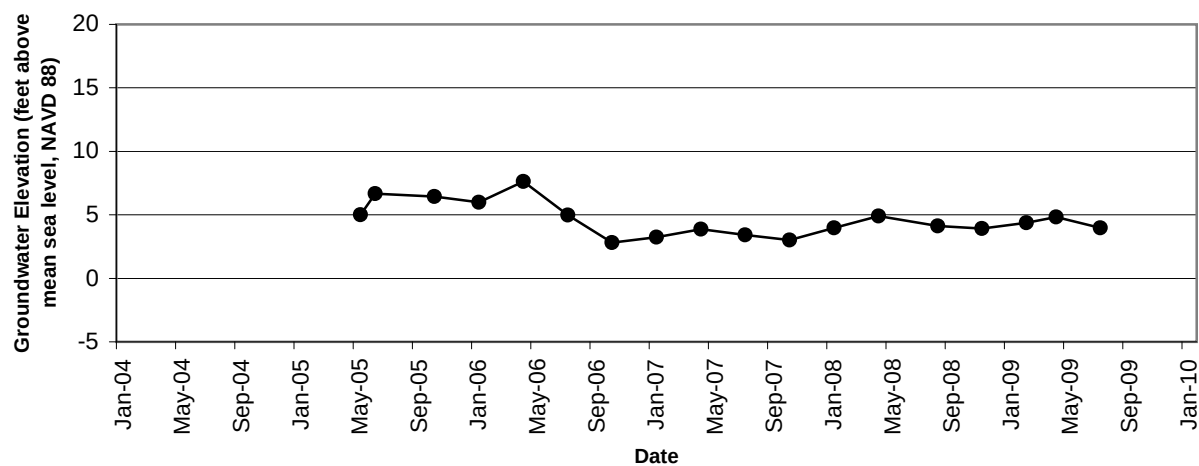
City of Lathrop - MWM-18 Groundwater Elevation



MWM-18			
		NGVD 29	NAVD 88
MP 1		9.50	11.89
MP 2		13.36	15.75
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	7.90	1.60	3.99
6/28/2005	7.74	1.76	4.15
10/12/2005	11.60	1.76	4.15
1/31/2006	11.04	2.32	4.71
4/25/2006	9.60	3.76	6.15
7/19/2006	10.53	2.83	5.22
10/13/2006	13.75	-0.39	2.00

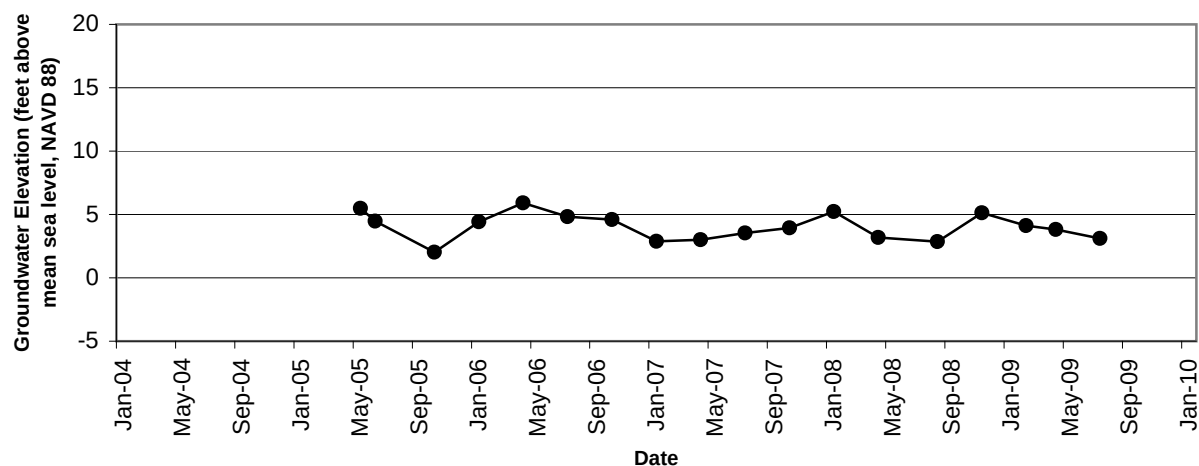
MP 1 5/16/05-7/8/05
MP 2 7/8/05 - current

**City of Lathrop - MWM-19
Groundwater Elevation**



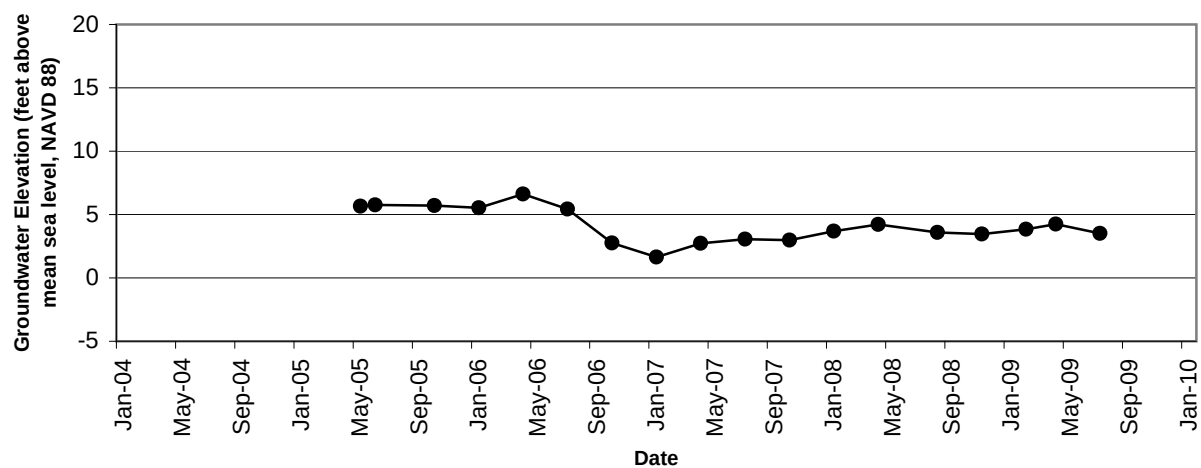
MWM-19			
MP		NGVD 29 11.66	NAVD 88 14.05
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/26/2005	9.05	2.61	5.00
6/28/2005	7.39	4.27	6.66
10/12/2005	7.61	4.05	6.44
1/31/2006	8.07	3.59	5.98
4/25/2006	6.42	5.24	7.63
7/19/2006	9.07	2.59	4.98
10/13/2006	11.23	0.43	2.82
1/23/2007	10.80	0.86	3.25
4/24/2007	10.18	1.48	3.87
7/24/2007	10.63	1.03	3.42
10/30/2007	11.03	0.63	3.02
1/24/2008	10.09	1.57	3.96
4/15/2008	9.15	2.51	4.90
8/19/2008	9.93	1.73	4.12
11/20/2008	10.14	1.52	3.91
2/11/2009	9.68	1.98	4.37
4/13/2009	9.22	2.44	4.83
7/30/2009	10.07	1.59	3.98

**City of Lathrop - MWM-20
Groundwater Elevation**



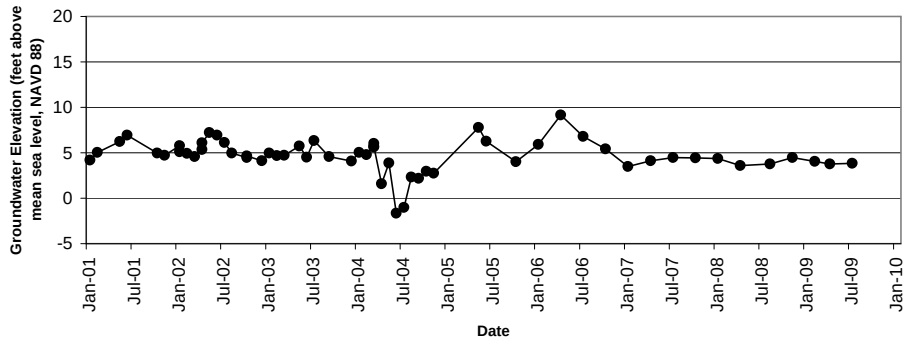
MWM-20			
MP		NGVD 29 8.38	NAVD 88 10.77
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/25/2005	5.30	3.08	5.47
6/28/2005	6.29	2.09	4.48
10/12/2005	8.74	-0.36	2.03
1/31/2006	6.36	2.02	4.41
4/25/2006	4.86	3.52	5.91
7/19/2006	5.95	2.43	4.82
10/13/2006	6.18	2.20	4.59
1/23/2007	7.90	0.48	2.87
4/24/2007	7.77	0.61	3.00
7/24/2007	7.24	1.14	3.53
10/30/2007	6.82	1.56	3.95
1/24/2008	5.54	2.84	5.23
4/15/2008	7.60	0.78	3.17
8/18/2008	7.91	0.47	2.86
11/20/2008	5.65	2.73	5.12
2/11/2009	6.65	1.73	4.12
4/14/2009	6.96	1.42	3.81
7/30/2009	7.67	0.71	3.10

**City of Lathrop - MWM-21
Groundwater Elevation**



MWM-21			
MP		NGVD 29 8.37	NAVD 88 10.76
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	5.10	3.27	5.66
6/28/2005	4.99	3.38	5.77
10/12/2005	5.05	3.32	5.71
1/31/2006	5.24	3.13	5.52
4/25/2006	4.14	4.23	6.62
7/19/2006	5.34	3.03	5.42
10/13/2006	8.00	0.37	2.76
1/23/2007	9.11	-0.74	1.65
4/24/2007	8.04	0.33	2.72
7/24/2007	7.71	0.66	3.05
10/30/2007	7.78	0.59	2.98
1/24/2008	7.08	1.29	3.68
4/15/2008	6.55	1.82	4.21
8/18/2008	7.18	1.19	3.58
11/20/2008	7.30	1.07	3.46
2/11/2009	6.92	1.45	3.84
4/13/2009	6.51	1.86	4.25
7/28/2009	7.25	1.12	3.51

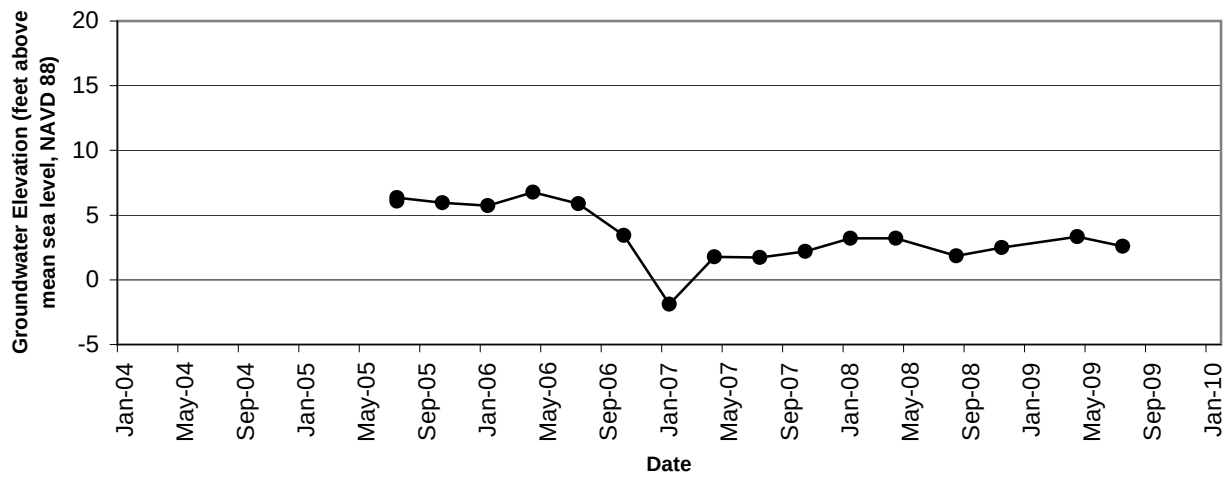
**City of Lathrop - MWM-22
Groundwater Elevation**



MWM-22			
MP		NGVD 29 10.77	NAVD 88 13.16
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/25/2001	8.96	1.81	4.20
2/27/2001	8.12	2.65	5.04
5/31/2001	6.91	3.86	6.25
6/13/2001	6.24	4.53	6.92
10/24/2001	8.21	2.56	4.95
11/7/2001	8.44	2.33	4.72
1/16/2002	7.38	3.39	5.78
1/31/2002	8.04	2.73	5.12
2/28/2002	8.23	2.54	4.93
3/22/2002	8.60	2.17	4.56
4/16/2002	7.82	2.95	5.34
4/25/2002	7.06	3.71	6.10
5/24/2002	5.94	4.83	7.22
6/28/2002	6.22	4.55	6.94
7/25/2002	7.05	3.72	6.11
8/27/2002	8.20	2.57	4.96
10/7/2002	8.68	2.09	4.48
10/29/2002	8.50	2.27	4.66
12/10/2002	9.04	1.73	4.12
1/15/2003	8.19	2.58	4.97
2/13/2003	8.48	2.29	4.68
3/18/2003	8.44	2.33	4.72
5/7/2003	7.42	3.35	5.74
6/4/2003	8.67	2.10	4.49
7/28/2003	6.81	3.96	6.35
9/8/2003	8.59	2.18	4.57
12/16/2003	9.07	1.70	4.09
1/12/2004	8.11	2.66	5.05
2/2/2004	8.37	2.40	4.79
3/2/2004	7.13	3.64	6.03
3/29/2004	7.51	3.26	5.65
3/30/2004	7.50	3.27	5.66
4/1/2004	11.59	-0.82	1.57
5/27/2004	9.29	1.48	3.87
6/30/2004	14.80	-4.03	-1.64
7/30/2004	14.17	-3.40	-1.01
8/20/2004	10.82	-0.05	2.34
9/27/2004	10.97	-0.20	2.19
10/22/2004	10.19	0.58	2.97
11/11/2004	10.43	0.34	2.73
5/25/2005	5.37	5.40	7.79
6/28/2005	6.89	3.88	6.27
10/12/2005	9.13	1.64	4.03
1/31/2006	7.25	3.52	5.91

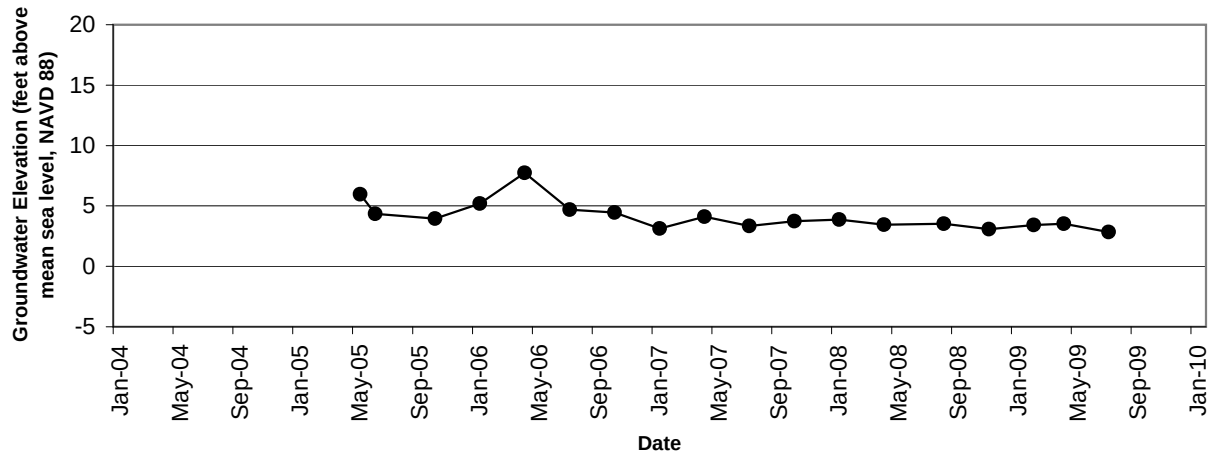
MWM-22			
MP		NGVD 29 10.77	NAVD 88 13.16
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
4/25/2006	4.02	6.75	9.14
7/19/2006	6.38	4.39	6.78
10/13/2006	7.72	3.05	5.44
1/23/2007	9.69	1.08	3.47
4/24/2007	9.03	1.74	4.13
7/24/2007	8.68	2.09	4.48
10/30/2007	8.74	2.03	4.42
1/24/2008	8.78	1.99	4.38
4/15/2008	9.58	1.19	3.58
8/18/2008	9.39	1.38	3.77
11/25/2008	8.68	2.09	4.48
2/11/2009	9.12	1.65	4.04
4/13/2009	9.40	1.37	3.76
7/28/2009	9.32	1.45	3.84

**City of Lathrop - MWM-23
Groundwater Elevation**



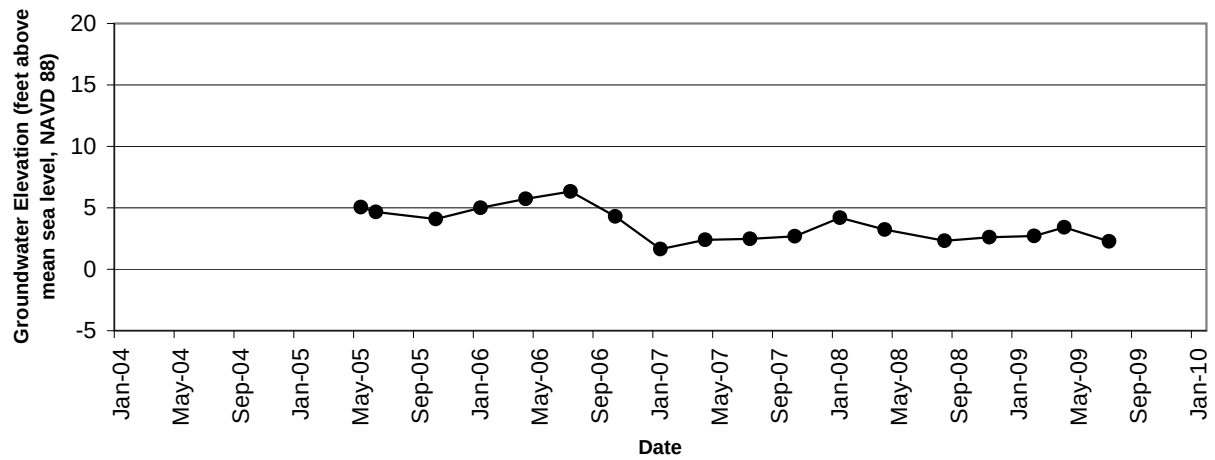
MWM-23			
MP		NGVD 29	NAVD 88
		10.94	13.33
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
7/5/2005	7.24	3.70	6.09
7/19/2005	6.99	3.95	6.34
10/12/2005	7.38	3.56	5.95
1/31/2006	7.59	3.35	5.74
4/25/2006	6.56	4.38	6.77
7/19/2006	7.44	3.50	5.89
10/13/2006	9.91	1.03	3.42
1/23/2007	15.21	-4.27	-1.88
4/24/2007	11.55	-0.61	1.78
7/24/2007	11.60	-0.66	1.73
10/30/2007	11.14	-0.20	2.19
1/24/2008	10.13	0.81	3.20
4/15/2008	10.12	0.82	3.21
8/18/2008	11.47	-0.53	1.86
11/24/2008	10.83	0.11	2.50
4/13/2009	10.00	0.94	3.33
7/28/2009	10.75	0.19	2.58

**City of Lathrop - MWM-24
Groundwater Elevation**



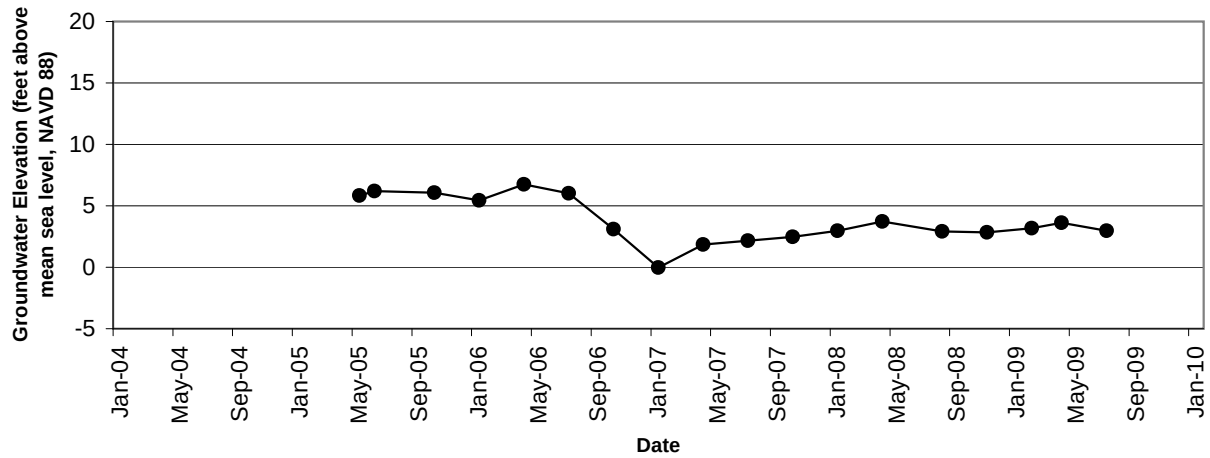
MWM-24			
MP		NGVD 29 10.38	NAVD 88 12.77
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	6.80	3.58	5.97
6/28/2005	8.41	1.97	4.36
10/12/2005	8.82	1.56	3.95
1/31/2006	7.57	2.81	5.20
4/25/2006	5.02	5.36	7.75
7/19/2006	8.08	2.30	4.69
10/13/2006	8.32	2.06	4.45
1/23/2007	9.63	0.75	3.14
4/24/2007	8.67	1.71	4.10
7/24/2007	9.42	0.96	3.35
10/30/2007	9.02	1.36	3.75
1/24/2008	8.90	1.48	3.87
4/15/2008	9.32	1.06	3.45
8/18/2008	9.23	1.15	3.54
11/25/2008	9.70	0.68	3.07
2/11/2009	9.36	1.02	3.41
4/13/2009	9.23	1.15	3.54
7/28/2009	9.93	0.45	2.84

**City of Lathrop - MWM-25
Groundwater Elevation**



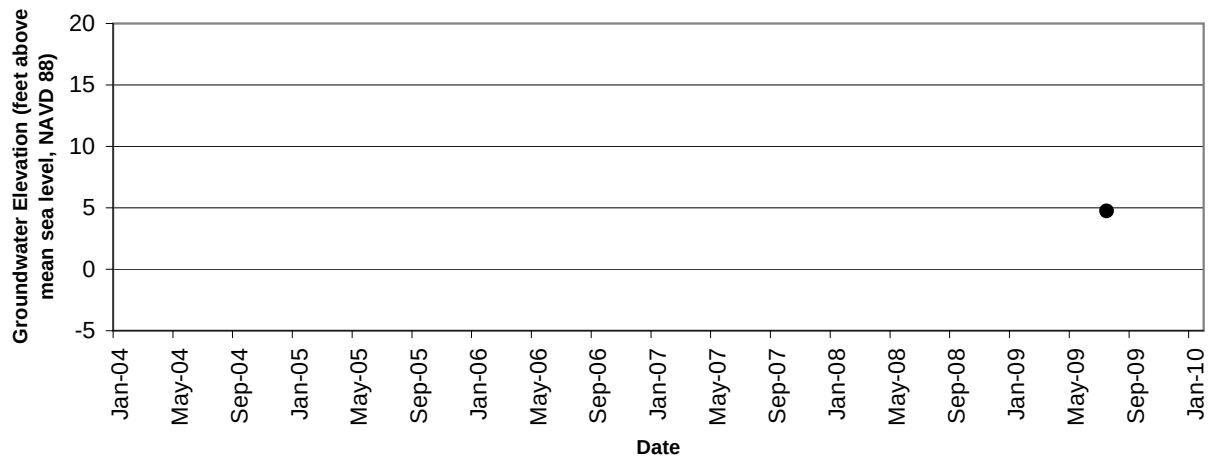
MWM-25			
MP		NGVD 29 7.45	NAVD 88 9.84
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/25/2005	4.78	2.67	5.06
6/28/2005	5.17	2.28	4.67
10/12/2005	5.75	1.70	4.09
1/31/2006	4.85	2.60	4.99
4/25/2006	4.10	3.35	5.74
7/19/2006	3.51	3.94	6.33
10/13/2006	5.55	1.90	4.29
1/23/2007	8.20	-0.75	1.64
4/24/2007	7.44	0.01	2.40
7/24/2007	7.37	0.08	2.47
10/30/2007	7.15	0.30	2.69
1/24/2008	5.66	1.79	4.18
4/15/2008	6.60	0.85	3.24
8/18/2008	7.52	-0.07	2.32
11/25/2008	7.24	0.21	2.60
2/11/2009	7.14	0.31	2.70
4/13/2009	6.43	1.02	3.41
7/28/2009	7.57	-0.12	2.27

**City of Lathrop - MWM-26
Groundwater Elevation**



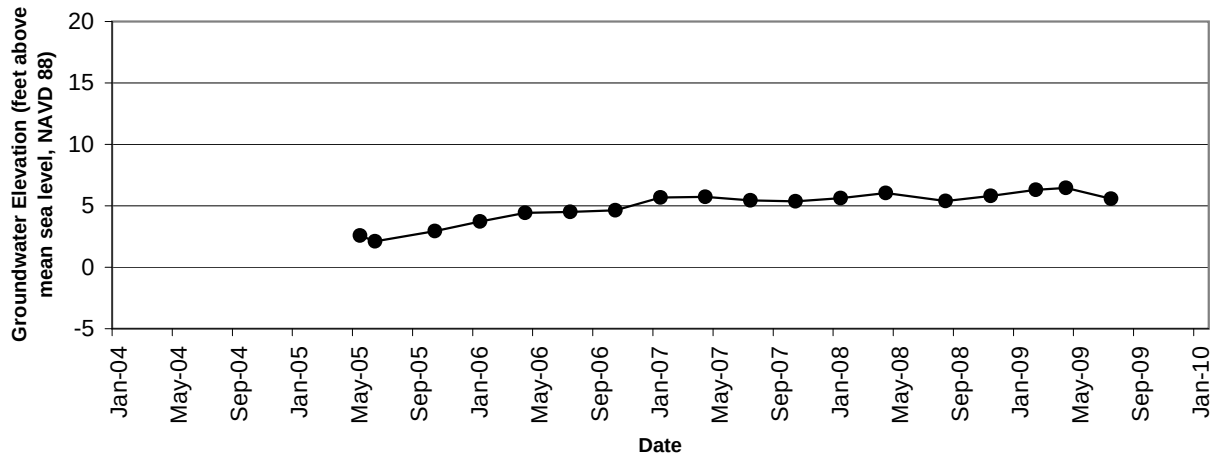
MWM-26			
MP		NGVD 29	NAVD 88
		9.04	11.43
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/24/2005	5.60	3.44	5.83
6/28/2005	5.23	3.81	6.20
10/12/2005	5.37	3.67	6.06
1/31/2006	6.00	3.04	5.43
4/25/2006	4.69	4.35	6.74
7/19/2006	5.41	3.63	6.02
10/13/2006	8.33	0.71	3.10
1/23/2007	11.45	-2.41	-0.02
4/24/2007	9.59	-0.55	1.84
7/24/2007	9.27	-0.23	2.16
10/30/2007	8.95	0.09	2.48
1/24/2008	8.47	0.57	2.96
4/15/2008	7.70	1.34	3.73
8/18/2008	8.52	0.52	2.91
11/25/2008	8.59	0.45	2.84
2/11/2009	8.25	0.79	3.18
4/13/2009	7.80	1.24	3.63
7/28/2009	8.47	0.57	2.96

**City of Lathrop - MWM-27
Groundwater Elevation**



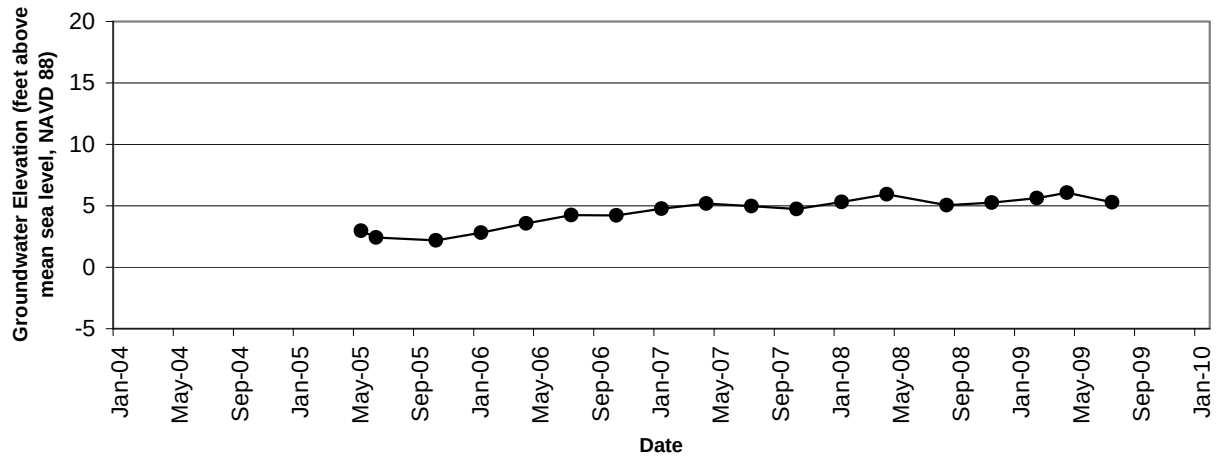
MWM-27			
MP		NGVD 29 9.09	NAVD 88 11.48
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
7/30/2009	6.75	2.34	4.73

**City of Lathrop - MBRMW-1
Groundwater Elevation**



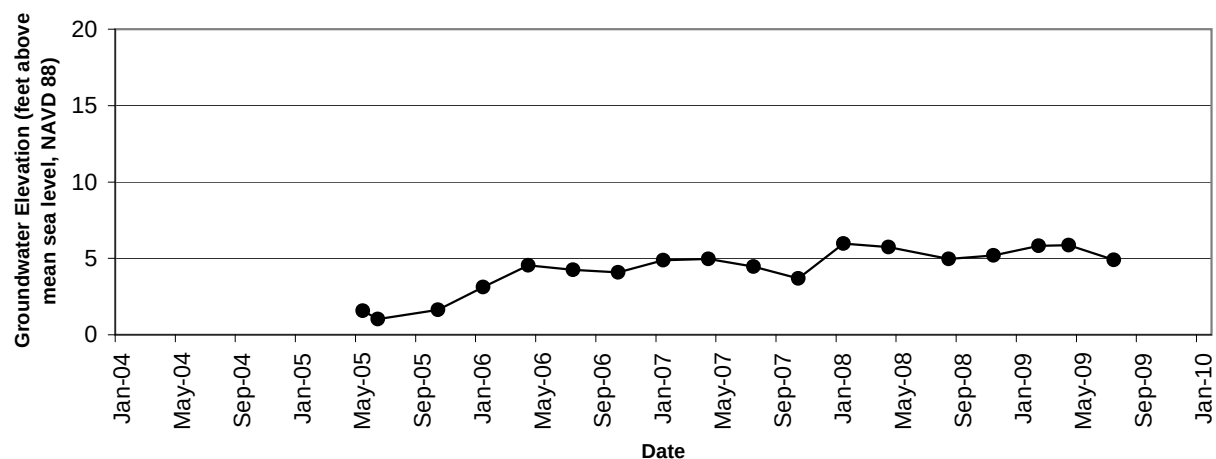
MBRMW-1			
MP		NGVD 29 17.58	NAVD 88 19.97
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/26/2005	17.38	0.20	2.59
6/28/2005	17.85	-0.27	2.12
10/12/2005	17.02	0.56	2.95
1/31/2006	16.25	1.33	3.72
4/25/2006	15.54	2.04	4.43
7/19/2006	15.46	2.12	4.51
10/13/2006	15.33	2.25	4.64
1/23/2007	14.30	3.28	5.67
4/24/2007	14.24	3.34	5.73
7/24/2007	14.53	3.05	5.44
10/30/2007	14.61	2.97	5.36
1/24/2008	14.34	3.24	5.63
4/15/2008	13.92	3.66	6.05
8/22/2008	14.59	2.99	5.38
11/19/2008	14.15	3.43	5.82
2/9/2009	13.66	3.92	6.31
4/16/2009	13.50	4.08	6.47
7/27/2009	14.39	3.19	5.58

**City of Lathrop - MBRMW-2
Groundwater Elevation**



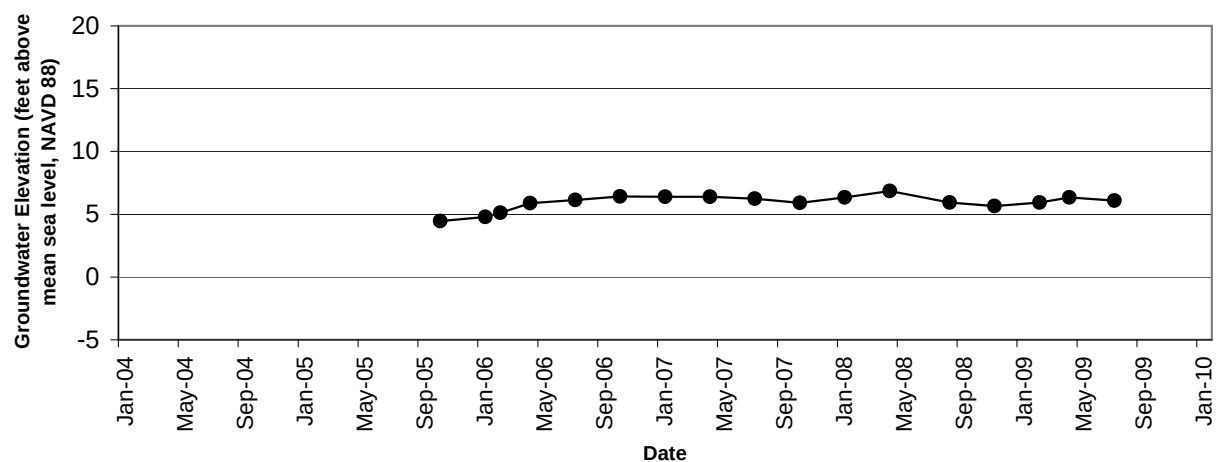
MBRMW-2			
MP		NGVD 29 17.68	NAVD 88 20.07
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/26/2005	17.10	0.58	2.97
6/28/2005	17.64	0.04	2.43
10/12/2005	17.87	-0.19	2.20
1/31/2006	17.25	0.43	2.82
4/25/2006	16.49	1.19	3.58
7/19/2006	15.82	1.86	4.25
10/13/2006	15.84	1.84	4.23
1/23/2007	15.30	2.38	4.77
4/24/2007	14.89	2.79	5.18
7/24/2007	15.10	2.58	4.97
10/30/2007	15.33	2.35	4.74
1/24/2008	14.76	2.92	5.31
4/15/2008	14.13	3.55	5.94
8/22/2008	15.01	2.67	5.06
11/19/2008	14.82	2.86	5.25
2/9/2009	14.45	3.23	5.62
4/16/2009	14.00	3.68	6.07
7/27/2009	14.79	2.89	5.28

**City of Lathrop - MBRMW-3
Groundwater Elevation**



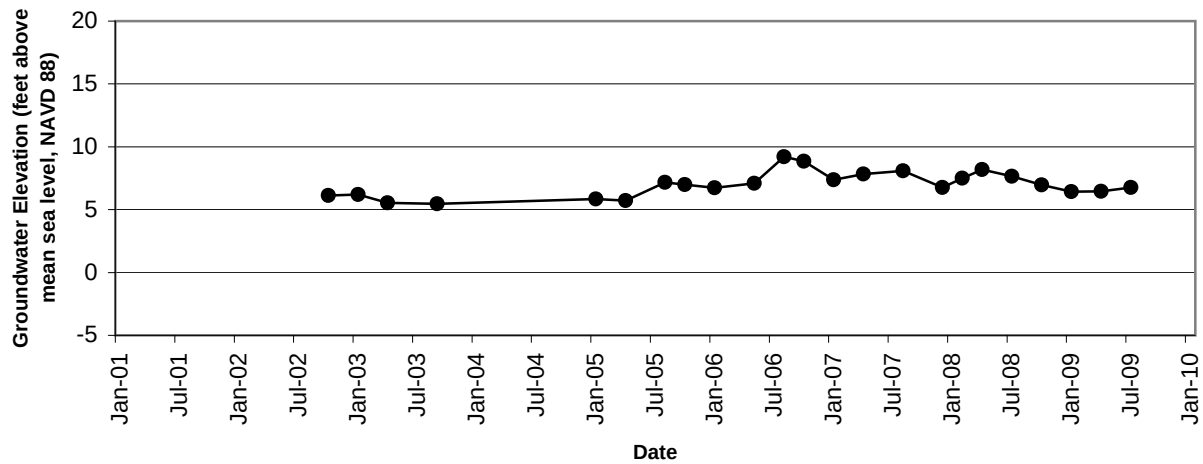
MBRMW-3			
MP		NGVD 29 12.18	NAVD 88 14.57
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
5/26/2005	13.00	-0.82	1.57
6/28/2005	13.55	-1.37	1.02
10/12/2005	12.93	-0.75	1.64
1/31/2006	11.44	0.74	3.13
4/25/2006	10.02	2.16	4.55
7/19/2006	10.32	1.86	4.25
10/13/2006	10.49	1.69	4.08
1/23/2007	9.69	2.49	4.88
4/24/2007	9.61	2.57	4.96
7/24/2007	10.11	2.07	4.46
10/30/2007	10.89	1.29	3.68
1/24/2008	8.60	3.58	5.97
4/15/2008	8.84	3.34	5.73
8/22/2008	9.61	2.57	4.96
11/19/2008	9.38	2.80	5.19
2/9/2009	8.75	3.43	5.82
4/16/2009	8.70	3.48	5.87
7/27/2009	9.67	2.51	4.90

**City of Lathrop - MBRMW-4
Groundwater Elevation**



MBRMW-4			
MP		NGVD 29 17.74	NAVD 88 20.13
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
10/3/2005	15.68	2.06	4.45
1/3/2006	15.34	2.40	4.79
2/10/2006	15.01	2.73	5.12
4/25/2006	14.25	3.49	5.88
7/19/2006	14.00	3.74	6.13
10/13/2006	13.71	4.03	6.42
1/23/2007	13.74	4.00	6.39
4/24/2007	13.73	4.01	6.40
7/24/2007	13.90	3.84	6.23
10/30/2007	14.23	3.51	5.90
1/24/2008	13.78	3.96	6.35
4/15/2008	13.28	4.46	6.85
8/22/2008	14.20	3.54	5.93
11/19/2008	14.48	3.26	5.65
2/9/2009	14.21	3.53	5.92
4/16/2009	13.80	3.94	6.33
7/27/2009	14.05	3.69	6.08

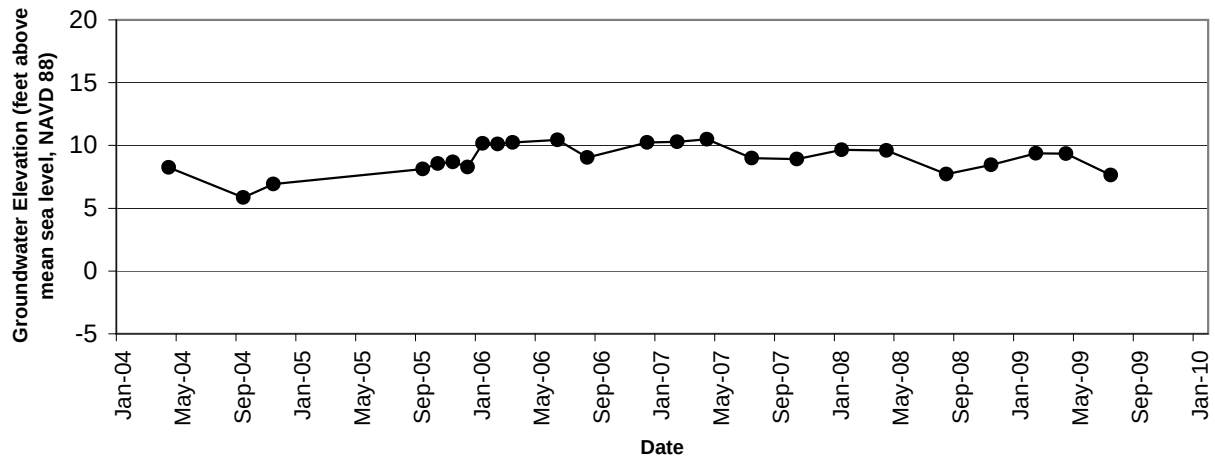
**City of Lathrop - KMW-4
Groundwater Elevation**



KMW-4			
		NGVD 29	NAVD 88
MP 1		17.40	19.79
MP 2		17.52	19.91
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
10/11/2002	13.67	3.73	6.12
1/24/2003	13.58	3.82	6.21
4/16/2003	14.25	3.15	5.54
9/24/2003	14.32	3.08	5.47
1/25/2005	13.95	3.45	5.84
4/21/2005	14.07	3.33	5.72
8/18/2005	12.62	4.78	7.17
10/12/2005	12.91	4.61	7.00
1/26/2006	13.17	4.35	6.74
5/1/2006	12.82	4.70	7.09
8/15/2006	10.70	6.82	9.21
10/13/2006	11.05	6.47	8.86
1/30/2007	12.53	4.99	7.38
4/30/2007	12.09	5.43	7.82
8/2/2007	11.82	5.70	8.09
12/3/2007	13.14	4.38	6.77
2/18/2008	12.42	5.10	7.49
4/16/2008	11.72	5.80	8.19
7/15/2008	12.25	5.27	7.66
10/20/2008	12.94	4.58	6.97
1/12/2009	13.49	4.03	6.42
4/20/2009	13.45	4.07	6.46
7/27/2009	13.16	4.36	6.75

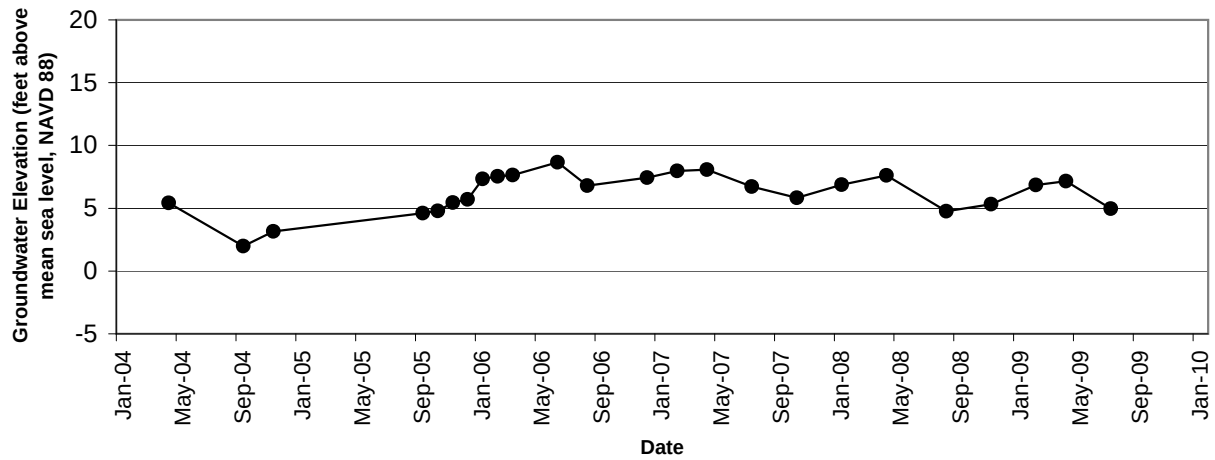
MP 1 10/11/02-7/11/05
MP 2 7/11/05 - current

**City of Lathrop - RMW-1
Groundwater Elevation**



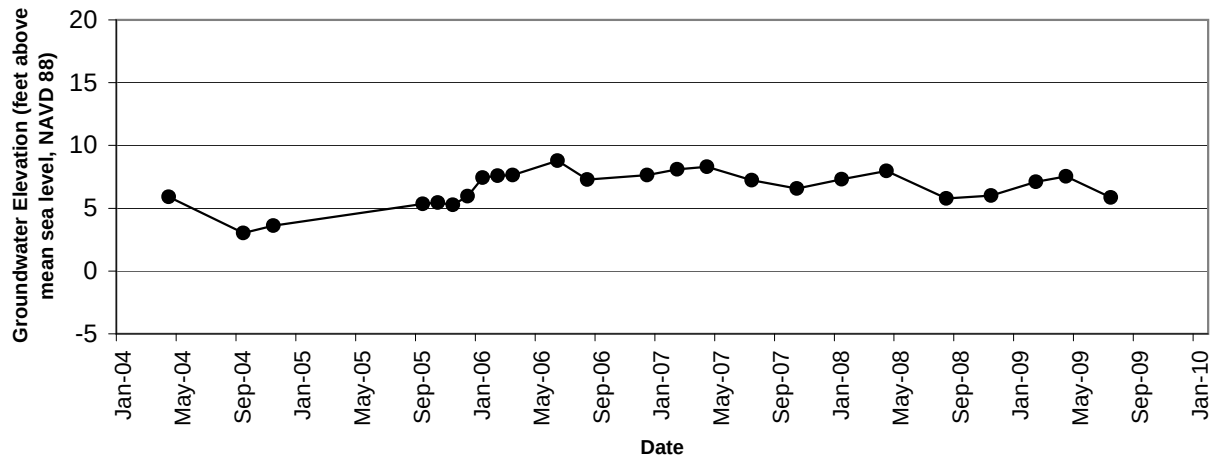
RMW-1			
MP		NGVD 29 20.39	NAVD 88 22.78
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
4/2/2004	14.54	5.85	8.24
9/28/2004	16.93	3.46	5.85
11/11/2004	15.86	4.53	6.92
9/23/2005	14.66	5.73	8.12
10/20/2005	14.21	6.18	8.57
11/21/2005	14.09	6.30	8.69
12/6/2005	14.50	5.89	8.28
1/31/2006	12.62	7.77	10.16
2/27/2006	12.66	7.73	10.12
3/3/2006	12.55	7.84	10.23
6/19/2006	12.34	8.05	10.44
8/24/2006	13.75	6.64	9.03
12/19/2006	12.55	7.84	10.23
2/12/2007	12.49	7.90	10.29
4/24/2007	12.28	8.11	10.50
7/24/2007	13.78	6.61	9.00
10/30/2007	13.87	6.52	8.91
1/24/2008	13.13	7.26	9.65
4/15/2008	13.18	7.21	9.60
8/25/2008	15.07	5.32	7.71
11/17/2008	14.33	6.06	8.45
2/19/2009	13.40	6.99	9.38
4/21/2009	13.44	6.95	9.34
7/27/2009	15.15	5.24	7.63

**City of Lathrop - RMW-2
Groundwater Elevation**



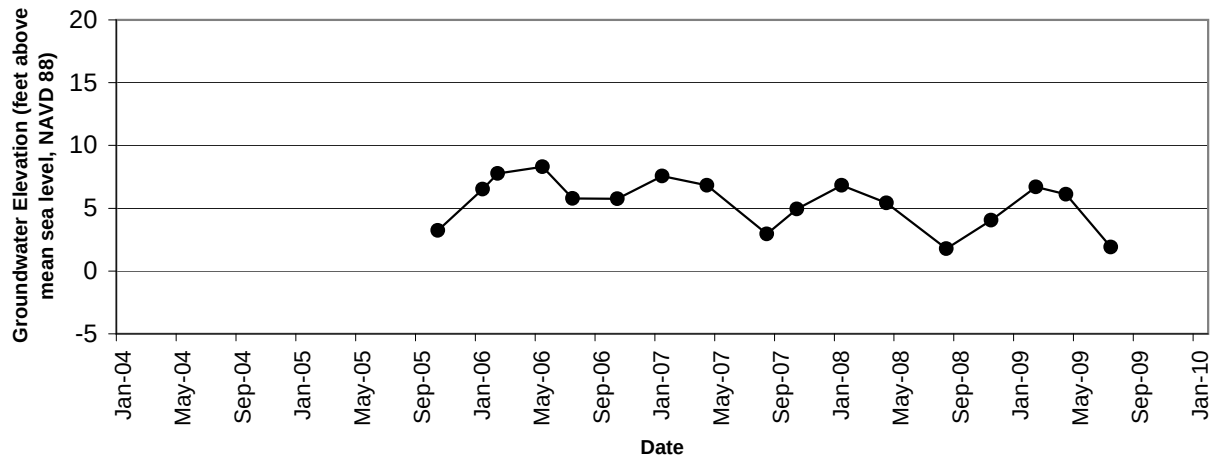
RMW-2			
MP		NGVD 29 21.87	NAVD 88 24.26
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
4/2/2004	18.83	3.04	5.43
9/28/2004	22.28	-0.41	1.98
11/11/2004	21.11	0.76	3.15
9/23/2005	19.64	2.23	4.62
10/20/2005	19.48	2.39	4.78
11/21/2005	18.82	3.05	5.44
12/6/2005	18.55	3.32	5.71
1/31/2006	16.93	4.94	7.33
2/27/2006	16.71	5.16	7.55
3/3/2006	16.62	5.25	7.64
6/19/2006	15.61	6.26	8.65
8/24/2006	17.45	4.42	6.81
12/19/2006	16.82	5.05	7.44
2/12/2007	16.28	5.59	7.98
4/24/2007	16.19	5.68	8.07
7/24/2007	17.55	4.32	6.71
10/30/2007	18.42	3.45	5.84
1/24/2008	17.39	4.48	6.87
4/15/2008	16.65	5.22	7.61
8/25/2008	19.49	2.38	4.77
11/17/2008	18.93	2.94	5.33
2/19/2009	17.40	4.47	6.86
4/21/2009	17.10	4.77	7.16
7/27/2009	19.29	2.58	4.97

**City of Lathrop - RMW-3
Groundwater Elevation**



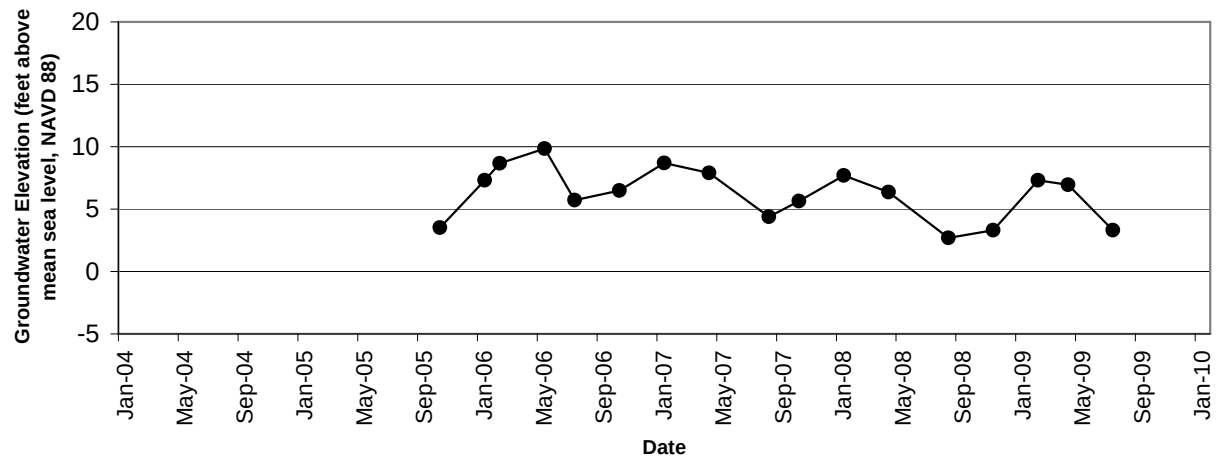
RMW-3			
MP		NGVD 29 22.48	NAVD 88 24.87
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
4/2/2004	18.97	3.51	5.90
9/28/2004	21.83	0.65	3.04
11/11/2004	21.26	1.22	3.61
9/23/2005	19.52	2.96	5.35
10/20/2005	19.41	3.07	5.46
11/21/2005	19.60	2.88	5.27
12/6/2005	18.91	3.57	5.96
1/31/2006	17.44	5.04	7.43
2/27/2006	17.27	5.21	7.60
3/3/2006	17.24	5.24	7.63
6/19/2006	16.08	6.40	8.79
8/24/2006	17.58	4.90	7.29
12/19/2006	17.22	5.26	7.65
2/12/2007	16.77	5.71	8.10
4/24/2007	16.57	5.91	8.30
7/24/2007	17.65	4.83	7.22
10/30/2007	18.31	4.17	6.56
1/24/2008	17.55	4.93	7.32
4/15/2008	16.91	5.57	7.96
8/25/2008	19.10	3.38	5.77
11/17/2008	18.86	3.62	6.01
2/19/2009	17.77	4.71	7.10
4/21/2009	17.34	5.14	7.53
7/27/2009	19.01	3.47	5.86

**City of Lathrop - RMW-4
Groundwater Elevation**



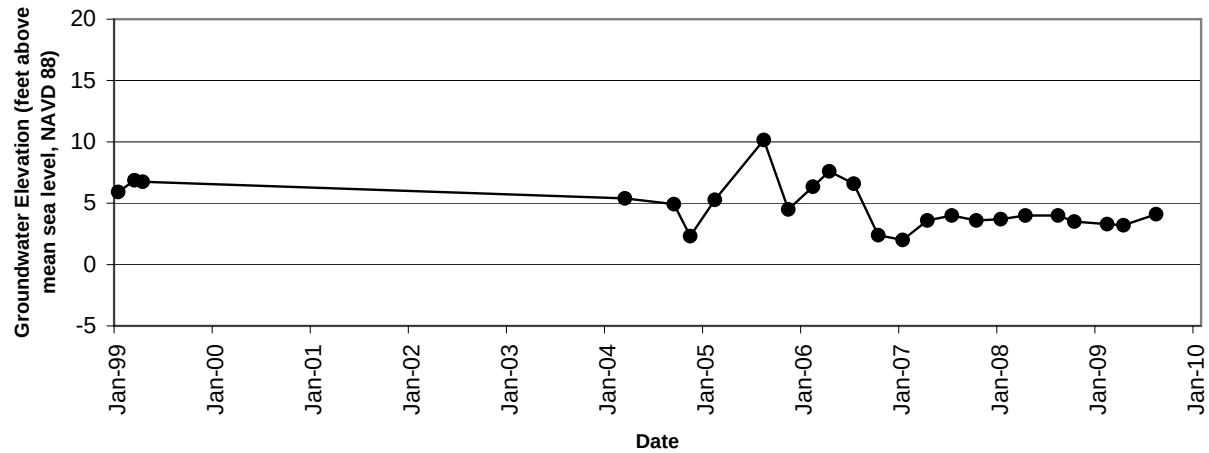
RMW-4			
MP		NGVD 29 21.61	NAVD 88 24.00
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
10/3/2005	20.76	0.85	3.24
1/3/2006	17.47	4.14	6.53
2/8/2006	16.22	5.39	7.78
5/5/2006	15.69	5.92	8.31
7/19/2006	18.21	3.40	5.79
10/13/2006	18.25	3.36	5.75
1/23/2007	16.43	5.18	7.57
4/24/2007	17.17	4.44	6.83
8/3/2007	21.05	0.56	2.95
10/30/2007	19.05	2.56	4.95
1/24/2008	17.17	4.44	6.83
4/21/2008	18.57	3.04	5.43
8/22/2008	22.23	-0.62	1.77
11/19/2008	19.95	1.66	4.05
2/9/2009	17.31	4.30	6.69
4/16/2009	17.90	3.71	6.10
7/27/2009	22.10	-0.49	1.90

**City of Lathrop - RMW-5
Groundwater Elevation**



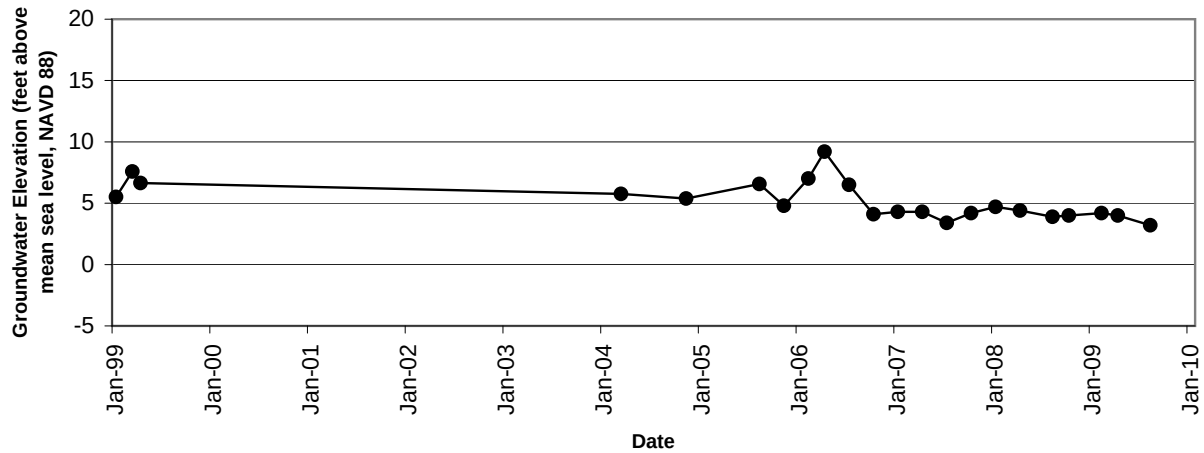
RMW-5			
MP		NGVD 29 20.87	NAVD 88 23.26
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
10/3/2005	19.75	1.12	3.51
1/3/2006	15.96	4.91	7.30
2/8/2006	14.60	6.27	8.66
5/5/2006	13.42	7.45	9.84
7/19/2006	17.54	3.33	5.72
10/13/2006	16.78	4.09	6.48
1/23/2007	14.57	6.30	8.69
4/24/2007	15.35	5.52	7.91
8/3/2007	18.88	1.99	4.38
10/30/2007	17.63	3.24	5.63
1/24/2008	15.57	5.30	7.69
4/21/2008	16.91	3.96	6.35
8/22/2008	20.57	0.30	2.69
11/19/2008	19.95	0.92	3.31
2/9/2009	15.95	4.92	7.31
4/16/2009	16.30	4.57	6.96
7/27/2009	19.96	0.91	3.30

**River Islands - MWR-1
Groundwater Elevation**



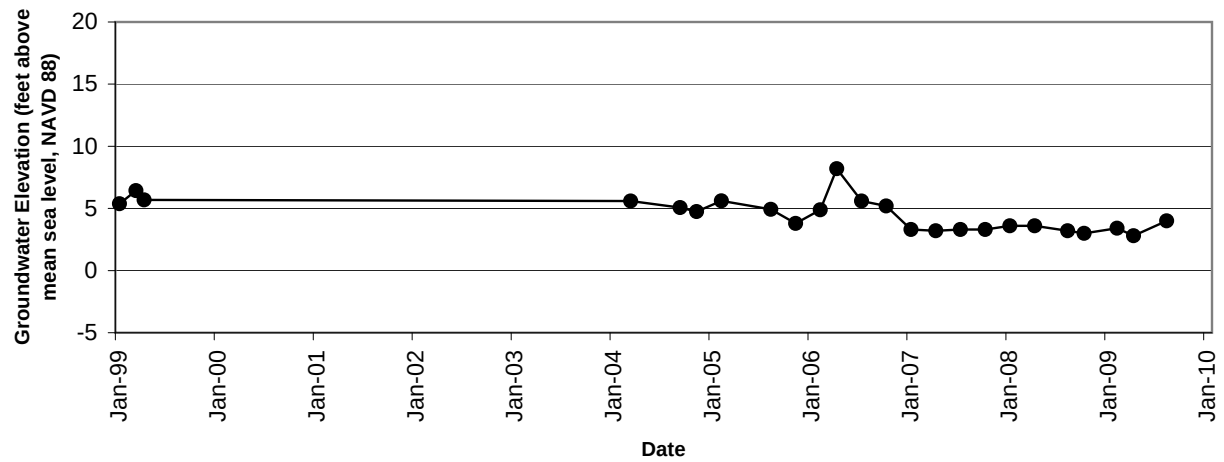
MWR-1			
MP		NGVD 29 17.01	NAVD 88 19.40
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/26/1999	13.49	3.52	5.91
3/2/1999	12.53	4.48	6.87
4/13/1999	12.65	4.36	6.75
3/15/2004	14.00	3.01	5.40
9/27/2004	14.47	2.54	4.93
11/15/2004	17.08	-0.07	2.32
2/24/2005	14.12	2.89	5.28
8/31/2005	9.24	7.77	10.16
11/30/2005	14.91	2.10	4.49
2/10/2006	13.05	3.96	6.35
4/25/2006	11.8	5.2	7.6
7/19/2006	12.8	4.2	6.6
10/13/2006	17.0	0.0	2.4
1/23/2007	17.4	-0.4	2.0
4/24/2007	15.8	1.2	3.6
7/24/2007	15.4	1.6	4.0
10/30/2007	15.8	1.2	3.6
1/24/2008	15.7	1.3	3.7
4/15/2008	15.4	1.6	4.0
8/21/2008	15.4	1.6	4.0
10/8/2008	15.9	1.1	3.5
2/9/2009	16.1	0.9	3.3
4/12/2009	16.2	0.8	3.2
8/4/2009	15.3	1.7	4.1

**River Islands - MWR-2
Groundwater Elevation**



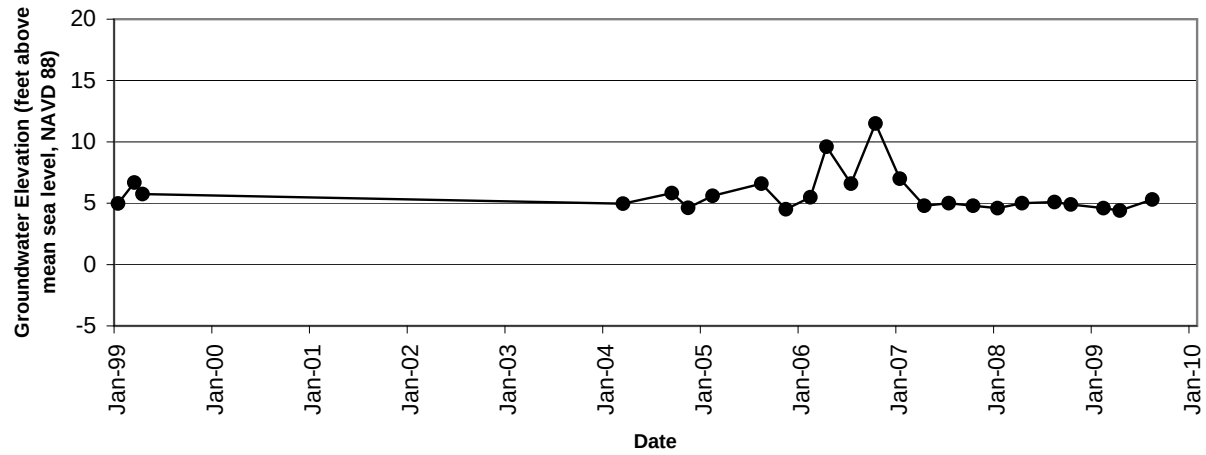
MWR-2			
MP		NGVD 29 15.74	NAVD 88 18.13
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/26/1999	12.62	3.12	5.51
3/2/1999	10.54	5.20	7.59
4/12/1999	11.49	4.25	6.64
3/15/2004	12.37	3.37	5.76
11/15/2004	12.75	2.99	5.38
8/31/2005	11.56	4.18	6.57
11/30/2005	13.33	2.41	4.80
2/10/2006	11.12	4.62	7.01
4/25/2006	8.9	6.8	9.2
7/19/2006	11.6	4.1	6.5
10/13/2006	14.0	1.7	4.1
1/23/2007	13.8	1.9	4.3
4/24/2007	13.8	1.9	4.3
7/24/2007	14.7	1.0	3.4
10/30/2007	13.9	1.8	4.2
1/24/2008	13.4	2.3	4.7
4/15/2008	13.7	2.0	4.4
8/21/2008	14.2	1.5	3.9
10/8/2008	14.1	1.6	4.0
2/9/2009	13.9	1.8	4.2
4/12/2009	14.1	1.6	4.0
8/4/2009	14.9	0.8	3.2

River Islands - MWR-3 Groundwater Elevation



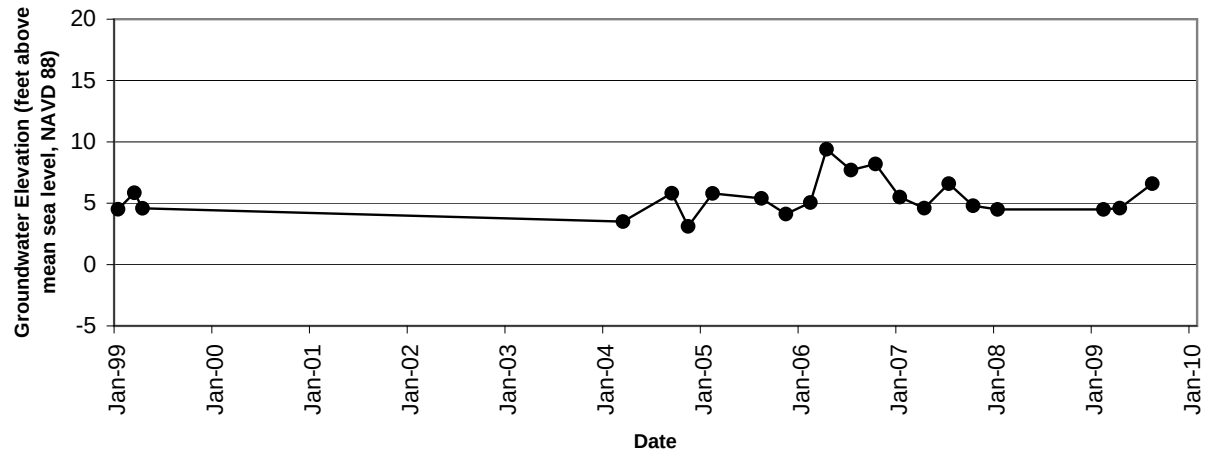
MWR-3			
MP		NGVD 29 12.27	NAVD 88 14.66
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/25/1999	9.28	2.99	5.38
3/2/1999	8.23	4.04	6.43
4/13/1999	8.97	3.30	5.69
3/15/2004	9.06	3.21	5.60
9/27/2004	9.59	2.68	5.07
11/15/2004	9.91	2.36	4.75
2/24/2005	9.05	3.22	5.61
8/31/2005	9.74	2.53	4.92
11/28/2005	10.87	1.40	3.79
2/8/2006	9.77	2.50	4.89
4/25/2006	6.5	5.8	8.2
7/19/2006	9.1	3.2	5.6
10/13/2006	9.5	2.8	5.2
1/23/2007	11.4	0.9	3.3
4/24/2007	11.5	0.8	3.2
7/24/2007	11.4	0.9	3.3
10/30/2007	11.4	0.9	3.3
1/24/2008	11.1	1.2	3.6
4/15/2008	11.1	1.2	3.6
8/21/2008	11.5	0.8	3.2
10/8/2008	11.7	0.6	3.0
2/9/2009	11.3	1.0	3.4
4/12/2009	11.9	0.4	2.8
8/4/2009	10.7	1.6	4.0

**River Islands - MWR-4
Groundwater Elevation**



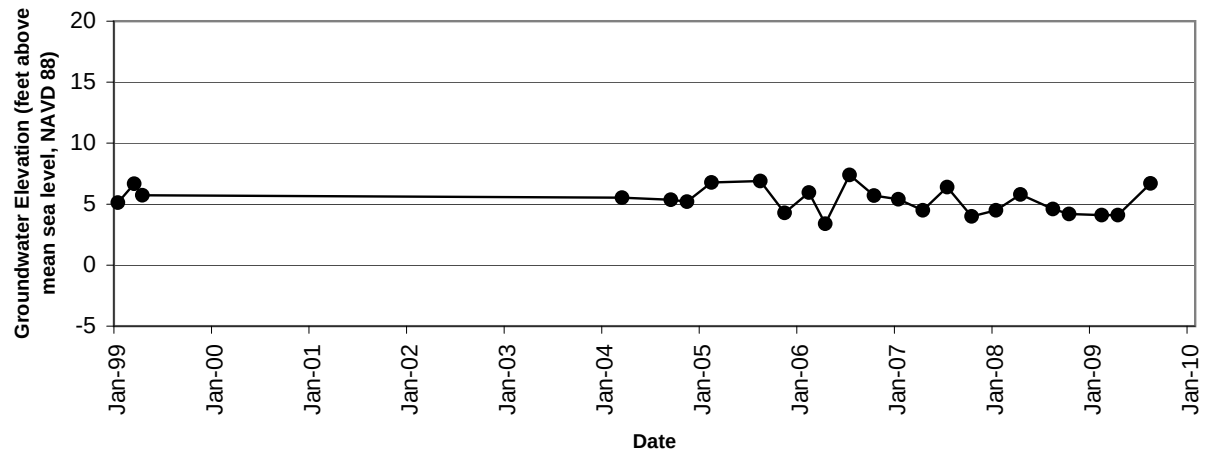
MWR-4			
MP		NGVD 29 16.43	NAVD 88 18.82
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/25/1999	13.84	2.59	4.98
3/2/1999	12.14	4.29	6.68
4/13/1999	13.08	3.35	5.74
3/15/2004	13.85	2.58	4.97
9/27/2004	13.00	3.43	5.82
11/15/2004	14.19	2.24	4.63
2/24/2005	13.22	3.21	5.60
8/31/2005	12.22	4.21	6.60
11/28/2005	14.31	2.12	4.51
2/9/2006	13.33	3.10	5.49
4/25/2006	9.2	7.2	9.6
7/19/2006	12.2	4.2	6.6
10/13/2006	7.3	9.1	11.5
1/23/2007	11.8	4.6	7.0
4/24/2007	14.0	2.4	4.8
7/24/2007	13.8	2.6	5.0
10/30/2007	14.0	2.4	4.8
1/24/2008	14.2	2.2	4.6
4/15/2008	13.8	2.6	5.0
8/21/2008	13.7	2.7	5.1
10/8/2008	13.9	2.5	4.9
2/9/2009	14.2	2.2	4.6
4/12/2009	14.4	2.0	4.4
8/4/2009	13.5	2.9	5.3

**River Islands - MWR-5
Groundwater Elevation**



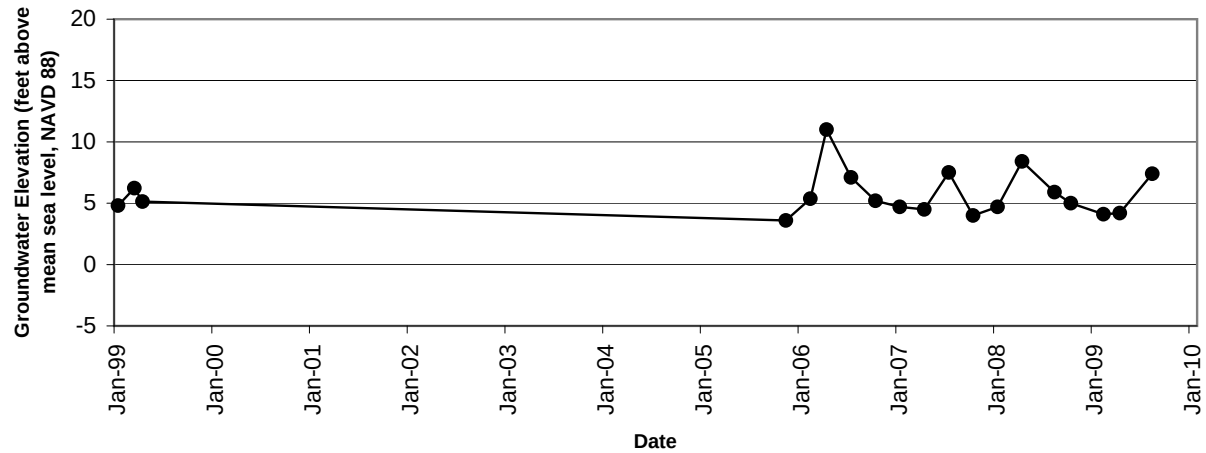
MWR-5			
MP		NGVD 29 15.77	NAVD 88 18.16
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/26/1999	13.65	2.12	4.51
3/2/1999	12.31	3.46	5.85
4/13/1999	13.58	2.19	4.58
3/15/2004	14.66	1.11	3.50
9/27/2004	12.35	3.42	5.81
11/15/2004	15.05	0.72	3.11
2/24/2005	12.36	3.41	5.80
8/31/2005	12.77	3.00	5.39
11/29/2005	14.05	1.72	4.11
2/9/2006	13.10	2.67	5.06
4/25/2006	8.8	7.0	9.4
7/19/2006	10.5	5.3	7.7
10/13/2006	10.0	5.8	8.2
1/23/2007	12.7	3.1	5.5
4/24/2007	13.6	2.2	4.6
7/24/2007	11.6	4.2	6.6
10/30/2007	13.4	2.4	4.8
1/24/2008	13.7	2.1	4.5
4/15/2008	--	--	--
8/21/2008	--	--	--
10/8/2008	--	--	--
2/9/2009	13.7	2.1	4.5
4/12/2009	13.6	2.2	4.6
8/4/2009	11.6	4.2	6.6

**River Islands - MWR-6
Groundwater Elevation**



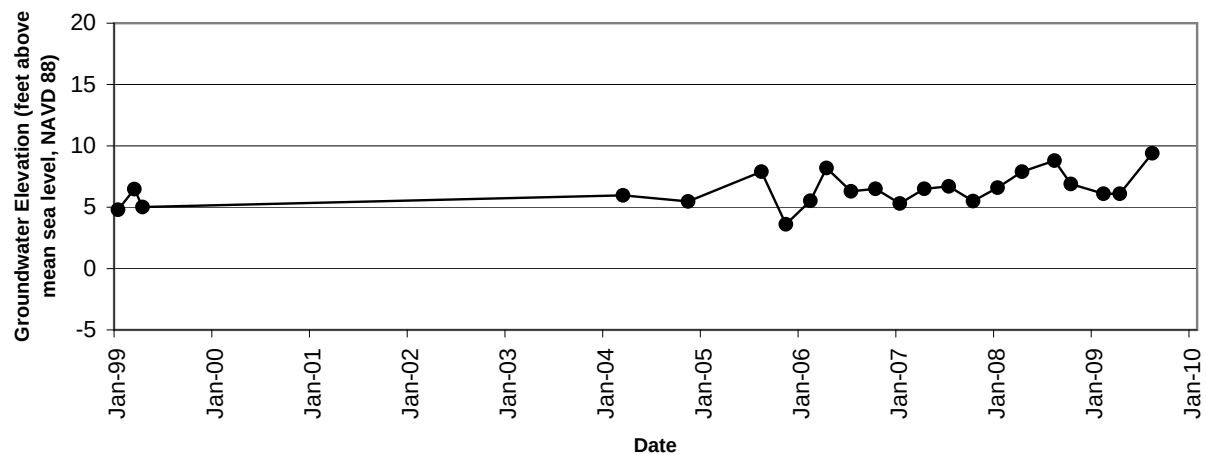
MWR-6			
MP		NGVD 29 13.78	NAVD 88 16.17
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/26/1999	11.05	2.73	5.12
3/2/1999	9.50	4.28	6.67
4/12/1999	10.44	3.34	5.73
3/15/2004	10.64	3.14	5.53
9/27/2004	10.81	2.97	5.36
11/15/2004	10.97	2.81	5.20
2/24/2005	9.39	4.39	6.78
8/31/2005	9.27	4.51	6.90
11/30/2005	11.88	1.90	4.29
2/9/2006	10.22	3.56	5.95
4/25/2006	12.8	1.0	3.4
7/19/2006	8.8	5.0	7.4
10/13/2006	10.5	3.3	5.7
1/23/2007	10.8	3.0	5.4
4/24/2007	11.7	2.1	4.5
7/24/2007	9.8	4.0	6.4
10/30/2007	12.2	1.6	4.0
1/24/2008	11.7	2.1	4.5
4/15/2008	10.4	3.4	5.8
8/21/2008	11.6	2.2	4.6
10/8/2008	12.0	1.8	4.2
2/9/2009	12.1	1.7	4.1
4/12/2009	12.1	1.7	4.1
8/4/2009	9.5	4.3	6.7

River Islands - MWR-7 Groundwater Elevation



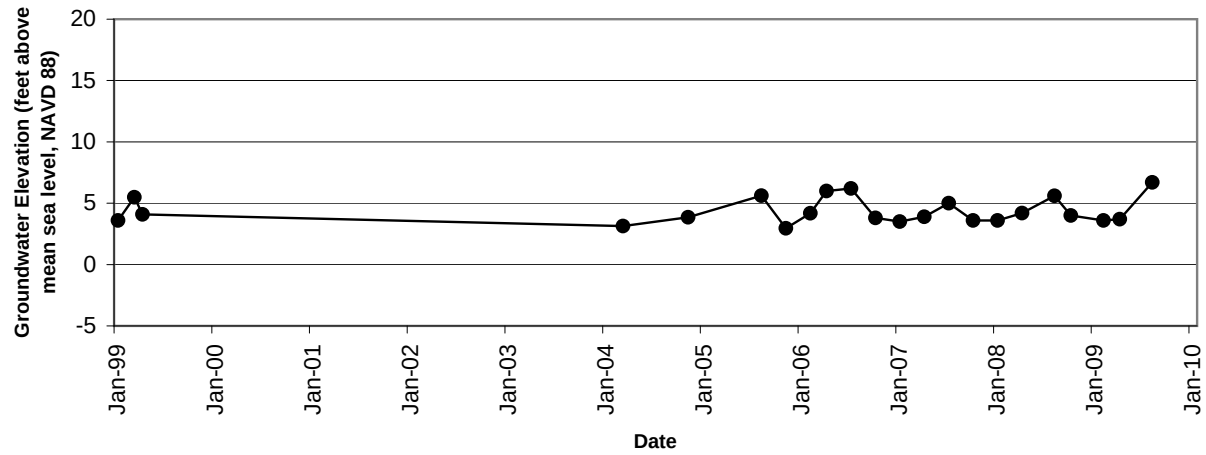
MWR-7			
MP		NGVD 29 14.59	NAVD 88 16.98
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/26/1999	12.17	2.42	4.81
3/2/1999	10.75	3.84	6.23
4/12/1999	11.85	2.74	5.13
11/30/2005	13.39	1.20	3.59
2/10/2006	11.61	2.98	5.37
4/25/2006	6.0	8.6	11.0
7/19/2006	9.9	4.7	7.1
10/13/2006	11.8	2.8	5.2
1/23/2007	12.3	2.3	4.7
4/24/2007	12.5	2.1	4.5
7/24/2007	9.5	5.1	7.5
10/30/2007	13.0	1.61	4.0
1/24/2008	12.3	2.3	4.7
4/15/2008	8.6	6.0	8.4
8/21/2008	11.1	3.5	5.9
10/8/2008	12.0	2.6	5.0
2/9/2009	12.9	1.7	4.1
4/12/2009	12.8	1.8	4.2
8/4/2009	9.6	5.0	7.4

River Islands - MWR-8 Groundwater Elevation



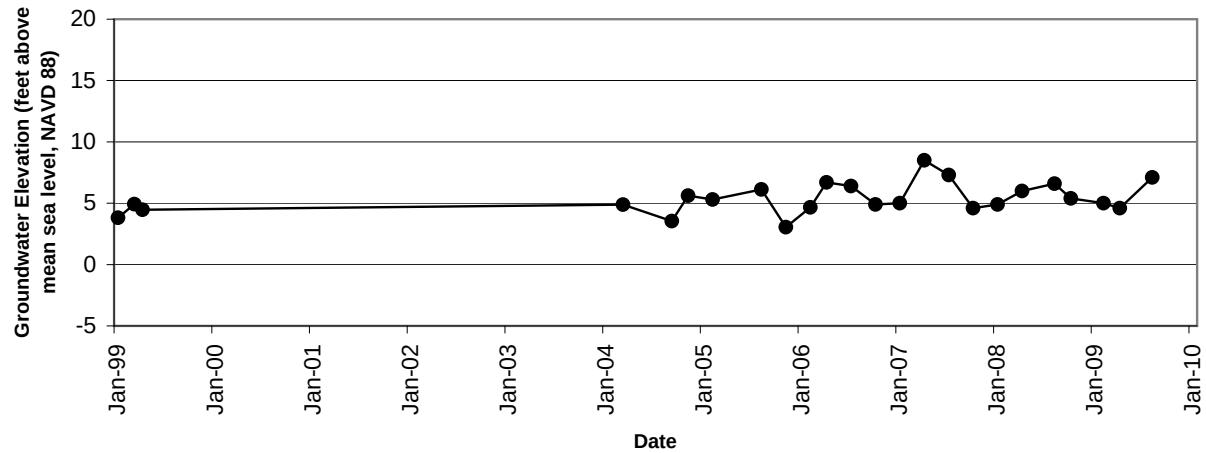
MWR-8			
MP		NGVD 29 12.40	NAVD 88 14.79
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/26/1999	10.00	2.40	4.79
3/2/1999	8.32	4.08	6.47
4/12/1999	9.77	2.63	5.02
3/15/2004	8.82	3.58	5.97
11/15/2004	9.32	3.08	5.47
8/31/2005	6.89	5.51	7.90
11/30/2005	11.18	1.22	3.61
2/10/2006	9.27	3.13	5.52
4/25/2006	6.6	5.8	8.2
7/19/2006	8.5	3.9	6.3
10/13/2006	8.3	4.1	6.5
1/23/2007	9.5	2.9	5.3
4/24/2007	8.3	4.1	6.5
7/24/2007	8.1	4.3	6.7
10/30/2007	9.3	3.1	5.5
1/24/2008	8.2	4.2	6.6
4/15/2008	6.9	5.5	7.9
8/21/2008	6.0	6.4	8.8
10/8/2008	7.9	4.5	6.9
2/9/2009	8.7	3.7	6.1
4/12/2009	8.7	3.7	6.1
8/4/2009	5.4	7.0	9.4

**River Islands - MWR-9
Groundwater Elevation**



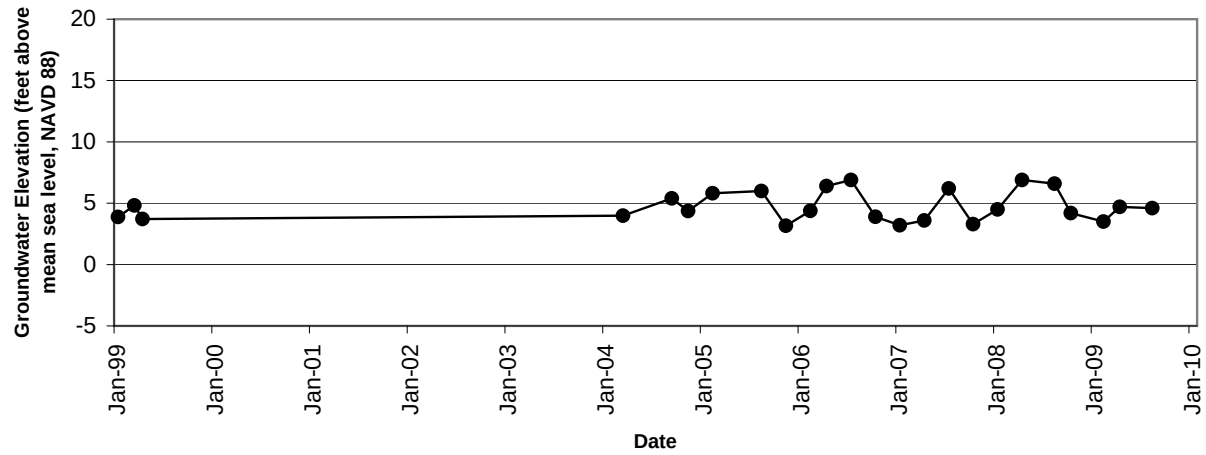
MWR-9			
MP		NGVD 29 12.18	NAVD 88 14.57
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/25/1999	10.98	1.20	3.59
3/2/1999	9.09	3.09	5.48
4/13/1999	10.48	1.70	4.09
3/15/2004	11.43	0.75	3.14
11/15/2004	10.72	1.46	3.85
8/31/2005	8.96	3.22	5.61
11/30/2005	11.61	0.57	2.96
2/9/2006	10.39	1.79	4.18
4/25/2006	8.6	3.6	6.0
7/19/2006	8.4	3.8	6.2
10/13/2006	10.8	1.4	3.8
1/23/2007	11.1	1.1	3.5
4/24/2007	10.7	1.5	3.9
7/24/2007	9.6	2.6	5.0
10/30/2007	11.0	1.2	3.6
1/24/2008	11.0	1.2	3.6
4/15/2008	10.4	1.8	4.2
8/21/2008	9.0	3.2	5.6
10/9/2008	10.6	1.6	4.0
2/9/2009	11.0	1.2	3.6
4/12/2009	10.9	1.3	3.7
8/4/2009	7.9	4.3	6.7

**River Islands - MWR-10
Groundwater Elevation**



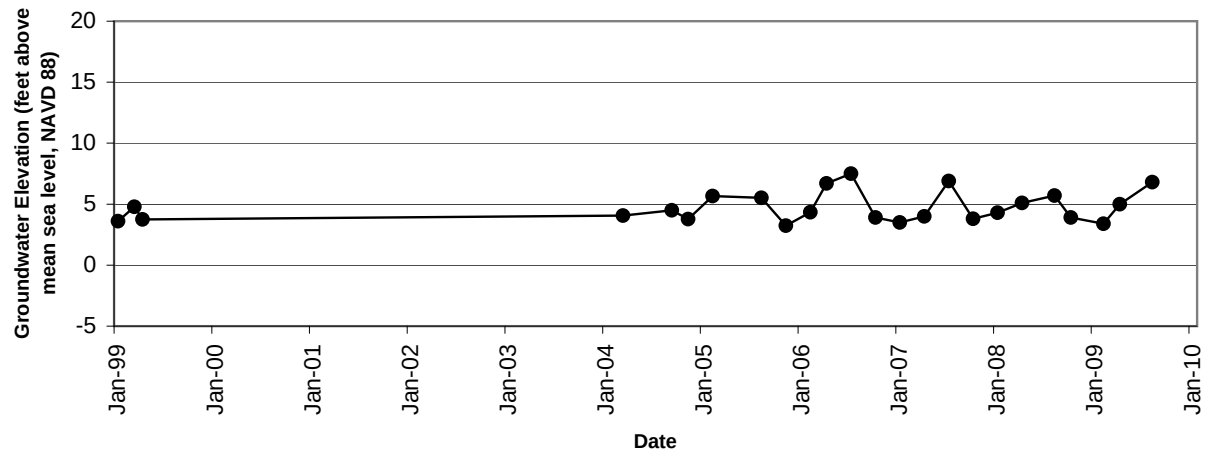
MWR-10			
MP		NGVD 29 12.71	NAVD 88 15.10
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/25/1999	11.29	1.42	3.81
3/2/1999	10.18	2.53	4.92
4/13/1999	10.63	2.08	4.47
3/15/2004	10.21	2.50	4.89
9/27/2004	11.56	1.15	3.54
11/15/2004	9.49	3.22	5.61
2/24/2005	9.80	2.91	5.30
8/31/2005	8.97	3.74	6.13
11/30/2005	12.05	0.66	3.05
2/9/2006	10.43	2.28	4.67
4/25/2006	8.4	4.3	6.7
7/19/2006	8.7	4.0	6.4
10/13/2006	10.2	2.5	4.9
1/23/2007	10.1	2.6	5.0
4/24/2007	6.6	6.1	8.5
7/24/2007	7.8	4.9	7.3
10/30/2007	10.5	2.2	4.6
1/24/2008	10.2	2.5	4.9
4/15/2008	9.1	3.6	6.0
8/21/2008	8.5	4.2	6.6
10/8/2008	9.7	3.0	5.4
2/9/2009	10.1	2.6	5.0
4/12/2009	10.5	2.2	4.6
8/4/2009	8.0	4.7	7.1

**River Islands - MWR-11
Groundwater Elevation**

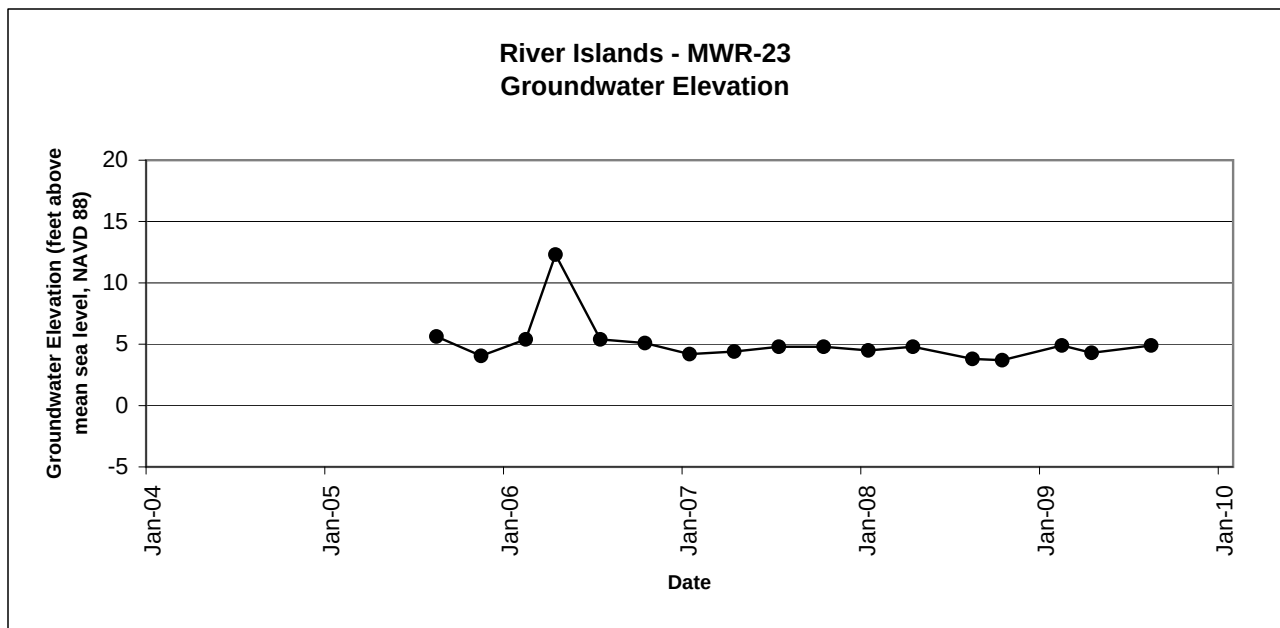


MWR-11			
MP		NGVD 29 11.94	NAVD 88 14.33
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/25/1999	10.45	1.49	3.88
3/2/1999	9.51	2.43	4.82
4/12/1999	10.62	1.32	3.71
3/15/2004	10.34	1.60	3.99
9/27/2004	8.94	3.00	5.39
11/15/2004	9.96	1.98	4.37
2/24/2005	8.52	3.42	5.81
8/31/2005	8.34	3.60	5.99
11/29/2005	11.17	0.77	3.16
2/9/2006	9.95	1.99	4.38
4/25/2006	7.9	4.0	6.4
7/19/2006	7.4	4.5	6.9
10/13/2006	10.4	1.5	3.9
1/23/2007	11.1	0.8	3.2
4/24/2007	10.7	1.2	3.6
7/24/2007	8.1	3.8	6.2
10/30/2007	11.0	0.9	3.3
1/24/2008	9.8	2.1	4.5
4/15/2008	7.4	4.5	6.9
8/21/2008	7.7	4.2	6.6
10/8/2008	10.1	1.8	4.2
2/9/2009	10.8	1.1	3.5
4/12/2009	9.6	2.3	4.7
8/4/2009	9.7	2.2	4.6

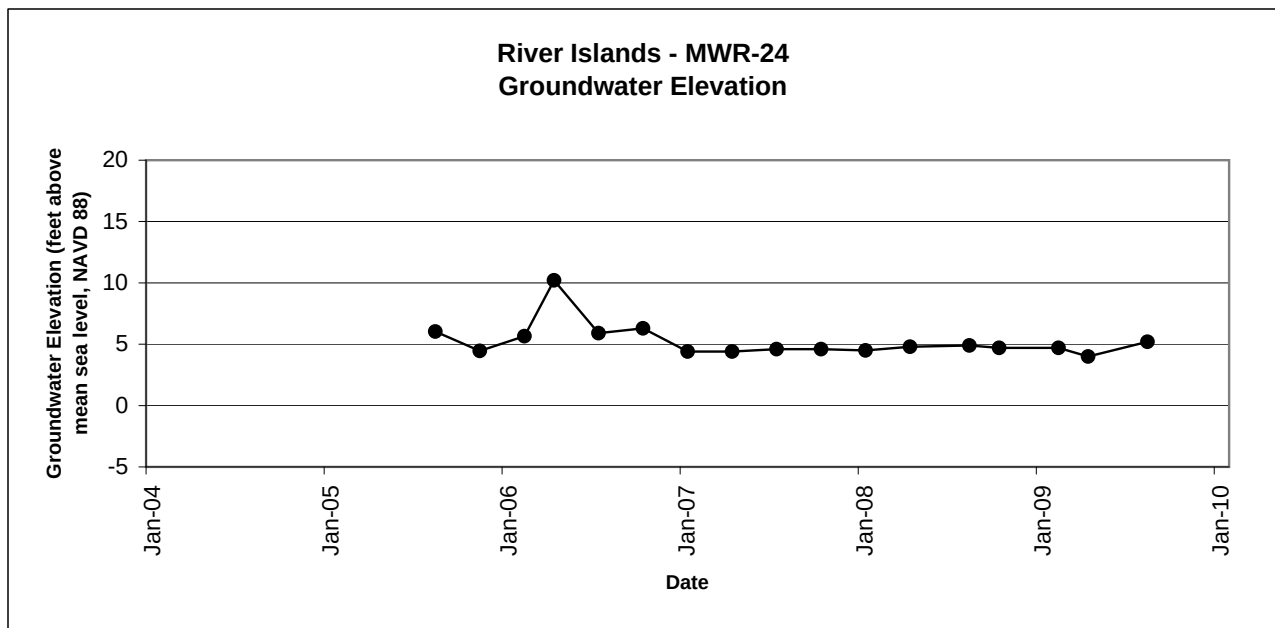
**River Islands - MWR-12
Groundwater Elevation**



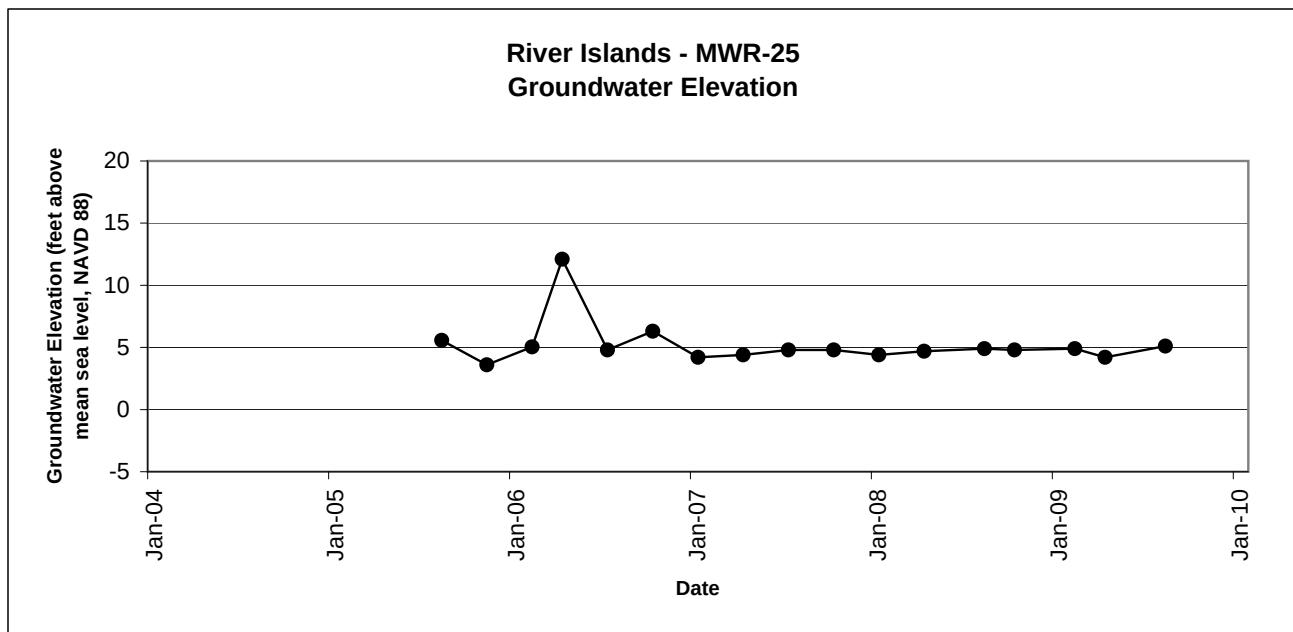
MWR-12			
MP		NGVD 29 12.39	NAVD 88 14.78
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
1/25/1999	11.17	1.22	3.61
3/2/1999	9.99	2.40	4.79
4/12/1999	11.03	1.36	3.75
3/15/2004	10.72	1.67	4.06
9/27/2004	10.29	2.10	4.49
11/15/2004	11.01	1.38	3.77
2/24/2005	9.12	3.27	5.66
8/31/2005	9.26	3.13	5.52
11/30/2005	11.54	0.85	3.24
2/9/2006	10.44	1.95	4.34
4/25/2006	8.1	4.3	6.7
7/19/2006	7.3	5.1	7.5
10/13/2006	10.9	1.5	3.9
1/23/2007	11.3	1.1	3.5
4/24/2007	10.8	1.6	4.0
7/24/2007	7.9	4.5	6.9
10/30/2007	11.0	1.4	3.8
1/24/2008	10.5	1.9	4.3
4/15/2008	9.7	2.7	5.1
8/21/2008	9.1	3.3	5.7
10/8/2008	10.9	1.5	3.9
2/9/2009	11.4	1.0	3.4
4/12/2009	9.8	2.6	5.0
8/4/2009	8.0	4.4	6.8



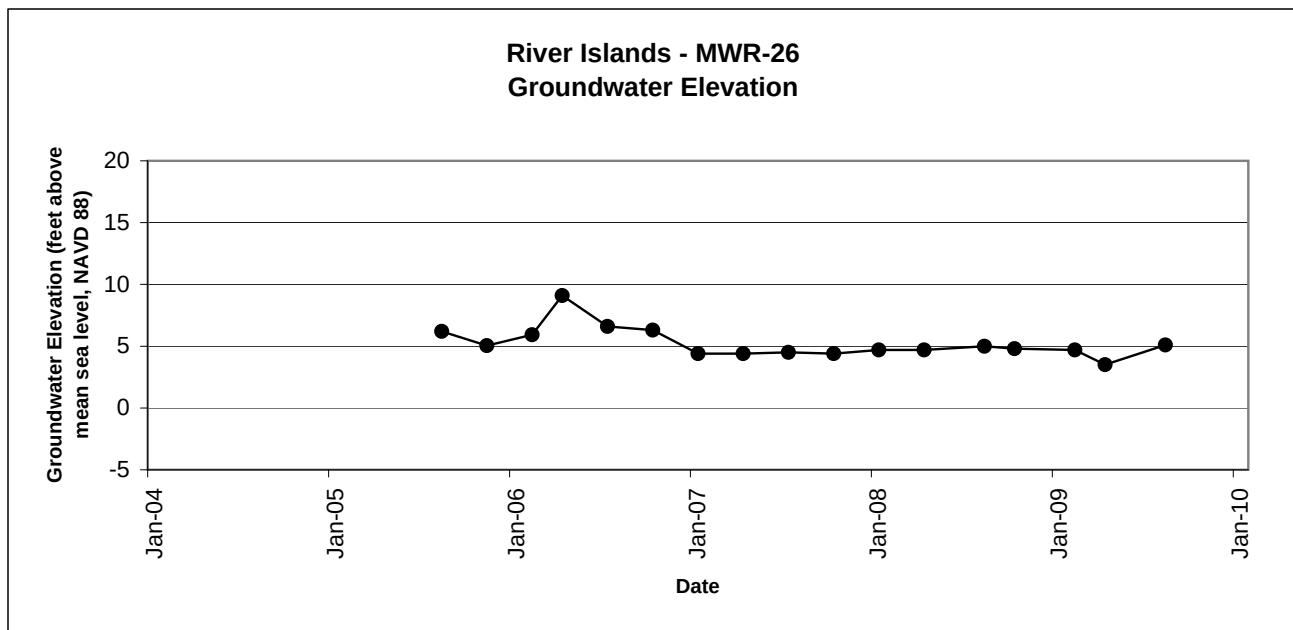
MWR-23			
MP		NGVD 29 17.31	NAVD 88 19.70
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	14.07	3.24	5.63
11/28/2005	15.65	1.66	4.05
2/7/2006	14.30	3.01	5.40
4/25/2006	7.40	9.91	12.30
7/19/2006	14.30	3.01	5.40
10/13/2006	14.60	2.71	5.10
1/23/2007	15.50	1.81	4.20
4/24/2007	15.3	2.0	4.4
7/24/2007	14.9	2.4	4.8
10/30/2007	14.9	2.4	4.8
1/24/2008	15.2	2.1	4.5
4/15/2008	14.9	2.4	4.8
8/21/2008	15.9	1.4	3.8
10/8/2008	16.0	1.3	3.7
2/9/2009	14.8	2.5	4.9
4/12/2009	15.4	1.9	4.3
8/4/2009	14.8	2.5	4.9



MWR-24			
MP		NGVD 29 14.29	NAVD 88 16.68
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	10.65	3.64	6.03
11/28/2005	12.22	2.07	4.46
2/7/2006	11.03	3.26	5.65
4/25/2006	6.5	7.8	10.2
7/19/2006	10.8	3.5	5.9
10/13/2006	10.4	3.9	6.3
1/23/2007	12.3	2.0	4.4
4/24/2007	12.3	2.0	4.4
7/24/2007	12.1	2.2	4.6
10/30/2007	12.1	2.2	4.6
1/24/2008	12.2	2.1	4.5
4/15/2008	11.9	2.4	4.8
8/21/2008	11.8	2.5	4.9
10/8/2008	12.0	2.3	4.7
2/9/2009	12.0	2.3	4.7
4/12/2009	12.7	1.6	4.0
8/4/2009	11.5	2.8	5.2

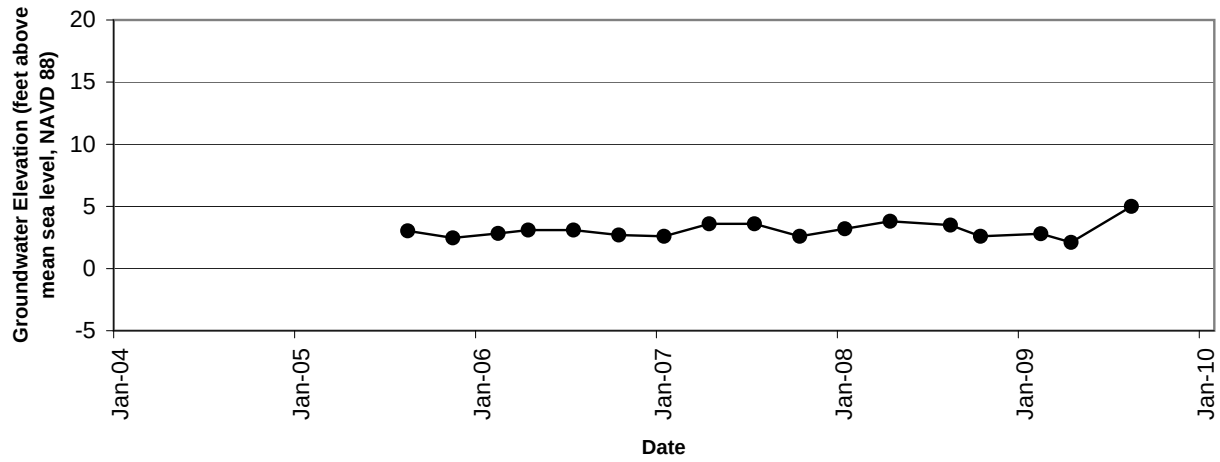


MWR-25			
MP		NGVD 29 13.86	NAVD 88 16.25
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	10.68	3.18	5.57
11/28/2005	12.65	1.21	3.60
2/7/2006	11.21	2.65	5.04
4/25/2006	4.2	9.7	12.1
7/19/2006	11.5	2.4	4.8
10/13/2006	10.0	3.9	6.3
1/23/2007	12.1	1.8	4.2
4/24/2007	11.9	2.0	4.4
7/24/2007	11.5	2.4	4.8
10/30/2007	11.5	2.4	4.8
1/24/2008	11.9	2.0	4.4
4/15/2008	11.6	2.3	4.7
8/21/2008	11.4	2.5	4.9
10/8/2008	11.5	2.4	4.8
2/9/2009	11.4	2.5	4.9
4/12/2009	12.1	1.8	4.2
8/4/2009	11.2	2.7	5.1



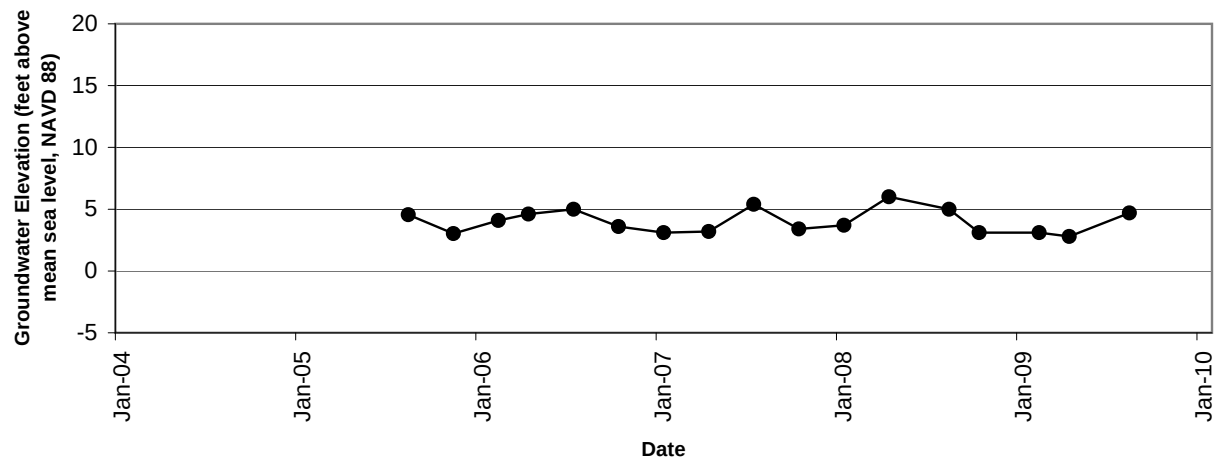
MWR-26			
MP		NGVD 29 12.36	NAVD 88 14.75
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	8.55	3.81	6.20
11/28/2005	9.70	2.66	5.05
2/8/2006	8.82	3.54	5.93
4/25/2006	5.7	6.7	9.1
7/19/2006	8.2	4.2	6.6
10/13/2006	8.5	3.9	6.3
1/23/2007	10.4	2.0	4.4
4/24/2007	10.4	2.0	4.4
7/24/2007	10.3	2.1	4.5
10/30/2007	10.4	2.0	4.4
1/24/2008	10.1	2.3	4.7
4/15/2008	10.1	2.3	4.7
8/21/2008	9.8	2.6	5.0
10/8/2008	10.0	2.4	4.8
2/9/2009	10.1	2.3	4.7
4/12/2009	11.3	1.1	3.5
8/4/2009	9.7	2.7	5.1

**River Islands - MWR-27
Groundwater Elevation**



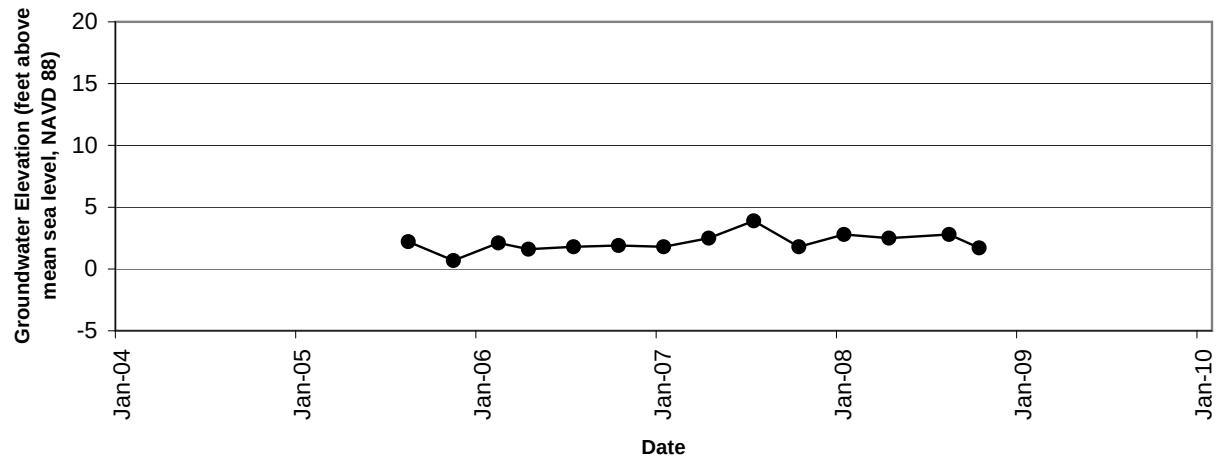
MWR-27			
MP		NGVD 29 8.49	NAVD 88 10.88
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	7.85	0.64	3.03
11/28/2005	8.41	0.08	2.47
2/7/2006	8.05	0.44	2.83
4/25/2006	7.8	0.7	3.1
7/19/2006	7.8	0.7	3.1
10/13/2006	8.2	0.3	2.7
1/23/2007	8.3	0.2	2.6
4/24/2007	7.3	1.2	3.6
7/24/2007	7.3	1.2	3.6
10/30/2007	8.3	0.2	2.6
1/24/2008	7.7	0.8	3.2
4/15/2008	7.1	1.4	3.8
8/21/2008	7.4	1.1	3.5
10/8/2008	8.3	0.2	2.6
2/9/2009	8.1	0.4	2.8
4/12/2009	8.8	-0.3	2.1
8/4/2009	5.9	2.6	5.0

**River Islands - MWR-28
Groundwater Elevation**



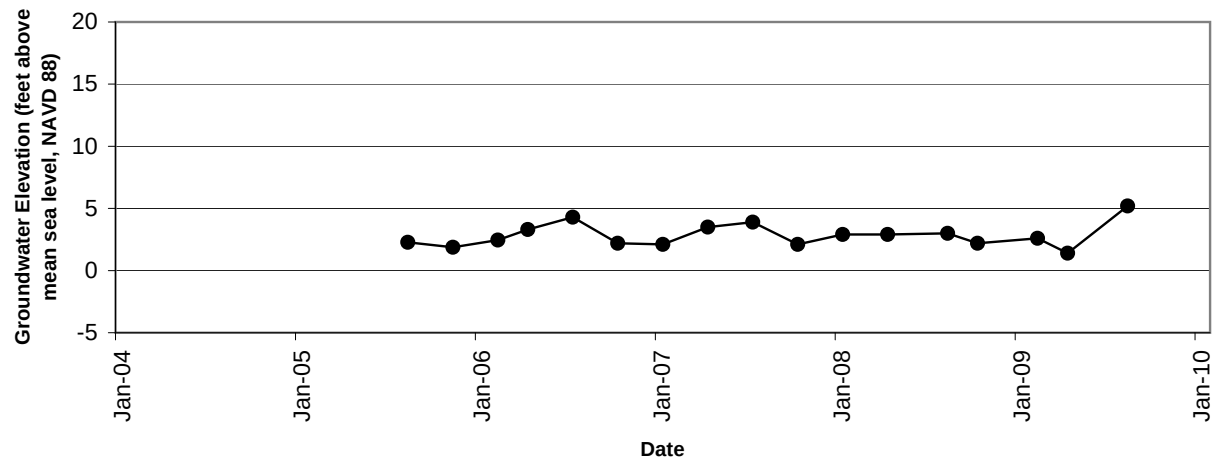
MWR-28			
MP		NGVD 29 9.55	NAVD 88 11.94
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	7.38	2.17	4.56
11/29/2005	8.91	0.64	3.03
2/7/2006	7.85	1.70	4.09
4/25/2006	7.3	2.2	4.6
7/19/2006	6.9	2.6	5.0
10/13/2006	8.3	1.2	3.6
1/23/2007	8.8	0.7	3.1
4/24/2007	8.7	0.8	3.2
7/24/2007	6.5	3.0	5.4
10/30/2007	8.5	1.0	3.4
1/24/2008	8.2	1.3	3.7
4/15/2008	5.9	3.6	6.0
8/21/2008	6.9	2.6	5.0
10/8/2008	8.8	0.7	3.1
2/9/2009	8.8	0.7	3.1
4/12/2009	9.1	0.4	2.8
8/4/2009	7.2	2.3	4.7

**River Islands - MWR-29
Groundwater Elevation**



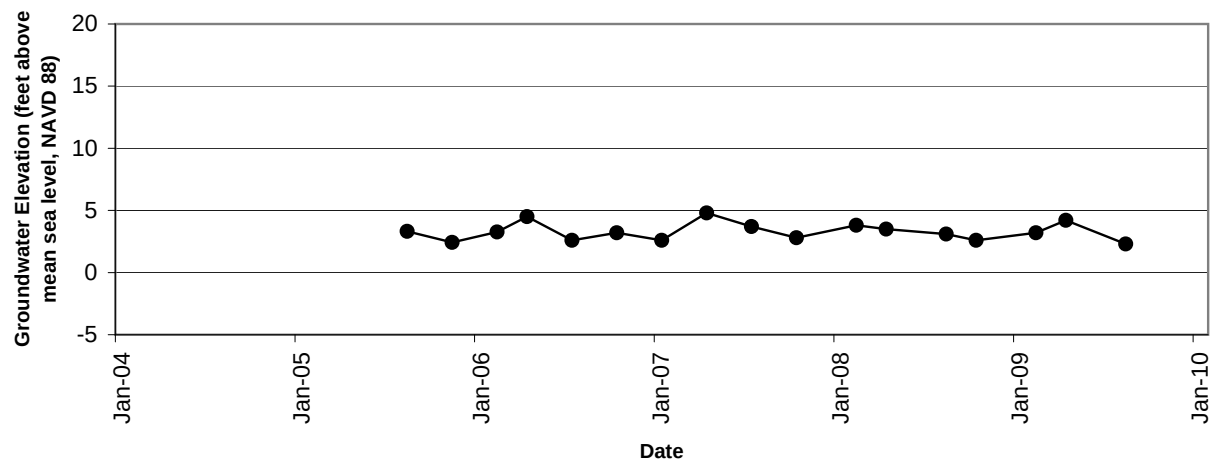
MWR-29			
MP		NGVD 29 10.90	NAVD 88 13.29
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	11.08	-0.18	2.21
11/29/2005	12.60	-1.70	0.69
2/8/2006	11.18	-0.28	2.11
4/25/2006	11.7	-0.8	1.6
7/19/2006	11.5	-0.6	1.8
10/13/2006	11.4	-0.5	1.9
1/23/2007	11.5	-0.6	1.8
4/24/2007	10.8	0.1	2.5
7/24/2007	9.4	1.5	3.9
10/30/2007	11.5	-0.6	1.8
1/24/2008	10.5	0.4	2.8
4/15/2008	10.8	0.1	2.5
8/21/2008	10.5	0.4	2.8
10/8/2008	11.6	-0.7	1.7
2/9/2009	--	--	--
4/12/2009	--	--	--
8/4/2009	--	--	--

River Islands - MWR-30 Groundwater Elevation

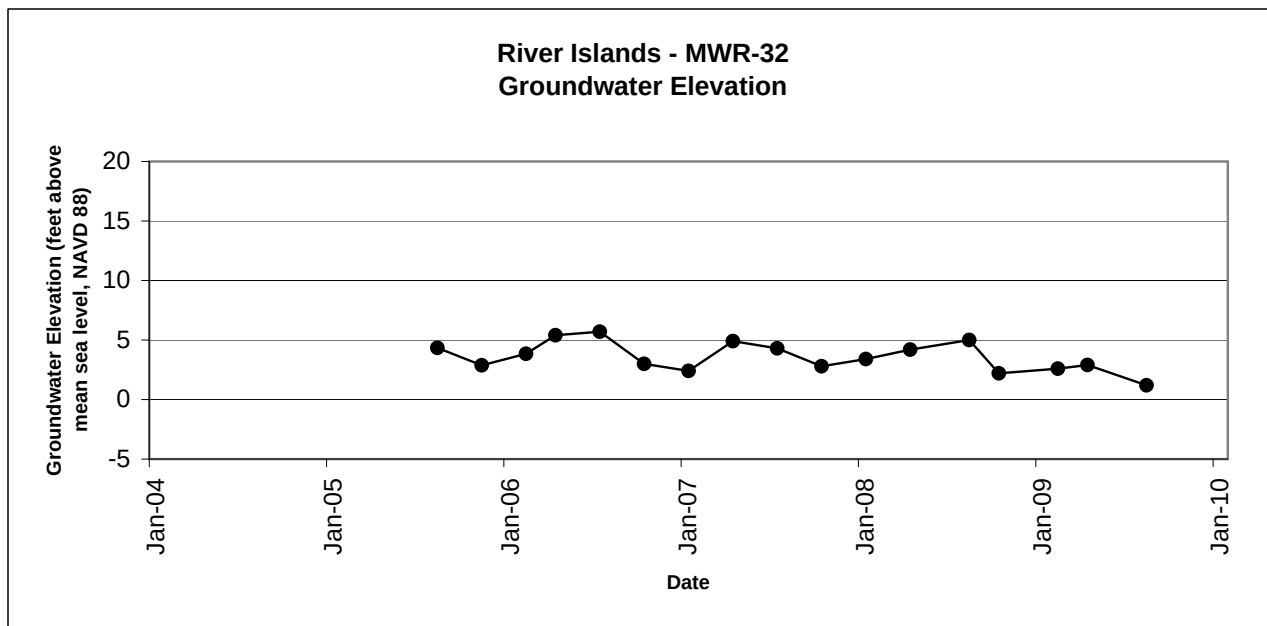


MWR-30			
MP		NGVD 29 10.83	NAVD 88 13.22
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	10.95	-0.12	2.27
11/29/2005	11.35	-0.52	1.87
2/8/2006	10.76	0.07	2.46
4/25/2006	9.9	0.9	3.3
7/19/2006	8.9	1.9	4.3
10/13/2006	11.0	-0.2	2.2
1/23/2007	11.1	-0.3	2.1
4/24/2007	9.7	1.1	3.5
7/24/2007	9.3	1.5	3.9
10/30/2007	11.1	-0.3	2.1
1/24/2008	10.3	0.5	2.9
4/15/2008	10.3	0.5	2.9
8/21/2008	10.2	0.6	3.0
10/8/2008	11.0	-0.2	2.2
2/9/2009	10.6	0.2	2.6
4/12/2009	11.8	-1.0	1.4
8/4/2009	8.0	2.8	5.2

**River Islands - MWR-31
Groundwater Elevation**



MWR-31			
MP		NGVD 29 8.12	NAVD 88 10.51
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	7.19	0.93	3.32
11/29/2005	8.08	0.04	2.43
2/8/2006	7.25	0.87	3.26
4/25/2006	6.0	2.1	4.5
7/19/2006	7.9	0.2	2.6
10/13/2006	7.3	0.8	3.2
1/23/2007	7.9	0.2	2.6
4/24/2007	5.7	2.4	4.8
7/24/2007	6.8	1.3	3.7
10/30/2007	7.7	0.4	2.8
2/7/2008	6.7	1.4	3.8
4/15/2008	7.0	1.1	3.5
8/21/2008	7.4	0.7	3.1
10/8/2008	7.9	0.2	2.6
2/9/2009	7.3	0.8	3.2
4/12/2009	6.3	1.8	4.2
8/4/2009	8.2	-0.1	2.3



MWR-32			
MP		NGVD 29 9.58	NAVD 88 11.97
Date Sampled	DTW (ft)	Groundwater Elevation (ft, NGVD 29)	Groundwater Elevation (ft, NAVD 88)
8/31/2005	7.63	1.95	4.34
11/29/2005	9.10	0.48	2.87
2/8/2006	8.12	1.46	3.85
4/25/2006	6.6	3.0	5.4
7/19/2006	6.3	3.3	5.7
10/13/2006	9.0	0.6	3.0
1/23/2007	9.6	0.0	2.4
4/24/2007	7.1	2.5	4.9
7/24/2007	7.7	1.9	4.3
10/30/2007	9.2	0.4	2.8
1/24/2008	8.6	1.0	3.4
4/15/2008	7.8	1.8	4.2
8/21/2008	7.0	2.6	5.0
10/8/2008	9.8	-0.2	2.2
2/9/2009	9.4	0.2	2.6
4/12/2009	9.1	0.5	2.9
8/4/2009	10.8	-1.2	1.2

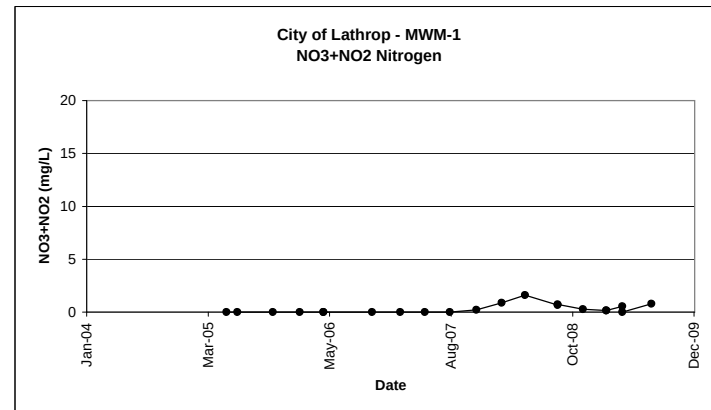
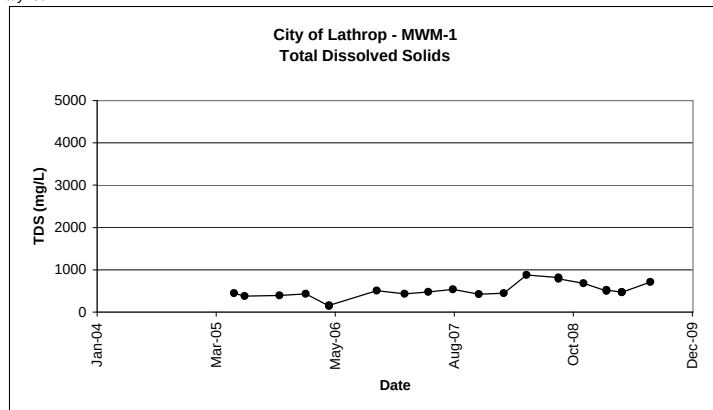
Appendix C: Historical Water Quality

MWM-1																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/19/2005	7.23	> 1,600	530	450	NA	45	13	1.4	94	ND	0.32	0.09	ND	ND	ND	88	ND	84
6/27/2005	7.14	80	520	380	NA	37	9	ND	72	0.45	ND	ND	ND	ND	ND	75	ND	76
11/2/2005	6.90	30	711	390	150	46	12	2.0	81	0.48	0.13	0.10	0.002	ND	0.30	89	0.3	78
2/7/2006	6.94	4	583	430	150	43	11	2.2	85	0.57	0.10	0.10	0.002	ND	0.32	90	0.34	77
5/4/2006	6.29	240	317	140	56	16	3.9	1.8	48	0.20	0.055	0.032	0.0010	ND	0.087	27	0.41	29
5/4/2006	6.29	500	317	160	54	15	3.9	1.0	51	0.21	0.053	0.033	0.0010	ND	0.082	27	0.43	29
8/8/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/26/2006	6.37	4	700	510	160	45	12	1.8	87	0.047	0.090	0.14	0.0020	0.003	0.28	77	0.24	96
2/5/2007	6.90	ND	680	430	160	43	12	2.0	76	0.075	0.16	0.10	0.0013	ND	0.23	64	0.22	100
5/4/2007	6.58	ND	800	480	210	59	15	2.2	85	0.15	0.20	0.16	0.0016	ND	0.31	97	0.20	130
8/2/2007	6.48	8	730	540	170	48	12	2.0	79	0.23	0.24	0.10	0.0014	ND	0.25	73	0.22	120
11/6/2007	6.60	ND	687	420	140	39	9.5	1.6	77	0.14	0.15	0.10	0.0013	ND	0.19	58	0.30	91
2/5/2008	6.60	ND	788	450	180	50	12	1.5	85	0.14	0.15	0.094	0.0019	0.0024	0.24	76	0.28	85
4/29/2008	6.49	NA	1,544	880	400	120	26	1.9	130	0.12	0.20	0.12	0.0035	0.0027	0.58	240	0.28	220
8/25/2008	6.79	ND	1,559	820	340	100	23	2.0	150	ND	0.14	NA	NA	NA	0.34	140	NA	190
8/25/2008	6.79	ND	1,559	790	340	100	23	2.0	150	ND	0.13	NA	NA	NA	0.32	130	NA	190
11/24/2008	6.8	ND	1,269	680	270	79	17	2.0	130	ND	0.081	NA	NA	NA	0.25	92	NA	150
2/17/2009	6.88	ND	900	500	190	56	12	1.6	97	ND	0.051	NA	NA	NA	0.24	75	NA	120
2/17/2009	6.88	ND	900	520	180	54	12	1.7	110	ND	0.05	NA	NA	NA	0.21	76	NA	120
4/15/2009	6.75	4	669	470	190	53	13	1.3	94	ND	0.045	NA	NA	NA	0.23	71	NA	110
4/15/2009	6.75	2	669	470	190	54	13	1.3	94	ND	0.045	NA	NA	NA	0.22	74	NA	110
7/29/2009	6.58	ND	1,104	710	290	87	18	2.0	146	ND	0.060	NA	NA	NA	0.26	119	NA	151

NS indicates that well was not sampled during regular quarterly monitoring.

ND is "not detected".

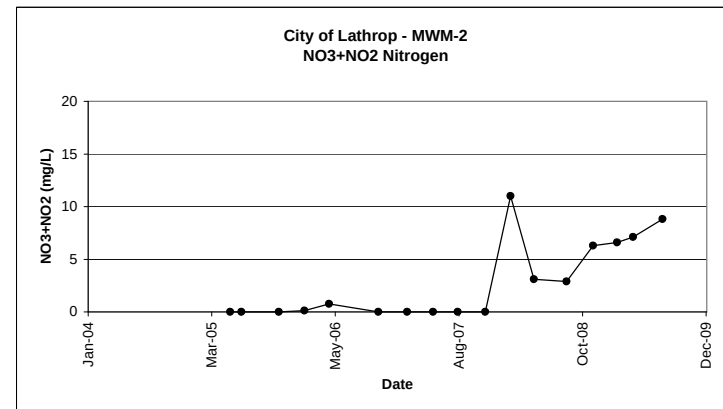
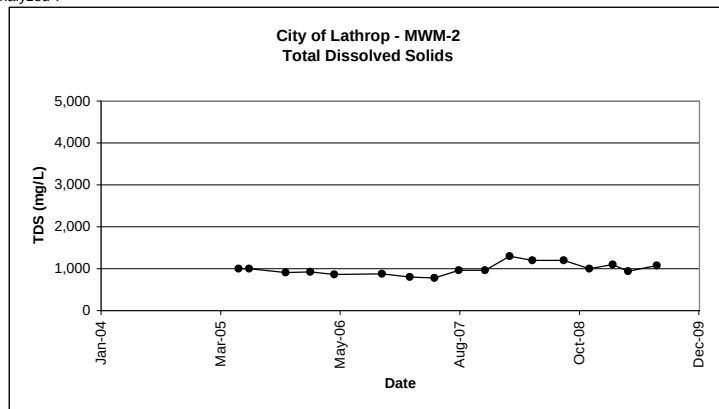
NA is "not analyzed".



MWM-1 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/19/2005	0.17	ND	0.33	ND	ND	ND	ND	ND	ND	ND	ND	NA	140	171	ND	ND	ND	ND	ND
6/27/2005	ND	ND	ND	ND	ND	ND	ND	0.14	0.22	ND	ND	NA	110	134	ND	ND	ND	ND	ND
11/2/2005	0.0064	0.02	0.40	ND	ND	ND	0.21	0.20	ND	ND	ND	NA	130	160	ND	ND	ND	ND	ND
2/7/2006	ND	0.014	0.38	ND	ND	ND	0.21	0.30	0.24	ND	ND	NA	120	150	ND	ND	ND	ND	ND
5/4/2006	ND	0.016	0.30	ND	ND	ND	0.35	ND	ND	ND	ND	NA	80	95	ND	ND	ND	ND	ND
5/4/2006	0.0053	0.016	0.32	ND	ND	ND	0.35	0.22	0.14	ND	ND	NA	80	95	ND	ND	ND	ND	ND
8/8/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/26/2006	0.0087	0.0024	0.33	ND	ND	ND	0.030	0.31	0.17	ND	ND	NA	120	140	ND	ND	ND	ND	ND
2/5/2007	ND	0.0012	0.33	ND	ND	ND	0.15	0.12	ND	ND	ND	NA	120	140	NA	ND	ND	ND	ND
5/4/2007	ND	0.0012	0.33	ND	ND	ND	0.050	0.37	0.11	ND	ND	NA	160	190	NA	ND	ND	ND	ND
8/2/2007	ND	0.0011	0.32	ND	ND	ND	0.021	ND	ND	ND	ND	NA	140	170	NA	ND	ND	ND	ND
11/6/2007	ND	0.0016	0.25	ND	ND	ND	0.037	ND	0.10	0.20	0.20	NA	130	160	NA	ND	ND	ND	ND
2/5/2008	ND	0.0012	0.29	ND	ND	ND	0.031	0.12	ND	0.88	0.87	NA	130	160	NA	ND	ND	ND	ND
4/29/2008	ND	0.00087	0.28	ND	ND	ND	0.016	0.32	ND	1.6	1.6	NA	210	260	NA	ND	ND	ND	ND
8/25/2008	NA	NA	0.39	NA	NA	NA	NA	0.18	ND	0.68	0.68	NA	390	480	NA	ND	ND	ND	ND
8/25/2008	NA	NA	0.39	NA	NA	NA	NA	ND	ND	0.73	0.73	NA	400	490	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.37	NA	NA	NA	NA	ND	ND	0.28	0.28	NA	310	380	NA	ND	ND	ND	ND
2/17/2009	NA	NA	0.29	NA	NA	NA	NA	ND	ND	0.16	0.16	NA	220	270	NA	ND	ND	ND	ND
2/17/2009	NA	NA	0.29	NA	NA	NA	NA	ND	ND	0.16	0.16	NA	230	280	NA	ND	ND	ND	ND
4/15/2009	NA	NA	0.30	NA	NA	NA	NA	0.4	ND	0.54	0.54	NA	190	230	NA	ND	ND	ND	ND
4/15/2009	NA	NA	0.30	NA	NA	NA	NA	ND	ND	ND	ND	NA	190	230	NA	ND	ND	ND	ND
7/29/2009	NA	NA	0.40	NA	NA	NA	NA	ND	ND	0.80	0.80	NA	290	350	ND	ND	ND	ND	ND

MWM-2																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/19/2005	7.54	> 1600	1,200	1,000	NA	129	37	5.1	157	ND	0.47	0.192	ND	0.024	ND	170	ND	290
6/27/2005	7.25	50	1,300	1,000	NA	140	39	ND	120	ND	0.40	ND	ND	ND	9.2	130	ND	230
11/7/2005	7.28	30	1,440	910	410	120	35	4.5	140	0.055	0.78	0.049	0.013	ND	0.52	140	0.34	240
2/6/2006	7.22	14	1,374	920	410	110	32	3.9	140	0.035	0.73	0.042	0.009	ND	0.50	150	0.33	250
5/4/2006	6.82	900	1,346	860	450	130	33	4.1	140	0.020	0.60	0.044	0.006	ND	0.51	140	0.34	250
8/8/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/26/2006	7.05	2	1,222	880	340	92	26	2.9	140	ND	0.20	0.046	0.0026	0.002	0.47	150	0.34	200
2/5/2007	7.23	4	1,261	800	270	64	27	3.0	150	0.15	0.16	0.045	0.0012	ND	0.46	140	0.29	190
5/7/2007	7.27	ND	1,271	780	350	97	26	2.5	130	ND	0.16	0.041	0.0022	ND	0.46	150	0.26	210
8/3/2007	6.92	NA	1,413	960	520	130	50	3.7	190	ND	0.07	0.045	0.0010	ND	0.44	160	0.32	280
11/8/2007	6.90	ND	1,711	960	380	95	34	2.7	160	0.17	0.56	0.090	ND	ND	0.47	160	0.47	170
2/6/2008	7.00	ND	1,693	1,300	590	160	43	1.7	160	ND	0.010	0.058	0.0035	0.002	0.67	120	0.41	440
4/29/2008	7.2	NA	1,623	1,200	530	150	39	1.9	140	ND	0.028	0.056	0.0052	ND	0.65	140	0.38	400
8/22/2008	7.18	ND	1,688	1,200	540	150	39	2.0	150	ND	0.019	NA	NA	NA	0.64	130	NA	380
11/24/2008	7.09	70	1,513	1,000	500	140	37	1.9	150	ND	0.012	NA	NA	NA	0.60	120	NA	310
2/17/2009	7.07	2	1,641	1,100	500	140	36	1.8	140	ND	0.012	NA	NA	NA	0.59	110	NA	360
4/15/2009	7.06	ND	1,428	940	540	150	41	1.5	120	ND	ND	NA	NA	NA	0.58	99	NA	330
7/29/2009	7.33	ND	1,614	1,080	510	144	36	2.0	154	ND	0.010	NA	NA	NA	0.46	94	NA	360

NS indicates that well was or was not sampled during regular quarterly monitoring.
ND is "not detected".
NA is "not analyzed".



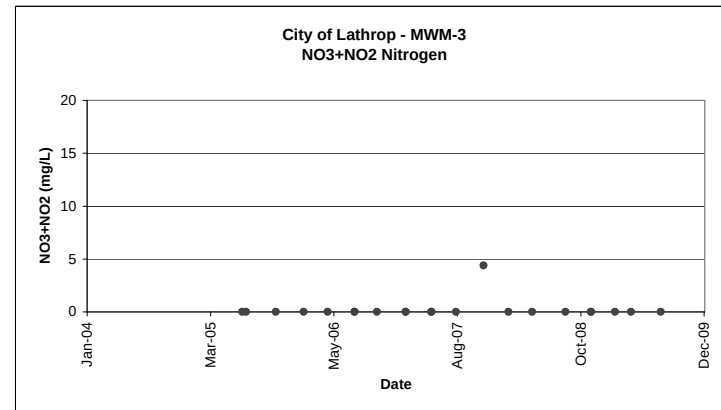
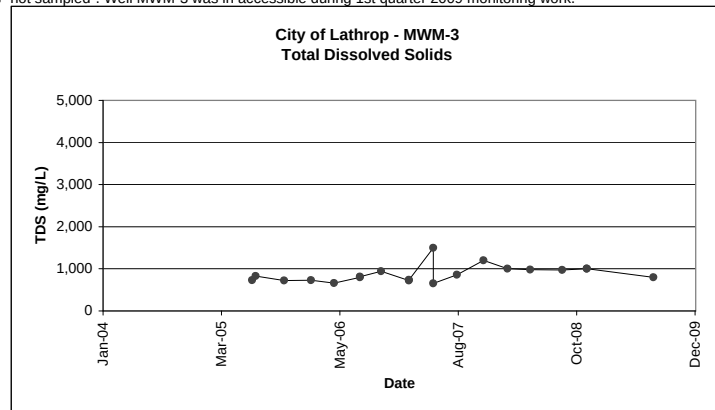
MWM-2 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/19/2005	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	0.52	NA	270	329	ND	ND	ND	ND	ND
6/27/2005	ND	ND	ND	ND	ND	ND	ND	0.18	0.14	ND	ND	NA	260	317	ND	ND	ND	ND	ND
11/7/2005	ND	0.011	0.35	ND	ND	ND	0.13	0.25	ND	ND	ND	NA	260	320	ND	ND	ND	ND	ND
2/6/2006	0.0056	0.0087	0.28	0.001	ND	ND	0.13	0.42	0.13	0.12	0.12	NA	240	290	ND	ND	ND	ND	ND
5/4/2006	ND	0.0080	0.29	ND	ND	ND	0.17	ND	ND	0.76	0.76	NA	215	265	ND	ND	ND	ND	ND
8/8/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/26/2006	0.005	0.0053	0.31	0.00039	ND	ND	0.10	0.20	ND	ND	ND	NA	230	280	ND	ND	ND	ND	ND
2/5/2007	ND	0.0049	0.33	0.00030	ND	ND	0.14	ND	ND	ND	ND	NA	250	300	NA	ND	ND	ND	ND
5/7/2007	ND	ND	0.29	0.00050	ND	ND	0.11	0.41	ND	ND	ND	NA	280	340	NA	ND	ND	ND	ND
8/3/2007	ND	0.0038	0.20	ND	ND	ND	0.11	ND	ND	ND	ND	NA	280	340	NA	ND	ND	ND	ND
11/8/2007	ND	0.014	0.37	ND	ND	ND	0.29	0.18	0.11	ND	ND	NA	330	410	NA	ND	ND	ND	ND
2/6/2008	ND	0.0037	0.26	0.00095	ND	ND	0.20	ND	0.16	11	11	NA	340	410	NA	ND	ND	ND	ND
4/29/2008	ND	0.0034	0.26	0.0011	ND	ND	0.14	0.24	ND	3.1	3.1	NA	370	450	NA	ND	ND	ND	ND
8/22/2008	NA	NA	0.29	NA	NA	NA	NA	0.13	ND	2.9	2.9	NA	320	380	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.34	NA	NA	NA	NA	ND	ND	6.3	6.3	NA	340	410	NA	ND	ND	ND	ND
2/17/2009	NA	NA	0.27	NA	NA	NA	NA	ND	ND	6.6	6.6	NA	360	430	NA	ND	ND	ND	ND
4/15/2009	NA	NA	0.28	NA	NA	NA	NA	ND	ND	7.1	7.1	NA	360	440	NA	ND	ND	ND	ND
7/29/2009	NA	NA	0.30	NA	NA	NA	NA	ND	ND	8.8	8.8	NA	340	420	ND	ND	ND	ND	ND

MWM-3																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
7/5/2005	7.51	>1,600	990	730	NA	79	30	3.6	146	0.22	0.49	0.152	ND	ND	ND	140	1.5	160
7/19/2005	7.52	30	980	830	NA	84	30	3.6	150	0.15	0.48	0.130	ND	0.12	ND	150	ND	160
11/1/2005	7.23	2	958	720	290	74	27	2.5	150	0.26	0.46	0.059	0.0028	ND	0.40	140	0.45	160
2/8/2006	7.29	2	1,008	730	320	81	29	3.6	150	0.32	0.54	0.072	0.0032	ND	0.46	140	0.44	160
5/4/2006	6.87	>1,600	1,276	660	320	82	29	3.9	150	0.18	0.43	0.068	0.0040	ND	0.40	130	0.43	160
8/8/2006	6.77	2	1,330	800	350	90	31	2.7	160	0.072	0.43	0.069	0.00088	ND	0.44	150	0.45	170
8/8/2006	6.77	ND	1,330	810	350	89	31	2.6	150	0.079	0.47	0.070	0.00076	ND	0.50	150	0.44	170
10/26/2006	6.86	8	1,289	940	300	75	28	2.6	160	0.14	0.30	0.072	0.0017	0.0041	0.47	140	0.49	150
2/5/2007	7.22	7	1,250	720	280	69	28	2.8	150	0.16	0.44	0.071	ND	ND	0.42	130	0.42	140
2/5/2007	7.22	4	1,250	740	270	64	27	3.0	150	0.15	0.44	0.065	ND	ND	0.42	130	0.45	140
5/7/2007	7.24	2	1,160	1,500	280	68	25	2.1	130	0.087	0.28	0.054	0.0014	0.0022	0.34	130	0.44	140
5/7/2007	7.24	2	1,160	660	270	66	25	2.1	130	0.10	0.31	0.057	0.0013	0.0022	0.39	130	0.42	140
8/2/2007	7.17	500	1,277	860	320	82	28	2.6	130	0.13	0.37	0.070	ND	ND	0.42	150	0.46	160
11/8/2007	7.40	ND	1,419	1,200	590	160	43	2.7	170	ND	0.15	0.070	0.0016	ND	0.64	150	0.38	420
2/5/2008	7.20	2	1,681	1,000	440	110	38	2.4	190	0.19	0.59	0.086	0.0019	0.0022	0.53	190	0.49	210
4/29/2008	7.21	ND	1,600	980	410	100	36	2.4	180	0.12	0.41	0.089	0.0017	0.002	0.56	200	0.46	200
8/25/2008	7.26	170	1,635	970	400	100	37	2.5	170	0.12	0.49	NA	NA	NA	0.56	95	NA	98
11/24/2008	7.22	ND	1,698	1,000	430	110	38	2.6	190	0.18	0.61	NA	NA	NA	0.61	190	NA	200
11/24/2008	7.22	4	1,698	1,000	430	110	38	2.5	190	0.13	0.59	NA	NA	NA	0.61	180	NA	190
2/17/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/2009	7.24	80	1,398	810	340	83	32	2.1	150	0.031	0.31	NA	NA	NA	0.46	150	NA	160
7/29/2009	7.38	220	1,358	800	320	82	27	2.0	167	0.11	0.32	NA	NA	NA	0.36	162	NA	173

ND is "not detected".

NA is "not analyzed".

NS denotes "not sampled". Well MWM-3 was in accessible during 1st quarter 2009 monitoring work.



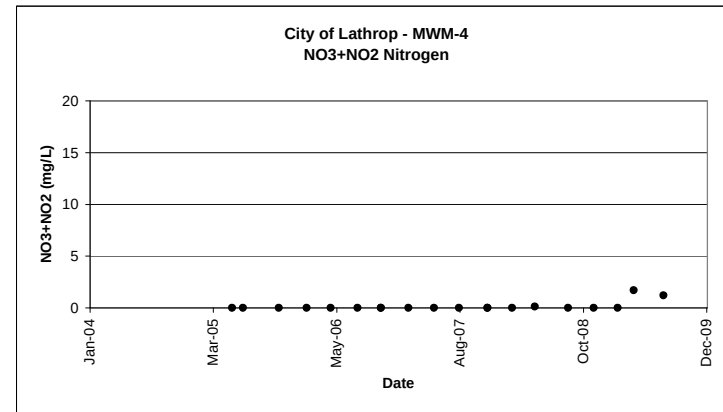
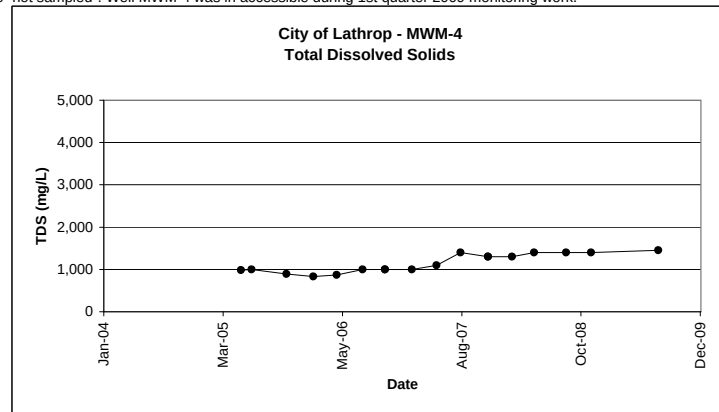
MWM-3 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
7/5/2005	ND	ND	0.34	ND	ND	ND	ND	ND	0.1	ND	ND	NA	320	390	ND	ND	ND	ND	ND
7/19/2005	ND	ND	0.38	0.012	ND	ND	ND	1.4	ND	ND	ND	NA	310	378	ND	ND	ND	ND	ND
11/1/2005	0.0091	0.015	0.34	ND	ND	ND	0.32	ND	ND	ND	ND	NA	280	340	ND	ND	ND	ND	ND
2/8/2006	0.0056	0.016	0.32	ND	ND	ND	0.33	0.13	ND	ND	ND	NA	280	340	ND	ND	ND	ND	ND
5/4/2006	0.0054	0.014	0.30	ND	ND	ND	0.29	ND	ND	ND	ND	NA	260	315	ND	ND	ND	ND	ND
8/8/2006	0.0064	0.014	0.36	ND	ND	ND	0.25	0.20	ND	ND	ND	NA	310	380	ND	ND	ND	ND	ND
8/8/2006	0.0062	0.014	0.35	ND	ND	ND	0.25	0.21	ND	ND	ND	NA	300	360	ND	ND	ND	ND	ND
10/26/2006	0.0064	0.014	0.32	ND	ND	ND	0.21	0.23	ND	ND	ND	NA	270	330	ND	ND	ND	ND	ND
2/5/2007	ND	0.013	0.32	ND	ND	ND	0.32	ND	ND	ND	ND	NA	270	330	NA	ND	ND	ND	ND
2/5/2007	0.0052	0.013	0.33	ND	ND	ND	0.35	ND	ND	ND	ND	NA	270	330	NA	ND	ND	ND	ND
5/7/2007	ND	0.013	0.27	ND	ND	ND	0.27	0.38	ND	ND	ND	NA	280	340	NA	ND	ND	ND	ND
5/7/2007	ND	0.013	0.28	ND	ND	ND	0.27	0.28	ND	ND	ND	NA	280	340	NA	ND	ND	ND	ND
8/2/2007	ND	0.012	0.34	ND	ND	ND	0.29	0.18	ND	ND	ND	NA	300	360	NA	ND	ND	ND	ND
11/8/2007	ND	0.0041	0.33	0.0003	ND	ND	0.17	ND	ND	4.4	4.4	NA	290	360	NA	ND	ND	ND	ND
2/5/2008	ND	0.012	0.34	ND	ND	ND	0.24	0.13	ND	ND	ND	NA	390	480	NA	ND	ND	ND	ND
4/29/2008	ND	0.011	0.34	ND	ND	ND	0.24	0.22	ND	ND	ND	NA	450	550	NA	ND	ND	ND	ND
8/25/2008	NA	NA	0.37	NA	NA	NA	NA	ND	ND	ND	ND	NA	410	500	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.39	NA	NA	NA	NA	ND	3.3	ND	ND	NA	410	510	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.39	NA	NA	NA	NA	ND	0.12	ND	ND	NA	400	490	NA	ND	ND	ND	ND
2/17/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/2009	NA	NA	0.34	NA	NA	NA	NA	0.16	ND	ND	ND	NS	330	410	NA	ND	ND	ND	ND
7/29/2009	NA	NA	0.30	NA	NA	NA	NA	ND	ND	ND	ND	NA	270	330	ND	ND	ND	ND	ND

MWM-4																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/19/2005	7.62	300	1,400	980	NA	91	37	5.0	247	ND	0.57	0.131	ND	0.022	ND	300	ND	140
6/27/2005	7.47	170	1,500	1,000	NA	92	33	ND	200	0.31	0.55	ND	ND	ND	ND	270	ND	140
11/2/2005	7.28	4	1,566	890	380	99	39	4.1	180	ND	0.78	0.081	0.0050	ND	0.60	220	0.35	140
2/8/2006	7.23	ND	1,499	830	380	93	36	5.1	160	ND	0.78	0.080	0.0038	ND	0.56	220	0.38	140
5/5/2006	6.94	130	1,522	870	430	100	42	3.8	180	ND	0.77	0.085	0.0063	ND	0.62	230	0.35	150
8/8/2006	6.92	500	1,706	1,000	460	110	45	3.5	190	ND	0.44	0.098	0.0018	ND	0.64	260	0.31	150
10/30/2006	7.38	ND	1,596	1,000	420	99	41	3.7	190	ND	0.55	0.090	0.0020	0.0027	0.62	250	0.40	150
10/30/2006	7.38	ND	1,596	1,000	410	97	41	3.5	190	ND	0.61	0.085	0.0021	0.0027	0.63	240	0.40	140
2/5/2007	7.24	ND	1,594	1,000	420	97	43	4.1	180	ND	0.63	0.084	0.0013	ND	0.55	260	0.34	150
5/7/2007	7.22	ND	1,754	1,100	460	110	46	3.1	190	ND	0.48	0.093	0.0027	0.0034	0.70	290	0.32	160
8/3/2007	6.82	13	1,911	1,400	420	120	30	2.7	130	ND	0.68	0.110	0.0011	ND	0.73	330	0.32	160
11/12/2007	7.10	14	1,879	1,300	480	120	45	3.7	190	ND	0.80	0.100	0.0018	ND	0.65	330	0.35	160
11/12/2007	7.10	7	1,879	1,300	480	120	46	3.0	190	ND	0.81	0.110	0.0014	ND	0.65	320	0.35	160
2/8/2008	7.19	ND	1,947	1,300	500	120	48	3.7	220	ND	0.50	0.11	0.0033	ND	0.57	330	0.32	160
4/29/2008	7.12	ND	2,369	1,400	490	120	46	2.9	280	ND	0.15	0.12	0.0023	0.0022	0.87	430	0.36	190
8/25/2008	7.19	2	2,284	1,400	570	140	53	3.4	280	ND	0.35	NA	NA	NA	0.80	400	NA	180
11/24/2008	7.16	350	2,105	1,400	630	150	62	3.6	270	ND	0.77	NA	NA	NA	0.72	420	NA	160
2/17/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/2009	7.12	2	2,582	1,400	380	95	35	2.0	380	ND	0.029	NA	NA	NA	0.96	450	NA	190
7/29/2009	7.28	30	2,483	1,450	400	106	32	2.0	420	ND	ND	NA	NA	NA	0.71	440	NA	190

ND is "not detected".

NA is "not analyzed".

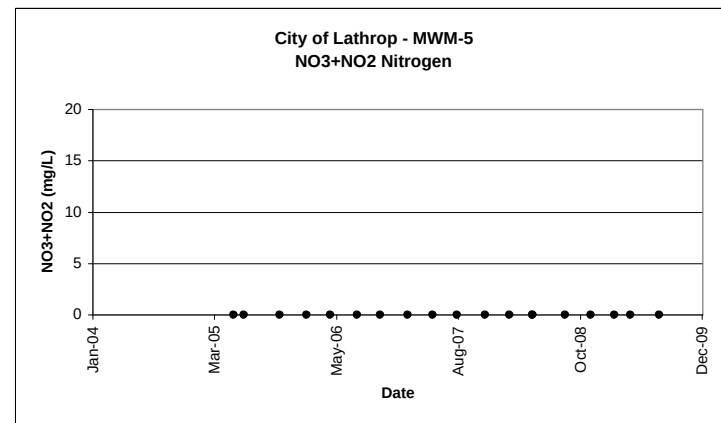
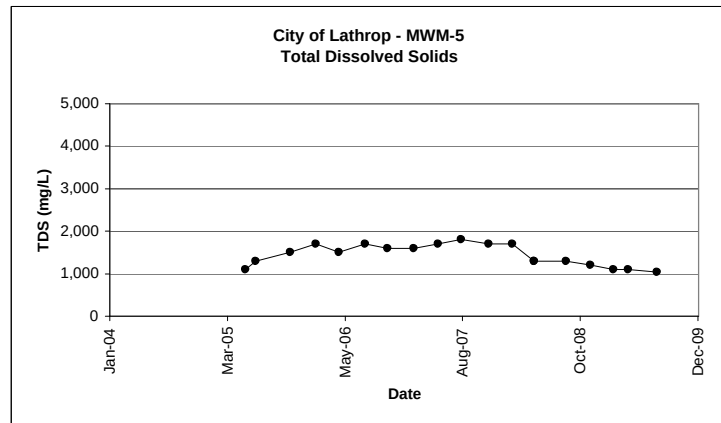
NS denotes "not sampled". Well MWM-4 was in accessible during 1st quarter 2009 monitoring work.



MWM-4 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/19/2005	ND	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND	NA	290	354	ND	ND	ND	ND	ND
6/27/2005	ND	ND	ND	ND	ND	ND	ND	0.16	0.14	ND	ND	NA	330	403	ND	ND	ND	ND	ND
11/2/2005	0.0064	0.0059	0.25	0.0013	ND	ND	0.20	ND	ND	ND	ND	NA	320	390	ND	ND	ND	ND	ND
2/8/2006	ND	0.0053	0.22	0.0003	ND	ND	0.21	0.16	ND	ND	ND	NA	300	370	ND	ND	ND	ND	ND
5/5/2006	ND	0.0050	0.22	0.00028	ND	ND	0.25	ND	ND	ND	ND	NA	305	370	ND	ND	ND	ND	ND
8/8/2006	0.0063	0.0054	0.24	0.00070	ND	ND	0.20	0.21	ND	ND	ND	NA	330	400	ND	ND	ND	ND	ND
10/30/2006	ND	0.0046	0.23	ND	ND	ND	0.22	ND	ND	ND	ND	NA	310	380	ND	ND	ND	ND	ND
10/30/2006	0.005	0.0047	0.22	ND	ND	ND	0.24	ND	ND	ND	ND	NA	310	380	ND	ND	ND	ND	ND
2/5/2007	ND	0.0046	0.22	0.00040	ND	ND	0.26	ND	ND	ND	ND	NA	310	380	NA	ND	ND	ND	ND
5/7/2007	ND	0.0046	0.20	0.00090	ND	ND	0.21	0.38	ND	ND	ND	NA	380	470	NA	ND	ND	ND	ND
8/3/2007	ND	0.0041	0.29	ND	ND	ND	0.28	0.26	ND	ND	ND	NA	380	470	NA	ND	ND	ND	ND
11/12/2007	ND	0.0050	0.23	0.00020	ND	ND	0.25	0.15	0.14	ND	ND	NA	350	430	NA	ND	ND	ND	ND
11/12/2007	ND	0.0051	0.23	ND	ND	ND	0.25	0.13	0.15	ND	ND	NA	350	430	NA	ND	ND	ND	ND
2/8/2008	ND	0.0045	0.21	0.00034	ND	ND	0.22	0.16	ND	ND	ND	NA	390	470	NA	ND	ND	ND	ND
4/29/2008	ND	0.0041	0.18	0.00031	ND	ND	0.21	0.12	ND	0.12	0.12	NA	510	630	NA	ND	ND	ND	ND
8/25/2008	NA	NA	0.21	NA	NA	NA	NA	0.18	ND	ND	ND	NA	440	540	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.22	NA	NA	NA	NA	ND	ND	ND	ND	NA	520	630	NA	ND	ND	ND	ND
2/17/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/2009	NA	NA	0.21	NA	NA	NA	NA	0.21	ND	1.7	1.7	NS	490	600	NA	ND	ND	ND	ND
7/29/2009	NA	NA	0.30	NA	NA	NA	NA	ND	ND	1.2	1.2	NA	470	580	ND	ND	ND	ND	ND

MWM-5																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/20/2005	9.50	23	1,700	1,100	NA	132	16	8.6	214	ND	ND	0.305	ND	ND	ND	410	ND	200
6/27/2005	7.71	ND	2,000	1,300	NA	170	49	ND	180	0.12	0.79	0.26	ND	ND	ND	490	ND	280
11/2/2005	7.62	23	2,223	1,500	730	200	72	5.7	190	ND	1.9	0.21	0.006	0.0041	0.83	440	0.26	260
2/7/2006	7.11	22	2,460	1,700	810	200	76	7.6	200	0.75	2.2	0.22	0.010	ND	0.78	470	0.30	270
5/4/2006	7.10	900	2,467	1,500	820	200	80	5.7	210	0.46	2.3	0.23	0.014	0.0047	0.83	440	0.27	270
8/8/2006	7.28	4	2,346	1,700	790	190	75	5.2	210	0.038	1.5	0.20	0.0013	0.0030	0.82	450	0.29	270
10/30/2006	7.03	13	2,540	1,600	830	200	80	5.3	230	0.74	2.0	0.23	0.0029	0.0042	0.88	490	0.33	310
2/5/2007	7.12	8	2,618	1,600	790	180	82	5.4	220	0.78	2.2	0.23	0.0011	ND	0.78	480	0.25	290
5/7/2007	7.06	ND	2,541	1,700	830	200	82	4.3	200	0.45	1.4	0.20	0.0038	0.0075	0.86	500	0.27	300
8/2/2007	7.13	50	2,520	1,800	810	200	77	5.6	190	0.15	1.6	0.20	0.0017	ND	0.88	510	0.28	320
11/12/2007	6.90	2	2,610	1,700	830	210	77	3.8	180	0.37	2.1	0.20	0.0018	ND	0.83	480	0.26	310
2/7/2008	7.21	ND	2,698	1,700	800	190	79	4.0	200	0.58	2.1	0.20	0.0039	0.0037	0.69	440	0.27	280
4/29/2008	7.09	ND	2,093	1,300	660	160	64	3.1	170	0.57	1.2	0.16	0.0025	0.0032	0.70	440	0.29	270
4/29/2008	7.09	ND	2,093	1,300	660	160	64	3.2	170	0.57	1.2	0.16	0.0022	0.0029	0.77	400	0.29	270
8/25/2008	7.24	ND	2,063	1,300	580	140	57	3.3	150	0.18	1.1	NA	NA	NA	0.67	360	NA	230
11/24/2008	7.14	ND	1,840	1,200	590	140	59	3.3	160	0.18	1.4	NA	NA	NA	0.66	340	NA	210
2/17/2009	7.10	4	1,776	1,100	530	130	51	2.9	160	0.19	0.78	NA	NA	NA	0.61	330	NA	210
4/15/2009	7.14	2	1,850	1,100	510	120	52	2.7	140	0.054	0.49	NA	NA	NA	0.67	320	NA	200
7/29/2009	7.42	4	1,967	1,040	540	134	49	3.0	157	0.12	1.05	NA	NA	NA	0.45	307	NA	194

ND is "not detected".
NA is "not analyzed".

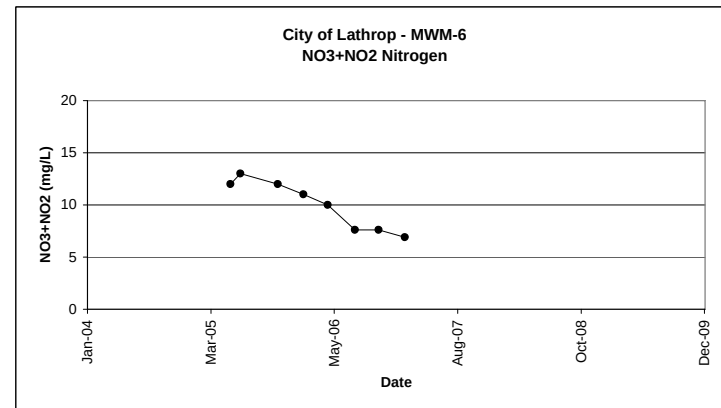
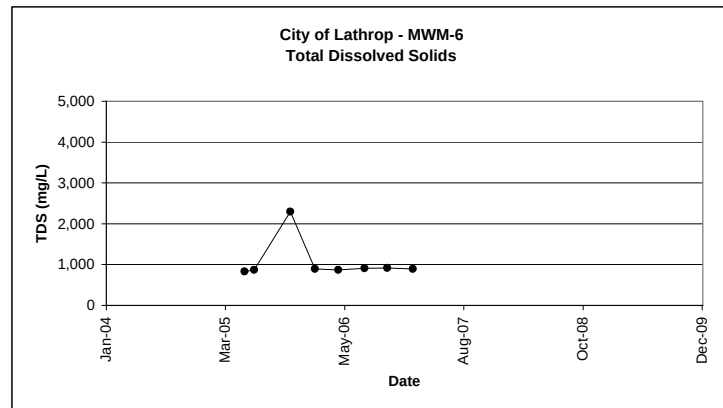


MWM-5 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/20/2005	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND	NA	24	NA	21	ND	ND	ND	ND
6/27/2005	ND	ND	ND	ND	ND	ND	ND	0.39	0.13	ND	ND	NA	230	281	ND	ND	ND	ND	ND
11/2/2005	0.0053	0.0056	0.23	0.0003	ND	ND	0.05	0.50	ND	ND	ND	NA	320	390	ND	ND	ND	ND	ND
2/7/2006	0.0052	0.0093	0.24	0.0022	ND	ND	0.10	0.11	0.15	ND	ND	NA	340	410	ND	ND	ND	ND	ND
5/4/2006	0.0051	0.0084	0.20	0.0020	ND	ND	0.074	0.17	ND	ND	ND	NA	330	400	ND	ND	ND	ND	ND
8/8/2006	0.0077	0.0068	0.24	ND	ND	ND	ND	0.26	ND	ND	ND	NA	310	370	ND	ND	ND	ND	ND
10/30/2006	0.0058	0.0081	0.20	ND	ND	ND	ND	ND	ND	ND	ND	NA	330	410	ND	ND	ND	ND	ND
2/5/2007	0.0053	0.0092	0.21	0.0002	ND	ND	0.25	ND	ND	ND	ND	NA	340	410	NA	ND	ND	ND	ND
5/7/2007	ND	0.0073	0.19	0.0005	ND	ND	0.057	0.53	ND	ND	ND	NA	380	460	NA	ND	ND	ND	ND
8/2/2007	ND	0.0064	0.21	0.0003	ND	ND	0.036	0.30	ND	ND	ND	NA	350	420	NA	ND	ND	ND	ND
11/12/2007	ND	0.0081	0.19	ND	ND	ND	0.039	0.19	0.13	ND	ND	NA	340	420	NA	ND	ND	ND	ND
2/7/2008	ND	0.0080	0.16	0.0002	ND	ND	0.045	0.16	0.12	ND	ND	NA	370	450	NA	ND	ND	ND	ND
4/29/2008	ND	0.0067	0.16	ND	ND	ND	0.046	0.31	ND	ND	ND	NA	390	480	NA	ND	ND	ND	ND
4/29/2008	ND	0.0069	0.15	ND	ND	ND	0.046	0.12	1.0	ND	ND	NA	350	420	NA	ND	ND	ND	ND
8/25/2008	NA	NA	0.18	NA	NA	NA	NA	ND	ND	ND	ND	NA	280	340	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.18	NA	NA	NA	NA	ND	ND	ND	ND	NA	290	350	NA	ND	ND	ND	ND
2/17/2009	NA	NA	0.17	NA	NA	NA	NA	0.14	ND	ND	ND	NA	290	350	NA	ND	ND	ND	ND
4/15/2009	NA	NA	0.16	NA	NA	NA	NA	0.17	ND	ND	ND	NA	280	350	NA	ND	ND	ND	ND
7/29/2009	NA	NA	0.20	NA	NA	NA	NA	ND	ND	ND	ND	NA	250	310	ND	ND	ND	ND	ND

MWM-6																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/23/2005	7.68	50	1,100	830	NA	74	32	4.2	190	ND	0.035	0.33	ND	0.0595	ND	180	ND	160
6/27/2005	7.61	4	1,400	870	NA	82	32	ND	160	ND	ND	ND	ND	ND	ND	170	ND	170
11/7/2005	7.33	ND	1,425	2,300	310	76	32	3.9	180	ND	0.040	0.054	0.0033	ND	0.53	160	0.47	180
2/6/2006	7.34	4	1,390	890	320	76	33	5.5	180	ND	0.030	0.060	0.0037	ND	0.58	170	0.47	200
5/3/2006	6.88	17	1,470	870	1,400	96	38	5.3	180	ND	0.086	0.069	0.0047	ND	0.69	190	0.35	190
8/7/2006	7.01	ND	1,389	910	360	86	34	3.7	170	ND	0.10	0.069	0.0022	ND	0.56	180	0.39	180
10/30/2006	7.31	ND	1,397	920	340	80	34	4.1	190	ND	0.070	0.066	0.0017	0.0028	0.64	180	0.47	180
2/1/2007	7.68	ND	1,394	890	390	93	39	3.5	190	ND	0.045	0.061	0.0010	ND	0.58	180	0.37	190

ND is "not detected".

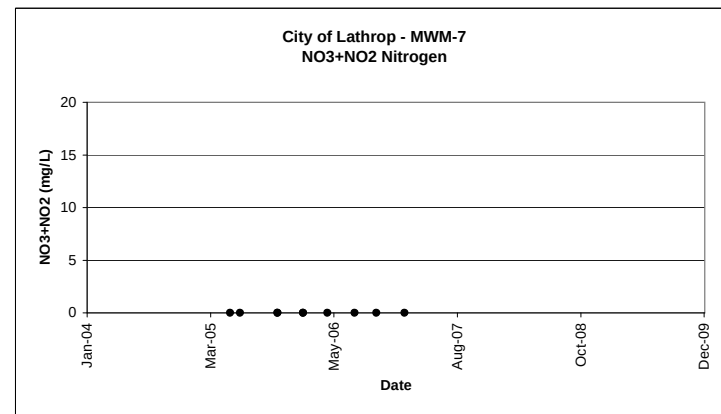
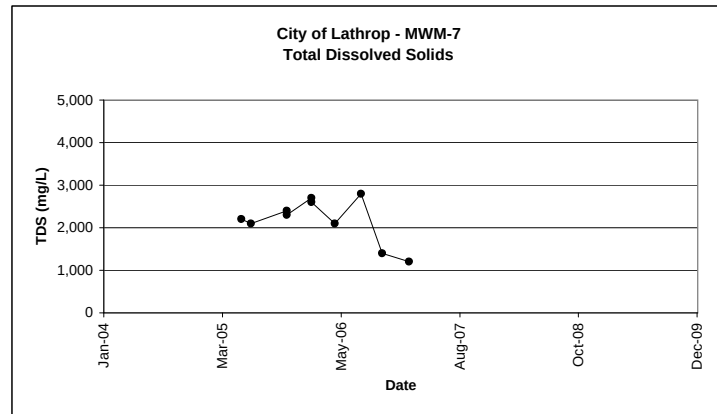
NA is "not analyzed".



MWM-6 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/23/2005	ND	ND	0.62	ND	ND	ND	ND	ND	ND	12	12	NA	240	293	NA	0.91	ND	ND	ND
6/27/2005	ND	ND	0.66	ND	ND	ND	ND	ND	ND	13	13	NA	250	305	NA	ND	ND	ND	ND
11/7/2005	ND	0.0035	0.70	0.0009	ND	ND	0.18	ND	ND	12	12	NA	250	300	ND	ND	ND	ND	ND
2/6/2006	0.0050	0.0035	0.59	0.0012	ND	ND	0.18	0.40	ND	11	11	NA	250	300	ND	ND	ND	ND	ND
5/3/2006	ND	0.0029	0.49	0.00024	ND	ND	0.21	ND	ND	10	10	NA	200	245	ND	ND	ND	ND	ND
8/7/2006	0.0066	0.0039	0.50	0.0010	ND	ND	0.18	ND	ND	7.6	7.6	NA	240	290	ND	ND	ND	ND	ND
10/30/2006	ND	0.0031	0.54	0.00034	ND	ND	0.20	ND	ND	7.6	7.6	NA	240	290	ND	ND	ND	ND	ND
2/1/2007	ND	0.0027	0.59	0.00050	ND	ND	0.30	ND	ND	6.9	6.9	NA	250	300	NA	ND	ND	ND	ND

MWM-7																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/23/2005	6.95	90	3,100	2,200	NA	418	122	3.8	344	ND	1.66	0.34	ND	0.0357	2.2	960	ND	200
6/27/2005	7.17	23	3,700	2,100	NA	280	100	ND	300	0.11	1.00	0.71	ND	ND	2.2	960	ND	220
11/7/2005	6.78	ND	4,141	2,400	1,100	270	120	4.5	390	ND	1.70	0.15	0.012	0.0034	2.9	1,000	0.59	210
11/7/2005	6.78	170	4,141	2,300	1,100	260	120	4.0	400	ND	1.70	0.15	0.015	0.0038	2.9	1,000	0.60	220
2/6/2006	6.86	2	3,992	2,700	1,100	260	110	6.6	380	ND	1.00	0.18	0.012	ND	2.5	1,000	0.61	230
2/6/2006	6.86	ND	3,992	2,600	1,100	270	110	9.1	380	ND	1.00	0.18	0.013	ND	2.6	1,000	0.62	230
5/3/2006	6.47	12	3,766	2,100	1,200	300	110	7.1	370	ND	0.79	0.18	0.015	0.0048	2.0	910	0.52	210
8/8/2006	6.41	4	3,700	2,800	1,100	270	110	4.8	350	ND	1.00	0.16	0.0025	0.0025	2.2	940	0.66	210
10/24/2006	6.41	ND	2,047	1,400	550	130	53	3.3	250	ND	0.48	0.088	0.0035	0.0029	0.95	350	0.92	160
2/1/2007	7.49	4	1,488	1,200	390	94	37	2.4	220	ND	0.25	0.083	0.00089	ND	0.62	160	0.88	100

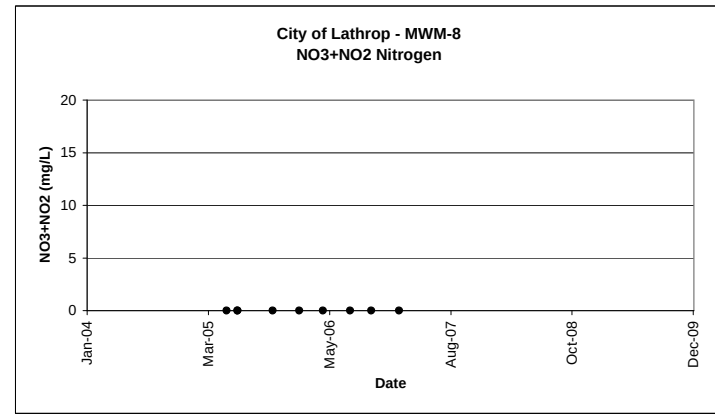
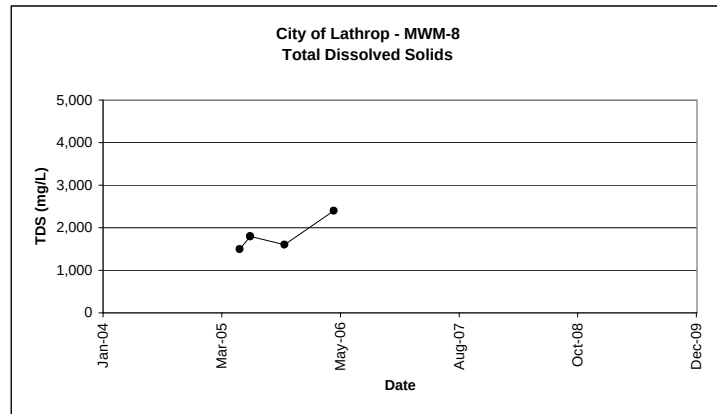
ND is "not detected".
NA is "not analyzed".



MWM-7 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/23/2005	ND	ND	0.38	ND	ND	ND	ND	3.1	ND	ND	ND	NA	330	403	ND	0.74	ND	ND	ND
6/27/2005	ND	0.32	0.45	ND	ND	ND	ND	0.30	ND	ND	ND	NA	320	390	ND	ND	ND	ND	ND
11/7/2005	ND	0.0012	0.37	ND	ND	ND	0.02	0.28	ND	ND	ND	NA	310	370	ND	ND	ND	ND	ND
11/7/2005	ND	0.0014	0.36	ND	ND	ND	0.02	0.51	ND	ND	ND	NA	310	380	ND	ND	ND	ND	ND
2/6/2006	ND	0.00095	0.36	0.0003	ND	ND	0.01	0.64	ND	ND	ND	NA	310	380	ND	ND	ND	ND	ND
2/6/2006	0.0050	0.0011	0.39	0.0004	ND	ND	0.02	0.63	ND	ND	ND	NA	310	380	ND	ND	ND	ND	ND
5/3/2006	ND	0.00086	0.41	ND	ND	ND	0.016	0.25	ND	ND	ND	NA	355	435	ND	ND	ND	ND	ND
8/8/2006	0.0057	0.0010	0.40	0.00020	ND	ND	ND	0.24	ND	ND	ND	NA	340	420	ND	ND	ND	ND	ND
10/24/2006	0.0068	0.0013	0.48	ND	ND	ND	0.025	0.27	ND	ND	ND	NA	440	540	ND	ND	ND	0.13	ND
2/1/2007	ND	0.0012	0.42	ND	ND	ND	0.21	0.21	ND	ND	ND	NA	450	540	NA	ND	ND	ND	ND

MWM-8																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/19/2005	7.25	500	2,300	1,500	NA	160	90	3.2	225	ND	3.24	0.19	ND	0.011	1.4	640	ND	160
6/27/2005	7.06	300	3,100	1,800	NA	220	110	ND	230	0.16	3.70	0.45	ND	ND	1.8	800	ND	170
6/27/2005	6.86	300	3,100	1,800	NA	230	110	ND	220	0.15	4.00	0.23	ND	ND	1.8	790	ND	170
11/1/2005	6.95	ND	2,532	1,600	670	140	76	3.5	260	0.035	2.20	0.10	0.006	0.002	1.3	510	0.42	230
2/6/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/2/2006	6.59	2	3,564	2,400	980	210	110	7.9	380	ND	2.30	0.10	0.011	ND	2.2	890	0.35	260
8/8/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/24/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/1/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

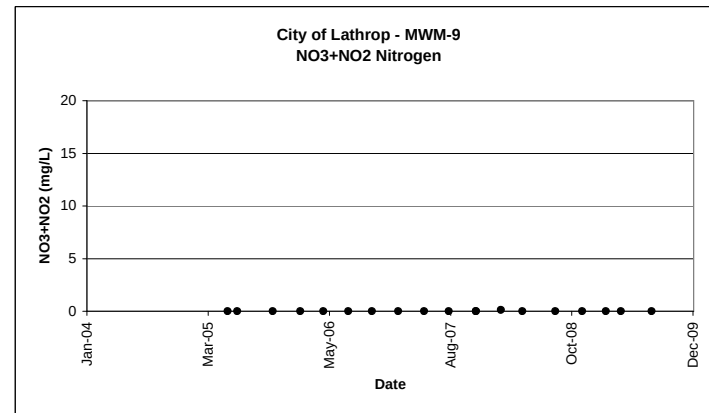
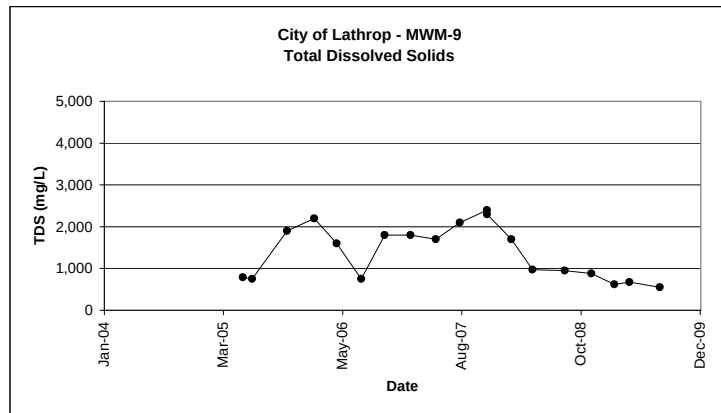
NS indicates that well was not sampled during regular quarterly monitoring.
 ND is "not detected".
 NA is "not analyzed".



[illegible]

MWM-9																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.44	> 1,600	1,100	790	NA	87	35	7.1	165	ND	0.83	0.28	ND	0.0326	ND	210	ND	58
6/27/2005	7.20	NA	1,200	750	NA	92	32	ND	110	0.078	1.20	0.33	ND	ND	ND	160	ND	60
11/3/2005	6.80	4	3,098	1,900	890	220	94	3.7	280	0.064	4.50	0.49	0.009	0.0091	2.1	750	0.26	160
2/10/2006	6.89	ND	3,288	2,200	1,100	240	100	5.0	290	0.036	4.30	0.44	0.012	0.0063	2.1	770	0.29	190
5/4/2006	6.61	900	2,960	1,600	840	200	83	4.8	320	0.021	3.70	0.39	0.013	0.0087	1.8	570	0.28	180
8/2/2006	6.62	230	1,246	750	300	73	29	1.9	170	ND	1.20	0.13	0.0012	0.0026	0.57	140	0.31	64
10/27/2006	6.74	36	2,328	1,800	620	150	61	4.3	280	ND	1.90	0.39	0.0027	0.0053	1.5	460	0.36	130
1/30/2007	6.68	ND	3,020	1,800	860	200	85	4.5	200	0.34	3.80	0.39	0.0012	ND	1.8	720	0.24	160
5/3/2007	6.88	ND	3,008	1,700	860	210	83	4.8	330	ND	3.90	0.37	0.0013	ND	2.1	750	0.26	200
7/31/2007	6.86	23	3,159	2,100	820	200	77	3.7	310	ND	3.70	0.39	0.0016	ND	1.9	740	0.28	190
11/7/2007	6.70	30	3,533	2,400	930	220	89	5.7	360	0.023	4.00	0.35	0.0016	ND	2.2	800	0.22	200
11/7/2007	6.70	50	3,533	2,300	920	220	88	5.5	350	0.024	4.10	0.32	0.0016	ND	2.2	810	0.22	210
2/5/2008	7.00	ND	2,649	1,700	690	170	66	3.2	310	ND	2.5	0.30	0.0035	0.0062	1.6	540	0.31	190
4/22/2008	6.97	ND	1,757	970	410	98	40	2.7	220	ND	1.3	0.21	0.0019	0.0051	0.85	240	0.37	100
8/19/2008	6.96	ND	1,768	950	450	110	42	3.3	210	ND	1.6	NA	NA	NA	0.88	280	NA	100
11/25/2008	6.97	NA	1,537	880	370	89	36	3.3	190	ND	1.5	NA	NA	NA	0.75	230	NA	80
2/18/2009	7.00	NA	1,149	620	260	64	25	1.9	130	ND	0.72	NA	NA	NA	0.49	130	NA	61
4/14/2009	7.06	8	1,033	670	260	63	24	1.8	140	ND	0.55	NA	NA	NA	0.44	110	NA	56
8/3/2009	7.06	ND	1,095	550	230	59	21	2.0	137	ND	0.70	NA	NA	NA	0.25	100	NA	46

ND is "not detected".
NA is "not analyzed".



MWM-9 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	NA	360	439	ND	1.0	ND	ND	ND
6/27/2005	ND	0.400	ND	ND	ND	ND	ND	0.34	0.16	ND	ND	NA	370	451	ND	ND	ND	ND	ND
11/3/2005	0.0052	0.0020	0.32	ND	ND	ND	0.15	0.40	ND	ND	ND	NA	360	440	ND	ND	ND	ND	ND
2/10/2006	0.0058	0.0017	0.34	ND	ND	ND	0.12	0.28	0.11	ND	ND	NA	430	520	ND	ND	ND	ND	ND
5/4/2006	ND	0.0016	0.37	ND	ND	ND	0.14	0.25	ND	ND	ND	NA	495	605	ND	ND	ND	ND	ND
8/2/2006	0.0071	0.0021	0.26	ND	ND	ND	0.16	0.34	ND	ND	ND	NA	380	470	ND	ND	ND	ND	ND
10/27/2006	ND	0.0016	0.32	ND	ND	ND	ND	0.30	ND	ND	ND	NA	420	510	ND	ND	ND	ND	ND
1/30/2007	0.0054	0.0013	0.34	ND	ND	ND	0.15	0.33	ND	ND	ND	NA	380	460	NA	ND	ND	ND	ND
5/3/2007	ND	0.0012	0.37	ND	ND	ND	0.14	0.61	ND	ND	ND	NA	450	550	NA	ND	ND	ND	ND
7/31/2007	0.0054	0.0013	0.33	0.0002	ND	ND	0.12	0.56	ND	ND	ND	NA	420	510	NA	ND	ND	ND	ND
11/7/2007	ND	0.0013	0.36	ND	ND	ND	0.14	ND	0.16	ND	ND	NA	360	440	NA	ND	ND	ND	ND
11/7/2007	ND	0.0013	0.36	ND	ND	ND	0.13	0.24	0.17	ND	ND	NA	370	450	NA	ND	ND	ND	ND
2/5/2008	ND	0.0011	0.32	ND	ND	ND	0.14	0.19	ND	0.12	0.12	NA	490	600	NA	ND	ND	ND	ND
4/22/2008	ND	0.0016	0.30	ND	ND	ND	0.16	0.29	0.11	ND	ND	NA	510	630	NA	ND	ND	ND	ND
8/19/2008	NA	NA	0.29	NA	NA	NA	NA	0.14	ND	ND	ND	NA	670	820	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.26	NA	NA	NA	NA	ND	ND	ND	ND	NA	440	540	NA	ND	ND	ND	ND
2/18/2009	NA	NA	0.21	NA	NA	NA	NA	0.08	ND	ND	ND	NA	360	440	NA	ND	ND	ND	ND
4/14/2009	NA	NA	0.21	NA	NA	NA	NA	0.19	ND	ND	ND	NA	370	450	NA	ND	ND	ND	ND
8/3/2009	NA	NA	0.20	NA	NA	NA	NA	0.70	ND	ND	ND	NA	280	340	ND	ND	ND	ND	ND

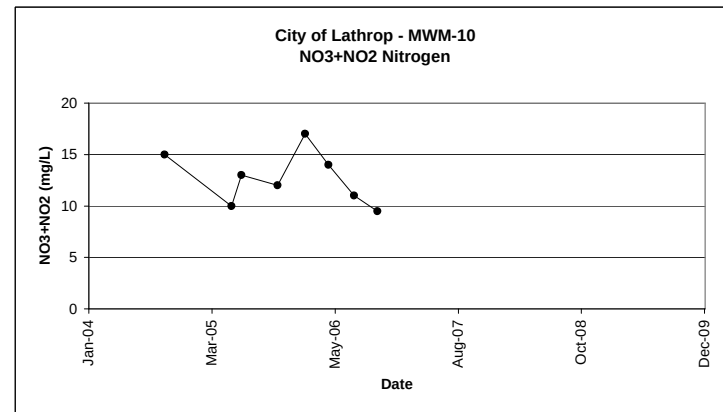
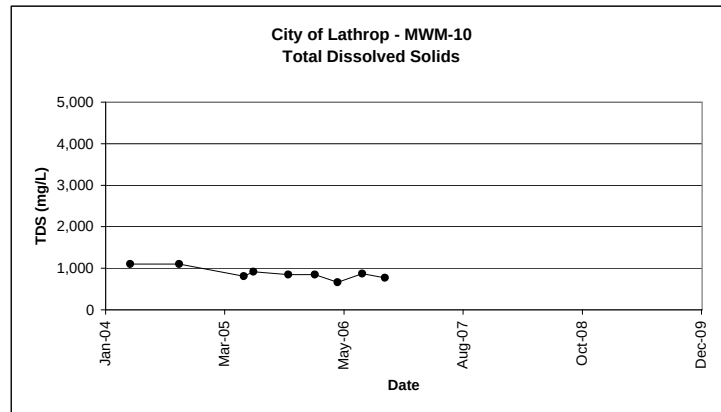
MWM-10																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
4/1/2004	7.27	ND	NA	1,100	NA	120	9.0	12	180	ND	0.04	0.45	NA	NA	NA	NA	NA	200
9/27/2004	7.00	NA	NA	1,100	NA	150	NA	11	170	ND	0.83	ND	NA	ND	ND	NA	ND	190
5/23/2005	7.17	ND	1,100	810	NA	106	36	9.8	132	ND	0.10	0.51	ND	0.123	ND	170	ND	120
6/27/2005	7.12	NA	1,400	920	NA	110	33	11	120	0.04	ND	0.30	ND	ND	ND	200	ND	150
11/2/2005	7.10	4	1,340	850	370	97	34	15	120	ND	0.002	0.085	0.0033	ND	0.38	160	0.14	130
2/8/2006	7.09	ND	1,478	850	400	100	34	21	120	ND	0.0022	0.10	0.0049	ND	0.51	180	0.20	150
5/3/2006	6.68	30	1,217	660	390	100	33	14	110	ND	0.031	0.071	0.0051	ND	0.40	140	0.14	130
8/1/2006	6.65	130	1,246	870	380	97	32	12	120	ND	0.013	0.076	0.00094	ND	0.41	150	0.10	140
10/24/2006	6.31	80	1,189	770	360	92	33	10	120	ND	0.10	0.080	0.0020	0.0026	0.40	150	0.17	130
1/30/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

NS indicates that well was not sampled during regular quarterly monitoring.

ND is "not detected".

NA is "not analyzed".

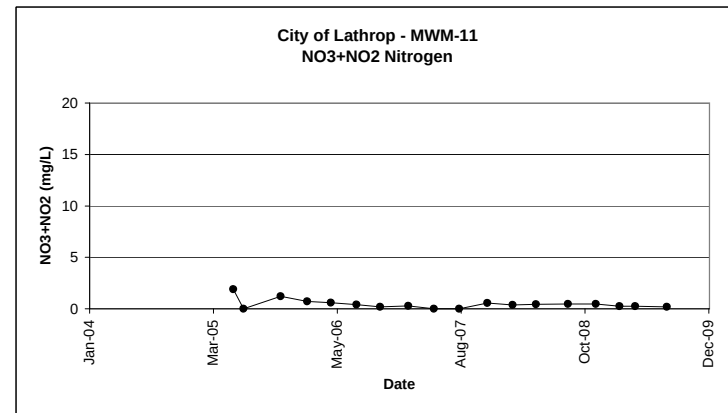
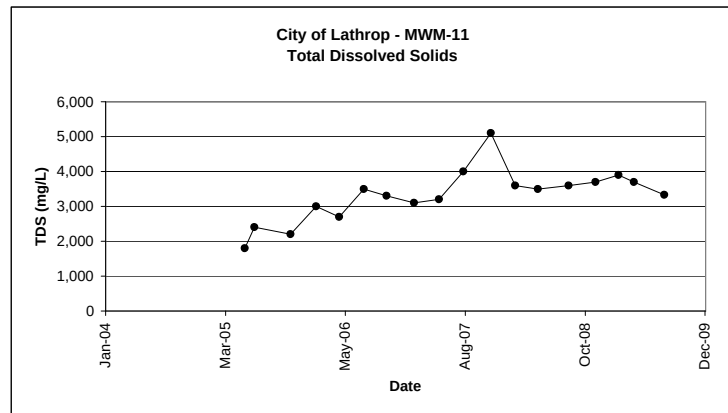
Formerly monitoring well TMW-8.



[illegible]

MWM-11																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/23/2005	7.42	> 1600	2,900	1,800	NA	147	78	6.4	427	ND	0.64	0.65	ND	0.115	2.1	780	ND	130
6/28/2005	7.42	NA	4,100	2,400	NA	230	110	ND	440	0.032	1.10	0.45	ND	ND	2.8	230	ND	160
11/7/2005	7.03	ND	4,530	2,200	1,000	230	110	5.9	540	ND	1.80	0.18	0.011	0.0046	3.1	1,100	0.28	170
2/8/2006	7.07	300	4,710	3,000	1,100	250	110	11	560	ND	1.60	0.23	0.014	0.0027	3.2	1,300	0.26	200
5/3/2006	6.87	13	4,794	2,700	1,200	270	130	10	570	ND	0.63	0.23	0.013	0.0049	3.1	1,200	0.24	200
8/2/2006	6.76	23	4,879	3,500	1,300	280	140	5.3	630	ND	1.3	0.25	0.0027	0.0051	3.1	1,300	0.21	220
10/24/2006	6.78	ND	5,204	3,300	1,200	270	130	7.8	720	ND	1.3	0.30	0.0085	0.0077	3.5	1,500	0.30	270
2/1/2007	7.66	ND	5,395	3,100	1,300	270	140	5.6	650	ND	1.4	0.26	0.0015	ND	3.2	1,500	0.17	250
5/3/2007	7.02	ND	5,690	3,200	1,300	280	150	6.3	680	ND	0.96	0.28	0.0016	ND	3.7	1,500	0.24	280
7/31/2007	7.20	23	5,952	4,000	1,300	280	150	4.5	670	ND	1.7	0.29	0.0022	ND	3.7	1,600	0.23	290
11/8/2007	7.00	ND	6,231	5,100	1,300	280	160	9.9	730	ND	2.0	0.30	0.0022	ND	3.6	1,600	0.39	300
2/5/2008	7.10	ND	5,749	3,600	1,400	280	180	4.3	710	ND	0.83	0.36	0.0043	0.0054	3.7	1,600	0.28	310
4/28/2008	7.07	ND	5,839	3,500	1,400	270	170	4.4	700	ND	0.71	0.30	0.0035	0.0037	3.8	1,600	0.32	300
8/19/2008	7.02	<2	5,765	3,600	1400	270	180	5.4	650	ND	1.3	NA	NA	NA	3.6	1,700	NA	320
11/25/2008	7.05	NA	5,911	3,700	1,400	270	180	6.0	720	ND	2.1	NA	NA	NA	3.8	1,600	NA	300
2/17/2009	7.05	900	5,483	3,900	1,480	280	190	4.2	730	ND	2.9	NA	NA	NA	4.0	1,800	NA	330
4/14/2009	7.01	ND	6,088	3,700	1,470	260	200	4.3	650	ND	1.2	NA	NA	NA	3.8	1,600	NA	310
8/3/2009	7.13	4	5,092	3,330	1,301	235	174	5.0	778	0.06	0.46	NA	NA	NA	3.16	1,490	NA	310

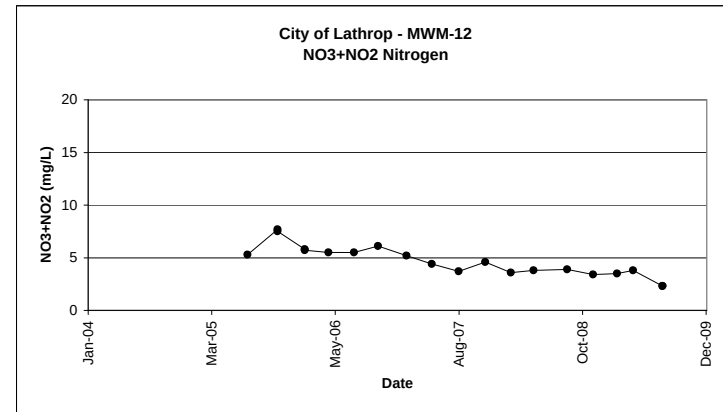
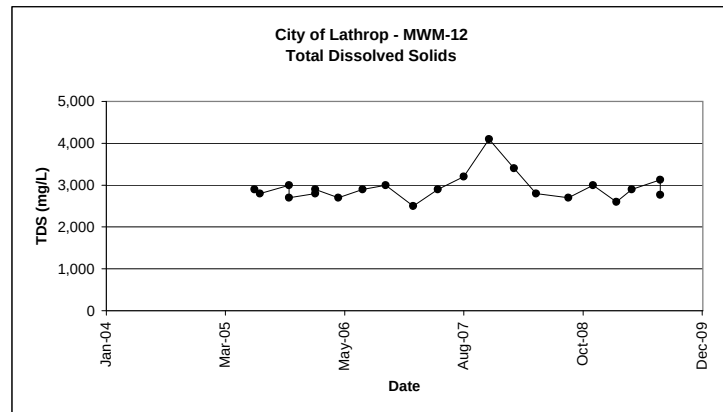
ND is "not detected".
NA is "not analyzed".



MWM-11 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/23/2005	ND	ND	0.46	ND	ND	ND	ND	ND	ND	1.9	1.9	NA	330	403	ND	3.1	0.66	ND	2.2
6/28/2005	ND	0.32	0.60	ND	ND	ND	ND	0.45	0.14	ND	0.93	NA	460	561	ND	ND	ND	ND	ND
11/7/2005	ND	0.0053	0.63	ND	ND	ND	0.10	0.29	ND	1.2	1.1	NA	470	570	ND	ND	ND	ND	ND
2/8/2006	ND	0.0049	0.59	0.0006	ND	ND	0.10	0.36	ND	0.72	0.72	NA	490	600	ND	ND	ND	ND	ND
5/3/2006	0.0057	0.0036	0.61	ND	ND	ND	0.11	0.27	ND	0.60	0.60	NA	500	610	ND	ND	ND	ND	ND
8/2/2006	0.0070	0.0035	0.65	0.0004	ND	ND	0.11	0.45	ND	0.40	0.40	NA	500	610	ND	ND	ND	ND	ND
10/24/2006	0.0062	0.0029	0.64	0.00033	ND	ND	0.11	0.42	ND	0.20	0.20	NA	490	600	ND	ND	ND	ND	ND
2/1/2007	ND	0.0031	0.65	ND	ND	ND	0.87	0.36	ND	0.28	0.28	NA	520	640	NA	ND	ND	ND	ND
5/3/2007	ND	0.0032	0.72	0.0005	ND	ND	0.18	0.61	ND	ND	ND	NA	600	730	NA	ND	ND	ND	ND
7/31/2007	ND	0.0036	0.65	0.0003	ND	ND	0.12	0.59	ND	ND	ND	NA	550	670	NA	ND	ND	ND	ND
11/8/2007	0.0050	0.0036	0.73	ND	ND	ND	0.15	0.28	0.11	0.57	0.57	NA	540	660	NA	ND	ND	ND	ND
2/5/2008	ND	0.0031	0.66	0.0003	ND	ND	0.13	0.44	ND	0.36	0.34	NA	560	680	NA	ND	ND	ND	ND
4/28/2008	ND	0.0019	0.62	0.00037	ND	ND	0.13	0.23	ND	0.42	0.39	NA	580	710	NA	ND	ND	ND	ND
8/19/2008	NA	NA	0.69	NA	NA	NA	NA	0.40	ND	0.47	0.42	NA	1,000	1,300	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.72	NA	NA	NA	NA	0.25	ND	0.46	0.46	NA	540	650	NA	ND	ND	ND	ND
2/17/2009	NA	NA	0.66	NA	NA	NA	NA	0.38	ND	0.25	0.25	NA	560	690	NA	ND	ND	ND	ND
4/14/2009	NA	NA	0.68	NA	NA	NA	NA	0.25	ND	0.25	0.21	NA	540	660	NA	ND	ND	ND	ND
8/3/2009	NA	NA	0.60	NA	NA	NA	NA	0.70	ND	0.20	0.20	NA	500	620	ND	ND	ND	ND	ND

MWM-12																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
6/28/2005	7.62	2	5,000	2,900	NA	29	37	ND	800	ND	ND	0.24	ND	ND	3.5	240	ND	240
7/19/2005	7.81	80	4,000	2,800	NA	30	39	3.0	1,000	ND	0.034	0.20	ND	0.092	3.6	1,100	ND	230
11/2/2005	7.67	23	5,195	3,000	210	29	39	3.7	1,100	ND	0.030	0.14	0.0019	0.0025	4.0	1,200	0.42	250
11/2/2005	7.67	8	5,195	2,700	210	28	37	3.7	1,000	ND	0.031	0.15	0.0018	0.0025	3.9	1,200	0.42	250
2/7/2006	7.69	2	5,025	2,800	210	26	35	13	1,100	ND	0.022	0.13	0.0019	ND	4.0	1,100	0.47	250
2/7/2006	7.69	4	5,025	2,900	210	26	35	18	1,100	ND	0.022	0.14	0.0018	ND	4.0	1,100	0.46	250
5/2/2006	7.55	ND	5,689	2,700	210	26	35	9.2	1,100	ND	0.016	0.14	0.0019	0.0036	3.6	1,100	0.39	260
7/31/2006	7.29	30	4,889	2,900	200	25	34	7.1	1,100	ND	0.029	0.16	ND	0.0026	3.7	1,100	0.41	240
10/24/2006	7.23	ND	4,918	3,000	170	22	29	7.2	1,200	ND	0.024	0.15	0.0027	0.0055	4.0	1,200	0.50	260
2/2/2007	7.56	ND	4,803	2,500	170	20	30	7.4	1,100	ND	0.017	0.13	ND	ND	3.4	1,100	0.39	230
5/3/2007	7.66	ND	4,977	2,900	200	24	33	3.6	1,000	ND	0.018	0.14	ND	ND	3.8	1,200	0.45	260
8/6/2007	7.79	ND	4,730	3,200	180	23	31	3.7	1,000	ND	0.019	0.15	0.00082	ND	3.7	1,200	0.47	240
11/8/2007	7.70	ND	5,037	4,100	170	22	29	6.3	1,000	ND	0.013	0.16	0.00081	ND	3.6	1,100	0.51	230
2/7/2008	7.75	ND	4,782	3,400	210	26	36	2.3	980	ND	0.0022	0.14	0.0010	0.0024	3.3	1,100	0.45	230
4/28/2008	7.67	ND	4,814	2,800	210	26	35	1.9	1,000	ND	0.00051	0.16	0.0012	0.0026	3.6	1,200	0.45	240
8/25/2008	7.63	ND	4,805	2,700	220	27	37	2.2	960	ND	ND	NA	NA	NA	3.6	1,100	NA	230
11/24/2008	7.62	ND	4,887	3,000	200	25	34	2.1	1,000	ND	ND	NA	NA	NA	3.7	1,200	NA	230
2/18/2009	7.67	ND	4,922	2,600	210	25	35	1.5	960	ND	ND	NA	NA	NA	3.6	1,100	NA	240
4/15/2009	7.71	ND	4,955	2,900	220	26	37	2.4	1,100	ND	ND	NA	NA	NA	3.4	1,100	NA	240
7/29/2009	7.74	<2	4,826	3,130	250	32	41	2.0	1,050	0.07	ND	NA	NA	NA	2.58	1,150	NA	270
7/29/2009	7.74	2	4,826	2,770	250	32	41	2.0	1,020	0.09	ND	NA	NA	NA	2.59	1,160	NA	280

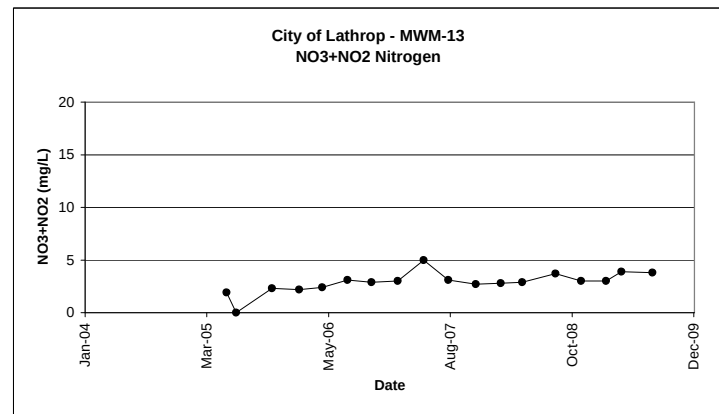
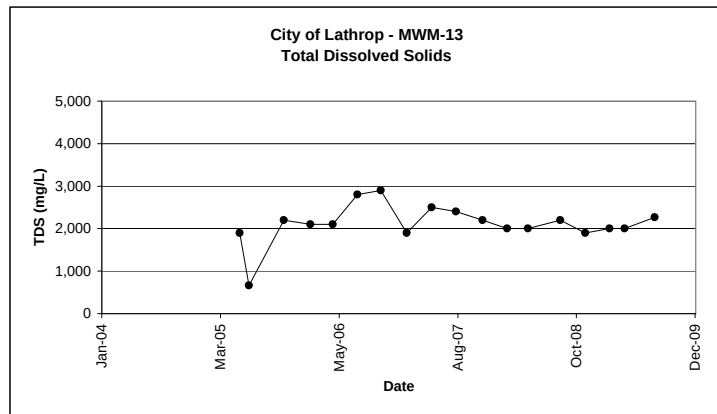
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NA is "not analyzed".



MWM-12 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
6/28/2005	ND	ND	0.83	ND	ND	ND	ND	0.42	ND	NA	5.1	NA	610	744	ND	ND	ND	ND	ND
7/19/2005	ND	ND	1.0	0.01	ND	ND	ND	1.1	ND	5.3	5.3	NA	590	720	ND	ND	ND	ND	ND
11/2/2005	0.0062	0.037	1.0	0.00070	ND	ND	0.50	0.35	ND	7.7	7.7	NA	660	810	ND	ND	ND	ND	ND
11/2/2005	0.0062	0.035	0.94	0.00060	ND	ND	0.50	0.25	ND	7.5	7.5	NA	560	680	ND	ND	ND	ND	ND
2/7/2006	0.0063	0.025	1.0	0.00080	ND	ND	0.50	0.17	ND	5.8	5.8	NA	620	760	ND	ND	ND	ND	ND
2/7/2006	0.0061	0.024	1.1	0.00080	ND	ND	0.51	0.18	ND	5.7	5.7	NA	620	750	ND	ND	ND	ND	ND
5/2/2006	0.0058	0.022	0.98	0.00068	ND	ND	0.49	0.45	ND	5.5	5.5	NA	595	725	ND	ND	ND	ND	ND
7/31/2006	0.0072	0.018	0.90	0.00050	ND	ND	0.52	0.22	ND	5.5	5.5	NA	650	790	ND	ND	ND	ND	ND
10/24/2006	0.0096	0.026	0.94	0.00085	ND	0.00033	0.54	0.36	ND	6.1	6.1	NA	590	720	ND	ND	ND	ND	ND
2/2/2007	0.0053	0.022	0.93	0.00050	ND	ND	0.89	ND	ND	5.2	5.2	NA	600	730	NA	ND	ND	ND	ND
5/3/2007	ND	0.018	0.98	0.00050	ND	ND	0.60	0.55	ND	4.4	4.4	NA	670	820	NA	ND	ND	ND	ND
8/6/2007	ND	0.026	0.88	0.00050	ND	ND	0.59	0.47	ND	3.7	3.7	NA	640	780	NA	ND	ND	ND	ND
11/8/2007	0.0051	0.025	0.94	0.00050	ND	ND	0.62	0.30	ND	4.6	4.6	NA	640	780	NA	ND	ND	ND	ND
2/7/2008	ND	0.017	0.81	0.0010	ND	ND	0.50	0.28	ND	3.6	3.6	NA	670	810	NA	ND	ND	ND	ND
4/28/2008	ND	0.016	0.83	0.0013	ND	ND	0.44	0.23	ND	3.8	3.8	NA	660	800	NA	ND	ND	ND	ND
8/25/2008	NA	NA	0.87	NA	NA	NA	NA	0.18	ND	3.9	3.9	NA	640	780	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.91	NA	NA	NA	NA	ND	ND	3.4	3.4	NA	650	680	NA	ND	ND	ND	ND
2/18/2009	NA	NA	0.84	NA	NA	NA	NA	0.20	ND	3.5	3.5	NA	670	750	NA	ND	ND	ND	ND
4/15/2009	NA	NA	0.87	NA	NA	NA	NA	0.34	ND	3.8	3.8	NA	650	780	NA	ND	ND	ND	ND
7/29/2009	NA	NA	0.90	NA	NA	NA	NA	ND	ND	2.3	2.3	NA	650	790	ND	ND	ND	0.621	ND
7/29/2009	NA	NA	0.90	NA	NA	NA	NA	ND	ND	2.3	2.3	NA	620	760	ND	ND	ND	0.294	ND

MWM-13																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.58	30	2,700	1,900	NA	94	56	7.3	606	ND	0.47	0.36	ND	0.046	2.0	580	ND	230
6/27/2005	7.32	130	1,000	660	NA	110	41	ND	140	0.16	1.60	0.44	ND	ND	ND	97	ND	43
11/3/2005	7.31	17	4,129	2,200	360	67	52	3.2	780	ND	0.22	0.12	0.0043	0.0032	2.8	770	0.40	370
2/9/2006	7.42	ND	3,660	2,100	340	60	47	4.1	710	ND	0.14	0.12	0.0042	0.0020	2.3	610	0.47	310
5/3/2006	7.10	50	3,810	2,100	430	78	58	10	730	ND	0.084	0.15	0.0047	0.0034	2.4	660	0.45	350
8/2/2006	7.15	8	4,388	2,800	520	90	72	2.9	910	ND	0.080	0.16	0.0018	0.0036	3.1	880	0.38	480
10/27/2006	7.24	ND	4,095	2,900	370	65	52	5.1	890	ND	0.040	0.13	0.0027	0.0022	3.0	770	0.50	420
1/30/2007	7.63	ND	3,883	1,900	330	57	46	3.0	780	ND	0.089	0.10	0.0011	ND	2.5	720	0.36	370
5/3/2007	7.36	ND	4,214	2,500	390	70	53	3.8	820	ND	0.16	0.12	0.0012	ND	2.8	770	0.36	460
7/31/2007	7.24	8	3,369	2,400	300	54	41	1.9	630	ND	0.31	0.086	0.0015	ND	2.1	600	0.48	360
11/7/2007	7.50	4	3,956	2,200	340	58	46	4.5	760	ND	0.20	0.11	0.0013	ND	2.6	650	0.47	340
2/5/2008	7.50	ND	3,260	2,000	260	44	36	1.6	650	ND	0.12	0.078	0.0014	0.0024	1.9	510	0.51	310
4/22/2008	7.45	8	3,574	2,000	310	50	45	3.0	640	ND	0.025	0.085	0.0017	0.0024	2.2	600	0.50	360
8/19/2008	7.38	ND	3,704	2,200	370	62	53	2.9	750	ND	0.064	NA	NA	NA	2.5	680	NA	410
11/19/2008	7.4	ND	3,595	1,900	300	51	42	2.1	670	ND	0.084	NA	NA	NA	2.3	610	NA	320
2/17/2009	7.40	2	3,439	2,000	280	47	39	2.1	680	ND	0.028	NA	NA	NA	2.4	600	NA	330
4/14/2009	7.38	ND	3,511	2,000	310	50	45	1.7	680	ND	0.026	NA	NA	NA	2.4	570	NA	320
8/3/2009	8.26	ND	3,661	2,270	330	57	46	2.0	861	ND	0.090	NA	NA	NA	2.01	620	NA	400

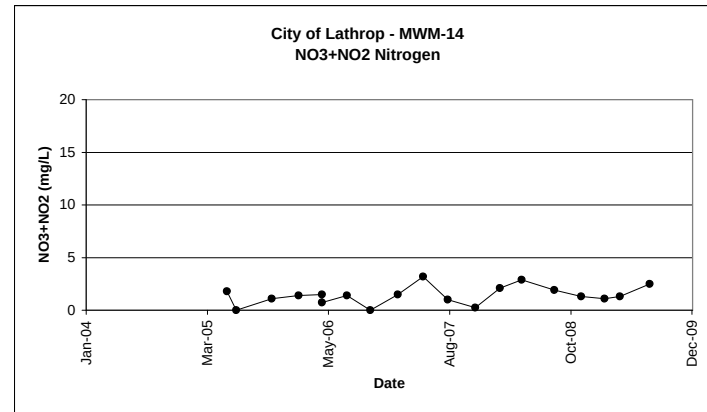
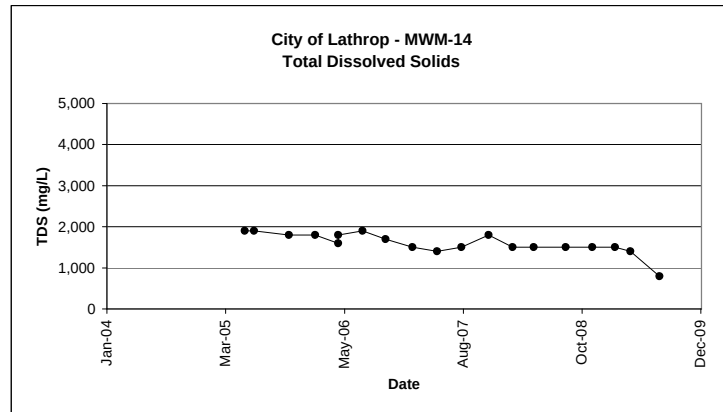
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MWM-13 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.53	ND	ND	ND	ND	ND	ND	1.9	1.4	NA	660	805	ND	0.71	ND	ND	0.57
6/27/2005	ND	ND	ND	ND	ND	ND	ND	0.35	0.14	NA	ND	NA	340	415	ND	ND	ND	ND	ND
11/3/2005	0.0069	0.022	0.70	0.0004	ND	ND	0.45	0.23	ND	2.3	2.3	NA	660	800	ND	ND	ND	ND	ND
2/9/2006	0.0070	0.021	0.65	0.0005	ND	ND	0.57	0.44	ND	2.2	2.2	NA	640	780	ND	ND	ND	ND	ND
5/3/2006	0.0057	0.015	0.61	0.0007	ND	ND	0.39	0.34	ND	2.4	2.4	NA	635	775	ND	ND	ND	ND	ND
8/2/2006	0.0075	0.018	0.71	0.0009	ND	ND	0.41	0.38	ND	3.1	3.1	NA	670	810	ND	ND	ND	ND	ND
10/27/2006	ND	0.014	0.70	0.00077	ND	ND	0.014	0.55	ND	2.9	2.9	NA	640	780	ND	ND	ND	ND	ND
1/30/2007	ND	0.015	0.68	0.00040	ND	ND	0.48	0.44	ND	3.0	3.0	NA	630	760	NA	ND	ND	ND	ND
5/3/2007	ND	0.014	0.70	0.00040	ND	ND	0.47	0.71	ND	5.0	5.0	NA	730	890	NA	ND	ND	ND	ND
7/31/2007	ND	0.016	0.58	0.00030	ND	ND	0.38	0.24	ND	3.1	3.1	NA	640	780	NA	ND	ND	ND	ND
11/7/2007	0.0052	0.015	0.69	0.00030	ND	ND	0.43	0.21	ND	2.7	2.7	NA	590	720	NA	ND	ND	ND	ND
2/5/2008	ND	0.016	0.61	0.00023	ND	ND	0.47	0.33	ND	2.8	2.7	NA	660	810	NA	ND	ND	ND	ND
4/22/2008	ND	0.015	0.62	0.00078	ND	ND	0.52	0.40	ND	2.9	2.9	NA	730	890	NA	ND	ND	ND	ND
8/19/2008	NA	NA	0.71	NA	NA	NA	NA	0.34	ND	3.7	3.7	NA	540	660	NA	ND	ND	ND	ND
11/19/2008	NA	NA	0.65	NA	NA	NA	NA	0.24	ND	3.0	3.0	NA	670	820	NA	ND	ND	ND	ND
2/17/2009	NA	NA	0.59	NA	NA	NA	NA	0.26	ND	3.0	3.0	NA	680	830	NA	ND	ND	ND	ND
4/14/2009	NA	NA	0.63	NA	NA	NA	NA	0.20	ND	3.9	3.9	NA	700	850	NA	ND	ND	ND	ND
8/3/2009	NA	NA	0.60	NA	NA	NA	NA	ND	ND	3.8	3.8	NA	660	810	ND	ND	ND	ND	ND

MWM-14																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.15	ND	3,100	1,900	NA	295	100	3.7	255	ND	3.8	0.234	ND	0.0271	1.7	740	ND	280
6/27/2005	7.04	ND	3,000	1,900	NA	270	86	ND	200	ND	3.2	0.31	ND	ND	1.4	660	ND	260
11/2/2005	7.02	13	2,934	1,800	950	260	92	3.3	210	ND	3.7	0.13	0.008	ND	1.6	590	0.14	270
2/7/2006	7.02	14	2,920	1,800	1,000	260	93	6.5	200	ND	3.5	0.12	0.0099	ND	1.6	600	0.17	280
5/3/2006	6.87	13	2,843	1,600	1,100	280	96	5.8	210	ND	3.8	0.13	0.014	0.0027	1.5	530	0.14	280
5/3/2006	6.87	17	2,843	1,800	1,300	290	99	6.2	220	ND	4.0	0.13	0.014	0.0024	1.5	530	0.13	280
8/1/2006	6.89	23	2,607	1,900	940	240	84	3.4	210	ND	2.9	0.11	0.0021	ND	1.3	470	ND	260
10/24/2006	6.74	ND	2,451	1,700	850	210	79	3.3	200	ND	1.8	0.11	0.0058	0.0064	1.2	420	0.18	300
2/1/2007	7.38	ND	2,405	1,500	800	200	76	3.4	200	ND	2.3	0.096	0.0020	ND	1.2	410	0.12	280
5/3/2007	7.11	ND	2,468	1,400	790	200	70	3.4	200	ND	2.4	0.099	0.0021	ND	1.2	400	0.14	280
7/31/2007	7.14	ND	2,276	1,500	720	180	65	2.5	180	ND	2.5	0.098	0.0023	ND	1.0	370	0.14	270
11/8/2007	7.10	ND	2,702	1,800	860	220	79	3.4	210	ND	2.6	0.11	0.0024	ND	1.2	450	0.13	310
2/5/2008	7.20	2	2,434	1,500	860	210	81	2.9	220	ND	2.3	0.11	0.0051	0.0028	1.2	470	0.14	340
4/23/2008	7.22	ND	2,271	1,500	740	180	70	2.8	200	ND	2.5	0.11	0.0034	0.002	1.1	420	0.14	280
8/19/2008	7.17	ND	2,285	1,500	730	180	69	3.8	190	ND	2.2	NA	NA	NA	0.99	410	NA	280
11/25/2008	7.16	ND	2,225	1,500	730	180	69	3.5	200	ND	2.4	NA	NA	NA	1.0	410	NA	250
2/17/2009	7.16	ND	2,260	1,500	720	180	65	2.8	230	ND	1.9	NA	NA	NA	1.1	420	NA	270
4/14/2009	7.17	ND	2,250	1,400	760	180	76	2.5	200	ND	2.1	NA	NA	NA	1.2	390	NA	250
7/30/2009	7.23	130	1,360	795	360	90	33	2.0	141	ND	0.90	NA	NA	NA	0.39	181	NA	126

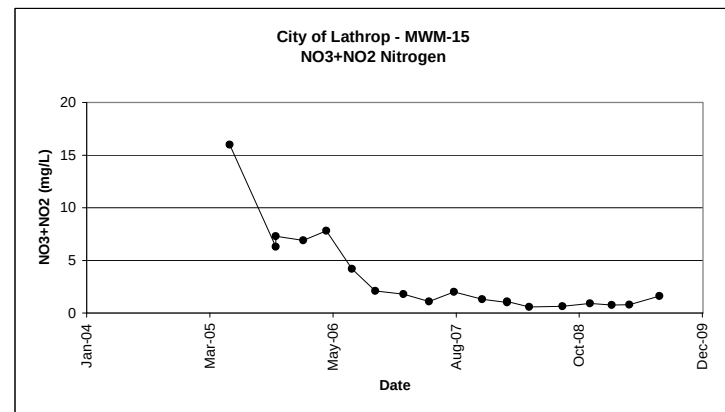
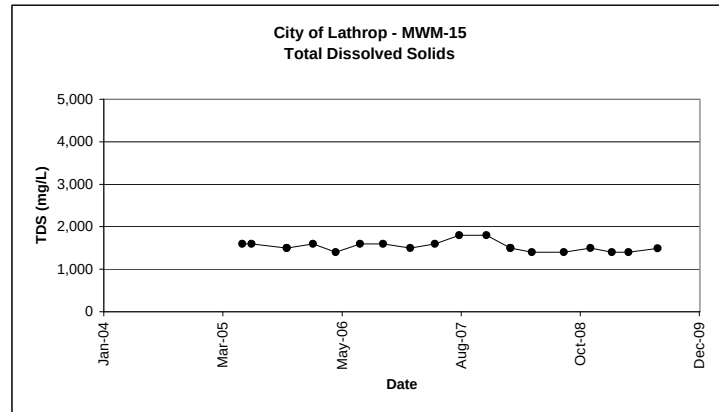
ND is "not detected".
NA is "not analyzed".



MWM-14 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.35	ND	ND	ND	ND	ND	ND	1.8	1.8	NA	410	500	ND	ND	ND	ND	ND
6/27/2005	ND	ND	ND	ND	ND	ND	ND	0.34	ND	NA	1.6	NA	390	476	ND	ND	ND	ND	ND
11/2/2005	0.012	0.0056	0.36	ND	ND	ND	0.13	0.47	ND	1.1	1.1	NA	400	490	ND	ND	ND	ND	ND
2/7/2006	0.0051	0.0040	0.34	0.0003	ND	ND	0.13	0.32	ND	1.4	1.4	NA	380	470	ND	ND	ND	ND	ND
5/3/2006	0.0062	0.0038	0.36	ND	ND	ND	0.14	0.28	ND	1.5	1.5	NA	455	555	ND	ND	ND	ND	ND
5/3/2006	0.0061	0.0038	0.35	ND	ND	ND	0.14	0.39	ND	0.72	0.72	NA	390	475	ND	ND	ND	ND	ND
8/1/2006	0.0065	0.0032	0.42	ND	ND	ND	0.14	8.8	ND	1.4	1.4	NA	440	540	ND	ND	ND	ND	ND
10/24/2006	0.0077	0.0031	0.41	ND	ND	ND	0.14	0.27	ND	ND	ND	NA	390	480	ND	ND	ND	ND	ND
2/1/2007	ND	0.0032	0.41	ND	ND	ND	0.91	0.37	ND	1.5	1.5	NA	400	490	NA	ND	ND	ND	ND
5/3/2007	ND	0.0034	0.46	ND	ND	ND	0.14	ND	ND	3.2	3.2	NA	460	560	NA	ND	ND	ND	ND
7/31/2007	ND	0.0036	0.41	0.0003	ND	ND	0.14	ND	ND	1.0	1.0	NA	410	490	NA	ND	ND	ND	ND
11/8/2007	ND	0.0038	0.43	ND	ND	ND	0.17	ND	ND	0.25	0.25	NA	420	510	NA	ND	ND	ND	ND
2/5/2008	ND	0.0029	0.43	0.00022	ND	ND	0.16	0.14	ND	2.1	2.1	NA	420	520	NA	ND	ND	ND	ND
4/23/2008	ND	0.0028	0.43	0.00023	ND	ND	0.15	0.31	ND	2.9	2.9	NA	470	570	NA	ND	ND	ND	ND
8/19/2008	NA	NA	0.48	NA	NA	NA	NA	ND	ND	1.9	1.9	NA	870	1,000	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.46	NA	NA	NA	NA	ND	ND	1.3	1.3	NA	410	500	NA	ND	ND	ND	ND
2/17/2009	NA	NA	0.40	NA	NA	NA	NA	0.17	ND	1.1	1.1	NA	410	510	NA	ND	ND	ND	ND
4/14/2009	NA	NA	0.45	NA	NA	NA	NA	0.18	ND	1.3	1.3	NA	410	510	NA	ND	ND	ND	ND
7/30/2009	NA	NA	0.40	NA	NA	NA	NA	0.238	ND	2.5	2.5	NA	290	350	ND	ND	ND	0.809	ND

MWM-15																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.56	> 1,600	2,500	1,600	NA	68	42	4.4	477	ND	0.065	0.195	ND	0.0231	1.2	390	ND	270
6/27/2005	7.48	300	2,500	1,600	NA	78	43	ND	390	0.62	ND	0.340	ND	ND	1.1	380	ND	260
11/4/2005	7.37	2	2,626	1,500	290	63	39	2.4	460	ND	0.034	0.082	0.0053	0.0061	1.2	360	0.18	230
11/4/2005	7.37	2	2,626	1,500	310	64	39	2.4	450	ND	0.030	0.008	0.0028	ND	1.3	360	0.21	230
2/9/2006	7.42	30	2,667	1,600	320	64	38	4.0	460	ND	0.014	0.086	0.0043	ND	1.3	370	0.18	240
5/3/2006	7.05	240	2,821	1,400	370	77	44	6.7	480	ND	0.011	0.10	0.0042	ND	1.4	390	0.17	240
8/1/2006	6.91	2	2,804	1,600	330	68	39	4.1	510	ND	0.020	0.091	0.00085	ND	1.4	420	0.12	230
10/24/2006	6.74	ND	2,601	1,600	280	56	33	3.5	490	ND	0.016	0.085	0.0026	0.011	1.4	400	0.18	210
2/1/2007	7.44	ND	2,652	1,500	280	56	34	2.5	480	ND	0.0083	0.075	0.00083	ND	1.2	430	0.15	220
5/3/2007	7.22	ND	2,546	1,600	240	48	29	3.2	490	ND	0.0098	0.082	ND	ND	1.4	440	0.15	220
7/31/2007	7.31	280	2,577	1,800	300	61	35	1.8	440	ND	0.017	0.085	0.00099	0.0057	1.3	420	0.13	220
11/8/2007	6.90	11	2,632	1,800	350	71	41	3.3	430	ND	0.024	0.086	0.0014	0.0048	1.4	370	0.18	210
2/5/2008	7.20	ND	2,558	1,500	360	75	43	1.9	430	ND	0.013	0.081	0.0023	0.023	1.3	390	0.16	220
2/5/2008	7.20	ND	2,558	1,500	330	67	39	1.8	440	ND	0.014	0.080	0.0019	0.017	1.3	370	0.17	220
4/23/2008	7.21	110	2,373	1,400	390	79	46	2.3	380	ND	0.012	0.095	0.0021	0.022	1.3	400	0.17	220
8/19/2008	7.16	22	2,424	1,400	350	70	42	2.8	410	ND	0.019	NA	NA	NA	1.3	400	NA	210
11/25/2008	6.95	6	2,353	1,500	330	68	40	2.8	410	ND	0.048	NA	NA	NA	1.3	350	NA	190
2/11/2009	7.20	ND	2,386	1,400	350	72	41	2.6	390	ND	0.044	NA	NA	NA	1.3	360	NA	190
4/14/2009	7.09	300	2,335	1,400	380	76	47	2.0	400	ND	0.044	NA	NA	NA	1.2	370	NA	190
7/30/2009	7.12	23	2,407	1,490	390	80	46	3.0	426	ND	0.040	NA	NA	NA	1.15	380	NA	203

ND is "not detected".
NA is "not analyzed".



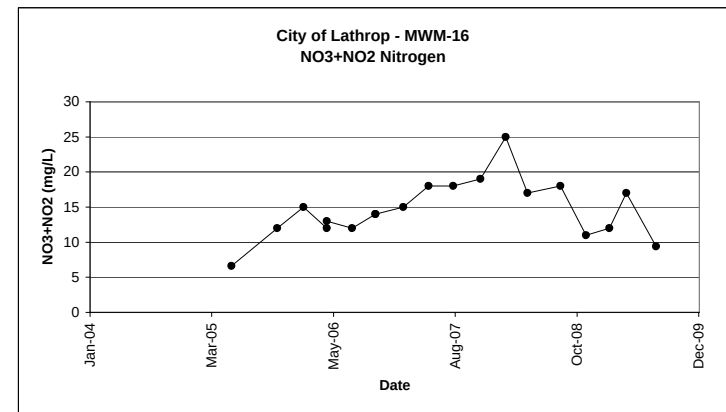
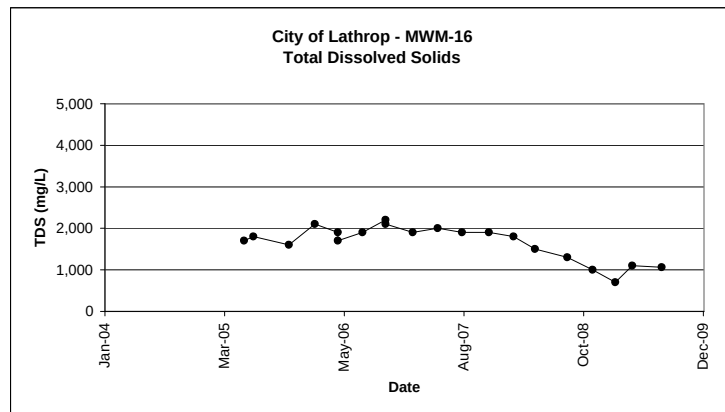
MWM-15 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.47	ND	ND	ND	ND	0.6	ND	16.0	16.0	NA	510	622	ND	ND	ND	ND	ND
6/27/2005	ND	ND	0.45	ND	ND	ND	ND	ND	0.13	NA	14.0	NA	500	610	ND	ND	ND	ND	ND
11/4/2005	0.0060	0.0099	0.51	0.0017	ND	ND	0.16	ND	ND	6.3	6.3	NA	520	630	ND	ND	ND	ND	ND
11/4/2005	0.0050	0.0094	0.53	0.0008	ND	ND	0.16	ND	ND	7.3	7.3	NA	820	1,000	ND	ND	ND	ND	ND
2/9/2006	0.0060	0.0096	0.52	0.0010	ND	ND	0.17	ND	ND	6.9	6.9	NA	510	620	ND	ND	ND	ND	ND
5/3/2006	0.0072	0.0084	0.47	0.00058	ND	ND	0.16	0.43	ND	7.8	7.8	NA	505	620	ND	ND	ND	ND	ND
8/1/2006	0.0070	0.0071	0.52	ND	ND	ND	0.16	ND	ND	4.2	4.2	NA	510	620	ND	ND	ND	ND	ND
10/24/2006	0.0070	0.0069	0.48	0.00038	ND	ND	0.17	0.45	ND	2.1	2.1	NA	470	580	ND	ND	ND	ND	ND
2/1/2007	ND	0.0063	0.45	0.00040	ND	ND	0.67	0.45	ND	1.8	1.8	NA	540	650	NA	ND	ND	ND	ND
5/3/2007	ND	0.0063	0.45	ND	ND	ND	0.12	ND	ND	1.1	1.1	NA	560	680	NA	ND	ND	ND	ND
7/31/2007	ND	0.0058	0.45	0.00040	ND	ND	0.12	ND	ND	2.0	2.0	NA	520	630	NA	ND	ND	ND	ND
11/8/2007	ND	0.0054	0.52	0.00030	ND	ND	0.15	ND	ND	1.3	1.3	NA	540	660	NA	ND	ND	ND	ND
2/5/2008	ND	0.0046	0.47	0.00052	ND	ND	0.14	0.23	ND	1.0	1.0	NA	550	670	NA	ND	ND	ND	ND
2/5/2008	ND	0.0048	0.45	0.00039	ND	ND	0.13	0.17	ND	1.1	1.1	NA	550	670	NA	ND	ND	ND	ND
4/23/2008	ND	0.0038	0.45	0.00041	ND	ND	0.12	0.34	ND	0.58	0.58	NA	630	770	NA	ND	ND	ND	ND
8/19/2008	NA	NA	0.47	NA	NA	NA	NA	ND	ND	0.64	0.64	NA	580	710	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.48	NA	NA	NA	NA	ND	ND	0.90	0.90	NA	580	710	NA	ND	ND	ND	ND
2/11/2009	NA	NA	0.48	NA	NA	NA	NA	0.11	ND	0.77	0.77	NA	570	690	NA	ND	ND	ND	ND
4/14/2009	NA	NA	0.45	NA	NA	NA	NA	0.33	ND	0.80	0.80	NA	560	690	NA	ND	ND	ND	ND
7/30/2009	NA	NA	0.50	NA	NA	NA	NA	0.212	ND	1.6	1.6	NA	560	690	ND	ND	ND	ND	ND

MWM-16																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.23	50	2,600	1,700	NA	190	85	5.2	317	ND	0.50	0.545	ND	0.159	1.3	490	ND	310
6/27/2005	7.12	ND	2,900	1,800	NA	220	89	ND	260	4.1	0.81	0.340	ND	ND	1.3	490	ND	340
11/4/2005	6.95	2	2,815	1,600	870	200	98	4.4	300	ND	1.20	0.079	0.0087	0.002	1.4	450	0.27	370
2/7/2006	6.96	ND	3,021	2,100	990	220	100	9.3	330	ND	1.60	0.086	0.0091	ND	1.6	530	0.24	430
5/2/2006	6.65	2	2,986	1,900	940	210	100	4.5	330	ND	1.3	0.084	0.010	ND	1.5	470	0.21	390
5/2/2006	6.65	21	2,986	1,700	940	210	100	4.9	330	ND	1.2	0.087	0.010	0.0023	1.5	480	0.19	400
8/1/2006	6.64	4	3,186	1,900	1,100	240	120	5.6	360	ND	1.8	0.095	0.0028	ND	1.6	540	0.14	450
10/24/2006	6.45	ND	3,206	2,200	1,100	230	120	5.0	360	ND	1.1	0.11	0.0081	0.0032	1.7	550	0.26	490
10/24/2006	6.45	ND	3,206	2,100	1,000	220	110	4.6	360	ND	0.92	0.10	0.0073	0.0030	1.7	540	0.27	490
2/1/2007	7.27	2	3,136	1,900	1,000	220	120	4.7	360	ND	1.6	0.088	0.0027	ND	1.6	540	0.18	490
5/3/2007	6.97	ND	2,949	2,000	880	190	99	4.1	320	ND	0.89	0.073	0.0023	ND	1.4	470	0.27	430
7/31/2007	6.93	30	2,570	1,900	740	160	83	2.8	300	ND	0.90	0.073	0.0023	ND	1.2	390	0.28	390
11/6/2007	7.00	ND	2,593	1,900	800	170	90	3.5	300	ND	1.3	0.079	0.0026	ND	1.4	400	0.23	390
2/4/2008	6.9	11	2,392	1,800	820	180	92	2.8	310	ND	1.0	0.088	0.0042	0.0027	1.3	400	0.25	420
4/23/2008	6.97	ND	2,334	1,500	700	150	81	3.1	300	ND	0.86	0.081	0.0032	ND	1.1	370	0.27	350
8/19/2008	7.02	50	1,873	1,300	570	120	65	2.8	250	ND	0.50	NA	NA	NA	0.83	230	NA	240
11/20/2008	7.09	ND	1,561	1,000	420	89	49	2.2	220	ND	0.50	NA	NA	NA	0.60	150	NA	160
2/11/2009	7.00	ND	1,814	700	360	75	42	2.1	200	ND	0.22	NA	NA	NA	0.62	130	NA	160
4/14/2009	7.02	4	1,732	1,100	600	120	72	2.4	260	ND	0.93	NA	NA	NA	0.67	160	NA	190
7/30/2009	7.11	2	1,515	1,060	440	93	51	2.0	252	ND	0.66	NA	NA	NA	0.39	131	NA	146

ND is "not detected".

NA is "not analyzed".

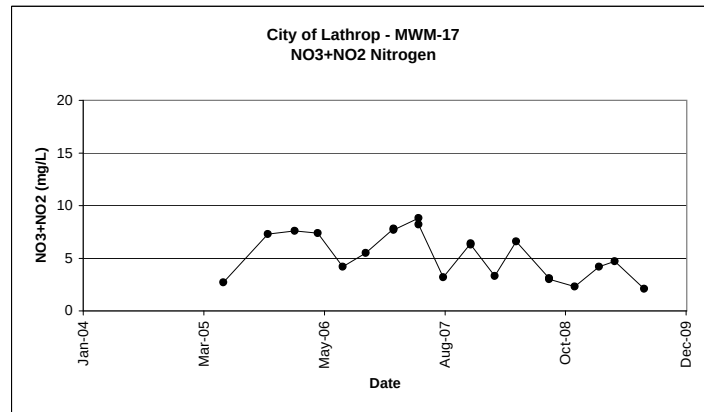
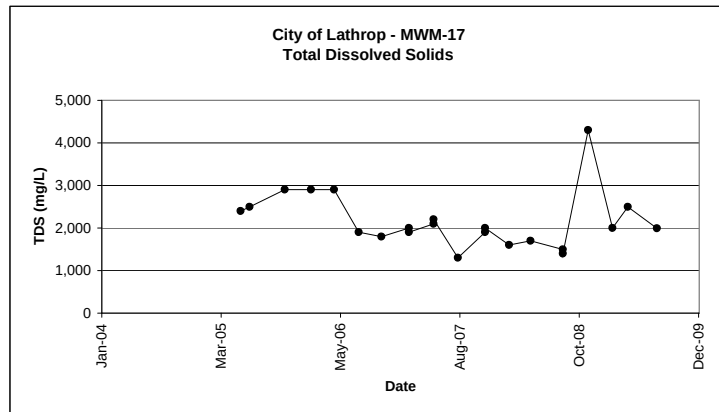
Lab results from duplicate 10/24/06 sample were switched with another sample. The correct results are listed here.



MWM-16 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.81	ND	ND	ND	ND	0.8	ND	6.6	6.6	NA	460	561	ND	ND	ND	ND	ND
6/27/2005	3.8	ND	0.82	ND	ND	ND	ND	ND	ND	NA	8.9	NA	480	586	ND	ND	ND	ND	ND
11/4/2005	0.0051	0.0029	1.0	0.0005	ND	ND	0.09	ND	ND	12.0	12.0	NA	520	630	ND	ND	ND	ND	ND
2/7/2006	0.0050	0.0025	1.1	0.0006	ND	ND	0.10	0.25	ND	15.0	15.0	NA	480	580	ND	ND	ND	ND	ND
5/2/2006	ND	0.0025	0.93	ND	ND	ND	0.085	0.44	ND	12.0	12.0	NA	360	440	ND	ND	ND	ND	ND
5/2/2006	0.0055	0.0026	0.93	ND	ND	ND	0.090	ND	ND	13.0	13.0	NA	495	605	ND	ND	ND	ND	ND
8/1/2006	0.0068	0.0020	1.2	ND	ND	ND	0.080	ND	ND	12.0	12.0	NA	520	640	ND	ND	ND	ND	ND
10/24/2006	0.0070	0.0023	1.2	ND	ND	ND	0.069	ND	ND	14.0	14.0	NA	510	620	ND	ND	ND	ND	ND
10/24/2006	0.0064	0.0020	1.2	ND	ND	ND	0.074	0.14	ND	14.0	14.0	NA	490	600	ND	ND	ND	ND	ND
2/1/2007	ND	0.0021	1.1	ND	ND	ND	0.27	ND	ND	15.0	15.0	NA	520	640	NA	ND	ND	ND	ND
5/3/2007	ND	0.0023	1.2	ND	ND	ND	0.049	ND	ND	18.0	18.0	NA	540	650	NA	ND	ND	ND	ND
7/31/2007	ND	0.0026	1.1	ND	ND	ND	0.087	ND	ND	18.0	18.0	NA	500	610	NA	ND	ND	ND	ND
11/6/2007	ND	0.0024	1.2	0.0002	ND	ND	0.10	ND	ND	19.0	19.0	NA	450	550	NA	ND	ND	ND	ND
2/4/2008	ND	0.0020	1.2	ND	ND	ND	0.099	ND	ND	25.0	25.0	NA	460	560	NA	ND	ND	ND	ND
4/23/2008	0.0055	0.002	1.1	0.00026	ND	ND	0.095	ND	ND	17.0	17.0	NA	580	710	NA	ND	ND	ND	ND
8/19/2008	NA	NA	1.1	NA	NA	NA	NA	ND	ND	18.0	18.0	NA	540	660	NA	ND	ND	ND	ND
11/20/2008	NA	NA	0.95	NA	NA	NA	NA	ND	ND	11.0	11.0	NA	580	710	NA	ND	ND	ND	ND
2/11/2009	NA	NA	0.85	NA	NA	NA	NA	0.24	ND	12.0	12.0	NA	510	630	NA	ND	ND	ND	ND
4/14/2009	NA	NA	1.1	NA	NA	NA	NA	ND	ND	17.0	17.0	NA	600	740	NA	ND	ND	ND	ND
7/30/2009	NA	NA	0.9	NA	NA	NA	NA	ND	ND	9.4	9.4	NA	570	690	ND	ND	ND	ND	ND

MWM-17																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	8.22	170	3,600	2,400	NA	23	16	8.7	1,070	ND	0.050	0.20	ND	0.042	1.2	530	ND	380
6/27/2005	7.89	NA	4,200	2,500	NA	28	16	ND	940	4.3	0.45	0.28	ND	ND	ND	460	ND	480
11/2/2005	7.52	140	4,729	2,900	100	23	15	4.9	1,100	ND	0.018	0.025	0.0029	ND	1.0	420	0.53	510
2/7/2006	7.51	2	4,407	2,900	120	23	15	15	1,100	ND	0.003	0.026	0.0033	ND	1.0	400	0.56	480
5/2/2006	7.15	11	4,625	2,900	120	23	16	7.7	1,200	ND	0.0088	0.026	0.0053	ND	0.97	390	0.55	490
8/1/2006	7.23	3,000	2,850	1,900	75	15	9.1	4.1	750	ND	0.017	0.025	0.0014	ND	0.68	210	0.99	250
10/23/2006	7.52	23	2,867	1,800	55	11	6.6	5.6	760	ND	0.007	0.015	0.0024	ND	0.68	180	1.2	220
2/1/2007	8.38	ND	3,321	2,000	64	13	7.8	2.7	800	ND	0.0054	0.016	0.0021	ND	0.84	210	0.69	250
2/1/2007	8.38	ND	3,321	1,900	66	13	8.1	3.1	800	ND	0.0049	0.016	0.0020	ND	0.88	220	0.68	430
5/3/2007	7.66	ND	3,475	2,100	67	13	8.3	3.4	780	ND	0.0098	0.022	0.0012	ND	0.93	210	0.78	260
5/3/2007	7.66	11	3,475	2,200	68	13	8.4	3.3	780	ND	0.014	0.023	0.0012	ND	0.92	210	0.78	270
7/31/2007	7.71	> 1,600	1,630	1,300	53	12	5.6	2.0	410	ND	0.0036	0.015	0.0029	0.14	0.36	99	1.1	96
11/8/2007	7.70	ND	2,887	1,900	53	11	6.2	4.1	690	ND	0.012	0.020	0.0015	0.015	0.69	160	0.91	180
11/8/2007	7.70	ND	2,887	2,000	54	11	6.2	4.0	640	ND	0.014	0.020	0.0015	0.016	0.69	160	0.92	180
2/4/2008	7.50	2	2,506	1,600	55	11	6.7	1.2	620	ND	0.0066	0.018	0.0011	0.0086	0.55	130	0.92	130
4/22/2008	7.60	23	2,821	1,700	67	13	8.3	2.5	700	ND	0.0076	0.032	0.0015	0.0065	0.81	210	0.67	230
8/19/2008	7.58	220	2,301	1,500	NA	9.9	6.0	2.1	580	ND	0.0099	NA	NA	NA	0.56	150	NA	150
8/19/2008	7.58	350	2,301	1,400	48	9.7	5.7	1.5	570	ND	0.0077	NA	NA	NA	0.56	150	NA	140
11/20/2008	7.53	ND	3,343	4,300	76	15	9.4	1.9	830	ND	0.014	NA	NA	NA	1.0	250	NA	260
2/17/2009	7.40	21	3,246	2,000	100	19	12	1.9	740	ND	0.028	NA	NA	NA	0.93	240	NA	250
4/14/2009	7.29	500	3,847	2,500	140	27	18	2.0	940	ND	0.042	NA	NA	NA	1.1	300	NA	310
7/30/2009	7.98	> 1,600	3,010	1,990	90	18	12	2.0	801	ND	0.040	NA	NA	NA	0.60	240	NA	250

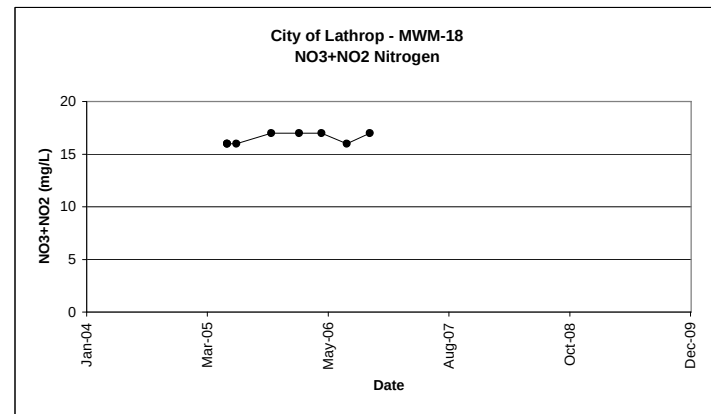
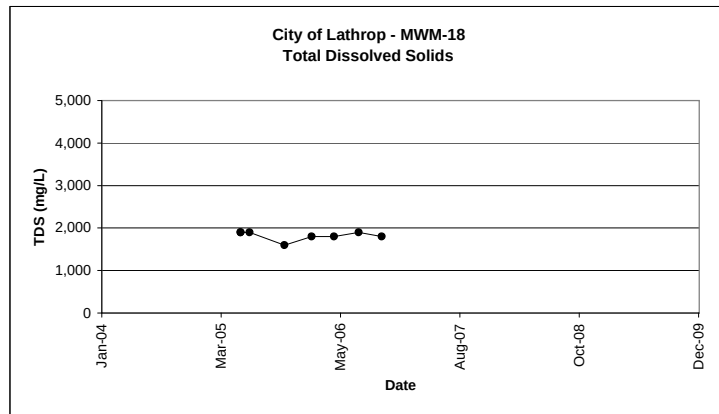
ND is "not detected".
NA is "not analyzed".



MWM-17 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	0.102	1.9	ND	ND	ND	ND	0.84	ND	2.7	2.5	NA	1,000	1,220	ND	ND	ND	ND	ND
6/27/2005	4.2	0.570	2.0	ND	ND	ND	ND	0.54	ND	NA	5.3	NA	1,300	1,586	ND	ND	ND	ND	ND
11/2/2005	0.007	0.330	2.4	0.006	ND	ND	2.1	0.30	ND	7.3	7.3	NA	1,400	1,700	ND	ND	ND	ND	ND
2/7/2006	0.008	0.200	2.4	0.0094	ND	ND	2.1	0.57	ND	7.6	7.6	NA	1,400	1,710	ND	ND	ND	ND	ND
5/2/2006	0.0075	0.150	2.4	0.0047	ND	ND	2.2	1.0	ND	7.4	7.4	NA	1,370	1,670	ND	ND	ND	ND	ND
8/1/2006	0.0095	0.190	1.7	0.0019	ND	ND	3.0	1.2	ND	4.2	4.2	NA	1,100	1,300	ND	ND	ND	ND	ND
10/23/2006	0.015	0.250	1.8	0.0033	ND	ND	3.3	0.84	ND	5.5	5.5	NA	1,100	1,400	ND	ND	ND	ND	ND
2/1/2007	0.0063	0.170	1.8	0.003	ND	ND	3.0	0.73	ND	7.8	7.8	NA	1,300	1,500	NA	ND	ND	ND	ND
2/1/2007	0.0059	0.170	1.9	0.003	ND	ND	3.0	0.45	ND	7.7	7.7	NA	1,300	1,500	NA	ND	ND	ND	ND
5/3/2007	0.0052	0.170	1.9	0.0027	ND	ND	1.0	ND	ND	8.8	8.8	NA	1,200	1,400	NA	ND	ND	ND	ND
5/3/2007	0.0080	0.170	1.8	0.0026	ND	ND	1.0	ND	ND	8.2	8.2	NA	1,200	1,400	NA	ND	ND	ND	ND
7/31/2007	0.0086	0.230	0.81	0.0021	ND	ND	2.8	1.6	ND	3.2	3.2	NA	650	790	NA	ND	ND	0.33	ND
11/8/2007	0.0065	0.19	1.5	0.0024	ND	ND	3.0	0.59	ND	6.4	6.4	NA	1,200	1,400	NA	ND	ND	ND	ND
11/8/2007	0.0070	0.20	1.5	0.0025	ND	ND	3.5	0.63	ND	6.3	6.3	NA	1,000	1,200	NA	ND	ND	ND	ND
2/4/2008	ND	0.19	1.1	0.0018	ND	ND	2.8	0.62	ND	3.3	3.2	NA	1,100	1,300	NA	ND	ND	ND	ND
4/22/2008	ND	0.20	1.6	0.0035	ND	ND	2.8	0.30	0.13	6.6	6.6	NA	1,300	1,600	NA	ND	ND	ND	ND
8/19/2008	NA	NA	1.2	NA	NA	NA	NA	0.50	ND	3.1	3.1	NA	400	490	NA	ND	ND	ND	ND
8/19/2008	NA	NA	1.1	NA	NA	NA	NA	0.94	ND	3.0	3.0	NA	91	110	NA	ND	ND	ND	ND
11/20/2008	NA	NA	1.7	NA	NA	NA	NA	0.73	ND	2.3	2.3	NA	1,400	1,600	NA	ND	ND	ND	ND
2/17/2009	NA	NA	1.3	NA	NA	NA	NA	0.60	ND	4.2	4.2	NA	1,300	1,600	NA	ND	ND	ND	ND
4/14/2009	NA	NA	1.8	NA	NA	NA	NA	ND	ND	4.7	4.7	NA	1,400	1,700	NA	ND	ND	ND	ND
7/30/2009	NA	NA	1.4	NA	NA	NA	NA	0.342	ND	2.1	2.1	NA	1,180	1,440	ND	ND	ND	ND	ND

MWM-18																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.79	13	2,700	1,900	NA	13	14	2.4	713	ND	0.09	0.098	ND	0.0113	ND	340	ND	290
5/24/2005	7.72	13	2,400	1,900	NA	14	16	2.3	687	ND	0.10	0.14	ND	0.0178	ND	340	ND	300
6/27/2005	7.73	ND	2,800	1,900	NA	26	24	ND	550	0.3	ND	ND	ND	ND	ND	340	ND	290
11/1/2005	7.48	2	2,932	1,600	160	26	25	1.9	620	ND	0.18	0.037	0.002	ND	1.0	290	0.28	310
2/9/2006	7.83	4	2,997	1,800	120	16	19	3.5	660	ND	0.15	0.041	0.0021	ND	1.0	290	0.28	300
5/2/2006	7.49	2	2,863	1,800	100	14	17	5.7	710	ND	0.13	0.044	0.0017	ND	1.0	290	0.24	300
8/1/2006	7.19	7	2,943	1,900	130	19	20	4.1	700	ND	0.11	0.046	0.00084	ND	1.0	290	0.26	290
10/24/2006	7.61	30	3,007	1,800	96	14	15	3.9	700	ND	0.094	0.047	0.0022	0.0023	1.1	330	0.40	330

Well destroyed Fall 2006.
ND is "not detected".
NA is "not analyzed".



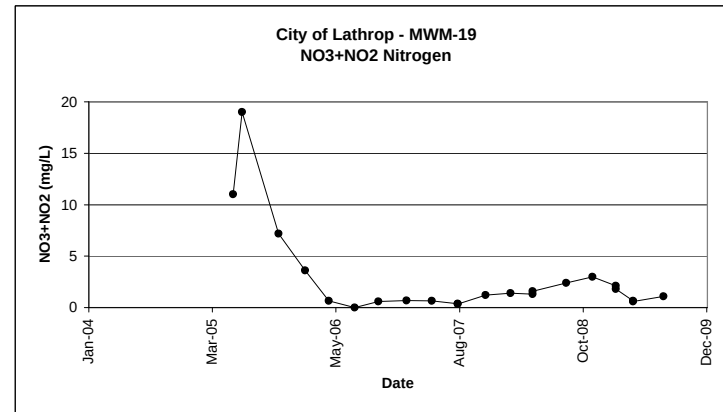
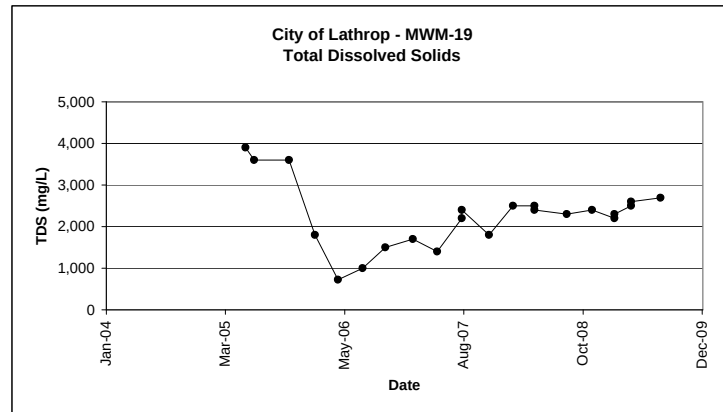
MWM-18 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	0.034	0.9	ND	ND	ND	ND	0.8	ND	16	16	NA	720	880	ND	ND	ND	ND	ND
5/24/2005	ND	0.034	1.0	ND	ND	ND	ND	0.6	ND	16	16	NA	750	915	ND	NA	NA	NA	NA
6/27/2005	ND	0.420	1.0	ND	ND	ND	ND	ND	0.1	16	16	NA	ND	866	ND	ND	ND	ND	ND
11/1/2005	0.0072	0.058	1.0	0.0003	ND	ND	0.60	ND	ND	17	17	NA	770	940	ND	ND	ND	ND	ND
2/9/2006	0.0075	0.050	1.1	0.0003	ND	ND	0.79	ND	ND	17	17	NA	760	930	ND	ND	ND	ND	ND
5/2/2006	0.0074	0.039	1.1	0.0002	ND	ND	0.78	ND	ND	17	17	NA	555	675	ND	ND	ND	ND	ND
8/1/2006	0.0084	0.038	1.2	ND	ND	ND	0.83	ND	ND	16	16	NA	780	950	ND	ND	ND	ND	ND
10/24/2006	0.0090	0.044	1.2	0.00027	ND	ND	0.86	ND	ND	17	16	NA	740	910	ND	ND	ND	ND	ND

MWM-19																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/26/2005	7.89	34	5,200	3,900	NA	59	66	ND	1,340	ND	0.12	0.325	ND	0.0187	4.7	1,300	ND	500
6/27/2005	8.13	13	5,700	3,600	NA	49	58	6.0	970	0.05	ND	0.22	ND	ND	4.5	1,100	ND	450
11/3/2005	7.93	50	6,380	3,600	280	34	51	5.0	1,300	ND	0.14	0.16	0.010	0.004	4.8	1,300	0.20	470
2/6/2006	8.11	2	2,905	1,800	86	10	15	9.7	640	ND	0.023	0.046	0.0043	ND	1.5	350	0.63	180
5/1/2006	8.03	ND	1,228	720	27	3.9	4.2	0.63	300	ND	0.0071	0.016	0.0025	ND	0.36	86	0.85	61
7/31/2006	8.00	ND	1,525	1,000	30	3.7	5.0	2.7	370	ND	0.015	0.025	0.0021	ND	0.56	150	0.76	100
10/23/2006	8.03	23	2,192	1,500	59	6.9	10	4.3	560	ND	0.020	0.050	0.0036	0.0025	1.1	280	0.41	150
1/31/2007	8.39	ND	2,835	1,700	91	11	16	2.6	630	ND	0.028	0.069	0.0027	ND	1.4	440	0.48	210
5/1/2007	8.20	ND	2,733	1,400	77	9	13	2.6	570	ND	0.019	0.064	0.0025	ND	1.6	400	0.45	200
7/31/2007	8.12	ND	3,272	2,200	100	12	17	1.9	680	ND	0.032	0.088	0.0032	ND	2.0	560	0.49	240
7/31/2007	8.12	4	3,272	2,400	110	13	19	2.0	750	ND	0.039	0.097	0.0027	ND	2.2	590	0.47	250
11/7/2007	8.00	8	3,426	1,800	100	12	18	4.8	720	ND	0.044	0.11	0.0036	ND	2.0	490	0.57	210
2/4/2008	8.00	50	3,752	2,500	150	18	26	2.5	880	ND	0.050	0.13	0.0031	0.0041	2.5	680	0.42	300
4/22/2008	8.05	ND	4,204	2,500	160	18	28	3.2	840	ND	0.040	0.14	0.0031	0.0041	2.9	820	0.39	330
4/22/2008	8.05	ND	4,204	2,400	160	18	28	3.8	840	ND	0.041	0.14	0.0031	0.0040	2.8	790	0.39	330
8/19/2008	7.99	8	4,006	2,300	160	18	27	2.6	840	ND	0.052	NA	NA	NA	2.9	730	NA	310
11/20/2008	8.0	2	4,200	2,400	160	18	27	2.9	880	ND	0.075	NA	NA	NA	2.9	710	NA	280
2/11/2009	7.90	ND	4,354	2,200	170	19	29	3.8	900	ND	0.056	NA	NA	NA	2.9	760	NA	300
2/11/2009	7.90	ND	4,354	2,300	170	19	29	4.9	900	ND	0.054	NA	NA	NA	2.7	700	NA	290
4/13/2009	8.04	4	4,041	2,500	170	19	29	2.2	1,100	0.012	0.042	NA	NA	NA	2.9	800	NA	330
4/13/2009	8.04	ND	4,041	2,600	170	19	30	2.5	930	0.014	0.043	NA	NA	NA	2.9	810	NA	320
7/30/2009	7.97	ND	4,260	2,690	160	19	28	3.0	930	ND	0.050	NA	NA	NA	2.59	770	NA	340

ND is "not detected".

NA is "not analyzed".

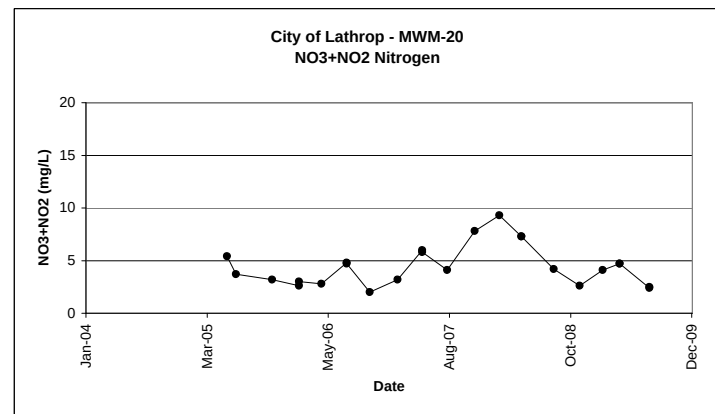
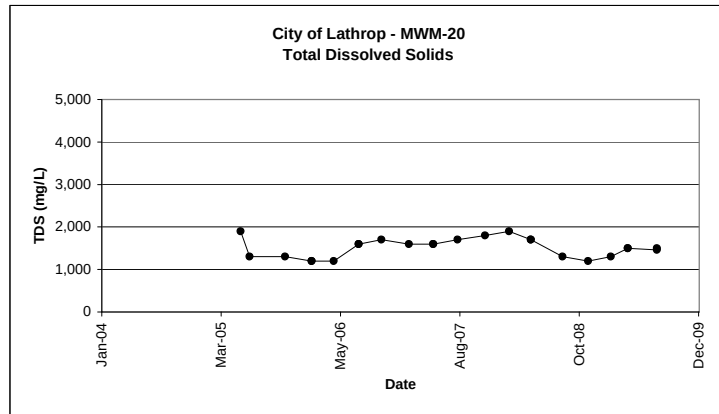
Lab results from 10/23/06 sample were switched with another sample. The correct results are listed here.



MWM-19 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/26/2005	ND	0.034	1.7	ND	ND	ND	ND	0.77	0.1	11.0	11.0	NA	1,100	1,342	ND	0.91	ND	ND	0.78
6/27/2005	0.21	0.32	1.8	0.02	ND	ND	ND	0.68	0.1	19.0	19.0	NA	950	1,159	ND	ND	ND	ND	ND
11/3/2005	0.0084	0.099	2.1	0.0009	ND	ND	0.85	1.11	ND	7.2	7.2	NA	970	1,200	ND	ND	ND	ND	ND
2/6/2006	0.0069	0.14	1.3	0.0019	ND	ND	1.3	1.10	ND	3.6	3.6	NA	670	820	ND	ND	ND	ND	ND
5/1/2006	0.0084	0.18	0.73	0.00081	ND	ND	1.8	0.89	ND	0.64	0.64	NA	325	395	ND	ND	ND	ND	ND
7/31/2006	0.011	0.15	0.77	0.00070	ND	ND	2.1	0.70	ND	ND	ND	NA	520	590	ND	ND	ND	ND	ND
10/23/2006	0.010	0.11	1.1	0.00048	ND	ND	1.4	0.76	ND	0.58	0.44	NA	580	700	ND	ND	ND	ND	ND
1/31/2007	ND	0.088	1.2	0.00040	ND	ND	1.4	0.56	ND	0.67	0.45	NA	670	790	NA	ND	ND	ND	ND
5/1/2007	0.0062	0.085	1.1	0.00050	ND	ND	1.0	0.98	ND	0.64	0.45	NA	720	880	NA	ND	ND	ND	ND
7/31/2007	ND	0.090	1.2	0.0010	ND	ND	0.82	1.1	ND	0.38	0.26	NA	720	880	NA	ND	ND	ND	ND
7/31/2007	ND	0.091	1.3	0.00040	ND	ND	1.0	1.0	ND	0.35	0.26	NA	750	910	NA	ND	ND	ND	ND
11/7/2007	ND	0.085	1.3	0.00070	ND	ND	1.2	0.46	0.11	1.2	1.0	NA	740	910	NA	ND	ND	ND	ND
2/4/2008	ND	0.073	1.4	0.00081	ND	ND	0.68	0.63	ND	1.4	1.3	NA	800	980	NA	ND	ND	ND	ND
4/22/2008	ND	0.074	1.5	0.00081	ND	ND	1.0	0.67	ND	1.3	1.3	NA	830	1,000	NA	ND	ND	ND	ND
4/22/2008	ND	0.073	1.5	0.00070	ND	ND	1.1	0.81	ND	1.6	1.5	NA	950	1,200	NA	ND	ND	ND	ND
8/19/2008	NA	NA	1.4	NA	NA	NA	NA	0.41	ND	2.4	2.3	NA	870	1,100	NA	ND	ND	ND	ND
11/20/2008	NA	NA	1.4	NA	NA	NA	NA	0.79	ND	3.0	2.7	NA	940	1,100	NA	ND	ND	ND	ND
2/11/2009	NA	NA	1.6	NA	NA	NA	NA	0.69	ND	2.1	1.9	NA	920	1,100	NA	ND	ND	ND	ND
2/11/2009	NA	NA	1.5	NA	NA	NA	NA	0.81	ND	1.8	1.7	NA	900	1,000	NA	ND	ND	ND	ND
4/13/2009	NA	NA	1.6	NA	NA	NA	NA	0.63	ND	0.64	0.64	NA	940	1,100	NA	ND	ND	ND	ND
4/13/2009	NA	NA	1.6	NA	NA	NA	NA	0.65	ND	0.59	0.59	NA	960	1,100	NA	ND	ND	ND	ND
7/30/2009	NA	NA	1.4	NA	NA	NA	NA	0.361	ND	1.1	1.1	NA	850	1,040	ND	ND	ND	ND	ND

MWM-20																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/25/2005	7.52	17	2,800	1,900	NA	88	101	ND	457	ND	0.066	0.332	ND	0.0542	1.3	580	ND	360
6/27/2005	7.50	2	2,300	1,300	NA	51	58	ND	340	0.081	ND	0.35	ND	ND	ND	380	ND	260
11/4/2005	7.39	2	2,304	1,300	300	44	47	1.9	390	ND	0.079	0.054	0.0025	ND	0.95	300	0.22	240
2/9/2006	7.59	ND	2,127	1,200	510	130	42	2.1	140	ND	0.84	0.12	0.0062	ND	0.61	210	0.21	190
2/9/2006	7.59	ND	2,127	1,200	280	43	43	2.2	360	ND	0.045	0.056	0.0024	ND	0.80	270	0.23	230
5/1/2006	7.11	ND	2,163	1,200	300	46	45	2.9	380	ND	0.028	0.056	0.0032	ND	0.91	290	0.19	220
8/1/2006	7.08	13	2,515	1,600	500	80	74	3.2	420	ND	0.13	0.099	0.0012	ND	1.1	340	0.14	270
8/1/2006	7.08	17	2,515	1,600	500	79	74	3.1	420	ND	0.12	0.10	0.0012	ND	1.1	340	0.14	270
10/23/2006	6.71	4	2,964	1,700	560	85	83	3.6	510	ND	0.11	0.14	0.0029	0.0033	1.2	400	0.17	270
2/1/2007	7.73	2	2,698	1,600	510	77	78	2.3	440	ND	0.099	0.11	0.0011	ND	1.2	370	0.14	260
5/1/2007	7.27	ND	2,669	1,600	600	91	91	2.1	370	ND	0.11	0.12	0.0012	ND	1.1	350	0.13	290
5/1/2007	7.27	ND	2,669	1,600	590	89	90	1.6	370	ND	0.11	0.12	0.0012	ND	1.1	350	0.13	290
7/30/2007	7.16	8	2,437	1,700	520	81	76	1.2	340	ND	0.11	0.11	0.0012	ND	0.97	330	0.13	250
11/7/2007	7.20	ND	2,892	1,800	540	86	80	2.4	490	ND	0.13	0.17	0.0013	ND	1.4	450	0.15	290
2/4/2008	7.10	70	3,057	1,900	540	87	80	1.6	490	ND	0.12	0.16	0.0022	0.0033	1.3	470	0.15	320
4/23/2008	7.38	ND	2,727	1,700	480	72	72	2.2	420	ND	0.054	0.14	0.0020	0.0032	1.3	440	0.19	290
4/23/2008	7.38	ND	2,727	1,700	470	71	71	2.3	420	ND	0.056	0.13	0.0019	0.0031	1.2	430	0.19	280
8/18/2008	7.27	ND	2,596	1,300	520	79	78	2.2	370	ND	0.090	NA	NA	NA	1.0	360	NA	250
11/20/2008	7.18	2	2,137	1,200	460	71	69	1.3	300	ND	0.13	NA	NA	NA	0.77	240	NA	160
2/11/2009	7.10	ND	2,315	1,300	470	73	71	2.4	340	ND	0.076	NA	NA	NA	0.86	270	NA	190
4/14/2009	7.16	2	2,537	1,500	580	85	89	1.6	360	ND	0.075	NA	NA	NA	1.1	370	NA	240
4/14/2009	7.16	ND	2,537	1,500	560	83	87	1.5	370	ND	0.063	NA	NA	NA	1.4	360	NA	240
7/30/2009	8.03	ND	2,324	1,460	530	80	80	1.0	368	ND	0.13	NA	NA	NA	0.80	340	NA	250
7/30/2009	8.03	ND	2,324	1,500	520	80	79	1.0	362	ND	0.12	NA	NA	NA	0.82	350	NA	250

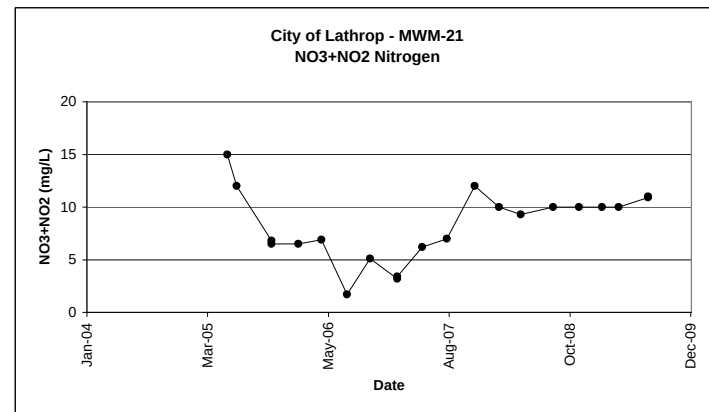
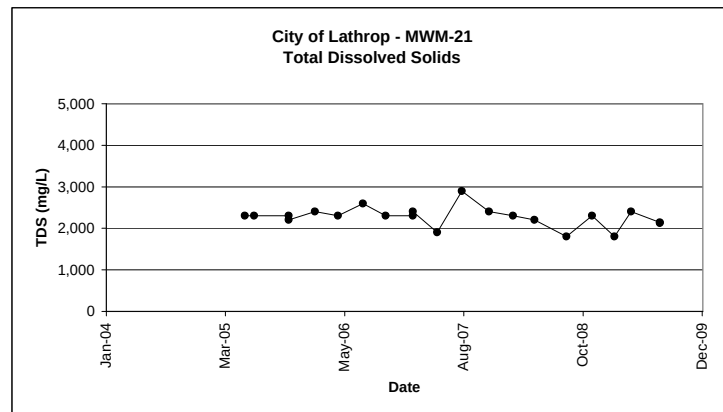
ND is "not detected".
NA is "not analyzed".



MWM-20 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/25/2005	ND	ND	0.80	ND	ND	ND	ND	ND	0.18	5.4	5.4	NA	540	659	ND	ND	ND	ND	ND
6/27/2005	ND	0.32	0.68	ND	ND	ND	ND	0.19	ND	3.7	3.7	NA	450	549	ND	ND	ND	ND	ND
11/4/2005	0.0078	0.0053	0.82	0.0003	ND	ND	0.12	ND	ND	3.2	3.2	NA	460	570	ND	ND	ND	ND	ND
2/9/2006	0.0052	0.0033	0.45	0.0003	ND	ND	0.12	0.18	ND	2.6	2.6	NA	410	500	ND	ND	ND	ND	ND
2/9/2006	0.0065	0.0062	0.78	0.0003	ND	ND	0.14	ND	ND	3.0	3.0	NA	420	510	ND	ND	ND	ND	ND
5/1/2006	0.0065	0.0047	0.72	ND	ND	ND	0.12	0.28	ND	2.8	2.8	NA	305	375	ND	ND	ND	ND	ND
8/1/2006	0.0073	0.0035	0.93	0.0003	ND	ND	0.09	ND	ND	4.8	4.8	NA	580	710	ND	ND	ND	ND	ND
8/1/2006	0.0073	0.0028	0.94	0.0003	ND	ND	0.09	ND	ND	4.7	4.7	NA	550	670	ND	ND	ND	ND	ND
10/23/2006	0.0098	0.0027	1.0	0.0002	ND	ND	0.08	0.32	ND	2.0	2.0	NA	710	860	ND	ND	ND	ND	ND
2/1/2007	ND	0.0035	0.85	0.0005	ND	ND	0.33	0.21	ND	3.2	3.2	NA	600	740	NA	ND	ND	ND	ND
5/1/2007	0.0057	0.0031	0.96	0.0007	ND	ND	0.14	0.11	ND	6.0	6.0	NA	720	880	NA	ND	ND	ND	ND
5/1/2007	0.0056	0.0030	0.98	0.0008	ND	ND	0.13	0.34	ND	5.8	5.8	NA	720	870	NA	ND	ND	ND	ND
7/30/2007	ND	0.0030	0.88	0.0009	ND	ND	0.082	ND	ND	4.1	4.1	NA	640	780	NA	ND	ND	ND	ND
11/7/2007	ND	0.0028	0.84	0.0003	ND	ND	0.092	ND	ND	7.8	7.8	NA	600	730	NA	ND	ND	ND	ND
2/4/2008	ND	0.0025	0.77	0.00021	ND	ND	0.091	ND	ND	9.3	9.3	NA	580	710	NA	ND	ND	ND	ND
4/23/2008	ND	0.0026	0.75	ND	ND	ND	0.091	ND	ND	7.3	7.3	NA	620	760	NA	ND	ND	ND	ND
4/23/2008	ND	0.0026	0.74	ND	ND	ND	0.090	ND	ND	7.3	7.3	NA	600	730	NA	ND	ND	ND	ND
8/18/2008	NA	NA	0.78	NA	NA	NA	NA	ND	ND	4.2	4.2	NA	650	790	NA	ND	ND	ND	ND
11/20/2008	NA	NA	0.82	NA	NA	NA	NA	0.27	ND	2.6	2.6	NA	690	850	NA	ND	ND	ND	ND
2/11/2009	NA	NA	0.81	NA	NA	NA	NA	ND	ND	4.1	4.1	NA	670	820	NA	ND	ND	ND	ND
4/14/2009	NA	NA	0.75	NA	NA	NA	NA	ND	ND	4.7	4.7	NA	630	760	NA	ND	ND	ND	ND
4/14/2009	NA	NA	0.75	NA	NA	NA	NA	ND	ND	4.7	4.7	NA	640	780	NA	ND	ND	ND	ND
7/30/2009	NA	NA	0.70	NA	NA	NA	NA	0.22	ND	2.4	2.4	NA	620	760	ND	ND	ND	ND	ND
7/30/2009	NA	NA	0.70	NA	NA	NA	NA	ND	ND	2.5	2.5	NA	620	760	ND	ND	ND	ND	ND

MWM-21																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.43	> 1,600	3,000	2,300	NA	134	88	5.4	620	ND	1.09	0.222	ND	0.0272	2.6	640	ND	470
6/27/2005	7.59	8	3,600	2,300	NA	120	71	ND	510	0.028	1.10	ND	ND	ND	2.8	630	ND	460
11/1/2005	7.15	ND	3,784	2,300	630	120	76	3.2	610	ND	1.50	0.058	0.0068	ND	3.2	610	0.21	470
11/1/2005	7.15	2	3,784	2,200	630	130	77	3.0	610	ND	1.50	0.058	0.0070	ND	3.3	610	0.20	470
2/6/2006	7.25	ND	3,998	2,400	650	130	80	10	620	ND	1.10	0.062	0.0076	ND	4.6	670	0.17	510
5/1/2006	6.94	ND	3,816	2,300	730	150	87	5.4	610	ND	1.5	0.061	0.0098	0.0022	3.4	610	0.17	480
8/1/2006	6.83	30	4,013	2,600	840	170	97	5.4	660	ND	1.8	0.072	0.0040	ND	4.8	690	0.17	590
10/24/2006	7.05	240	3,748	2,300	700	140	84	4.8	600	ND	1.1	0.067	0.0069	0.0042	3.9	620	0.29	520
1/31/2007	7.53	ND	4,010	2,300	780	160	94	3.1	630	ND	0.88	0.056	0.0031	ND	4.0	670	0.17	570
1/31/2007	7.53	ND	4,010	2,400	790	160	96	3.2	620	ND	0.76	0.055	0.0032	ND	4.0	670	0.17	560
5/1/2007	7.18	ND	4,104	1,900	800	170	93	3.9	600	ND	1.4	0.062	0.0041	ND	4.8	680	0.17	620
7/30/2007	7.19	ND	3,899	2,900	790	170	88	2.7	570	ND	1.8	0.065	0.0041	ND	4.5	670	0.21	610
11/7/2007	7.30	4	3,775	2,400	730	150	83	4.7	580	ND	1.7	0.069	0.0030	ND	3.6	610	0.24	520
2/4/2008	7.20	ND	3,696	2,300	720	150	82	2.6	570	ND	1.3	0.066	0.0044	ND	3.6	610	0.26	530
4/23/2008	7.27	ND	3,592	2,200	730	150	85	3.2	540	ND	1.4	0.064	0.0037	ND	3.6	660	0.23	530
8/18/2008	7.26	ND	3,813	1,800	700	150	80	3.2	560	ND	1.5	NA	NA	NA	3.6	620	NA	510
11/20/2008	7.25	ND	3,760	2,300	670	140	78	2.7	580	ND	1.7	NA	NA	NA	3.5	600	NA	490
2/11/2009	7.10	ND	3,765	1,800	700	150	80	3.7	580	ND	1.6	NA	NA	NA	3.5	600	NA	500
4/13/2009	7.28	ND	3,737	2,400	720	150	83	2.4	590	ND	1.6	NA	NA	NA	3.0	580	NA	500
7/28/2009	8.20	ND	3,371	2,140	620	135	68	3.0	587	0.07	1.47	NA	NA	NA	2.31	500	NA	460
7/28/2009	8.20	ND	3,371	2,130	620	137	68	3.0	596	0.09	1.46	NA	NA	NA	2.22	520	NA	470

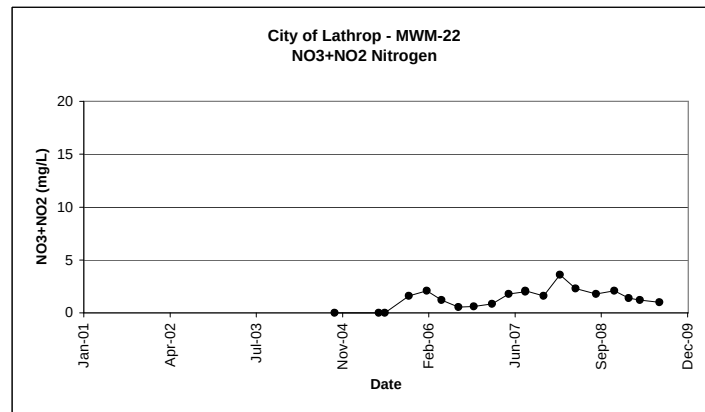
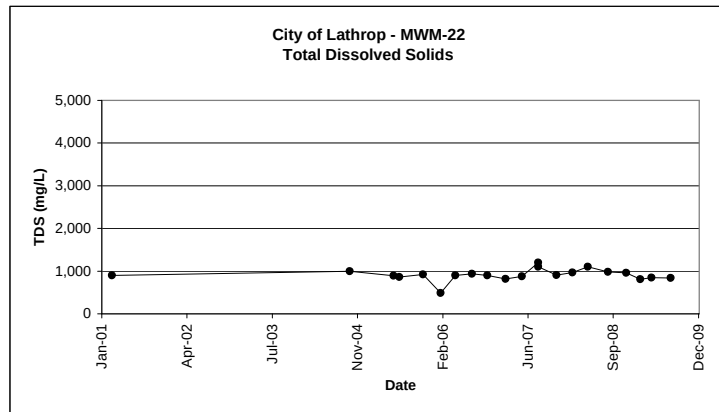
ND is "not detected".
NA is "not analyzed".



MWM-21 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.90	ND	ND	ND	ND	1.4	ND	15.0	14	NA	620	756	ND	ND	ND	ND	ND
6/27/2005	ND	0.43	0.78	ND	ND	ND	ND	0.23	ND	12.0	12	NA	580	708	ND	ND	ND	ND	ND
11/1/2005	0.0071	0.014	0.91	ND	ND	ND	0.27	0.71	ND	6.8	6.8	NA	600	730	ND	ND	ND	ND	ND
11/1/2005	0.0073	0.014	0.90	ND	ND	ND	0.27	0.46	ND	6.5	6.5	NA	630	760	ND	ND	ND	ND	ND
2/6/2006	ND	0.011	0.92	ND	ND	ND	0.26	0.75	ND	6.5	6.5	NA	590	720	ND	ND	ND	ND	ND
5/1/2006	0.0065	0.0075	0.90	ND	ND	ND	0.26	0.72	ND	6.9	6.8	NA	510	620	ND	ND	ND	ND	ND
8/1/2006	0.0075	0.0072	1.2	ND	ND	ND	0.23	0.56	ND	1.7	1.7	NA	580	710	ND	ND	ND	ND	ND
10/24/2006	0.0087	0.0067	1.2	ND	ND	ND	0.18	0.61	ND	5.1	5.1	NA	570	700	ND	ND	ND	ND	ND
1/31/2007	ND	0.0069	1.1	ND	ND	ND	0.62	0.51	ND	3.2	3.1	NA	560	690	NA	ND	ND	ND	ND
1/31/2007	ND	0.007	1.1	ND	ND	ND	0.49	0.52	ND	3.4	3.3	NA	570	700	NA	ND	ND	ND	ND
5/1/2007	0.0064	0.0066	1.2	ND	ND	ND	0.22	0.82	ND	6.2	6.2	NA	690	840	NA	ND	ND	ND	ND
7/30/2007	ND	0.0072	1.1	ND	ND	ND	0.24	0.21	ND	7.0	6.9	NA	590	720	NA	ND	ND	ND	ND
11/7/2007	0.0053	0.0082	1.2	ND	ND	ND	0.26	0.11	0.10	12	12	NA	590	720	NA	ND	ND	ND	ND
2/4/2008	ND	0.0066	1.1	0.00027	ND	ND	0.26	0.29	ND	10	10	NA	640	780	NA	ND	ND	ND	ND
4/23/2008	ND	0.0050	1.0	ND	ND	ND	0.21	0.69	0.13	9.3	9.1	NA	680	830	NA	ND	ND	ND	ND
8/18/2008	NA	NA	1.1	NA	NA	NA	NA	0.71	ND	10	10	NA	630	770	NA	ND	ND	ND	ND
11/20/2008	NA	NA	1.2	NA	NA	NA	NA	ND	ND	10	10	NA	680	830	NA	ND	ND	ND	ND
2/11/2009	NA	NA	1.2	NA	NA	NA	NA	0.29	ND	10	10	NA	700	850	NA	ND	ND	ND	ND
4/13/2009	NA	NA	1.2	NA	NA	NA	NA	ND	ND	10	10	NA	700	860	NA	ND	ND	ND	ND
7/28/2009	NA	NA	1.2	NA	NA	NA	NA	ND	ND	10.9	10.9	NA	650	800	ND	ND	ND	ND	ND
7/28/2009	NA	NA	1.2	NA	NA	NA	NA	ND	ND	11	11	NA	650	790	ND	ND	ND	ND	ND

MWM-22																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
2/27/2001	7.64	NA	1,450	899	NA	145	40	5.0	131	0.070	1.57	NA	NA	2.04	NA	199	NA	185
9/27/2004	7.09	NA	NA	1,000	NA	150	NA	ND	140	ND	1.30	ND	NA	ND	NA	NA	ND	190
5/25/2005	7.35	11	1,200	890	NA	126	39	ND	131	ND	0.90	0.33	ND	0.0453	ND	180	ND	160
6/27/2005	7.59	300	1,300	860	NA	130	37	ND	120	0.069	0.86	0.59	ND	ND	ND	190	ND	160
11/4/2005	7.11	ND	1,521	920	470	130	41	1.8	140	ND	1.50	0.100	0.0051	ND	0.60	190	0.18	180
2/9/2006	7.18	50	1,489	490	220	53	22	1.0	76	ND	0.007	0.028	0.0026	ND	0.24	73	0.41	73
5/1/2006	6.69	ND	1,467	900	550	150	43	1.7	150	ND	1.50	0.16	0.0080	ND	0.66	190	0.14	180
7/31/2006	6.57	800	1,326	940	400	100	34	1.5	120	ND	1.10	0.16	0.0010	0.0026	0.55	180	0.14	160
10/23/2006	6.40	13	1,359	900	440	110	37	2.6	140	ND	0.84	0.18	0.0024	0.0058	0.63	190	0.23	170
1/31/2007	6.85	ND	1,437	820	460	120	38	1.7	140	ND	0.56	0.13	0.0010	ND	0.59	190	0.15	180
5/1/2007	7.08	ND	1,464	880	470	120	38	1.8	130	ND	0.73	0.12	0.0010	ND	0.63	200	0.15	190
7/30/2007	7.05	4	1,489	1,200	480	130	39	1.4	130	ND	0.80	0.16	0.0010	ND	0.65	200	0.17	190
7/30/2007	7.05	8	1,489	1,100	480	130	39	1.5	140	ND	1.1	0.15	0.0011	ND	0.65	220	0.16	210
11/7/2007	7.30	ND	1,377	910	440	110	38	1.8	140	ND	0.97	0.19	0.0011	ND	0.56	180	0.20	170
2/4/2008	7.00	4	1,503	970	500	130	42	1.5	130	ND	0.075	0.16	0.0025	0.0032	0.59	200	0.18	190
4/28/2008	7.10	ND	1,660	1,100	520	140	41	1.7	140	ND	1.1	0.13	0.0023	0.0027	0.64	220	0.18	200
8/18/2008	7.1	23	1,652	980	520	140	42	1.5	140	ND	1.4	NA	NA	NA	0.55	190	NA	180
11/25/2008	7.1	2	1,476	960	490	130	40	2.3	140	ND	1.3	NA	NA	NA	0.58	180	NA	160
2/11/2009	7.13	11	1,412	810	420	110	36	1.7	130	ND	0.16	NA	NA	NA	0.52	170	NA	160
4/13/2009	7.18	2	1,447	850	420	110	35	1.2	130	ND	0.22	NA	NA	NA	0.50	170	NA	150
7/28/2009	8.15	4	1,356	840	430	116	35	2.0	136	ND	0.67	NA	NA	NA	0.44	174	NA	153

ND is "not detected".
NA is "not analyzed".
Formerly monitoring well TMW-5.



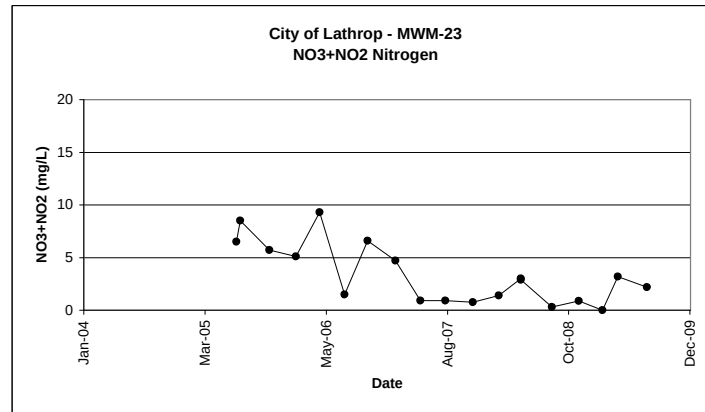
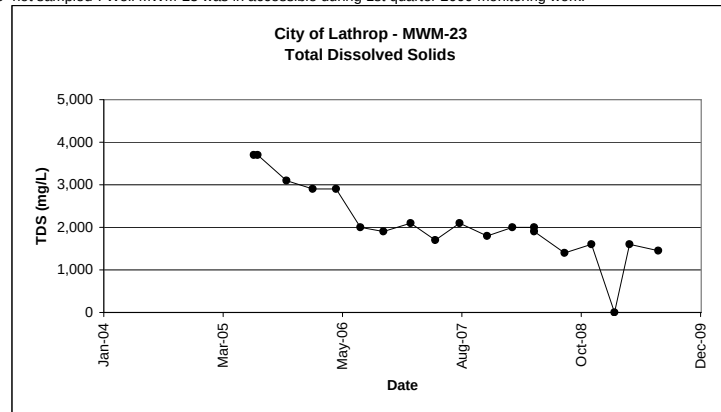
MWM-22 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
2/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	319	ND	NA	NA	NA	NA
9/27/2004	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	0.7	ND	NA	320	ND	ND	ND	ND	ND
5/25/2005	ND	ND	0.39	ND	ND	ND	ND	0.25	0.27	ND	ND	NA	320	390	ND	ND	ND	ND	ND
6/27/2005	ND	0.34	0.49	ND	ND	ND	ND	ND	ND	ND	0.3	NA	300	366	ND	ND	ND	ND	ND
11/4/2005	0.0056	0.0033	0.47	ND	ND	ND	0.12	ND	ND	1.6	1.6	NA	330	400	ND	ND	ND	ND	ND
2/9/2006	0.0058	0.0074	0.38	ND	ND	ND	0.12	0.11	ND	2.1	2.1	NA	300	370	ND	ND	ND	ND	ND
5/1/2006	0.0070	0.0028	0.41	ND	ND	ND	0.12	ND	ND	1.2	1.2	NA	215	265	ND	ND	0.11	ND	0.21
7/31/2006	0.0061	0.0027	0.41	ND	ND	ND	0.12	0.17	ND	0.54	0.54	NA	290	350	ND	ND	ND	ND	ND
10/23/2006	0.0086	0.0027	0.47	ND	ND	ND	0.12	0.20	ND	0.61	0.61	NA	270	330	ND	ND	ND	ND	ND
1/31/2007	ND	0.0028	0.46	ND	ND	ND	0.30	0.24	ND	0.86	0.81	NA	280	340	NA	ND	ND	ND	ND
5/1/2007	0.0059	0.0026	0.43	ND	ND	ND	0.13	ND	ND	1.8	1.8	NA	360	440	NA	ND	ND	ND	ND
7/30/2007	ND	0.0028	0.42	ND	ND	ND	0.11	ND	ND	2.0	2.0	NA	310	380	NA	ND	ND	ND	ND
7/30/2007	ND	0.0029	0.43	ND	ND	ND	0.11	ND	ND	2.1	2.1	NA	320	390	NA	ND	ND	ND	ND
11/7/2007	ND	0.0029	0.46	ND	ND	ND	0.13	0.32	ND	1.6	1.6	NA	280	340	NA	ND	ND	ND	ND
2/4/2008	ND	0.0025	0.42	ND	ND	ND	0.13	ND	ND	3.6	3.6	NA	350	430	NA	ND	ND	ND	ND
4/28/2008	ND	0.0025	0.39	ND	ND	ND	0.12	ND	ND	2.3	2.3	NA	390	480	NA	ND	ND	ND	ND
8/18/2008	NA	NA	0.45	NA	NA	NA	NA	0.19	ND	1.8	1.8	NA	430	530	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.45	NA	NA	NA	NA	ND	ND	2.1	2.1	NA	370	450	NA	ND	ND	ND	ND
2/11/2009	NA	NA	0.43	NA	NA	NA	NA	ND	ND	1.4	1.4	NA	340	410	NA	ND	ND	ND	ND
4/13/2009	NA	NA	0.40	NA	NA	NA	NA	0.17	ND	1.2	1.2	NS	350	420	NA	ND	ND	ND	ND
7/28/2009	NA	NA	0.40	NA	NA	NA	NA	ND	ND	1.0	1.0	NA	320	400	ND	ND	ND	ND	ND

MWM-23																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
7/5/2005	7.37	>1,600	4,100	3,700	NA	290	152	7.2	848	ND	2.71	0.163	ND	ND	3.1	940	ND	1,100
7/19/2005	7.38	30	4,200	3,700	NA	270	130	7.1	840	ND	2.30	0.14	ND	ND	3.0	900	ND	1,000
11/1/2005	7.25	2	5,233	3,100	1,100	220	130	6.1	830	ND	2.00	0.070	0.011	ND	3.3	920	0.43	1,000
2/6/2006	7.37	ND	4,091	2,900	770	160	89	11	690	ND	1.20	0.046	0.010	ND	3.6	680	0.62	770
5/2/2006	7.17	4	5,144	2,900	860	180	100	7.3	750	ND	0.89	0.049	0.010	ND	2.8	670	0.61	800
7/31/2006	7.04	ND	3,199	2,000	510	110	59	5.6	540	ND	1.0	0.034	0.0035	ND	2.2	490	0.52	560
10/23/2006	6.89	23	2,990	1,900	480	100	55	5.3	540	ND	0.65	0.039	0.0077	0.0027	2.0	440	0.61	450
1/31/2007	7.32	ND	3,687	2,100	520	110	59	3.3	660	ND	0.35	0.043	0.0026	ND	2.2	590	0.37	600
5/1/2007	7.43	ND	3,128	1,700	370	80	41	3.2	530	ND	0.19	0.032	0.0019	ND	1.8	520	0.47	420
7/30/2007	7.28	2	2,952	2,100	340	75	36	2.3	520	ND	0.47	0.032	0.0023	ND	1.9	520	0.55	410
11/7/2007	7.40	8	2,989	1,800	300	65	33	3.8	580	ND	0.51	0.036	0.0021	ND	2.0	490	0.70	380
2/8/2008	7.58	ND	2,944	2,000	250	55	28	3.0	590	ND	0.23	0.029	0.0027	ND	1.9	470	0.62	380
4/28/2008	7.44	ND	3,239	2,000	310	68	35	2.5	590	ND	0.27	0.036	0.0033	ND	2.2	590	0.42	430
4/28/2008	7.44	ND	3,239	1,900	320	70	36	2.6	590	ND	0.29	0.036	0.0033	ND	2.2	580	0.42	420
8/18/2008	7.56	ND	2,770	1,400	290	63	32	3.4	490	ND	0.52	NA	NA	NA	2.3	480	NA	400
11/24/2008	7.61	4	2,536	1,600	230	49	26	2.1	480	ND	0.36	NA	NA	NA	2.2	400	NA	320
2/17/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/13/2009	7.67	8	2,611	1,600	230	48	26	1.5	480	ND	0.26	NA	NA	NA	2.0	360	NA	320
7/28/2009	7.60	2	2,407	1,450	200	44	21	2.0	476	ND	0.34	NA	NA	NA	1.73	360	NA	350

ND is "not detected".

NA is "not analyzed".

NS denotes "not sampled". Well MWM-23 was in accessible during 1st quarter 2009 monitoring work.



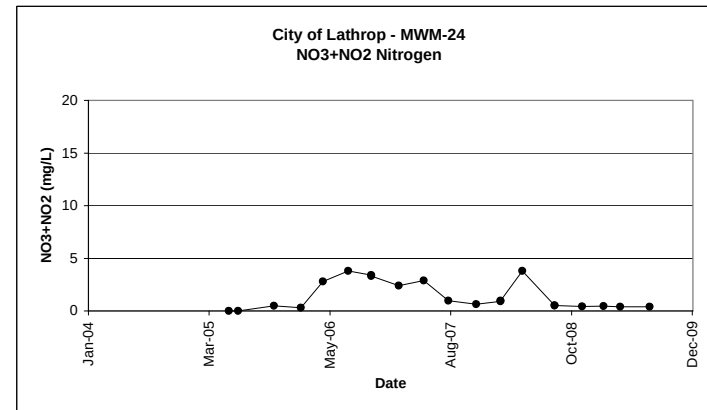
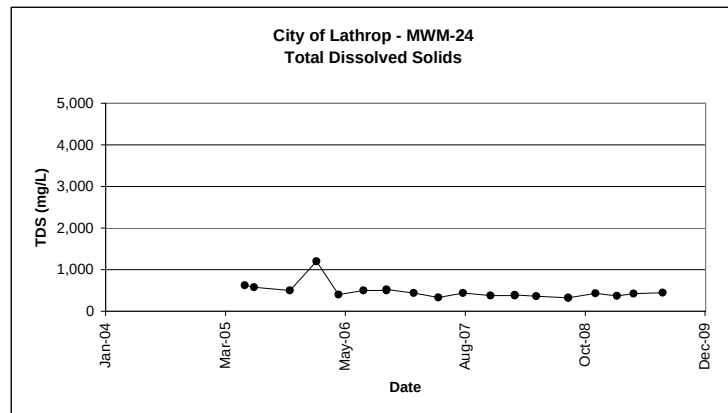
MWM-23 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
7/5/2005	ND	ND	1.2	ND	ND	ND	ND	1.0	ND	6.5	6.5	NA	550	671	ND	ND	ND	ND	ND
7/19/2005	ND	ND	1.5	ND	ND	ND	ND	1.7	ND	8.5	8.5	NA	580	708	ND	ND	ND	ND	ND
11/1/2005	0.0077	0.012	1.5	0.0003	ND	ND	0.33	1.2	ND	5.7	5.7	NA	570	690	ND	ND	ND	ND	ND
2/6/2006	0.0054	0.012	1.4	0.0003	ND	ND	0.36	1.0	ND	5.1	5.1	NA	520	640	ND	ND	ND	ND	ND
5/2/2006	0.0060	0.0097	1.5	ND	ND	ND	0.36	1.1	ND	9.3	9.3	NA	575	700	ND	ND	ND	ND	ND
7/31/2006	0.0072	0.0076	1.0	ND	ND	ND	0.36	0.57	ND	1.5	1.5	NA	430	520	ND	ND	ND	ND	ND
10/23/2006	0.0086	0.0070	1.1	ND	ND	ND	0.28	0.63	ND	6.6	6.3	NA	400	490	ND	ND	ND	ND	ND
1/31/2007	ND	0.0099	1.1	ND	ND	ND	0.61	0.44	ND	4.7	4.7	NA	460	560	NA	ND	ND	ND	ND
5/1/2007	0.0064	0.0095	0.86	0.0005	ND	ND	0.42	0.77	ND	0.91	0.91	NA	500	610	NA	ND	ND	ND	ND
7/30/2007	ND	0.011	0.74	0.0002	ND	ND	0.37	0.61	ND	0.92	0.92	NA	430	520	NA	ND	ND	ND	ND
11/7/2007	0.0053	0.013	0.77	ND	ND	ND	0.55	0.26	ND	0.77	0.77	NA	430	520	NA	ND	ND	ND	ND
2/8/2008	ND	0.015	0.80	0.00021	ND	ND	0.58	0.32	ND	1.4	1.4	NA	500	610	NA	ND	ND	ND	ND
4/28/2008	ND	0.010	0.80	ND	ND	ND	0.44	0.39	ND	3.0	2.9	NA	490	590	NA	ND	ND	ND	ND
4/28/2008	ND	0.010	0.80	ND	ND	ND	0.44	0.47	ND	2.9	2.9	NA	470	570	NA	ND	ND	ND	ND
8/18/2008	NA	NA	0.71	NA	NA	NA	NA	0.36	ND	0.31	0.31	NA	420	510	NA	ND	ND	ND	ND
11/24/2008	NA	NA	0.66	NA	NA	NA	NA	2.1	ND	0.87	0.87	NA	420	510	NA	ND	ND	ND	ND
2/17/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/13/2009	NA	NA	0.69	NA	NA	NA	NA	0.3	ND	3.2	3.1	NA	440	540	NA	ND	ND	ND	ND
7/28/2009	NA	NA	0.70	NA	NA	NA	NA	ND	ND	2.2	2.2	NA	370	450	ND	ND	ND	ND	ND

MWM-24																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.65	140	780	620	NA	63	27	1.9	97	ND	ND	0.562	ND	0.0731	ND	110	ND	89
6/27/2005	7.66	NA	840	580	NA	61	24	ND	79	0.4	ND	ND	ND	ND	ND	100	ND	760
11/4/2005	7.39	2	672	500	240	60	26	0.83	85	ND	0.009	0.028	0.0018	ND	0.28	89	0.38	90
2/9/2006	7.49	ND	606	1,200	280	42	43	2.7	360	ND	0.041	0.051	0.0030	ND	0.86	270	0.23	230
5/1/2006	6.95	ND	704	400	220	53	22	ND	80	ND	0.0012	0.024	0.0025	ND	0.23	65	0.34	64
7/31/2006	6.82	23	822	500	250	59	26	0.93	78	ND	0.0023	0.033	ND	ND	0.20	59	0.29	56
10/23/2006	6.70	6	772	500	260	61	27	1.7	82	ND	0.0099	0.034	0.0010	0.0033	0.17	44	0.40	50
10/23/2006	6.70	17	772	520	260	60	26	1.1	77	ND	0.020	0.035	0.0011	0.0020	0.19	46	0.76	53
1/31/2007	7.00	2	704	440	250	57	26	0.75	67	ND	0.0016	0.026	ND	ND	0.12	38	0.36	42
5/1/2007	7.46	ND	655	330	220	50	22	0.75	62	ND	0.00056	0.026	ND	ND	0.13	36	0.31	40
7/30/2007	7.52	80	578	440	180	43	18	0.50	55	ND	0.00110	0.021	ND	ND	0.10	32	0.38	35
11/7/2007	7.60	80	548	380	180	42	18	0.65	57	ND	0.0017	0.021	ND	ND	0.11	34	0.42	33
2/4/2008	7.40	2	620	380	190	45	19	0.53	58	ND	0.00039	0.021	ND	ND	0.13	40	0.40	37
2/4/2008	7.40	ND	620	390	200	46	20	0.57	59	ND	0.00043	0.021	ND	ND	0.13	40	0.40	37
4/23/2008	7.42	ND	608	360	180	42	19	0.68	54	ND	0.00049	0.021	ND	ND	0.15	46	0.41	39
8/18/2008	7.52	80	650	320	NA	45	20	1.2	55	ND	0.001	NA	NA	NA	0.21	62	NA	49
8/18/2008	7.52	30	650	320	200	45	20	0.81	55	ND	0.0014	NA	NA	NA	0.26	63	NA	50
11/25/2008	7.43	ND	690	430	210	49	22	0.98	59	ND	ND	NA	NA	NA	0.29	70	NA	49
2/11/2009	7.49	ND	674	370	210	49	22	0.48	57	ND	ND	NA	NA	NA	0.26	76	NA	54
4/13/2009	7.56	7	560	420	210	48	22	0.26	58	ND	ND	NA	NA	NA	0.25	78	NA	56
7/28/2009	7.44	ND	719	450	230	56	23	ND	63	ND	ND	NA	NA	NA	0.17	74	NA	53

ND is "not detected".

NA is "not analyzed".

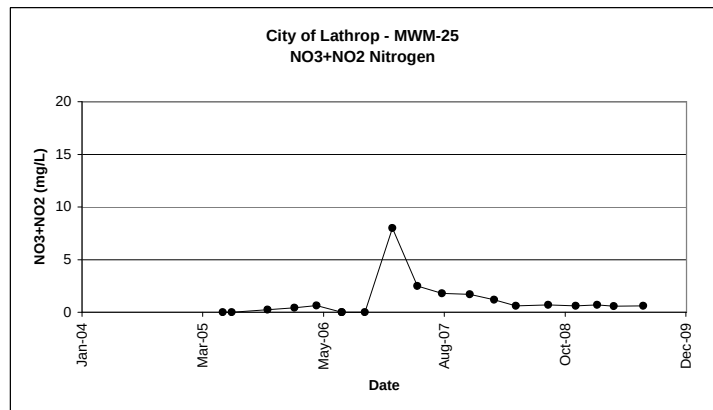
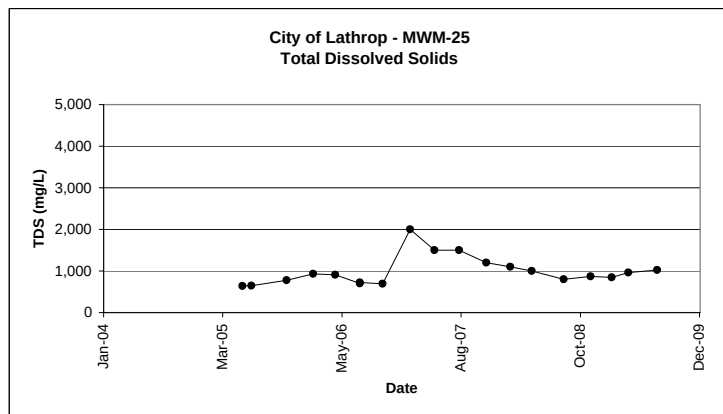
Lab results from duplicate 10/23/06 sample were switched with another sample. The correct results are listed here.



MWM-24 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.45	ND	ND	ND	ND	0.8	ND	ND	0.61	NA	250	305	ND	ND	ND	ND	ND
6/27/2005	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	0.91	NA	200	244	ND	ND	ND	ND	ND
11/4/2005	ND	0.0080	0.43	ND	ND	ND	0.23	ND	ND	0.5	0.50	NA	220	270	ND	ND	ND	ND	ND
2/9/2006	0.0072	0.0055	0.79	0.0004	ND	ND	0.18	ND	ND	0.3	0.30	NA	200	250	ND	ND	ND	ND	ND
5/1/2006	0.0058	0.0079	0.35	ND	ND	ND	0.18	ND	ND	2.8	2.8	NA	155	190	ND	ND	ND	ND	ND
7/31/2006	0.0070	0.0069	0.29	ND	ND	ND	0.19	ND	ND	3.8	3.8	NA	300	370	ND	ND	ND	ND	ND
10/23/2006	0.014	0.0077	0.30	0.00036	ND	ND	0.15	ND	ND	3.4	3.4	NA	280	340	ND	ND	ND	ND	ND
10/23/2006	0.010	0.0066	0.31	0.00039	ND	ND	0.16	0.12	ND	3.3	3.3	NA	280	340	ND	ND	ND	ND	ND
1/31/2007	ND	0.0065	0.31	0.00030	ND	ND	0.38	ND	ND	2.4	2.4	NA	280	340	NA	ND	ND	ND	ND
5/1/2007	0.0054	0.0065	0.27	0.00040	ND	ND	0.18	ND	ND	2.9	2.9	NA	290	360	NA	ND	ND	0.14	ND
7/30/2007	ND	0.0072	0.25	0.00030	ND	ND	0.19	ND	ND	1.0	1.0	NA	230	290	NA	ND	ND	ND	ND
11/7/2007	ND	0.0075	0.27	ND	ND	ND	0.20	0.11	ND	0.64	0.64	NA	200	240	NA	ND	ND	ND	ND
2/4/2008	ND	0.0068	0.22	0.00026	ND	ND	0.19	ND	ND	0.92	0.92	NA	230	280	NA	ND	ND	ND	ND
2/4/2008	ND	0.0064	0.24	0.00023	ND	ND	0.19	ND	0.15	0.96	0.96	NA	230	280	NA	ND	ND	ND	ND
4/23/2008	0.0059	0.0074	0.21	0.00031	ND	ND	0.18	0.12	ND	3.8	3.8	NA	230	280	NA	ND	ND	ND	ND
8/18/2008	NA	NA	0.24	NA	NA	NA	NA	0.13	ND	0.52	0.52	NA	190	230	NA	ND	ND	ND	ND
8/18/2008	NA	NA	0.24	NA	NA	NA	NA	ND	ND	0.51	0.51	NA	190	230	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.24	NA	NA	NA	NA	ND	ND	0.42	0.42	NA	190	320	NA	ND	ND	ND	ND
2/11/2009	NA	NA	0.21	NA	NA	NA	NA	ND	ND	0.46	0.46	NA	190	230	NA	ND	ND	ND	ND
4/13/2009	NA	NA	0.21	NA	NA	NA	NA	ND	ND	0.40	0.40	NA	190	230	NA	ND	ND	ND	ND
7/28/2009	NA	NA	0.20	NA	NA	NA	NA	ND	ND	0.40	0.40	NA	220	270	ND	ND	ND	ND	ND

MWM-25																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/25/2005	7.57	130	910	640	NA	47	34	3.0	138	ND	0.28	0.637	ND	0.114	ND	140	ND	89
6/27/2005	7.63	ND	990	650	NA	41	25	ND	100	0.10	0.25	ND	ND	ND	ND	120	ND	80
11/4/2005	7.12	2	1,405	780	320	60	45	1.2	160	ND	0.54	0.026	0.0022	ND	0.49	150	0.45	150
2/9/2006	7.29	ND	1,396	930	370	67	49	1.5	170	ND	0.66	0.034	0.0029	ND	0.58	160	0.45	170
5/1/2006	6.82	ND	1,476	910	390	72	52	1.5	200	ND	0.69	0.042	0.0042	ND	0.59	170	0.40	190
7/31/2006	6.80	80	1,137	700	270	50	36	1.2	140	ND	0.62	0.030	ND	ND	0.39	120	0.39	140
7/31/2006	6.80	80	1,137	720	260	49	33	1.1	140	ND	0.64	0.030	ND	ND	0.39	120	0.39	140
10/23/2006	6.62	4	1,095	690	350	65	45	1.6	130	ND	0.49	0.031	0.0019	0.003	0.48	120	0.46	130
1/31/2007	7.00	ND	3,300	2,000	1,400	250	180	2.0	230	ND	3.8	0.13	0.0012	ND	1.7	710	0.27	460
5/1/2007	7.08	ND	2,393	1,500	740	130	99	1.9	220	ND	1.2	0.084	0.0011	ND	1.2	420	0.30	290
7/30/2007	7.10	ND	2,076	1,500	610	110	81	1.4	190	ND	1.1	0.074	0.0012	ND	0.99	350	0.36	230
11/7/2007	7.30	ND	1,872	1,200	590	110	75	1.6	180	ND	1.3	0.076	0.00089	ND	0.81	310	0.36	220
2/4/2008	7.10	11	1,811	1,100	550	110	69	1.3	170	ND	1.0	0.061	0.0021	ND	0.74	310	0.38	230
4/23/2008	7.19	ND	1,797	1,000	440	77	60	1.5	200	ND	0.65	0.057	0.0016	ND	0.72	260	0.39	180
8/18/2008	7.27	ND	1,709	800	420	75	56	1.6	200	ND	0.98	NA	NA	NA	0.62	230	NA	180
11/25/2008	7.21	ND	1,377	870	350	64	46	1.6	170	ND	0.91	NA	NA	NA	0.45	150	NA	120
2/11/2009	7.20	ND	1,546	850	380	70	49	1.5	180	ND	0.80	NA	NA	NA	0.46	140	NA	140
4/13/2009	7.27	2	1,648	960	410	74	54	0.95	180	ND	0.76	NA	NA	NA	0.46	150	NA	140
7/28/2009	8.11	ND	1,672	1,020	400	71	54	1.0	244	0.06	0.68	NA	NA	NA	0.43	192	NA	157

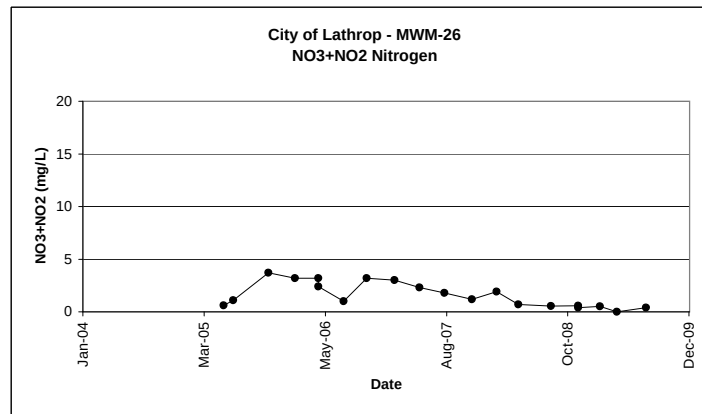
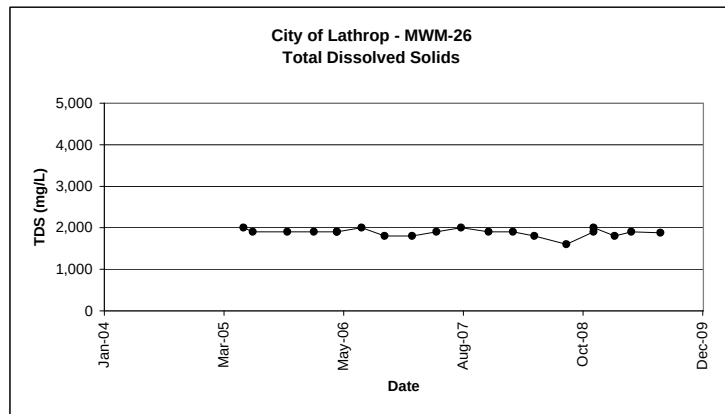
ND is "not detected".
NA is "not analyzed".



MWM-25 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/25/2005	ND	0.0104	0.67	ND	ND	ND	ND	0.35	0.2	ND	ND	NA	270	329	ND	ND	ND	ND	ND
6/27/2005	0.18	0.230	0.43	ND	ND	ND	ND	0.18	ND	ND	ND	NA	250	305	ND	ND	ND	ND	ND
11/4/2005	ND	0.0053	0.62	ND	ND	ND	0.18	0.30	ND	0.25	0.25	NA	320	390	ND	ND	ND	ND	ND
2/9/2006	0.0056	0.0053	0.63	ND	ND	ND	0.19	0.14	ND	0.42	0.42	NA	330	400	ND	ND	ND	ND	ND
5/1/2006	0.0063	0.0048	0.68	ND	ND	ND	0.16	0.28	ND	0.63	0.63	NA	410	500	ND	ND	ND	ND	ND
7/31/2006	0.0069	0.0037	0.49	ND	ND	ND	0.17	0.24	ND	ND	ND	NA	290	350	ND	ND	ND	ND	ND
7/31/2006	0.0067	0.0041	0.46	ND	ND	ND	0.17	0.23	ND	ND	ND	NA	300	360	ND	ND	ND	ND	ND
10/23/2006	0.015	0.0038	0.54	ND	ND	ND	0.13	0.25	ND	ND	ND	NA	260	320	ND	ND	ND	ND	ND
1/31/2007	0.0057	0.0027	0.46	ND	ND	ND	0.89	1.20	ND	8.0	7.9	NA	350	430	NA	ND	ND	ND	ND
5/1/2007	0.0056	0.0031	0.57	ND	ND	ND	0.15	0.79	ND	2.5	2.5	NA	430	530	NA	ND	ND	ND	ND
7/30/2007	ND	0.0034	0.49	ND	ND	ND	0.12	ND	ND	1.8	1.7	NA	340	420	NA	ND	ND	ND	ND
11/7/2007	ND	0.0034	0.51	ND	ND	ND	0.15	0.31	ND	1.7	1.5	NA	280	340	NA	ND	ND	ND	ND
2/4/2008	ND	0.0032	0.49	ND	ND	ND	0.15	0.18	ND	1.2	1.1	NA	320	390	NA	ND	ND	ND	ND
4/23/2008	0.0058	0.0034	0.56	ND	ND	ND	0.15	0.33	ND	0.60	0.60	NA	450	550	NA	ND	ND	ND	ND
8/18/2008	NA	NA	0.63	NA	NA	NA	NA	0.18	ND	0.69	0.58	NA	450	550	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.58	NA	NA	NA	NA	ND	0.15	0.60	0.48	NA	410	500	NA	ND	ND	ND	ND
2/11/2009	NA	NA	0.61	NA	NA	NA	NA	ND	ND	0.70	0.53	NA	470	570	NA	ND	ND	ND	ND
4/13/2009	NA	NA	0.62	NA	NA	NA	NA	0.14	ND	0.59	0.47	NA	530	650	NA	ND	ND	ND	ND
7/28/2009	NA	NA	0.60	NA	NA	NA	NA	ND	ND	0.60	0.60	NA	480	580	ND	ND	ND	ND	ND

MWM-26																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/24/2005	7.68	4	3,000	2,000	NA	50	78	4.9	680	ND	0.15	0.181	0.0050	0.040	4.0	540	ND	470
6/27/2005	7.63	ND	3,200	1,900	NA	38	52	ND	510	0.21	0.04	ND	ND	ND	3.9	520	ND	460
11/1/2005	7.46	4	3,207	1,900	390	44	68	2.9	580	ND	0.19	0.055	0.0075	0.0021	4.3	460	0.30	440
2/6/2006	7.58	ND	3,126	1,900	370	41	64	8.9	600	ND	0.20	0.055	0.0076	ND	4.2	480	0.34	450
5/1/2006	7.12	17	3,150	1,900	410	47	70	3.8	620	ND	0.21	0.059	0.0086	0.0021	3.9	450	0.28	440
5/1/2006	7.12	ND	3,150	1,900	440	51	75	4.2	620	ND	0.21	0.059	0.0093	0.0022	3.9	450	0.29	430
7/31/2006	7.12	ND	3,125	2,000	350	37	62	4.8	590	ND	0.22	0.060	0.0052	ND	4.0	480	0.26	450
10/23/2006	7.08	ND	2,804	1,800	360	40	63	5.2	630	ND	0.089	0.055	0.0075	0.0027	3.8	460	0.37	450
1/31/2007	7.58	ND	3,008	1,800	450	49	80	2.4	540	ND	0.25	0.047	0.0063	ND	3.8	460	0.26	440
5/1/2007	7.45	ND	3,016	1,900	400	44	70	2.7	540	ND	0.21	0.057	0.0060	ND	4.3	480	0.28	460
7/30/2007	7.27	ND	3,025	2,000	400	47	68	1.8	520	ND	0.19	0.049	0.0061	ND	3.9	470	0.32	450
11/7/2007	7.30	ND	3,089	1,900	390	44	69	3.1	540	ND	0.23	0.058	0.0066	ND	3.9	470	0.36	440
2/4/2008	7.40	ND	3,062	1,900	400	47	69	1.9	540	ND	0.15	0.050	0.0056	ND	3.8	470	0.35	450
4/23/2008	7.54	ND	2,986	1,800	400	44	70	2.6	520	ND	0.14	0.060	0.0057	ND	3.8	510	0.34	450
8/18/2008	7.5	ND	3,108	1,600	400	46	69	2.8	530	ND	0.17	NA	NA	NA	3.8	470	NA	420
11/25/2008	7.46	ND	3,129	1,900	390	43	69	1.9	550	ND	0.24	NA	NA	NA	3.9	480	NA	420
11/25/2008	7.46	ND	3,129	2,000	390	43	69	2.7	550	ND	0.25	NA	NA	NA	3.8	500	NA	430
2/11/2009	7.50	ND	2,975	1,800	380	44	65	2.3	530	ND	0.16	NA	NA	NA	3.7	470	NA	430
4/13/2009	7.54	7	3,106	1,900	380	42	67	1.6	590	ND	0.17	NA	NA	NA	3.5	480	NA	430
7/28/2009	8.34	ND	3,060	1,880	370	43	64	2.0	599	0.06	0.24	NA	NA	NA	3.3	470	NA	460

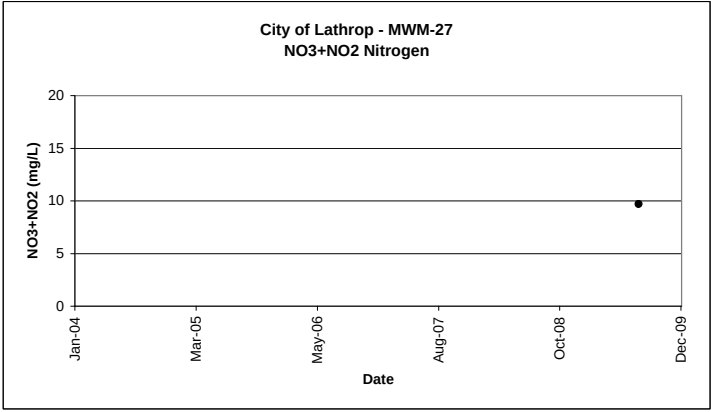
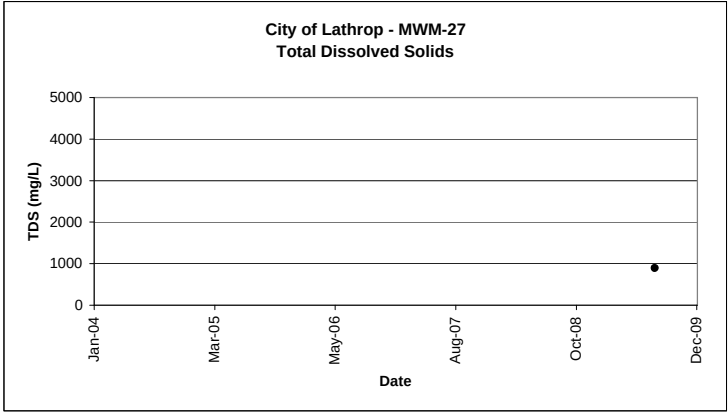
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NA is "not analyzed".



MWM-26 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/24/2005	ND	ND	0.81	ND	ND	ND	ND	ND	ND	0.6	0.6	NA	560	683	NA	ND	ND	ND	ND
6/27/2005	ND	0.39	0.69	ND	ND	ND	ND	0.63	ND	1.1	1.1	NA	550	671	NA	ND	ND	ND	ND
11/1/2005	0.0076	0.02	0.92	0.0002	ND	ND	0.44	0.36	ND	3.7	3.7	NA	510	620	ND	ND	ND	ND	ND
2/6/2006	0.0058	0.01	0.90	0.0004	ND	ND	0.43	0.76	ND	3.2	3.2	NA	480	580	ND	ND	ND	ND	ND
5/1/2006	0.0060	0.012	0.90	0.00020	ND	ND	0.38	0.80	ND	3.2	3.2	NA	440	535	ND	ND	ND	ND	ND
5/1/2006	0.0063	0.012	0.93	0.00021	ND	ND	0.40	0.54	ND	2.4	2.2	NA	435	530	ND	ND	ND	ND	ND
7/31/2006	0.0076	0.012	0.86	ND	ND	ND	0.52	0.50	ND	1.0	1.0	NA	510	630	ND	ND	ND	ND	ND
10/23/2006	0.012	0.012	1.0	0.00046	ND	ND	0.40	0.69	ND	3.2	3.2	NA	500	620	ND	ND	ND	0.40	ND
1/31/2007	ND	0.010	1.1	0.00040	ND	ND	0.69	0.55	ND	3.0	2.8	NA	480	590	NA	ND	ND	ND	ND
5/1/2007	0.0061	0.010	0.99	ND	ND	ND	0.44	0.80	ND	2.3	2.0	NA	540	650	NA	ND	ND	ND	ND
7/30/2007	ND	0.012	0.96	0.0003	ND	ND	0.38	0.53	ND	1.8	1.4	NA	460	570	NA	ND	ND	ND	ND
11/7/2007	0.0061	0.012	1.0	ND	ND	ND	0.58	0.52	0.12	1.2	1.1	NA	450	550	NA	ND	ND	ND	ND
2/4/2008	ND	0.011	0.97	0.00036	ND	ND	0.52	0.36	0.12	1.9	1.8	NA	530	650	NA	ND	ND	ND	ND
4/23/2008	0.0055	0.011	0.95	0.00031	ND	ND	0.45	0.53	0.13	0.69	0.69	NA	590	720	NA	ND	ND	ND	ND
8/18/2008	NA	NA	0.97	NA	NA	NA	NA	0.51	ND	0.54	0.54	NA	520	630	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.97	NA	NA	NA	NA	0.44	ND	0.59	0.54	NA	520	630	NA	ND	ND	ND	ND
11/25/2008	NA	NA	0.98	NA	NA	NA	NA	0.40	ND	0.38	0.38	NA	500	610	NA	ND	ND	ND	ND
2/11/2009	NA	NA	0.97	NA	NA	NA	NA	0.34	ND	0.52	0.52	NA	530	650	NA	ND	ND	ND	ND
4/13/2009	NA	NA	0.98	NA	NA	NA	NA	0.48	ND	ND	ND	NA	520	640	NA	ND	ND	ND	ND
7/28/2009	NA	NA	0.90	NA	NA	NA	NA	ND	ND	0.4	0.4	NA	520	630	ND	ND	ND	ND	ND

MWM-27																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
7/30/2009	7.21	ND	1,685	890	460	117	42	5	129	ND	1.29	NA	NA	NA	0.5	270	NA	135

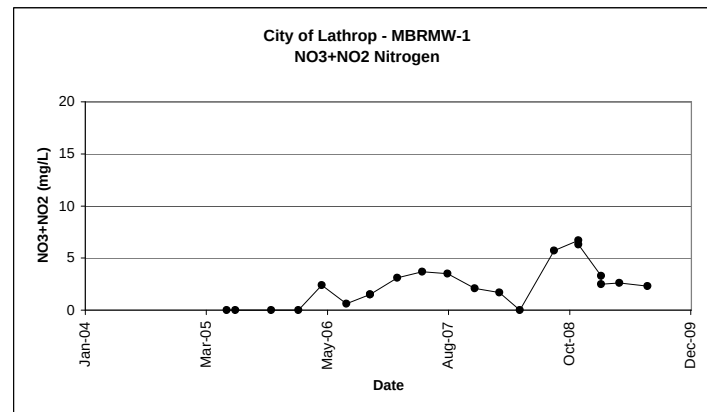
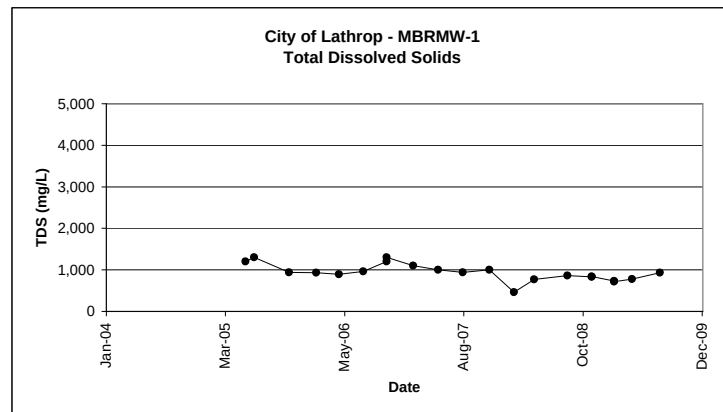
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 NA is "not analyzed".



MWM-27 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
7/30/2009	NA	NA	0.3	NA	NA	NA	NA	0.344	ND	9.7	9.4	NA	230	280	ND	ND	ND	ND	ND

MBRMW-1																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/26/2005	8.09	> 1,600	1,500	1,200	NA	11	8.5	3.6	357	0.58	0.072	0.192	ND	0.0201	ND	130	ND	280
6/27/2005	8.00	1,600	1,900	1,300	NA	33	21	4.2	380	0.087	ND	0.290	ND	ND	ND	180	ND	320
11/3/2005	8.09	30	1,498	940	29	4.3	4.4	1.0	320	ND	0.042	0.015	0.0012	ND	0.20	57	0.19	320
2/10/2006	8.31	2	1,391	930	30	4.3	4.7	2.3	330	ND	0.060	0.021	0.0012	ND	0.22	46	0.23	330
5/5/2006	7.68	300	1,317	890	81	22	6.7	5.2	340	ND	0.069	0.060	0.0022	0.0023	0.20	46	0.17	310
8/2/2006	7.40	2,300	1,462	960	58	14	5.4	3.2	340	ND	0.055	0.037	0.0011	ND	0.15	49	0.14	210
10/27/2006	7.64	240	1,755	1,200	55	12	6.3	3.2	390	ND	0.022	0.033	0.0024	0.0033	0.28	190	0.21	170
10/27/2006	7.64	170	1,755	1,300	54	11	6.4	3.7	420	ND	0.022	0.033	0.0023	0.0020	0.28	180	0.25	170
2/2/2007	7.70	ND	1,598	1,100	51	11	5.9	2.8	340	ND	0.017	0.026	0.0023	ND	0.26	240	0.22	140
5/4/2007	7.83	80	1,407	1,000	95	25	7.9	2.9	300	ND	0.0051	0.048	0.0028	0.0042	0.23	220	0.24	130
8/3/2007	7.43	13	1,335	940	110	29	9.1	2.1	240	ND	0.0014	0.034	0.0027	0.0026	0.17	230	0.22	85
11/9/2007	7.50	ND	1,411	1,000	130	32	11	2.2	280	ND	0.0040	0.037	0.0037	0.0033	0.17	230	0.26	100
2/7/2008	7.01	23	313	460	120	36	6.7	2.7	47	ND	0.0048	0.037	0.0017	0.023	0.074	94	ND	54
4/21/2008	7.62	ND	1,390	770	87	25	5.9	0.86	270	ND	0.0061	0.044	0.0046	0.0092	0.18	240	0.21	120
8/22/2008	7.66	ND	1,486	860	87	23	7.3	1.5	270	ND	0.0071	NA	NA	NA	0.18	210	NA	96
11/19/2008	7.70	4.0	1,474	830	63	17	6.6	1.3	270	ND	0.008	NA	NA	NA	0.19	210	NA	93
11/19/2008	7.70	2.0	1,474	840	76	19	7.0	1.5	270	0.011	0.0076	NA	NA	NA	0.18	210	NA	98
2/9/2009	7.75	ND	1,361	730	110	28	8.6	2.2	240	ND	ND	NA	NA	NA	0.16	220	NA	80
2/9/2009	7.75	ND	1,361	720	100	27	8.2	2.3	240	ND	ND	NA	NA	NA	0.17	220	NA	79
4/16/2009	7.64	2	1,345	780	99	26	8.2	2.0	270	ND	ND	NA	NA	NA	0.22	250	NA	85
7/27/2009	7.64	ND	1,655	930	110	29	10	2.0	306	ND	ND	NA	NA	NA	0.17	286	NA	87

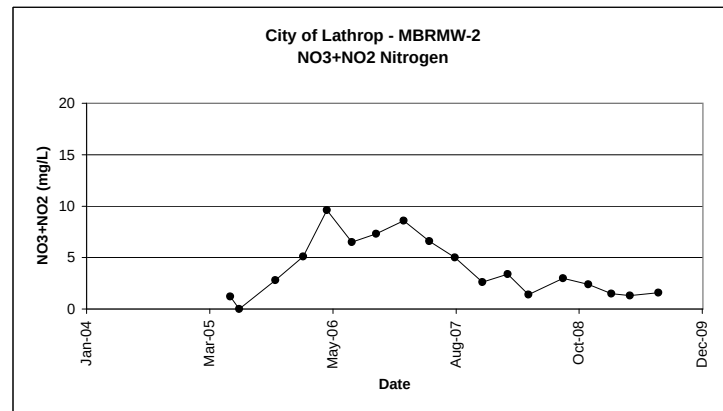
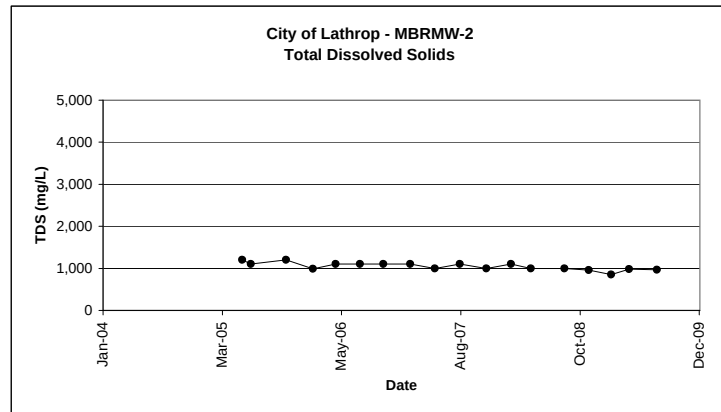
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NA is "not analyzed".



MBRMW-1 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/26/2005	0.724	0.0561	0.69	ND	ND	ND	ND	0.46	0.11	ND	ND	NA	380	464	ND	1.1	ND	ND	0.81
6/27/2005	ND	0.390	1.1	ND	ND	ND	ND	0.44	ND	ND	0.78	NA	440	537	ND	ND	ND	ND	ND
11/3/2005	0.0065	0.092	0.60	0.0005	ND	ND	0.94	0.19	ND	ND	ND	NA	360	440	ND	ND	ND	ND	ND
2/10/2006	0.0074	0.083	0.70	ND	ND	ND	0.81	0.94	ND	ND	ND	NA	340	410	ND	ND	ND	ND	ND
5/5/2006	0.0077	0.012	0.93	0.00021	ND	ND	0.40	0.54	ND	2.4	2.2	NA	435	530	ND	ND	ND	ND	ND
8/2/2006	0.0089	0.075	0.61	0.0010	ND	ND	0.93	0.77	ND	0.62	0.62	NA	520	630	ND	ND	0.10	0.33	ND
10/27/2006	ND	0.070	0.65	0.00070	ND	ND	0.025	0.30	ND	1.5	1.5	NA	400	490	ND	ND	1.6	5.1	0.66
10/27/2006	ND	0.071	0.65	0.00063	ND	ND	0.027	0.28	ND	1.5	1.5	NA	410	500	ND	ND	1.6	5.2	0.65
2/2/2007	0.0055	0.072	0.62	0.00050	ND	ND	1.1	0.14	ND	3.1	2.8	NA	310	380	NA	ND	1.4	3.4	0.97
5/4/2007	ND	0.079	0.61	0.00030	ND	ND	0.92	ND	ND	3.7	3.6	NA	350	420	NA	ND	4.2	13	1.3
8/3/2007	ND	0.055	0.53	0.00080	ND	ND	0.70	ND	ND	3.5	3.5	NA	250	300	NA	ND	1.6	8.6	0.26
11/9/2007	ND	0.063	0.65	0.00030	ND	ND	0.86	0.29	0.10	2.1	1.9	NA	280	340	NA	ND	0.10	6.4	ND
2/7/2008	ND	0.016	0.12	0.0012	ND	ND	0.31	ND	ND	1.7	1.7	NA	98	120	NA	ND	ND	0.54	ND
4/21/2008	ND	0.061	0.52	0.00055	ND	ND	0.66	0.34	ND	ND	ND	NA	290	360	NA	ND	ND	2.1	ND
8/22/2008	NA	NA	0.58	NA	NA	NA	NA	ND	ND	5.7	5.7	NA	300	370	NA	ND	ND	2.3	ND
11/19/2008	NA	NA	0.61	NA	NA	NA	NA	ND	ND	6.7	6.7	NA	280	340	NA	ND	ND	6.1	ND
11/19/2008	NA	NA	0.60	NA	NA	NA	NA	ND	ND	6.3	6.3	NA	310	340	NA	ND	ND	5.1	ND
2/9/2009	NA	NA	0.50	NA	NA	NA	NA	0.30	ND	3.3	3.2	NA	250	290	NA	ND	0.21	14	ND
2/9/2009	NA	NA	0.51	NA	NA	NA	NA	0.31	ND	2.5	2.5	NA	270	310	NA	ND	0.23	14	ND
4/16/2009	NA	NA	0.49	NA	NA	NA	NA	0.26	ND	2.6	2.6	NA	270	300	NA	ND	ND	8.6	ND
7/27/2009	NA	NA	0.50	NA	NA	NA	NA	ND	ND	2.3	2.3	NA	300	360	ND	ND	ND	6.1	ND

MBRMW-2																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/26/2005	7.99	> 1,600	1,700	1,200	NA	42	25	ND	358	0.58	0.23	0.350	ND	0.0414	ND	270	ND	240
6/27/2005	8.40	80	1,400	1,100	NA	15	8.1	ND	280	0.64	0.11	0.310	ND	ND	ND	48	ND	300
11/3/2005	7.71	4	1,812	1,200	220	49	25	4.8	310	ND	0.57	0.053	0.0030	ND	0.40	86	0.40	330
2/10/2006	7.82	ND	1,765	990	250	55	27	5.9	310	ND	0.62	0.058	0.0034	ND	0.38	74	0.43	330
5/5/2006	7.38	27	1,628	1,100	260	61	26	4.4	330	ND	0.96	0.087	0.0041	ND	0.37	56	0.42	290
8/2/2006	7.22	ND	1,613	1,100	240	57	23	3.5	300	ND	0.98	0.080	0.0012	ND	0.27	54	0.36	270
10/27/2006	7.39	2	1,586	1,100	210	50	21	4.5	310	ND	0.48	0.079	0.0017	0.0032	0.31	53	0.47	380
2/2/2007	7.75	ND	1,554	1,100	190	42	20	4.3	310	ND	0.68	0.072	0.00091	ND	0.27	54	0.44	280
5/4/2007	7.78	17	1,567	1,000	190	46	18	3.8	310	ND	0.77	0.082	0.00099	ND	0.28	53	0.41	300
8/3/2007	7.70	2	1,561	1,100	190	47	17	3.2	290	ND	1.10	0.075	0.0012	ND	0.27	52	0.47	310
11/9/2007	7.60	ND	1,556	1,000	180	45	17	3.2	310	ND	1.00	0.075	0.0011	ND	0.25	54	0.49	340
2/7/2008	7.80	ND	1,584	1,100	180	43	18	2.8	310	ND	0.70	0.076	0.0016	ND	0.27	53	0.44	330
4/21/2008	7.66	ND	1,638	1,000	160	39	15	0.47	280	ND	0.68	0.072	0.0016	0.0021	0.26	63	0.45	340
8/22/2008	7.76	ND	1,619	1,000	170	41	17	2.7	290	ND	0.57	NA	NA	NA	0.29	55	NA	310
11/19/2008	7.87	2	1,565	960	160	38	15	2.4	290	ND	0.74	NA	NA	NA	0.26	54	NA	310
2/9/2009	7.89	8	1,522	850	150	37	15	2.6	280	ND	0.87	NA	NA	NA	0.24	51	NA	300
4/16/2009	7.79	ND	1,536	980	150	36	15	2.4	310	ND	0.84	NA	NA	NA	0.27	61	NA	310
7/27/2009	7.88	ND	1,541	970	150	36	14	2.0	310	ND	0.60	NA	NA	NA	0.17	63	NA	310

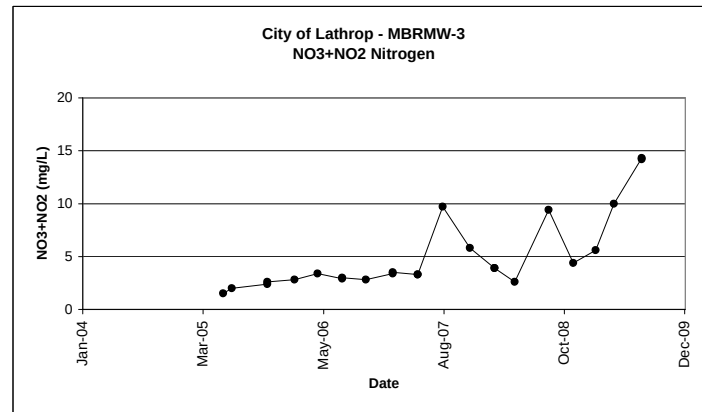
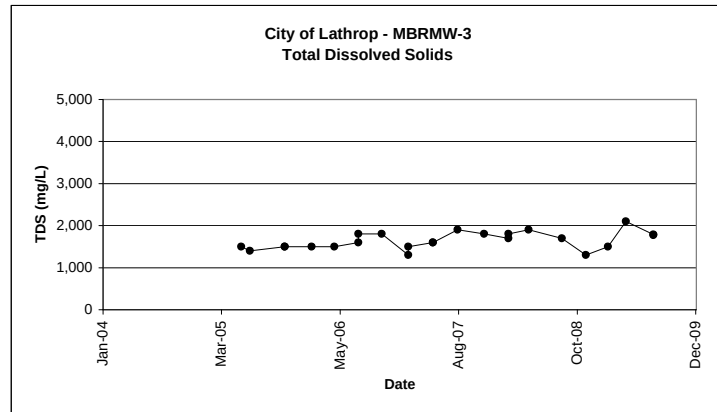
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NA is "not analyzed".



MBRMW-2 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/26/2005	0.693	0.03	0.92	ND	ND	ND	ND	0.64	0.2	1.2	1.2	NA	350	427	ND	ND	ND	ND	ND
6/27/2005	0.390	0.38	0.61	ND	ND	ND	ND	0.16	ND	ND	ND	NA	350	427	ND	ND	ND	ND	ND
11/3/2005	0.0060	0.044	0.69	ND	ND	ND	0.59	0.81	ND	2.8	2.8	NA	490	600	ND	ND	ND	ND	ND
2/10/2006	0.0074	0.045	0.78	ND	ND	ND	0.58	ND	ND	5.1	5.1	NA	440	540	ND	ND	ND	ND	ND
5/5/2006	0.0055	0.042	0.74	ND	ND	ND	0.23	ND	ND	9.6	9.3	NA	490	600	ND	ND	ND	ND	ND
8/2/2006	0.0072	0.043	0.68	ND	ND	ND	0.62	ND	ND	6.5	6.2	NA	480	580	ND	ND	ND	ND	ND
10/27/2006	0.0053	0.044	0.71	0.0002	ND	ND	0.024	ND	ND	7.3	7.3	NA	460	560	ND	ND	ND	ND	ND
2/2/2007	0.0052	0.046	0.70	ND	ND	ND	0.91	ND	ND	8.6	8.2	NA	450	560	NA	ND	ND	ND	ND
5/4/2007	ND	0.050	0.72	ND	ND	ND	0.74	ND	ND	6.6	6.4	NA	510	630	NA	ND	ND	ND	ND
8/3/2007	ND	0.049	0.65	ND	ND	ND	0.70	ND	ND	5.0	4.8	NA	470	570	NA	ND	ND	ND	ND
11/9/2007	ND	0.060	0.66	ND	ND	ND	0.80	0.23	0.13	2.6	2.4	NA	450	550	NA	ND	ND	ND	ND
2/7/2008	ND	0.052	0.62	0.0002	ND	ND	0.74	0.18	ND	3.4	3.2	NA	470	570	NA	ND	ND	ND	ND
4/21/2008	ND	0.06	0.57	0.00037	ND	ND	0.72	0.29	ND	1.4	1.3	NA	420	510	NA	ND	ND	ND	ND
8/22/2008	NA	NA	0.65	NA	NA	NA	NA	0.14	ND	3.0	2.8	NA	420	510	NA	ND	ND	ND	ND
11/19/2008	NA	NA	0.66	NA	NA	NA	NA	0.21	ND	2.4	2.2	NA	430	460	NA	ND	ND	ND	ND
2/9/2009	NA	NA	0.65	NA	NA	NA	NA	0.26	ND	1.5	1.4	NA	500	510	NA	ND	ND	ND	ND
4/16/2009	NA	NA	0.67	NA	NA	NA	NA	0.19	ND	1.3	1.3	NA	440	500	NA	ND	ND	ND	ND
7/27/2009	NA	NA	0.60	NA	NA	NA	NA	ND	ND	1.6	1.6	NA	400	490	ND	ND	ND	ND	ND

MBRMW-3																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/26/2005	8.44	> 1,600	2,100	1,500	NA	8.5	5.8	2.9	538	ND	0.061	0.285	ND	0.020	ND	190	ND	360
6/27/2005	8.39	240	2,200	1,400	NA	7.3	4.3	ND	450	0.32	ND	ND	ND	ND	ND	140	ND	350
11/3/2005	8.53	23	2,552	1,500	36	6.9	4.7	2.1	570	ND	0.023	0.018	0.0023	ND	0.62	140	0.28	350
11/3/2005	8.53	11	2,552	1,500	35	7.0	4.8	2.4	590	ND	0.024	0.018	0.0026	ND	0.60	140	0.28	350
2/10/2006	8.60	ND	2,426	1,500	33	6.2	4.3	3.2	560	ND	0.027	0.016	0.0025	ND	0.54	130	0.30	360
5/5/2006	8.27	900	2,492	1,500	32	5.7	4.3	3.3	670	ND	0.038	0.020	0.0024	ND	0.61	140	0.27	380
8/2/2006	7.34	ND	2,779	1,600	65	13	7.8	3.0	670	0.044	0.020	0.035	0.0023	ND	0.69	150	0.20	340
8/2/2006	7.34	ND	2,779	1,800	73	15	8.7	2.1	700	ND	0.0079	0.037	0.0023	ND	0.68	150	0.18	340
10/27/2006	7.94	ND	2,610	1,800	54	11	6.6	5.0	680	ND	0.0028	0.031	0.0027	ND	0.68	150	0.31	360
2/2/2007	8.40	2	2,518	1,300	38	6.4	5.3	3.5	660	ND	0.0029	0.022	0.0017	ND	0.59	150	0.25	350
2/2/2007	8.40	ND	2,518	1,500	38	6.7	5.2	4.5	630	ND	0.0033	0.021	0.0017	ND	0.63	140	0.25	360
5/4/2007	8.18	ND	2,547	1,600	41	8.0	5.2	1.9	590	ND	0.00022	0.023	0.0016	ND	0.63	150	0.28	370
5/4/2007	8.18	ND	2,547	1,600	41	8.0	5.2	1.8	590	ND	0.00022	0.023	0.0015	ND	0.61	150	0.27	370
8/3/2007	7.61	2	2,833	1,900	71	15	8.5	4.9	700	ND	0.0029	0.037	0.0021	ND	0.69	180	0.20	380
11/9/2007	7.50	ND	2,690	1,800	77	16	9.2	4.3	620	ND	0.0007	0.040	0.0018	ND	0.59	160	0.27	350
2/7/2008	8.30	ND	2,490	1,700	43	8.4	5.5	1.7	580	ND	0.00054	0.022	0.0021	ND	0.54	130	0.28	310
2/7/2008	8.30	ND	2,490	1,800	43	8.4	5.4	1.7	590	ND	0.00037	0.021	0.0021	ND	0.54	140	0.27	320
4/21/2008	7.38	ND	3,023	1,900	160	34	19	ND	630	ND	0.00021	0.057	0.0027	0.002	0.74	220	0.19	390
8/22/2008	7.44	2	2,823	1,700	170	35	20	2.2	600	ND	ND	NA	NA	NA	0.75	170	NA	350
11/19/2008	7.80	4	2,398	1,300	95	20	11	1.9	540	ND	ND	NA	NA	NA	0.51	140	NA	260
2/9/2009	7.68	ND	2,460	1,500	120	24	14	2.2	560	ND	ND	NA	NA	NA	0.54	140	NA	250
4/16/2009	7.40	ND	2,638	2,100	180	36	21	2.1	610	ND	ND	NA	NA	NA	0.67	160	NA	280
7/27/2009	7.27	ND	2,735	1,790	170	37	19	2.0	612	ND	ND	NA	NA	NA	0.44	170	NA	290
7/27/2009	7.27	ND	2,735	1,770	170	36	19	2.0	614	ND	ND	NA	NA	NA	0.45	170	NA	290

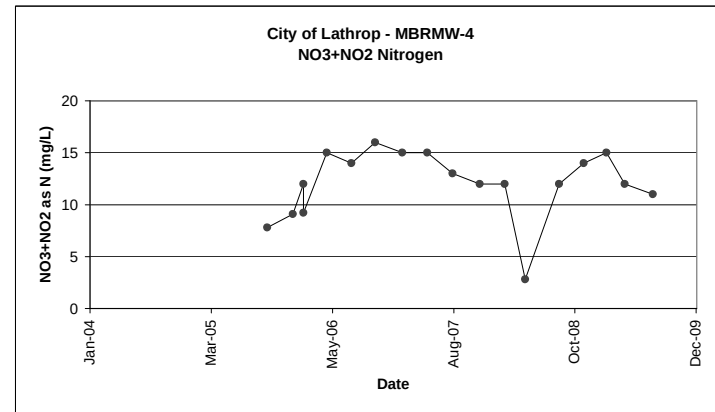
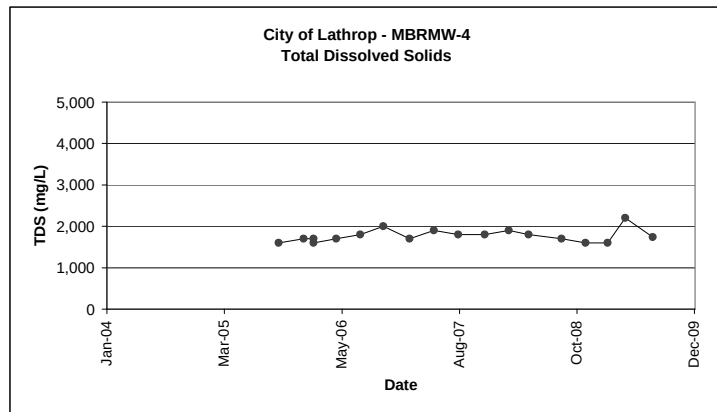
ND is "not detected".
NA is "not analyzed".



MBRMW-3 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibro-mochloro-methane (ug/L)
5/26/2005	0.394	0.19	1.1	ND	ND	ND	ND	0.39	ND	1.5	NA	NA	750	915	ND	2.1	ND	ND	1.3
6/27/2005	ND	0.49	1.1	ND	ND	ND	ND	0.30	0.1	2.0	2.0	NA	640	780	ND	ND	ND	ND	ND
11/3/2005	0.0076	0.30	1.2	0.010	ND	ND	3.8	0.20	ND	2.4	2.4	NA	810	980	ND	ND	ND	ND	ND
11/3/2005	0.0072	0.30	1.3	0.009	ND	ND	3.8	0.15	ND	2.6	2.6	NA	760	930	ND	ND	ND	ND	ND
2/10/2006	0.0088	0.31	1.3	0.0035	ND	ND	3.3	0.40	ND	2.8	2.8	NA	680	830	ND	ND	ND	ND	ND
5/5/2006	0.0089	0.26	1.3	0.00041	ND	ND	4.5	0.58	ND	3.4	3.4	NA	700	855	ND	ND	ND	ND	ND
8/2/2006	0.0082	0.16	1.3	0.015	ND	ND	2.1	ND	ND	2.9	2.9	NA	900	1,100	ND	ND	ND	ND	ND
8/2/2006	0.0080	0.14	1.4	0.016	ND	ND	2.2	0.43	ND	3.0	3.0	NA	890	1,100	ND	ND	ND	ND	ND
10/27/2006	0.0057	0.16	1.4	0.0075	ND	ND	0.05	0.11	ND	2.8	2.8	NA	780	950	ND	ND	ND	ND	ND
2/2/2007	0.0062	0.21	1.3	0.0017	ND	ND	2.2	0.73	ND	3.4	3.4	NA	720	850	NA	ND	ND	ND	ND
2/2/2007	0.0067	0.21	1.3	0.0019	ND	ND	2.1	0.50	ND	3.5	3.5	NA	720	850	NA	ND	ND	ND	ND
5/4/2007	ND	0.20	1.3	0.0028	ND	ND	2.3	ND	ND	3.3	3.3	NA	830	980	NA	ND	ND	ND	ND
5/4/2007	ND	0.20	1.3	0.0028	ND	ND	2.3	ND	ND	3.3	3.3	NA	830	980	NA	ND	ND	ND	ND
8/3/2007	ND	0.10	1.3	0.015	ND	ND	1.9	ND	ND	9.7	9.6	NA	890	1,100	NA	ND	ND	ND	ND
11/9/2007	0.0078	0.14	1.3	0.011	ND	ND	2.7	ND	ND	5.8	5.8	NA	750	910	NA	ND	ND	ND	ND
2/7/2008	ND	0.22	1.1	0.0017	ND	ND	4.0	0.17	ND	3.9	3.9	NA	850	990	NA	ND	ND	ND	ND
2/7/2008	ND	0.21	1.1	0.0018	ND	ND	3.9	ND	ND	3.9	3.8	NA	850	990	NA	ND	ND	ND	ND
4/21/2008	ND	0.078	1.2	0.025	ND	ND	1.6	ND	ND	2.6	2.6	NA	940	1,100	NA	ND	ND	ND	ND
8/22/2008	NA	NA	1.3	NA	NA	NA	NA	ND	ND	9.4	9.4	NA	910	1,100	NA	ND	ND	ND	ND
11/19/2008	NA	NA	1.3	NA	NA	NA	NA	ND	ND	4.4	4.4	NA	850	980	NA	ND	ND	ND	ND
2/9/2009	NA	NA	1.2	NA	NA	NA	NA	ND	ND	5.6	5.6	NA	930	1,100	NA	ND	ND	ND	ND
4/16/2009	NA	NA	1.2	NA	NA	NA	NA	ND	ND	10	10	NA	990	1,200	NA	ND	ND	ND	ND
7/27/2009	NA	NA	1.2	NA	NA	NA	NA	ND	ND	14.3	14.3	NA	940	1,150	ND	ND	ND	ND	ND
7/27/2009	NA	NA	1.2	NA	NA	NA	NA	1.41	ND	14.2	14.2	NA	940	1,150	ND	ND	ND	ND	ND

MBRMW-4																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
10/3/2005	8.28	>1600	2,820	1,600	NA	24	11	3.8	500	1.5	0.12	0.046	ND	ND	1.1	240	0.48	550
1/3/2006	8.15	30	2,600	1,700	NA	14	7.8	2.0	570	ND	0.15	ND	ND	ND	1.0	110	0.43	310
2/10/2006	8.25	ND	2,787	1,700	73	15	8.7	3.6	610	ND	0.14	0.018	0.0041	ND	0.94	190	0.44	540
2/10/2006	8.25	ND	2,787	1,600	72	15	8.5	5.3	600	ND	0.18	0.021	0.0038	ND	0.91	190	0.44	540
5/5/2006	7.83	13	2,744	1,700	72	15	8.4	3.7	680	ND	0.13	0.024	0.0043	ND	0.96	190	0.42	500
8/2/2006	7.65	13	2,776	1,800	66	14	7.8	2.4	640	0.038	0.14	0.022	0.0034	ND	1.0	200	0.38	540
10/27/2006	7.89	ND	2,754	2,000	68	13	7.8	4.3	690	ND	0.12	0.025	0.0040	ND	1.0	200	0.49	550
2/2/2007	8.10	ND	2,735	1,700	66	13	8.3	4.2	670	ND	0.14	0.023	0.0028	ND	1.0	210	0.38	560
5/4/2007	8.06	ND	2,749	1,900	69	14	8.1	2.8	620	ND	0.13	0.027	0.0029	ND	1.1	200	0.38	550
8/3/2007	8.04	4	2,739	1,800	16	14	7.8	3.1	630	ND	0.15	0.024	0.0030	ND	1.0	210	0.43	570
11/9/2007	8.00	ND	2,734	1,800	67	14	7.9	3.3	600	ND	0.15	0.027	0.0028	ND	1.1	200	0.46	530
2/7/2008	8.07	ND	2,791	1,900	66	13	7.9	1.8	630	ND	0.11	0.025	0.0032	ND	0.96	200	0.43	540
4/21/2008	8.04	ND	2,774	1,800	62	13	7.3	ND	580	ND	0.064	0.027	0.0032	ND	1.0	220	0.42	520
8/22/2008	8.03	ND	2,727	1,700	NA	14	ND	1.6	600	ND	0.13	NA	NA	NA	1.1	210	NA	530
11/19/2008	8.15	ND	2,837	1,600	72	15	8.3	1.7	590	ND	0.21	NA	NA	NA	1.0	240	NA	520
2/9/2009	8.19	8	2,713	1,600	60	13	7.9	1.5	600	ND	0.15	NA	NA	NA	1.1	230	NA	530
4/16/2009	8.04	ND	2,755	2,200	70	14	8.5	1.7	650	ND	0.11	NA	NA	NA	1.1	240	NA	560
7/27/2009	7.89	ND	2,741	1,740	70	14	8.0	1.0	577	ND	0.13	NA	NA	NA	0.76	230	NA	580

ND is "not detected".
NA is "not analyzed".



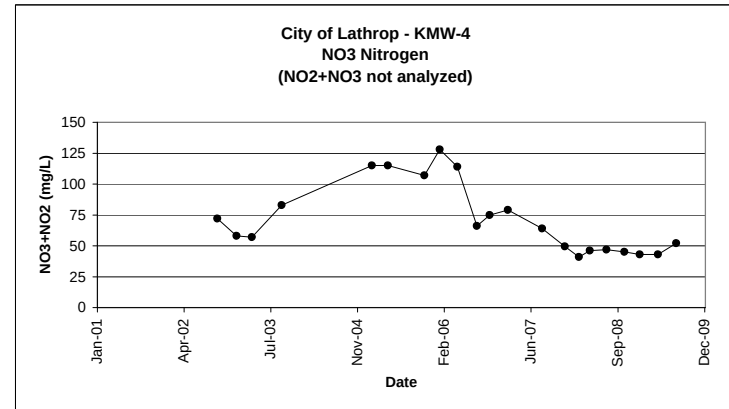
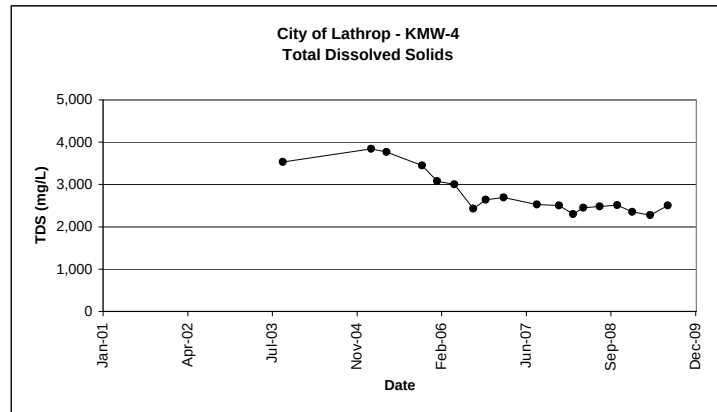
MBRMW-4 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
10/3/2005	1.7	0.14	0.96	ND	ND	ND	3.7	0.92	0.13	7.8	7.2	NA	500	622	ND	ND	ND	ND	ND
1/3/2006	ND	0.22	1.0	ND	ND	ND	4.8	0.87	ND	9.1	8.7	NA	490	598	ND	ND	ND	ND	ND
2/10/2006	0.0094	0.25	1.2	0.0003	ND	ND	1.9	0.43	ND	12	12	NA	510	620	ND	ND	ND	ND	ND
2/10/2006	0.0084	0.24	1.2	ND	ND	ND	1.7	0.49	ND	9.2	9.2	NA	490	600	ND	ND	ND	ND	ND
5/5/2006	0.0080	0.24	1.1	0.00054	ND	ND	2.0	ND	ND	15	15	NA	530	645	ND	ND	ND	ND	ND
8/2/2006	0.010	0.25	1.0	0.00030	ND	ND	1.8	0.63	ND	14	14	NA	500	600	ND	ND	ND	ND	ND
10/27/2006	ND	0.22	1.2	0.00056	ND	ND	0.013	ND	ND	16	16	NA	490	600	ND	ND	ND	ND	ND
2/2/2007	0.0071	0.20	1.1	ND	ND	ND	1.6	ND	ND	15	14	NA	500	610	NA	ND	ND	ND	ND
5/4/2007	0.0056	0.22	1.2	ND	ND	ND	1.4	0.23	ND	15	14	NA	570	690	NA	ND	ND	ND	ND
8/3/2007	0.0058	0.19	1.1	ND	ND	ND	2.1	ND	ND	13	13	NA	510	630	NA	ND	ND	ND	ND
11/9/2007	0.0065	0.22	1.1	ND	ND	ND	1.9	ND	0.12	12	12	NA	500	620	NA	ND	ND	ND	ND
2/7/2008	ND	0.23	1.0	0.00046	ND	ND	2.2	ND	ND	12	12	NA	540	660	NA	ND	ND	ND	ND
4/21/2008	ND	0.23	1.0	0.00051	ND	ND	1.8	0.38	ND	2.8	2.5	NA	500	610	NA	ND	ND	ND	ND
8/22/2008	NA	NA	1.1	NA	NA	NA	NA	0.16	ND	12	11	NA	510	620	NA	ND	ND	ND	ND
11/19/2008	NA	NA	1.1	NA	NA	NA	NA	ND	ND	14	13	NA	520	580	NA	ND	ND	ND	ND
2/9/2009	NA	NA	1.1	NA	NA	NA	NA	0.12	ND	15	14	NA	530	540	NA	ND	ND	ND	ND
4/16/2009	NA	NA	1.1	NA	NA	NA	NA	ND	ND	12	11	NA	520	550	NA	ND	ND	ND	ND
7/27/2009	NA	NA	1.1	NA	NA	NA	NA	ND	ND	11	10.6	NA	490	590	ND	ND	ND	ND	ND

KMW-4																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
10/11/2002	7.00	ND	NA	NA	NA	336	129	7.3	510	0.01	4.0	NA	NA	NA	NA	230	NA	1,200
1/24/2003	7.82	ND	NA	NA	NA	280	110	10	460	ND	1.7	NA	NA	NA	NA	210	NA	1,450
4/16/2003	7.16	ND	NA	NA	NA	290	124	5.5	500	ND	2.3	NA	NA	NA	NA	200	NA	1,530
9/24/2003	6.80	NA	NA	3,530	NA	286	145	7.0	556	1.1	3.6	0.06	NA	NA	NA	248	NA	1,460
1/25/2005	7.20	ND	NA	3,840	NA	NA	NA	NA	561	122	6.6	NA	NA	NA	NA	244	NA	NA
4/21/2005	7.30	ND	NA	3,770	NA	340	162	7.0	508	3.3	1.3	0.06	NA	NA	NA	207	NA	1,460
11/4/2005	7.5	ND	NA	3,450	NA	NA	NA	NA	501	0.49	1.4	NA	NA	NA	NA	200	NA	NA
1/26/2006	7.2	ND	NA	3,080	NA	NA	NA	NA	427	0.14	1.76	NA	NA	NA	NA	216	NA	NA
5/1/2006	7.0	ND	3,920	3,000	1,260	289	132	7.0	468	0.11	1.44	0.0385	NA	NA	NA	310	NA	900
8/15/2006	6.9	ND	3,230	2,430	NA	NA	NA	NA	503	13.9	1.53	NA	NA	NA	NA	460	NA	NA
10/23/2006	7.1	6.9	3,430	2,640	NA	NA	NA	NA	528	1.12	1.47	NA	NA	NA	NA	380	NA	NA
1/30/2007	7.2	6.9	3,460	2,690	NA	NA	NA	NA	503	0.67	1.73	NA	NA	NA	NA	380	NA	NA
4/30/2007	--	2.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/2/2007	7.0	ND	3,430	2,530	NA	NA	NA	NA	498	0.41	1.40	NA	NA	NA	NA	430	NA	NA
12/3/2007	7.4	5.1	3,290	2,500	NA	NA	NA	NA	477	0.40	1.39	NA	NA	NA	NA	340	NA	NA
2/18/2008	7.0	ND	2,500	2,300	NA	NA	NA	NA	404	0.27	1.21	NA	NA	NA	NA	280	NA	NA
4/16/2008	7.2	ND	2,910	2,450	979	221	104	7.0	413	0.17	0.33	0.036	NA	NA	NA	320	NA	690
7/15/2008	6.95	ND	3,000	2,480	NA	NA	NA	NA	391	0.47	1.17	NA	NA	NA	NA	370	NA	NA
10/20/2008	7.09	ND	5,911	2,510	NA	NA	NA	NA	443	0.33	1.65	NA	NA	NA	NA	330	NA	NA
1/12/2009	7.01	ND	3,020	2,350	NA	NA	NA	NA	460	0.29	1.45	NA	NA	NA	NA	290	NA	NA
4/20/2009	6.92	ND	2,857	2,280	877	195	95	7.0	470	0.25	0.43	0.038	NA	NA	NA	250	NA	810
7/27/2009	6.58	1.1	3222	2500	NA	NA	NA	NA	482	0.32	1.17	NA	NA	NA	NA	320	NA	NA

ND is "not detected".

NA is "not analyzed".

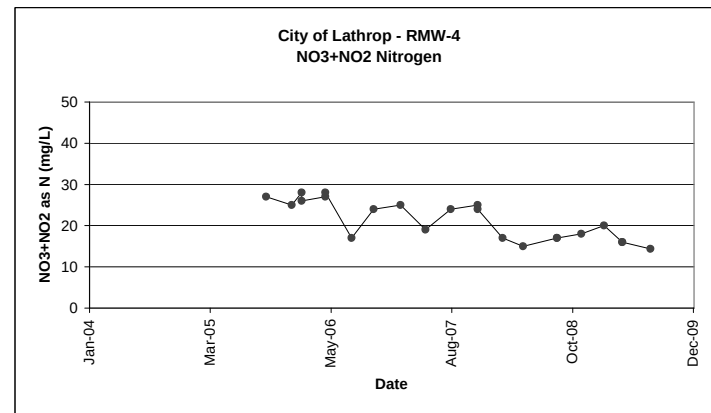
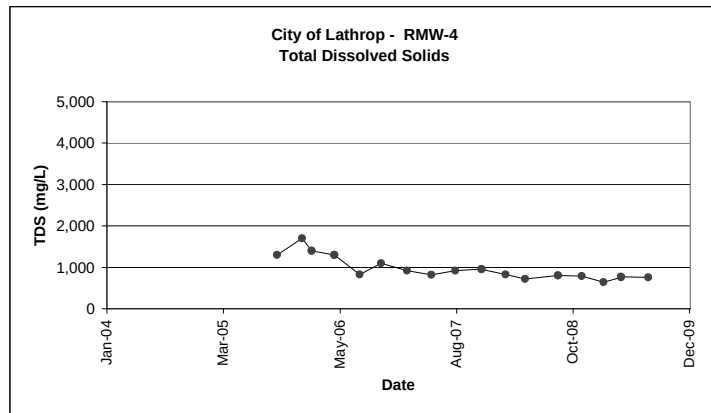
"--" represents data not available from the Crossroads Wastewater Treatment Facility at the time of reporting.



KMW-4 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
10/11/2002	NA	NA	1.4	NA	NA	NA	NA	0.6	0.6	NA	72	ND	575	700	ND	ND	ND	ND	ND
1/24/2003	NA	NA	1.6	NA	NA	NA	NA	1.4	0.3	NA	58	ND	560	683	ND	ND	3.8	13.2	2.9
4/16/2003	NA	NA	1.5	NA	NA	NA	NA	2.3	0.9	NA	57	ND	580	708	ND	ND	ND	ND	ND
9/24/2003	NA	NA	NA	NA	NA	NA	NA	1.0	0.4	NA	83	ND	50	60	ND	ND	ND	1.3	ND
1/25/2005	NA	NA	1.3	NA	NA	NA	NA	1.0	0.2	NA	115	ND	NA	NA	ND	ND	ND	ND	ND
4/21/2005	NA	NA	1.4	NA	NA	NA	NA	ND	ND	NA	115	ND	580	710	ND	ND	ND	ND	ND
11/4/2005	NA	NA	NA	NA	NA	NA	NA	0.8	ND	NA	107	0.1	NA	NA	ND	ND	ND	ND	ND
1/26/2006	NA	NA	1.6	NA	NA	NA	NA	0.8	ND	NA	128	0.18	NA	NA	ND	ND	ND	ND	ND
5/1/2006	NA	NA	1.3	NA	NA	NA	ND	ND	ND	NA	114	ND	550	680	ND	ND	ND	ND	ND
8/15/2006	NA	NA	0.9	NA	NA	NA	NA	0.6	ND	NA	66	ND	NA	NA	NA	ND	ND	ND	ND
10/23/2006	NA	NA	1.2	NA	NA	NA	NA	0.5	ND	NA	75	0.2	NA	NA	NA	ND	ND	ND	ND
1/30/2007	NA	NA	1.2	NA	NA	NA	NA	0.6	0.5	NA	79	ND	NA	NA	NA	ND	ND	ND	ND
4/30/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/2/2007	NA	NA	1.2	NA	NA	NA	NA	ND	ND	NA	64	ND	NA	NA	NA	ND	ND	ND	ND
12/3/2007	NA	NA	1.2	NA	NA	NA	NA	ND	ND	NA	49.5	0.1	NA	NA	NA	ND	ND	ND	ND
2/18/2008	NA	NA	1.4	NA	NA	NA	NA	ND	0.3	NA	41.0	ND	NA	NA	NA	ND	ND	ND	ND
4/16/2008	NA	NA	1.5	NA	NA	NA	NA	1.5	ND	NA	46	ND	570	690	NA	ND	ND	ND	ND
7/15/2008	NA	NA	1.4	NA	NA	NA	NA	4.6	ND	47	47	ND	NA	NA	NA	ND	ND	ND	ND
10/20/2008	NA	NA	1.4	NA	NA	NA	NA	1.0	1.0	45	45	ND	NA	NA	NA	ND	ND	ND	ND
1/12/2009	NA	NA	1.4	NA	NA	NA	NA	0.6	ND	43	43	ND	NA	NA	NA	ND	ND	ND	ND
4/20/2009	NA	NA	1.4	NA	NA	NA	NA	ND	ND	NA	43	ND	550	670	ND	ND	ND	ND	ND
7/27/2009	NA	NA	1.5	NA	NA	NA	NA	ND	ND	52	52	ND	NA	NA	NA	ND	ND	ND	ND

RMW-4																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
10/2/2005	7.57	> 1,600	2,000	1,300	NA	110	59	5.8	240	ND	0.43	0.31	ND	ND	0.48	150	0.19	210
1/3/2006	7.37	ND	1,800	1,700	NA	98	51	4.5	250	ND	0.18	0.34	ND	ND	0.41	140	ND	220
2/8/2006	7.33	2	2,173	1,400	500	110	53	12	300	ND	0.48	0.41	0.0098	0.0046	0.46	150	0.18	230
2/8/2006	7.33	ND	2,173	1,400	490	110	52	8.8	290	ND	0.44	0.41	0.0096	0.0054	0.43	150	0.18	220
5/5/2006	7.01	22	1,985	1,300	500	110	55	6.8	330	ND	0.24	330	0.010	0.0087	0.42	140	0.18	200
5/5/2006	7.01	80	1,985	1,300	500	110	55	6.3	330	ND	0.23	330	0.011	0.010	0.54	150	0.17	200
8/8/2006	6.94	2	1,254	830	410	77	52	2.7	120	ND	0.00077	0.25	0.0023	0.0024	0.17	64	0.32	110
10/27/2006	7.09	ND	1,460	1,100	420	79	54	3.4	130	ND	0.00056	0.33	0.0040	0.0046	0.24	80	0.41	140
2/2/2007	7.18	ND	1,444	920	480	83	65	4.1	150	ND	ND	0.32	0.0033	ND	0.23	82	0.33	140
5/4/2007	7.31	11	1,232	820	420	77	54	2.7	120	ND	0.00051	0.28	0.0024	ND	0.17	57	0.32	110
8/3/2007	7.18	7	1,326	920	450	84	58	2.9	120	ND	0.00098	0.27	0.0037	ND	0.19	62	0.39	120
11/9/2007	7.10	2	1,424	960	500	91	65	3.2	130	ND	0.00056	0.32	0.0036	ND	0.19	70	0.38	130
11/9/2007	7.10	ND	1,424	950	490	90	65	3.5	130	ND	0.0010	0.30	0.0036	ND	0.19	68	0.38	130
2/7/2008	7.26	7	1,151	830	390	69	52	2.4	110	ND	0.00038	0.22	0.0038	0.0040	0.14	42	0.39	84
4/21/2008	7.25	ND	1,150	720	370	67	49	0.90	100	ND	0.00036	0.23	0.0029	0.0064	0.14	52	0.38	97
8/22/2008	7.27	ND	1,292	800	380	78	54	2.3	110	ND	ND	NA	NA	NA	0.16	60	NA	100
8/22/2008	7.27	ND	1,292	800	370	76	52	2.3	110	ND	ND	NA	NA	NA	0.15	57	NA	100
11/19/2008	7.30	ND	1,345	790	440	82	57	2.5	120	ND	ND	NA	NA	NA	0.18	73	NA	110
2/9/2009	7.25	13	1,374	640	460	84	60	2.9	120	ND	ND	NA	NA	NA	0.20	72	NA	120
4/16/2009	7.26	ND	1,247	760	420	73	58	2.2	110	ND	ND	NA	NA	NA	0.17	61	NA	91
4/16/2009	7.26	2	1,247	770	420	74	57	2.7	120	ND	ND	NA	NA	NA	0.16	61	NA	92
7/27/2009	7.53	ND	1,221	760	390	72	51	2.0	114	ND	ND	NA	NA	NA	0.08	62	NA	91

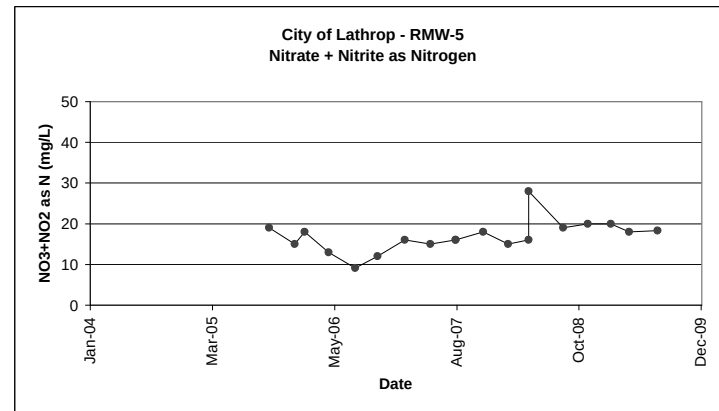
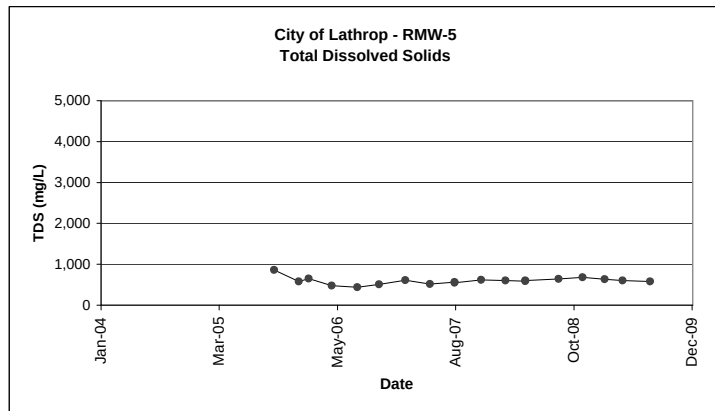
ND is "not detected".
NA is "not analyzed".



RMW-4 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
10/2/2005	ND	0.018	0.39	ND	ND	ND	0.58	ND	ND	27	26	NA	580	708	ND	ND	ND	ND	ND
1/3/2006	ND	0.028	0.39	ND	ND	ND	0.76	0.37	ND	25	25	NA	570	695	ND	ND	ND	ND	ND
2/8/2006	ND	0.034	0.42	0.0014	ND	ND	0.26	ND	ND	28	28	NA	620	760	ND	ND	ND	ND	ND
2/8/2006	0.0051	0.032	0.41	0.0012	ND	ND	0.27	0.19	ND	26	26	NA	620	760	ND	ND	ND	ND	ND
5/5/2006	ND	0.028	0.42	0.001	ND	ND	0.58	ND	ND	27	27	NA	625	760	ND	ND	ND	ND	ND
5/5/2006	0.0050	0.027	0.42	0.001	ND	ND	0.33	ND	ND	28	28	NA	625	760	ND	ND	ND	ND	ND
8/8/2006	0.0059	0.058	0.33	0.0075	ND	ND	0.54	ND	ND	17	17	NA	410	510	ND	ND	ND	ND	ND
10/27/2006	0.0064	0.040	0.30	0.0098	ND	ND	0.014	ND	ND	24	24	NA	460	560	ND	ND	ND	ND	ND
2/2/2007	ND	0.040	0.37	0.010	ND	ND	1.1	ND	ND	25	25	NA	470	580	NA	ND	ND	ND	ND
5/4/2007	ND	0.050	0.33	0.0081	ND	ND	0.72	ND	ND	19	19	NA	480	590	NA	ND	ND	ND	ND
8/3/2007	ND	0.045	0.33	0.0088	ND	ND	0.59	ND	ND	24	24	NA	450	550	NA	ND	ND	ND	ND
11/9/2007	ND	0.050	0.39	0.0092	ND	ND	0.60	ND	ND	25	25	NA	490	600	NA	ND	ND	ND	ND
11/9/2007	ND	0.049	0.39	0.0091	ND	ND	0.62	ND	ND	24	24	NA	490	590	NA	ND	ND	ND	ND
2/7/2008	ND	0.045	0.30	0.0088	ND	ND	0.66	ND	ND	17	17	NA	480	580	NA	ND	ND	ND	ND
4/21/2008	ND	0.046	0.29	0.0078	ND	ND	0.57	ND	ND	15	15	NA	420	510	NA	ND	ND	ND	ND
8/22/2008	NA	NA	0.35	NA	NA	NA	NA	ND	ND	17	17	NA	440	530	NA	ND	ND	ND	ND
8/22/2008	NA	NA	0.34	NA	NA	NA	NA	ND	ND	17	17	NA	440	540	NA	ND	ND	ND	ND
11/19/2008	NA	NA	0.35	NA	NA	NA	NA	ND	ND	18	18	NA	480	580	NA	ND	ND	ND	ND
2/9/2009	NA	NA	0.36	NA	NA	NA	NA	ND	ND	20	20	NA	490	600	NA	ND	ND	ND	ND
4/16/2009	NA	NA	0.33	NA	NA	NA	NA	ND	ND	16	16	NA	450	550	NA	ND	ND	ND	ND
4/16/2009	NA	NA	0.35	NA	NA	NA	NA	ND	ND	16	16	NA	450	550	ND	ND	ND	ND	ND
7/27/2009	NA	NA	0.30	NA	NA	NA	NA	ND	ND	14	14.4	NA	420	510	ND	ND	ND	ND	ND

RMW-5																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
10/3/2005	7.68	900	1,200	860	NA	110	38	5.4	120	ND	ND	0.30	ND	ND	0.49	86	0.14	60
1/3/2006	7.58	8	830	580	NA	73	24	4.0	72	ND	ND	0.16	ND	ND	0.34	58	0.10	40
2/8/2006	7.39	ND	770	650	350	91	29	6.1	82	ND	0.00098	0.22	0.0031	0.0023	0.36	66	0.18	47
5/5/2006	7.05	240	802	480	290	76	25	4.4	68	ND	0.0007	68	0.0032	0.0032	0.22	49	0.18	34
8/8/2006	6.99	ND	645	440	230	61	19	2.9	48	ND	0.016	0.17	ND	ND	0.16	36	0.17	28
10/27/2006	7.19	ND	720	510	280	72	23	4.4	57	ND	0.00065	0.20	0.00083	0.0037	0.21	39	0.25	29
2/2/2007	7.37	ND	997	610	340	89	29	5.4	92	ND	0.0028	0.28	ND	ND	0.32	63	0.19	48
5/4/2007	7.43	ND	782	520	290	76	23	3.9	53	ND	0.00097	0.23	ND	ND	0.21	46	0.19	36
8/3/2007	7.29	4	795	560	290	77	24	4.0	52	ND	0.00049	0.20	ND	ND	0.23	44	0.22	35
8/3/2007	7.29	11	795	550	290	77	23	4.0	51	ND	0.00040	0.20	ND	ND	0.23	48	0.22	37
11/9/2007	7.40	ND	915	620	330	87	27	4.2	61	ND	0.0004	0.23	ND	ND	0.24	57	0.24	52
2/7/2008	7.41	ND	826	600	300	77	25	3.9	56	ND	0.14	0.24	0.0042	0.0035	0.21	45	0.22	43
4/21/2008	7.34	ND	885	590	310	82	25	2.8	56	ND	0.00025	0.25	0.00091	0.0068	0.26	62	0.22	48
4/21/2008	7.34	ND	885	600	310	82	25	2.8	57	ND	0.00023	0.26	0.00099	0.0067	0.25	62	0.23	48
8/22/2008	7.34	ND	981	640	340	90	28	3.9	64	ND	ND	NA	NA	NA	0.30	62	NA	47
11/19/2008	7.40	ND	1,102	680	380	99	31	4.4	78	ND	ND	NA	NA	NA	0.31	69	NA	46
2/9/2009	7.38	2	1,039	630	350	92	30	4.4	77	ND	ND	NA	NA	NA	0.25	62	NA	46
4/16/2009	7.35	ND	919	600	330	87	28	4.2	70	ND	ND	NA	NA	NA	0.25	56	NA	45
7/27/2009	7.69	ND	928	580	310	82	26	4.0	67	ND	ND	NA	NA	NA	0.16	54	NA	45

ND is "not detected".
NA is "not analyzed".

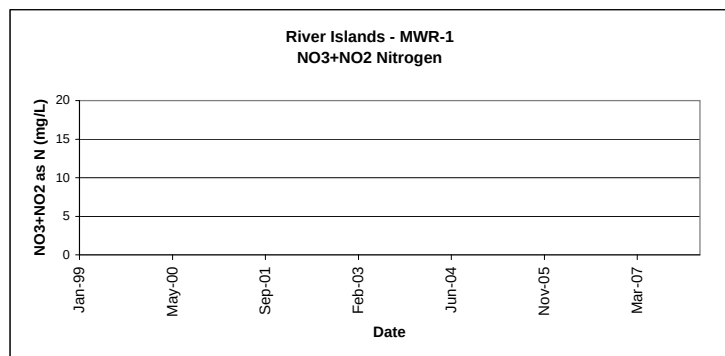
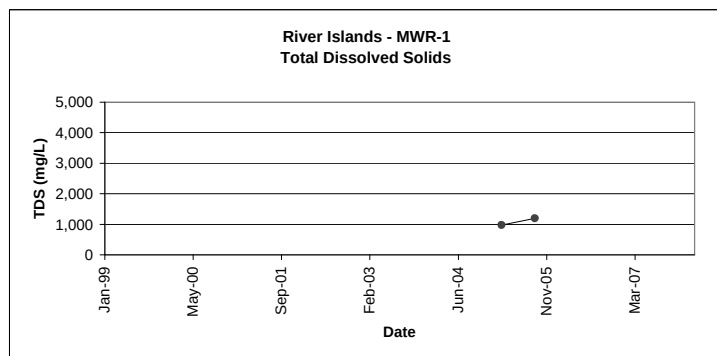


RMW-5 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
10/3/2005	ND	0.0057	0.46	ND	ND	ND	0.29	ND	ND	19	18	NA	490	598	ND	ND	ND	ND	ND
1/3/2006	ND	0.0095	0.31	ND	ND	ND	0.31	0.34	ND	15	15	NA	320	390	ND	ND	ND	ND	ND
2/8/2006	ND	0.011	0.36	0.0095	ND	ND	0.14	0.11	ND	18	18	NA	330	400	ND	ND	ND	ND	ND
5/5/2006	ND	0.0087	0.27	0.012	ND	ND	0.13	ND	ND	13	13	NA	265	325	ND	ND	ND	ND	ND
8/8/2006	0.0062	0.0097	0.23	0.0096	ND	ND	0.12	ND	ND	9.1	9.1	NA	230	280	ND	ND	ND	ND	ND
10/27/2006	0.0068	0.0078	0.23	0.011	ND	ND	0.014	ND	ND	12	12	NA	250	300	ND	ND	ND	ND	ND
2/2/2007	ND	0.0084	0.40	0.0082	ND	ND	0.22	ND	ND	16	16	NA	350	430	NA	ND	ND	ND	ND
5/4/2007	ND	0.0084	0.22	0.012	ND	ND	0.22	ND	ND	15	15	NA	290	360	NA	ND	ND	ND	ND
8/3/2007	ND	0.0074	0.21	0.013	ND	ND	0.10	ND	ND	16	16	NA	260	320	NA	ND	ND	ND	ND
8/3/2007	ND	0.0076	0.21	0.013	ND	ND	0.10	ND	ND	16	16	NA	270	330	NA	ND	ND	ND	ND
11/9/2007	0.0051	0.0082	0.28	0.014	ND	ND	0.11	ND	ND	18	18	NA	280	350	NA	ND	ND	ND	ND
2/7/2008	ND	0.0074	0.23	0.013	ND	ND	0.11	ND	ND	15	15	NA	290	360	NA	ND	ND	ND	ND
4/21/2008	ND	0.0075	0.22	0.015	ND	ND	0.10	ND	ND	16	16	NA	290	350	NA	ND	ND	ND	ND
4/21/2008	ND	0.0072	0.23	0.015	ND	ND	0.10	ND	ND	28	28	NA	280	350	NA	ND	ND	ND	ND
8/22/2008	NA	NA	0.27	NA	NA	NA	NA	ND	ND	19	19	NA	310	380	NA	ND	ND	ND	ND
11/19/2008	NA	NA	0.37	NA	NA	NA	NA	ND	ND	20	20	NA	380	460	NA	ND	ND	ND	ND
2/9/2009	NA	NA	0.35	NA	NA	NA	NA	ND	ND	20	20	NA	360	430	NA	ND	ND	ND	ND
4/16/2009	NA	NA	0.29	NA	NA	NA	NA	ND	ND	18	18	NA	310	380	NA	ND	ND	ND	ND
7/27/2009	NA	NA	0.30	NA	NA	NA	NA	ND	ND	18	18	NA	290	350	ND	ND	ND	ND	ND

MWR-1																	
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
1/1/1999	6.39	NA	1,910	NA	NA	NA	NA	NA	NA	NA	0.604	NA	0.057	NA	325	NA	NA
4/1/1999	6.43	NA	1,170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	317	NA	NA
7/1/1999	6.62	NA	1,910	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014	NA	276	NA	NA
10/1/1999	6.80	NA	1,710	NA	NA	NA	NA	NA	NA	NA	0.105	0.0513	0.0647	NA	213	NA	NA
1/1/2000	6.68	NA	1,780	NA	NA	NA	NA	NA	NA	NA	0.488	0.0726	0.0939	NA	267	NA	NA
5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0361	0.00315	0.00787	NA	NA	NA	NA
5/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0339	0.00206	0.00464	NA	NA	NA	NA
6/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0306	0.00051	0.00634	NA	NA	NA	NA
7/1/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0183	NA	0.00487	NA	NA	NA	NA
8/4/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0426	0.00149	0.00185	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	111	42	2.8	210	0.56	0.71	0.0519	NA	0.00429	NA	NA	NA	NA
2/24/2005	6.00	NA	1,600	980	110	39	3.1	200	0.24	0.37	0.054	0.0074	ND	1.6	340	ND	230
8/31/2005	6.86	ND	1,900	1,200	120	45	2.8	180	ND	0.65	0.069	ND	ND	1.5	380	0.1	210

ND is "not detected".

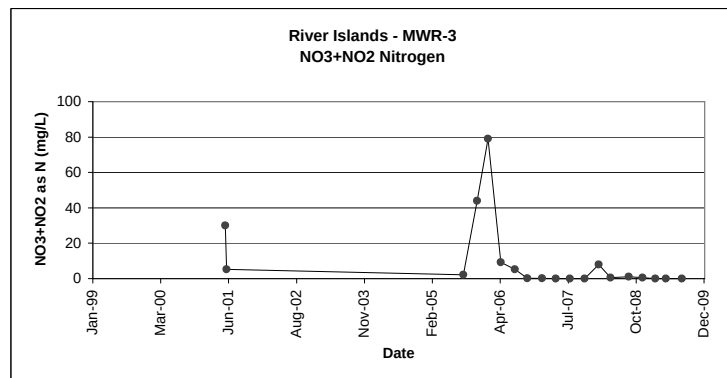
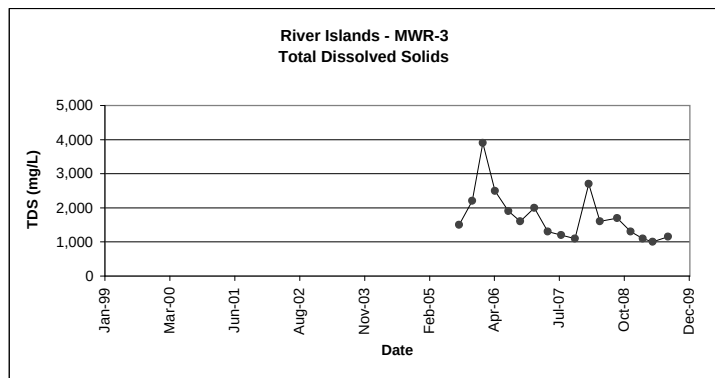
NA is "not analyzed".



MWR-1 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
1/1/1999	12.9	0.0049	NA	NA	0.00058	0.014	NA	NA	NA	NA	NA	NA	178	NA	NA	NA	NA	NA	NA
4/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144	NA	NA	NA	NA	NA	NA
7/1/1999	1.0	0.0033	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	161	NA	NA	NA	NA	NA	NA
10/1/1999	8.5	0.0111	NA	NA	0.00315	NA	NA	NA	NA	NA	NA	NA	215	NA	NA	NA	NA	NA	NA
1/1/2000	19.1	0.00442	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192	NA	NA	NA	NA	NA	NA
5/21/2001	0.132	0.00744	NA	NA	0.00052	0.00001	NA	NA	NA	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/2001	0.0081	0.00269	NA	NA	0.00105	0.00002	NA	NA	NA	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/2/2003	0.0028	0.00175	NA	0.0001	0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/1/2003	0.0701	0.00167	NA	NA	0.00038	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/4/2003	0.0705	0.00173	NA	NA	0.00012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/27/2004	0.0036	NA	0.254	0.0078	0.00024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2/24/2005	ND	ND	0.24	ND	ND	ND	ND	NA	NA	NA	NA	NA	100	122	NA	ND	ND	ND	ND
8/31/2005	ND	ND	0.18	ND	ND	ND	0.18	0.28	ND	19	19	NA	110	134	NA	ND	ND	ND	ND

MWR-3																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
1/1/1999	5.8	NA	7,630	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.244	0.0656	NA	2,080	NA	NA
4/1/1999	5.9	NA	5,630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,380	NA	NA
7/1/1999	5.94	NA	4,340	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.095	0.026	NA	1,090	NA	NA
10/1/1999	5.64	NA	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.225	0.069	NA	1,700	NA	NA
1/1/2000	6.21	NA	2,470	NA	NA	NA	NA	NA	NA	NA	NA	0.144	0.11	0.109	NA	523	NA	NA
5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0245	0.112	0.021	NA	NA	NA	NA
5/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.043	0.0309	0.0103	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	NA	0.046	123	2.7	444	1.61	3.06	0.0459	NA	0.066	NA	NA	NA	NA
2/25/2005	5.80	NA	6,800	NA	NA	540	310	4.2	790	1.2	4.0	0.04	0.15	0.011	5.6	2,100	ND	1,400
8/31/2005	6.56	17	2,800	1,500	NA	130	69	2.8	260	0.19	2.8	0.033	0.063	ND	1.6	540	0.19	380
11/28/2005	6.32	900	4,600	2,200	NA	180	98	1.9	430	ND	1.9	0.028	0.050	0.024	2.4	720	ND	540
2/8/2006	6.25	220	6,300	3,900	NA	360	210	1.7	700	ND	1.6	0.044	0.056	0.026	8.0	1,600	ND	1,100
5/3/2006	6.54	240	2,700	2,500	600	120	72	1.6	270	ND	1.5	0.024	0.026	ND	1.5	490	0.24	390
8/3/2006	5.78	2,300	2,437	1,900	600	130	68	3.7	300	0.26	4.9	0.033	0.078	0.0081	1.8	580	0.12	420
10/25/2006	5.84	240	1,968	1,600	550	120	59	4.5	240	3.5	6.2	0.035	0.10	0.027	1.5	470	0.14	370
1/29/2007	5.99	4	2,534	2,000	640	140	72	3.5	270	0.041	5.0	0.034	0.060	0.0083	1.9	700	ND	470
4/30/2007	6.07	17	2,049	1,300	470	100	52	5.1	230	0.048	4.2	0.022	0.049	0.0072	1.2	390	0.12	330
8/1/2007	6.23	13	1,774	1,200	350	79	37	4.2	190	0.73	4.0	0.028	0.035	0.0088	1.0	290	0.21	260
11/5/2007	6.10	ND	1,991	1,100	320	72	34	3.7	200	0.58	3.4	0.029	0.0200	0.0042	0.85	270	0.25	240
2/6/2008	5.60	2	3,629	2,700	1,100	240	130	4.0	370	0.029	4.1	0.060	0.078	0.013	2.4	970	ND	670
4/24/2008	6.11	ND	2,103	1,600	600	130	67	3.0	250	ND	3.9	0.026	0.065	0.011	1.4	540	0.14	390
8/20/2008	6.21	ND	2,458	1,700	570	120	65	2.8	240	ND	3.2	NA	NA	NA	1.7	580	NA	370
11/20/2008	6.18	ND	2,021	1,300	530	120	57	4.1	220	0.40	6.0	NA	NA	NA	1.4	490	NA	310
2/12/2009	6.19	23	1,868	1,100	450	99	50	3.2	210	0.25	3.7	NA	NA	NA	1.1	380	NA	280
4/21/2009	6.26	ND	1,726	1,000	380	84	42	3.5	210	0.03	2.8	NA	NA	NA	0.99	330	NA	250
8/5/2009	6.34	4	1,932	1,150	440	101	46	4.0	201	0.91	4.78	NA	NA	NA	0.12	346	NA	270

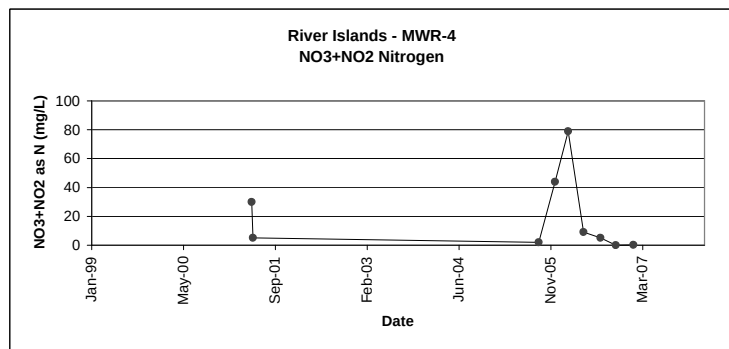
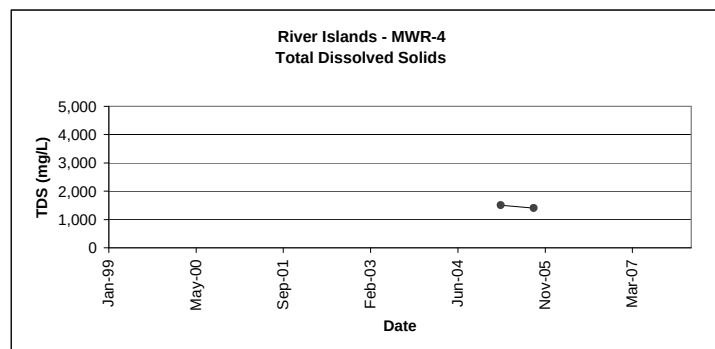
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NA is "not analyzed".



MWR-3 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
1/1/1999	8.97	0.011	NA	NA	0.0047	NA	NA	NA	NA	NA	NA	NA	57.4	NA	ND	NA	NA	NA	NA
4/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80.1	NA	ND	NA	NA	NA	NA
7/1/1999	0.36	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.4	NA	ND	NA	NA	NA	NA
10/1/1999	6.21	0.00547	NA	NA	0.00257	NA	NA	NA	NA	NA	NA	NA	56.7	NA	ND	NA	NA	NA	NA
1/1/2000	18.2	0.00333	NA	NA	0.0102	NA	NA	NA	NA	NA	NA	NA	79.4	NA	ND	NA	NA	NA	NA
5/21/2001	0.0046	0.00947	NA	NA	0.00068	0.00002	NA	NA	NA	30	NA	NA	NA	NA	ND	NA	NA	NA	NA
5/29/2001	0.0067	0.00302	NA	NA	0.00072	0.00002	NA	NA	NA	5.2	NA	NA	NA	NA	ND	NA	NA	NA	NA
9/27/2004	0.143	NA	0.467	0.0309	0.00051	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
2/25/2005	ND	ND	0.32	ND	ND	ND	ND	NA	NA	NA	NA	NA	51	62	ND	NA	NA	NA	NA
8/31/2005	ND	ND	0.44	ND	ND	ND	ND	1.4	1.0	2.1	2.1	NA	210	256	ND	ND	ND	ND	ND
11/28/2005	ND	ND	0.52	ND	ND	ND	ND	1.1	0.29	44	44	NA	120	146	ND	ND	ND	ND	ND
2/8/2006	ND	ND	0.47	ND	ND	ND	ND	1.1	0.38	79	79	NA	140	170	ND	ND	ND	ND	ND
5/3/2006	ND	ND	0.49	ND	ND	ND	ND	0.67	0.34	9.2	9.2	NA	140	170	ND	ND	ND	ND	ND
8/3/2006	0.0076	0.00053	0.55	0.0002	ND	ND	ND	1.2	0.83	5.2	5.2	NA	130	160	ND	ND	ND	ND	ND
10/25/2006	0.016	0.00045	0.57	0.00026	ND	ND	0.013	2.2	1.5	0.11	0.11	NA	110	140	ND	ND	ND	ND	ND
1/29/2007	0.0077	ND	0.53	0.00020	ND	ND	0.015	0.87	0.37	0.19	0.19	NA	100	130	NA	ND	ND	ND	ND
4/30/2007	0.0073	ND	0.57	ND	ND	ND	0.12	1.2	0.41	ND	ND	NA	120	150	NA	ND	ND	ND	ND
8/1/2007	ND	ND	0.60	0.00060	ND	ND	ND	2.4	1.4	ND	ND	NA	140	170	NA	ND	ND	ND	ND
11/5/2007	ND	ND	0.62	0.00030	ND	ND	0.038	1.2	1.60	ND	ND	NA	110	130	NA	ND	ND	ND	ND
2/6/2008	ND	0.00042	0.43	0.00024	ND	ND	0.035	0.70	0.29	8.0	8.0	NA	74	90	NA	ND	ND	ND	ND
4/24/2008	0.0054	ND	0.47	0.00022	ND	ND	0.011	0.51	0.11	0.50	0.50	NA	90	110	NA	ND	0.15	0.34	0.17
8/20/2008	NA	NA	0.46	NA	NA	NA	NA	1.1	0.70	1.0	1.0	NA	100	120	NA	ND	ND	ND	ND
11/20/2008	NA	NA	0.48	NA	NA	NA	NA	2.2	2.0	0.50	0.50	NA	110	130	NA	ND	ND	ND	ND
2/12/2009	NA	NA	0.52	NA	NA	NA	NA	1.5	1.1	ND	ND	NA	130	160	NA	ND	ND	ND	ND
4/21/2009	NA	NA	0.56	NA	NA	NA	NA	1.4	1.2	ND	ND	NA	150	180	NA	ND	ND	ND	ND
8/5/2009	NA	NA	0.50	NA	NA	NA	NA	1.8	0.5	ND	ND	NA	130	150	ND	ND	ND	ND	ND

MWR-4																	
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
1/1/1999	6.55	NA	2,210	NA	NA	NA	NA	NA	NA	NA	0.795	0.107	0.0909	NA	519	NA	NA
4/1/1999	6.49	NA	590	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.7	NA	NA
7/1/1999	6.26	NA	1,900	NA	NA	NA	NA	NA	NA	NA	0.16	NA	0.011	NA	374	NA	NA
10/1/1999	6.34	NA	2,040	NA	NA	NA	NA	NA	NA	NA	0.558	NA	0.0351	NA	454	NA	NA
1/1/2000	6.4	NA	2,040	NA	NA	NA	NA	NA	NA	NA	0.919	0.0461	0.083	NA	459	NA	NA
5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.168	0.00555	0.00384	NA	NA	NA	NA
5/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.172	0.00546	0.00735	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	149	76	4.78	312	11.9	16	0.23	NA	0.00659	NA	NA	NA	NA
2/24/2005	5.9	NA	2,300	1,500	130	66	5.9	280	20	13	0.19	ND	ND	2.1	310	ND	230
8/31/2005	6.51	ND	2,600	1,400	130	69	4.5	280	23	13	0.19	ND	ND	1.8	610	0.29	220

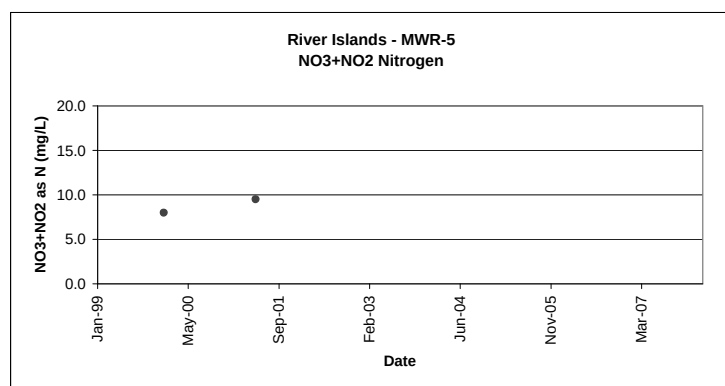
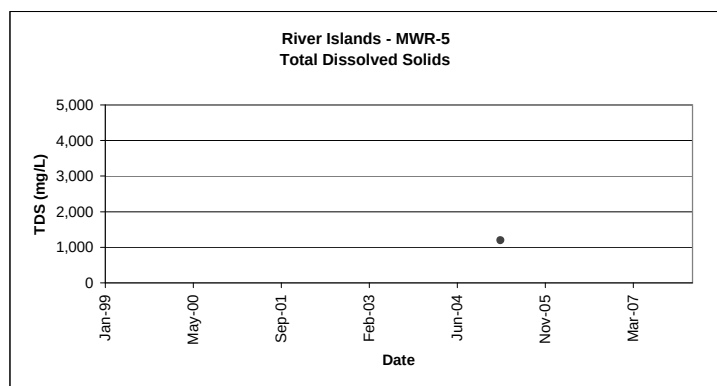
ND is "not detected".
NA is "not analyzed".



MWR-4 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
1/1/1999	12.1	0.021	NA	NA	0.004	NA	NA	NA	NA	NA	NA	NA	341	NA	NA	NA	NA	NA	NA
4/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	348	NA	NA	NA	NA	NA	NA
7/1/1999	0.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	255	NA	NA	NA	NA	NA	NA
10/1/1999	3.59	0.0123	NA	NA	0.00387	NA	NA	NA	NA	NA	NA	NA	320	NA	NA	NA	NA	NA	NA
1/1/2000	15.7	0.00878	NA	NA	0.0172	NA	NA	NA	NA	NA	NA	NA	279	NA	NA	NA	NA	NA	NA
5/21/2001	0.0051	0.00322	NA	NA	0.00061	0.00001	NA	NA	NA	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/2001	0.0053	0.00285	NA	NA	0.00041	0.00002	NA	NA	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/27/2004	0.0085	NA	0.222	0.0099	0.00034	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2/24/2005	ND	ND	0.22	ND	ND	ND	ND	NA	NA	NA	NA	NA	180	220	NA	NA	NA	NA	NA
8/31/2005	ND	ND	0.17	ND	ND	ND	ND	2.2	2.0	ND	ND	NA	200	244	NA	ND	ND	ND	ND

MWR-5																	
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
1/1/1999	6.60	NA	3,510	NA	NA	NA	NA	NA	NA	NA	0.292	NA	0.0496	NA	813	NA	NA
4/1/1999	6.63	NA	1,560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	767	NA	NA
7/1/1999	6.45	NA	3,640	NA	NA	NA	NA	NA	NA	NA	0.12	NA	0.068	NA	819	NA	NA
10/1/1999	6.84	NA	3,110	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0492	NA	624	NA	NA
1/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0612	0.00306	0.006	NA	NA	NA	NA	NA
5/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0598	0.00271	0.00466	NA	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	110	46.1	2.3	184	0.622	0.0879	0.0722	NA	0.0256	NA	NA	NA	NA
2/24/2005	6.20	NA	2,000	1,200	140	59	3.3	200	0.35	0.047	0.083	ND	0.023	1.6	430	ND	250

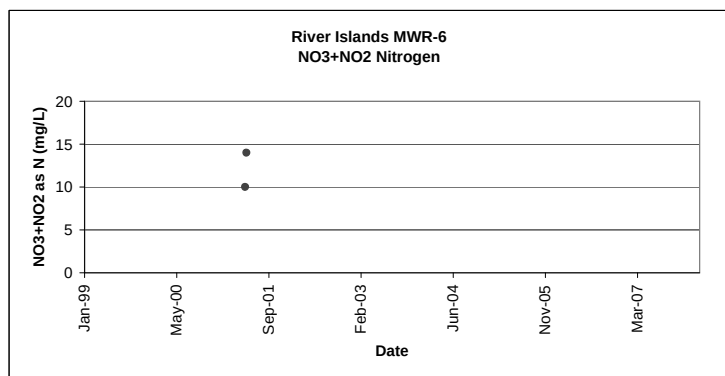
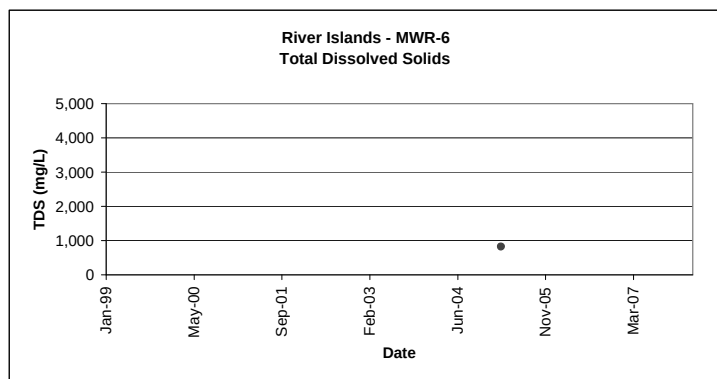
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NA is "not analyzed".



MWR-5 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-chloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
1/1/1999	9.2	0.0045	NA	NA	0.0034	0.015	NA	NA	NA	NA	NA	NA	222	NA	NA	NA	NA	NA	NA
4/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	219	NA	NA	NA	NA	NA	NA
7/1/1999	7.0	0.0051	NA	NA	0.004	NA	NA	NA	NA	NA	NA	NA	198	NA	NA	NA	NA	NA	NA
10/1/1999	8.06	0.00384	NA	NA	0.00274	NA	NA	NA	NA	NA	NA	NA	213	NA	NA	NA	NA	NA	NA
1/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/21/2001	0.0469	0.0024	NA	NA	0.00061	0.00001	NA	NA	NA	9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/2001	0.002	0.00232	NA	NA	0.00052	0.00003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/27/2004	0.0118	NA	0.555	0.0099	0.00012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2/24/2005	ND	ND	0.55	ND	ND	ND	ND	NA	NA	NA	NA	NA	150	183	NA	NA	NA	NA	NA

MWR-6																	
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
1/1/1999	7.40	NA	2,270	NA	NA	NA	NA	NA	NA	NA	0.369	NA	0.0231	NA	390	NA	NA
4/1/1999	7.16	NA	2,530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	268	NA	NA
7/1/1999	7.22	NA	1,620	NA	NA	NA	NA	NA	NA	NA	0.13	NA	0.041	NA	197	NA	NA
10/1/1999	7.10	NA	1,700	NA	NA	NA	NA	NA	NA	NA	0.054	NA	NA	NA	222	NA	NA
1/1/2000	7.63	NA	1,690	NA	NA	NA	NA	NA	NA	NA	0.351	0.0579	NA	NA	202	NA	NA
5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0509	0.00323	0.00425	NA	NA	NA	NA
5/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0515	0.00292	0.00459	NA	NA	NA	NA
6/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0477	0.00008	0.00167	NA	NA	NA	NA
7/1/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0683	0.00376	0.0139	NA	NA	NA	NA
8/4/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0446	0.00081	0.00123	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	110	42.4	0.75	176	0.555	0.944	0.0496	NA	0.0045	NA	NA	NA	NA
2/24/2005	6.80	NA	1,500	820	8.8	41	ND	170	ND	ND	0.059	ND	ND	0.8	200	ND	180

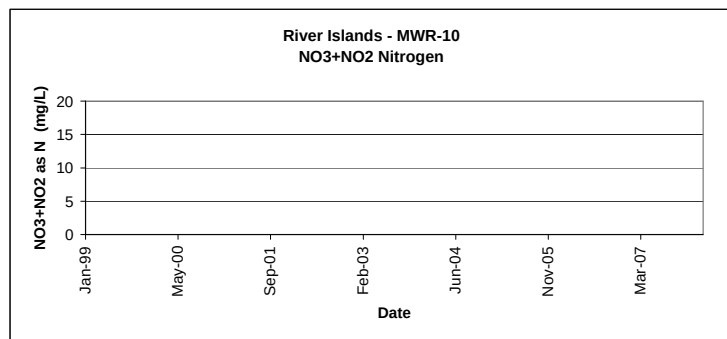
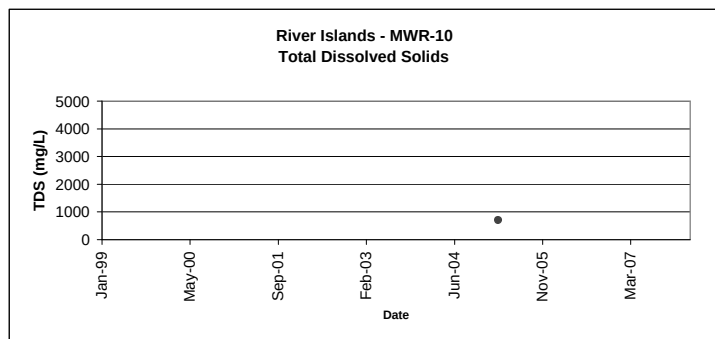
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NA is "not analyzed".



MWR-6 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
1/1/1999	6.81	0.014	NA	NA	0.0013	0.014	NA	NA	NA	NA	NA	NA	402	NA	NA	NA	NA	NA	NA
4/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	338	NA	NA	NA	NA	NA	NA
7/1/1999	5	0.0065	NA	NA	0.002	NA	NA	NA	NA	NA	NA	NA	310	NA	NA	NA	NA	NA	NA
10/1/1999	0.507	0.00388	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	346	NA	NA	NA	NA	NA	NA
1/1/2000	22.2	0.0118	NA	NA	0.00197	NA	NA	NA	NA	NA	NA	NA	342	NA	NA	NA	NA	NA	NA
5/21/2001	0.0126	0.0051	NA	NA	0.00044	0.00002	NA	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/2001	0.003	0.00508	NA	NA	0.00054	0.00005	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/2/2003	0.0149	0.00604	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/1/2003	1.81	0.00664	NA	0.0001	0.00126	0.00005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/4/2003	0.00468	0.00441	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/27/2004	0.0073	NA	0.351	0.0041	0.00018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2/24/2005	0.27	ND	0.31	ND	ND	ND	0.22	NA	NA	NA	NA	NA	300	366	NA	NA	NA	NA	NA

MWR-10																	
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
6/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0423	NA	0.00621	NA	NA	NA	NA
7/1/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0264	0.0003	0.00326	NA	NA	NA	NA
8/4/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0398	0.00021	0.00194	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	67	28	1.3	92	0.351	0.279	0.0482	NA	0.00142	NA	NA	NA	NA
2/25/2005	7.30	NA	890	710	69	27	1.5	94	ND	0.16	0.046	ND	ND	0.38	96	ND	100

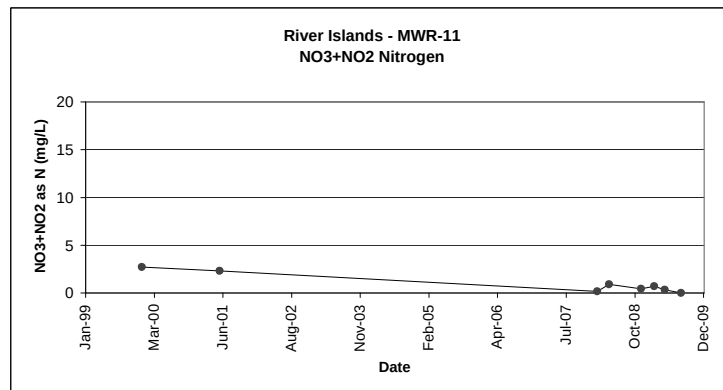
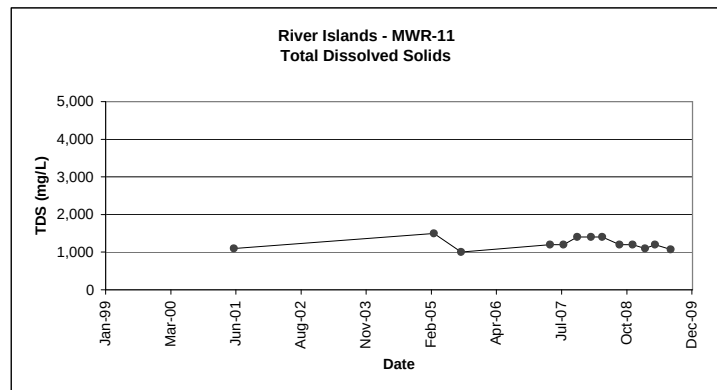
ND is "not detected".
NA is "not analyzed".



MWR-10 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
6/2/2003	0.0071	0.00759	NA	NA	0.00003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/1/2003	0.146	0.00699	NA	NA	0.00038	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/4/2003	0.168	0.00575	NA	NA	0.00023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/27/2004	0.008	NA	0.323	0.0022	0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2/25/2005	ND	0.006	0.29	ND	ND	ND	ND	NA	NA	NA	NA	NA	230	281	NA	NA	NA	NA	NA

MWR-11																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
1/1/1999	7.34	NA	794	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	308	NA	NA
4/1/1999	7.21	NA	1,280	NA	NA	NA	NA	NA	NA	NA	NA	0.39	NA	0.083	NA	218	NA	NA
7/1/1999	7.22	NA	1,410	NA	NA	NA	NA	NA	NA	NA	NA	0.212	0.0283	0.089	NA	238	NA	NA
10/1/1999	7.39	NA	1,600	NA	NA	NA	NA	NA	NA	NA	NA	0.489	0.0463	0.131	NA	307	NA	NA
1/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.309	0.0205	0.0375	NA	260	NA	NA
5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17	0.00234	0.00605	NA	NA	NA	NA
5/29/2001	7.03	300	1,800	1,100	NA	NA	NA	NA	NA	NA	NA	0.312	0.0144	0.0326	NA	390	NA	NA
6/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.178	0.00214	0.0102	NA	NA	NA	NA
7/1/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.147	0.00361	0.00496	NA	NA	NA	NA
8/4/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0446	0.00081	0.00123	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	NA	133	58	1.7	214	1.38	0.171	0.211	NA	0.00475	NA	NA	NA	NA
2/25/2005	6.80	NA	2,000	1,500	NA	150	65	2.1	200	0.43	0.044	0.31	ND	ND	1.7	480	ND	220
8/31/2005	7.57	240	1,800	1,000	NA	120	51	1.7	160	ND	0.031	0.2	ND	ND	1.0	360	0.23	190
5/2/2007	6.78	ND	1,905	1,200	530	120	54	2.5	170	0.076	0.014	0.24	0.0025	ND	1.1	380	0.15	210
8/1/2007	6.82	> 1,600	1,730	1,200	450	110	44	2.7	170	0.079	0.038	0.18	0.0032	ND	1.0	360	0.18	210
11/5/2007	6.70	33	1,954	1,400	540	130	53	2.4	190	0.510	0.077	0.21	0.0028	ND	1.3	400	0.18	210
2/6/2008	6.80	27	1,943	1,400	560	130	58	2.1	180	ND	0.0068	0.32	0.0048	0.0056	1.0	400	0.15	220
4/24/2008	6.84	220	2,054	1,400	820	170	94	3.1	250	1.4	0.0020	0.24	0.0030	0.0058	1.1	430	0.17	250
8/20/2008	6.77	80	1,737	1,200	460	110	46	1.9	180	0.013	0.03	NA	NA	NA	1.1	380	NA	210
11/18/2008	6.88	130	2,077	1,200	560	130	57	2.4	190	0.016	0.099	NA	NA	NA	1.3	450	NA	220
2/10/2009	6.90	2	1,871	1,100	480	110	51	1.9	180	ND	ND	NA	NA	NA	1.2	390	NA	220
4/20/2009	6.83	130	2,186	1,200	540	120	58	2.9	200	ND	ND	NA	NA	NA	1.1	420	NA	250
8/4/2009	7.00	500	1,722	1,070	490	116	48	3.0	194	0.08	0.04	NA	NA	NA	0.93	366	NA	197

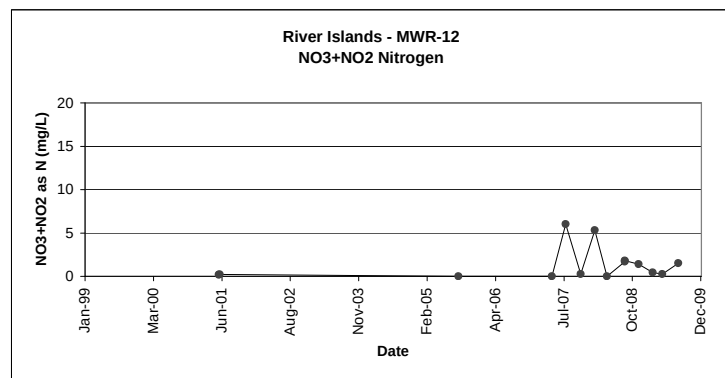
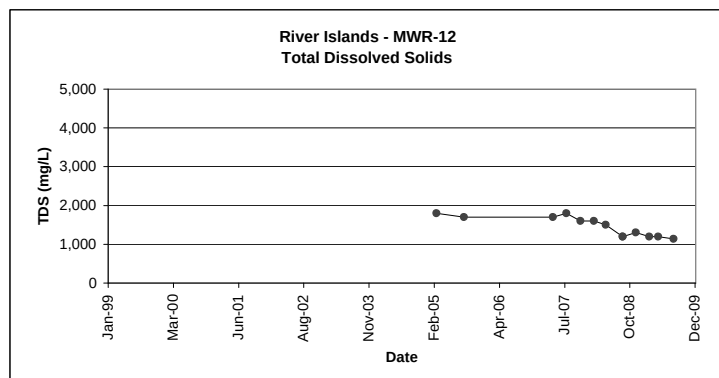
ND is "not detected".
NA is "not analyzed".



MWR-11 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
1/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	169	NA	NA	NA	NA	NA	NA
4/1/1999	9.9	0.0046	NA	NA	0.004	NA	NA	NA	NA	NA	NA	NA	150	NA	NA	NA	NA	NA	NA
7/1/1999	12.3	NA	NA	NA	0.00224	NA	NA	NA	NA	NA	NA	NA	191	NA	NA	NA	NA	NA	NA
10/1/1999	30.5	0.005	NA	NA	0.0028	NA	NA	NA	NA	NA	NA	NA	174	NA	NA	NA	NA	NA	NA
1/1/2000	16.4	0.0051	NA	NA	0.00448	0.00016	NA	NA	NA	2.7	NA	NA	190	NA	NA	NA	NA	NA	NA
5/21/2001	0.0017	0.00281	NA	NA	0.0005	0.00004	NA	NA	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/2001	7.27	0.00461	NA	0.164	0.00574	0.000110	NA	NA	NA	NA	NA	NA	190	NA	NA	NA	NA	NA	NA
6/2/2003	1.18	0.00319	NA	0.0022	0.00117	0.00002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/1/2003	0.885	0.00249	NA	0.0147	0.00072	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/4/2003	0.00468	0.00441	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/27/2004	0.0099	NA	0.643	0.0088	0.00018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2/25/2005	ND	ND	0.47	ND	ND	ND	ND	NA	NA	NA	NA	NA	210	256	NA	NA	NA	NA	NA
8/31/2005	ND	ND	0.43	ND	ND	ND	0.23	0.38	0.13	ND	ND	NA	170	207	NA	ND	ND	ND	ND
5/2/2007	ND	0.00068	0.42	ND	ND	ND	0.13	0.52	ND	ND	ND	NA	190	230	NA	ND	ND	ND	ND
8/1/2007	ND	0.0013	0.57	0.0004	ND	ND	0.11	0.50	ND	ND	ND	NA	160	200	NA	ND	ND	ND	ND
11/5/2007	ND	0.0016	0.57	ND	ND	ND	0.10	0.38	0.25	ND	ND	NA	180	210	NA	ND	ND	ND	ND
2/6/2008	ND	0.00076	0.44	ND	ND	ND	0.086	0.22	ND	0.17	0.17	NA	220	270	NA	ND	ND	ND	ND
4/24/2008	ND	0.00089	0.22	ND	ND	ND	0.085	0.37	ND	0.92	0.92	NA	180	210	NA	ND	ND	ND	ND
8/20/2008	NA	NA	0.58	NA	NA	NA	NA	ND	ND	ND	ND	NA	160	190	NA	ND	ND	ND	ND
11/18/2008	NA	NA	0.59	NA	NA	NA	NA	0.21	0.16	0.45	0.45	NA	210	250	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.55	NA	NA	NA	NA	0.28	ND	0.71	0.71	NA	180	220	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.64	NA	NA	NA	NA	0.23	ND	0.35	0.35	NA	300	370	NA	ND	ND	ND	ND
8/4/2009	NA	NA	0.60	NA	NA	NA	NA	ND	ND	ND	ND	NA	180	220	ND	ND	ND	ND	ND

MWR-12																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
1/1/1999	7.14	NA	2,310	NA	NA	NA	NA	NA	NA	NA	NA	0.471	NA	0.111	NA	501	NA	NA
4/1/1999	7.00	NA	1,140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	549	NA	NA
7/1/1999	7.32	NA	154	NA	NA	NA	NA	NA	NA	NA	NA	0.1	NA	0.012	NA	273	NA	NA
10/1/1999	7.01	NA	2,350	NA	NA	NA	NA	NA	NA	NA	NA	0.177	0.0689	0.182	NA	536	NA	NA
1/1/2000	7.37	NA	3,130	NA	NA	NA	NA	NA	NA	NA	NA	0.454	0.0572	0.18	NA	774	NA	NA
5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.118	0.00302	0.002	NA	NA	NA	NA
5/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.108	0.00324	0.00746	NA	NA	NA	NA
9/27/2004	NA	NA	NA	NA	NA	174	73	2.7	225	1.77	2.67	0.119	NA	0.02	NA	NA	NA	NA
2/24/2005	6.20	NA	2,600	1,800	NA	220	88	3.6	240	2.4	4.4	0.13	0.013	NA	2.0	630	ND	330
8/31/2005	7.25	ND	2,700	1,700	NA	190	84	2.6	250	0.44	4.5	0.12	ND	ND	1.9	650	0.27	300
5/2/2007	7.05	30	2,260	1,700	770	180	76	2.8	230	0.037	2.6	0.24	0.011	ND	1.8	570	0.26	320
8/1/2007	6.90	900	2,256	1,800	690	170	66	2.9	220	ND	0.35	0.20	0.0031	ND	1.8	550	0.30	330
11/6/2007	7.30	50	2,213	1,600	690	160	67	3.9	210	0.030	0.68	0.22	0.0090	ND	1.7	520	0.29	300
2/6/2008	7.10	ND	1,964	1,600	660	150	66	2.4	220	ND	0.39	0.18	0.0055	0.0035	1.4	480	0.35	300
4/25/2008	7.14	ND	2,127	1,500	670	160	66	2.2	200	ND	0.13	0.18	0.0038	0.0043	1.6	550	0.35	310
8/21/2008	7.14	50	1,862	1,200	470	110	48	1.7	170	ND	0.017	NA	NA	NA	1.1	380	NA	210
8/21/2008	7.14	30	1,862	1,200	470	110	47	1.6	180	ND	0.015	NA	NA	NA	1.1	390	NA	210
11/18/2008	7.28	2	1,949	1,300	540	130	53	1.6	190	0.010	0.074	NA	NA	NA	1.1	400	NA	210
2/18/2009	7.11	30	1,913	1,200	560	130	58	1.5	180	0.10	0.040	NA	NA	NA	1.2	400	NA	220
4/21/2009	6.96	ND	2,031	1,200	600	140	62	2.8	190	ND	0.017	NA	NA	NA	NA	450	NA	240
8/4/2009	7.17	110	1,762	1,140	510	123	50	2.0	193	0.08	0.03	NA	NA	NA	1.02	390	NA	206

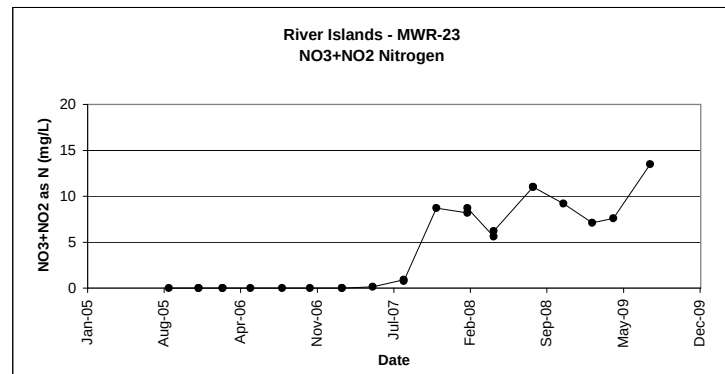
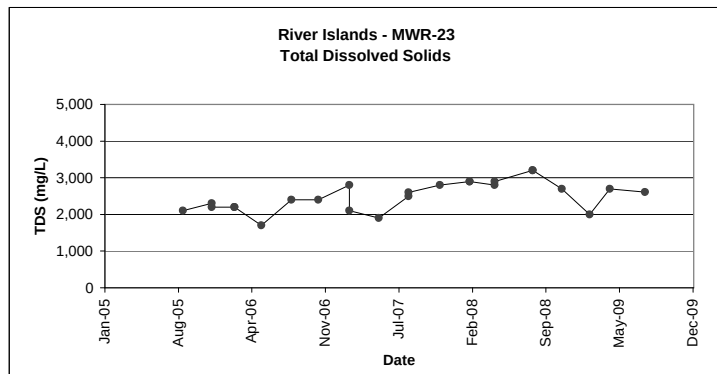
ND is "not detected".
NA is "not analyzed".



MWR-12 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromofom (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
1/1/1999	24.2	0.0075	NA	NA	0.0038	NA	NA	NA	NA	NA	NA	NA	246	NA	NA	NA	NA	NA	NA
4/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258	NA	NA	NA	NA	NA	NA
7/1/1999	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	167	NA	NA	NA	NA	NA	NA
10/1/1999	21.5	0.01	NA	NA	0.00518	NA	NA	NA	NA	NA	NA	NA	250	NA	NA	NA	NA	NA	NA
1/1/2000	33	0.0114	NA	NA	0.00441	NA	NA	NA	NA	NA	NA	NA	311	NA	NA	NA	NA	NA	NA
5/21/2001	0.163	0.00481	NA	NA	0.00098	0.00001	NA	NA	NA	0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/2001	0.0027	0.00373	NA	NA	0.00134	0.00003	NA	NA	NA	0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/27/2004	0.29	NA	0.449	0.0391	0.00065	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/24/2005	ND	ND	0.43	ND	ND	ND	ND	NA	NA	NA	NA	NA	210	256	NA	NA	NA	NA	NA
8/31/2005	ND	ND	0.35	ND	ND	ND	ND	0.37	0.35	ND	ND	NA	230	281	NA	ND	ND	ND	ND
5/2/2007	ND	0.0018	0.44	ND	ND	ND	0.12	0.38	ND	ND	ND	NA	210	250	NA	ND	ND	ND	ND
8/1/2007	ND	0.0024	0.36	ND	ND	ND	0.15	ND	ND	6.0	6.0	NA	150	190	NA	ND	ND	ND	ND
11/6/2007	ND	0.0024	0.41	0.0007	ND	ND	0.16	ND	0.11	0.25	0.25	NA	150	190	NA	ND	ND	ND	ND
2/6/2008	ND	0.0021	0.37	ND	ND	ND	0.11	ND	ND	5.3	5.2	NA	190	240	NA	ND	ND	ND	ND
4/25/2008	0.0051	0.0018	0.37	ND	ND	ND	0.10	0.24	ND	ND	ND	NA	210	250	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.53	NA	NA	NA	NA	0.16	ND	1.7	1.7	NA	180	220	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.52	NA	NA	NA	NA	0.13	ND	1.8	1.8	NA	180	220	NA	ND	ND	ND	ND
11/18/2008	NA	NA	0.56	NA	NA	NA	NA	ND	ND	1.4	1.4	NA	220	260	NA	ND	ND	ND	ND
2/18/2009	NA	NA	0.51	NA	NA	NA	NA	0.096	ND	0.43	0.43	NA	200	250	NA	ND	ND	ND	ND
4/21/2009	NA	NA	0.48	NA	NA	NA	NA	0.11	ND	0.24	0.24	NA	200	250	NA	ND	ND	ND	ND
8/4/2009	NA	NA	0.50	NA	NA	NA	NA	ND	ND	1.5	1.5	NA	160	200	ND	ND	ND	ND	ND

MWR-23																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.15	1,600	3,700	2,100	NA	210	130	4.3	330	0.38	2.0	0.039	ND	ND	2.0	840	ND	530
11/28/2005	7.09	11	3,700	2,300	NA	210	120	3.1	340	0.60	1.9	0.025	ND	ND	2.1	830	0.29	570
11/28/2005	7.07	13	3,700	2,200	NA	200	120	3.2	350	0.70	1.9	0.024	ND	ND	2.1	820	0.25	560
2/7/2006	6.99	ND	3,500	2,200	NA	230	130	2.3	320	0.99	2.2	0.029	ND	ND	2.1	850	0.29	600
2/7/2006	7.11	ND	3,500	2,200	NA	230	130	2.3	330	1.0	2.3	0.030	ND	ND	2.1	840	ND	600
5/1/2006	7.02	ND	2,700	1,700	850	170	96	1.5	280	2.4	3.2	0.042	ND	ND	1.7	620	0.24	330
8/3/2006	6.42	ND	3,369	2,400	970	200	120	3.4	340	0.22	2.3	0.035	0.0028	ND	1.8	720	0.12	440
10/25/2006	6.65	80	3,340	2,400	650	190	110	3.3	310	0.52	1.5	0.035	0.0058	0.0021	1.9	710	0.14	430
1/29/2007	7.19	ND	3,389	2,800	880	180	110	2.5	310	0.22	1.5	0.028	0.0029	ND	1.6	680	0.14	390
1/29/2007	7.19	ND	3,389	2,100	900	180	110	2.3	320	0.27	1.6	0.028	0.0029	ND	1.6	700	0.13	410
4/30/2007	6.62	ND	3,286	1,900	900	180	110	4.4	310	0.05	1.1	0.029	0.0052	ND	1.8	710	0.11	440
8/1/2007	6.83	4	3,503	2,500	1,000	210	120	3.9	330	0.15	1.1	0.034	0.0036	ND	1.9	830	0.15	540
8/1/2007	6.83	ND	3,503	2,600	1,000	210	120	3.3	320	0.14	1.1	0.033	0.0033	ND	1.9	800	0.16	530
11/6/2007	7.00	ND	4,252	2,800	1,300	260	150	3.8	400	0.026	1.0	0.045	0.0039	ND	2.3	980	0.22	620
2/6/2008	6.70	ND	4,400	2,900	1,300	250	150	2.7	390	ND	1.1	0.038	0.0070	ND	2.1	970	0.17	650
2/6/2008	6.70	ND	4,400	2,900	1,300	250	150	2.7	390	ND	0.98	0.038	0.0069	ND	2.1	960	0.17	650
4/24/2008	6.80	ND	4,139	2,800	1,200	240	150	2.0	370	0.030	1.3	0.037	0.0068	ND	2.2	910	0.12	600
4/24/2008	6.80	ND	4,139	2,900	1,200	250	150	2.0	360	0.031	ND	ND	ND	ND	2.2	910	0.12	590
8/20/2008	6.85	ND	4,380	3,200	1,300	260	150	2.0	400	0.01	1.2	NA	NA	NA	2.6	1,100	NA	700
8/20/2008	6.85	ND	4,380	3,200	1,300	260	160	2.0	400	ND	1.2	NA	NA	NA	2.6	1,100	NA	690
11/18/2008	6.80	ND	4,356	2,700	1,300	260	160	2.2	430	0.030	1.3	NA	NA	NA	2.4	940	NA	630
2/12/2009	5.24	ND	4,121	2,000	1,200	240	150	1.7	380	0.048	1.4	NA	NA	NA	2.3	900	NA	580
4/16/2009	6.77	ND	4,113	2,700	1,200	250	150	2.1	400	0.020	1.3	NA	NA	NA	2.3	950	NA	610
8/3/2009	6.86	ND	4,158	2,610	1,240	254	147	2.0	452	0.07	1.13	NA	NA	NA	2.26	960	NA	650

ND is "not detected".
NA is "not analyzed".

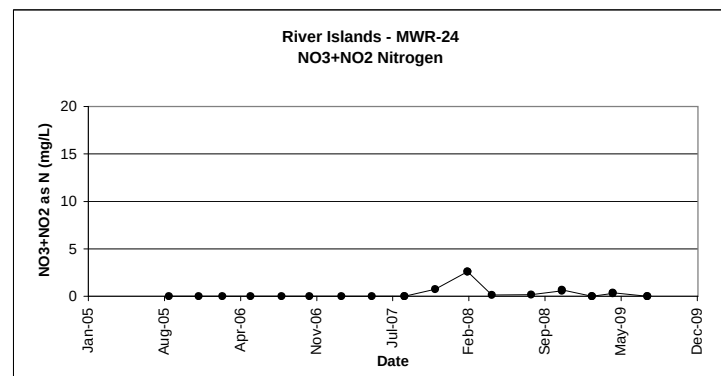
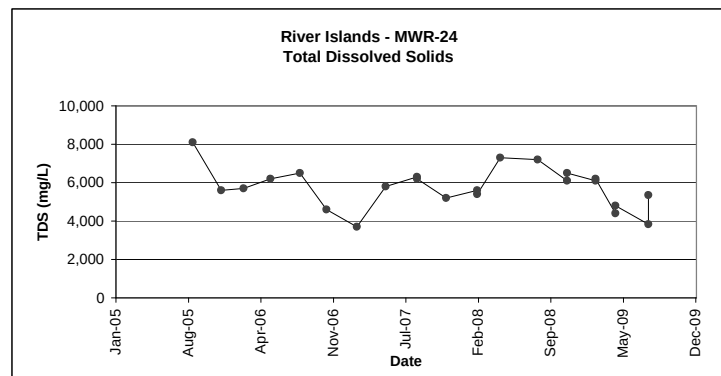


MWR-23 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	ND	0.36	ND	ND	ND	ND	0.36	0.12	ND	ND	NA	210	256	ND	ND	ND	ND	ND
11/28/2005	ND	0.0025	0.33	ND	ND	ND	ND	0.34	0.29	ND	ND	NA	230	281	ND	ND	ND	ND	ND
11/28/2005	ND	0.0027	0.32	ND	ND	ND	ND	0.42	0.31	ND	ND	NA	230	281	NA	ND	ND	ND	ND
2/7/2006	ND	ND	0.38	ND	ND	ND	ND	0.52	0.36	ND	ND	NA	230	280	NA	ND	ND	ND	ND
2/7/2006	ND	ND	0.39	ND	ND	ND	ND	0.39	0.29	ND	ND	NA	230	280	ND	ND	ND	ND	ND
5/1/2006	ND	ND	0.39	ND	ND	ND	ND	0.49	ND	ND	ND	NA	180	220	ND	ND	ND	ND	ND
8/3/2006	0.0062	0.00096	0.45	ND	ND	ND	ND	0.23	ND	ND	ND	NA	220	270	ND	ND	ND	ND	ND
10/25/2006	0.0065	0.0015	0.51	ND	ND	ND	0.013	0.30	ND	ND	ND	NA	250	250	ND	ND	ND	ND	ND
1/29/2007	ND	0.0012	0.45	ND	ND	ND	0.014	0.15	ND	ND	ND	NA	220	260	NA	ND	ND	ND	ND
1/29/2007	ND	0.0015	0.45	ND	ND	ND	0.059	0.20	ND	ND	ND	NA	210	260	NA	ND	ND	ND	ND
4/30/2007	0.0053	0.0014	0.48	ND	ND	ND	0.087	0.50	ND	0.15	0.15	NA	240	290	NA	ND	ND	ND	ND
8/1/2007	ND	0.0014	0.49	0.0003	ND	ND	0.014	ND	ND	0.92	0.92	NA	240	290	NA	ND	ND	ND	ND
8/1/2007	ND	0.0015	0.48	0.0003	ND	ND	0.015	0.38	ND	0.78	0.78	NA	240	290	NA	ND	ND	ND	ND
11/6/2007	ND	0.0013	0.50	ND	ND	ND	0.027	0.66	ND	8.7	8.7	NA	190	230	NA	ND	ND	ND	ND
2/6/2008	ND	0.0012	0.44	0.00027	ND	ND	0.029	ND	ND	8.2	8.1	NA	220	270	NA	ND	ND	ND	ND
2/6/2008	ND	0.0011	0.44	0.00024	ND	ND	0.025	ND	ND	8.7	8.6	NA	230	270	NA	ND	ND	ND	ND
4/24/2008	ND	0.0011	0.45	ND	ND	ND	0.019	ND	ND	5.6	5.6	NA	220	270	NA	ND	ND	ND	ND
4/24/2008	ND	ND	0.45	ND	ND	ND	0.021	ND	ND	6.2	6.2	NA	220	270	NA	ND	ND	ND	ND
8/20/2008	NA	NA	0.47	NA	NA	NA	NA	ND	ND	11	11	NA	210	260	NA	ND	ND	ND	ND
8/20/2008	NA	NA	0.47	NA	NA	NA	NA	ND	ND	11	11	NA	210	250	NA	ND	ND	ND	ND
11/18/2008	NA	NA	0.50	NA	NA	NA	NA	ND	ND	9.2	9.2	NA	210	260	NA	ND	ND	ND	ND
2/12/2009	NA	NA	0.48	NA	NA	NA	NA	ND	ND	7.1	6.8	NA	200	250	NA	ND	ND	ND	ND
4/16/2009	NA	NA	0.50	NA	NA	NA	NA	0.31	ND	7.6	7.6	NA	490	600	NA	ND	ND	ND	ND
8/3/2009	NA	NA	0.40	NA	NA	NA	NA	ND	ND	13.5	13.4	NA	190	230	ND	ND	ND	ND	ND

MWR-24																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	6.86	220	9,500	8,100	NA	960	420	8.3	690	56	33	0.085	ND	ND	8.0	3,300	ND	1,400
11/28/2005	6.7	ND	7,600	5,600	NA	590	260	6.9	410	73	16	0.091	ND	ND	6.5	2,400	0.25	870
2/7/2006	6.55	ND	7,600	5,700	NA	710	310	6.8	410	91	17	0.12	ND	ND	6.5	2,600	0.40	930
5/2/2006	6.53	4	6,700	6,200	2,300	700	300	6.6	380	92	15	0.12	ND	ND	5.7	2,100	ND	770
8/3/2006	6.06	27	7,275	6,500	2,900	680	300	11	400	95	15	0.13	ND	0.0022	5.3	2,200	0.12	780
10/25/2006	6.29	ND	7,221	4,600	2,800	650	280	8.5	390	99	12	0.13	0.0077	0.0037	5.4	2,100	0.15	740
1/29/2007	6.6	11	8,170	3,700	3,500	830	340	8.9	480	91	23	0.13	ND	ND	5.7	2,500	ND	870
4/30/2007	6.47	ND	7,637	5,800	2,700	600	290	14	440	86	21	0.11	ND	ND	6.4	2,300	ND	780
8/6/2007	6.14	ND	9,181	6,300	3,400	790	360	9.0	630	39	30	0.097	0.0024	ND	7.3	2,900	0.15	1,400
8/6/2007	6.14	ND	9,181	6,200	3,400	790	360	8.4	630	40	31	0.096	0.0025	ND	7.3	2,900	0.15	1,400
11/6/2007	6.30	8	8,006	5,200	3,000	720	300	9.9	620	15	21	0.063	0.0045	ND	6.0	2,300	0.19	1,200
2/11/2008	6.60	ND	8,322	5,600	2,800	640	290	5.9	810	2.2	17	0.055	0.014	ND	6.0	2,300	0.11	1,400
2/11/2008	6.60	ND	8,322	5,400	2,800	640	300	6.4	790	3.0	17	0.057	0.013	ND	6.1	2,400	0.10	1,500
4/24/2008	6.40	ND	8,275	7,300	3,100	700	330	5.0	720	14	24	0.052	0.012	ND	6.3	2,600	0.17	1,400
8/20/2008	6.38	ND	7,663	7,200	2,700	600	290	5.1	530	49	19	NA	NA	NA	6.2	2,300	NA	1,000
11/20/2008	6.40	>1,600	7,424	6,100	2,800	630	300	5.6	510	57	19	NA	NA	NA	6.8	2,300	NA	910
11/20/2008	6.40	>1,600	7,424	6,500	2,800	620	300	5.5	500	58	19	NA	NA	NA	6.4	2,200	NA	900
2/18/2009	6.40	17	7,331	6,100	2,610	600	270	5.8	410	53	16	NA	NA	NA	5.6	2,100	NA	900
2/18/2009	6.40	30	7,331	6,200	2,870	640	310	6.3	460	64	18	NA	NA	NA	5.8	2,100	NA	900
4/21/2009	6.39	ND	7,430	4,400	2,860	650	300	7.8	490	68	19	NA	NA	NA	5.6	2,200	NA	910
4/21/2009	6.39	ND	7,430	4,800	2,760	610	300	6.6	500	68	19	NA	NA	NA	5.8	2,200	NA	910
8/3/2009	7.81	11	7,795	3,830	2,770	635	288	7.0	713	50	20	NA	NA	NA	5.05	2,060	NA	1,210
8/3/2009	7.81	14	7,795	5,350	2,770	644	284	7.0	709	50	20	NA	NA	NA	4.77	2,120	NA	1,230

ND is "not detected".

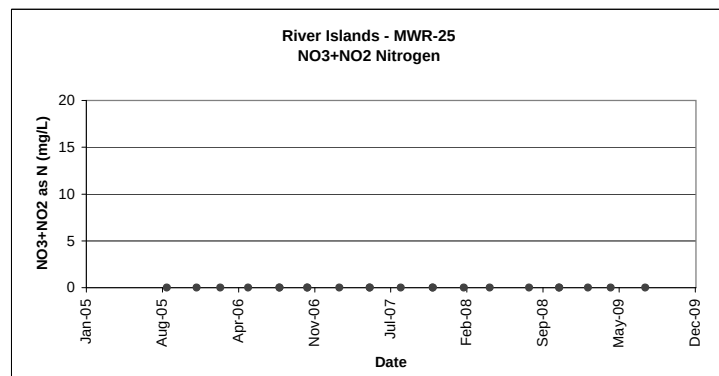
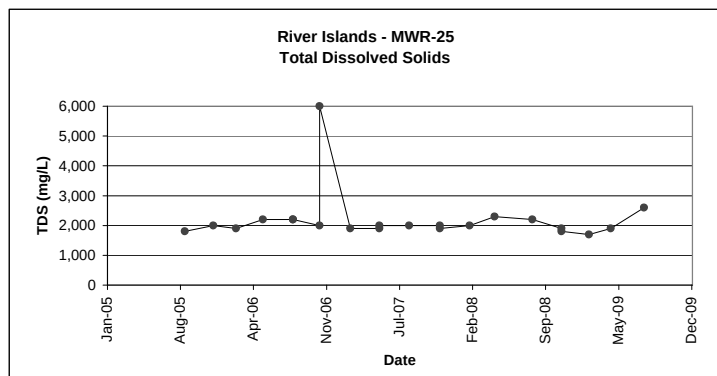
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MWR-24 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	ND	0.086	ND	ND	ND	ND	1.1	0.75	ND	ND	NA	160	195	ND	ND	ND	ND	ND
11/28/2005	ND	ND	0.039	ND	ND	ND	ND	1.2	1.0	ND	ND	NA	200	244	ND	ND	ND	ND	ND
2/7/2006	ND	ND	0.061	ND	ND	ND	ND	0.25	0.15	ND	ND	NA	180	220	ND	ND	ND	ND	ND
5/2/2006	ND	ND	0.065	ND	ND	ND	ND	1.2	1.3	ND	ND	NA	160	195	ND	ND	ND	ND	ND
8/3/2006	0.0062	0.0011	0.067	ND	ND	ND	0.80	1.7	0.98	ND	ND	NA	140	170	ND	ND	ND	ND	ND
10/25/2006	0.0067	0.0015	0.066	0.00032	ND	ND	0.76	1.7	1.0	ND	ND	NA	200	250	ND	ND	ND	ND	ND
1/29/2007	0.020	0.0015	0.072	ND	ND	ND	0.74	1.6	0.84	ND	ND	NA	83	100	NA	ND	ND	ND	ND
4/30/2007	0.014	0.0013	0.087	ND	ND	ND	0.81	1.8	0.76	ND	ND	NA	200	240	NA	ND	ND	ND	ND
8/6/2007	ND	0.00063	0.13	ND	ND	ND	0.066	1.6	0.61	ND	ND	NA	170	200	NA	ND	ND	ND	ND
8/6/2007	ND	0.00059	0.12	ND	ND	ND	0.066	1.6	0.60	ND	ND	NA	170	210	NA	ND	ND	ND	ND
11/6/2007	ND	0.00040	0.20	ND	ND	ND	0.012	0.57	0.28	0.73	0.73	NA	160	190	NA	ND	ND	ND	ND
2/11/2008	ND	0.00046	0.32	ND	ND	ND	ND	0.45	ND	2.6	2.3	NA	170	210	NA	ND	ND	ND	ND
2/11/2008	ND	0.00051	0.31	ND	ND	ND	ND	0.40	ND	2.6	2.2	NA	160	200	NA	ND	ND	ND	ND
4/24/2008	ND	ND	0.22	ND	ND	ND	ND	0.52	0.15	0.14	0.14	NA	140	180	NA	ND	ND	ND	ND
8/20/2008	NA	NA	0.14	NA	NA	NA	NA	0.98	ND	0.17	0.11	NA	91	110	NA	ND	ND	ND	ND
11/20/2008	NA	NA	0.14	NA	NA	NA	NA	1.1	0.74	0.56	0.56	NA	140	170	NA	ND	ND	ND	ND
11/20/2008	NA	NA	0.12	NA	NA	NA	NA	1.1	0.76	0.67	0.67	NA	120	150	NA	ND	ND	ND	ND
2/18/2009	NA	NA	0.1	NA	NA	NA	NA	1.4	0.69	ND	ND	NA	120	150	NA	ND	ND	ND	ND
2/18/2009	NA	NA	0.11	NA	NA	NA	NA	1.4	0.51	ND	ND	NA	130	160	NA	ND	ND	ND	ND
4/21/2009	NA	NA	0.11	NA	NA	NA	NA	1.2	0.85	0.30	0.30	NA	99	120	NA	ND	ND	ND	ND
4/21/2009	NA	NA	0.12	NA	NA	NA	NA	1.1	0.84	0.38	0.38	NA	89	110	NA	ND	ND	ND	ND
8/3/2009	NA	NA	0.20	NA	NA	NA	NA	ND	ND	ND	ND	NA	180	220	ND	ND	ND	ND	ND
8/3/2009	NA	NA	0.20	NA	NA	NA	NA	ND	ND	ND	ND	NA	180	220	ND	ND	ND	ND	ND

MWR-25																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.00	300	3,100	1,800	NA	180	100	5.7	270	1.2	9.3	0.051	ND	ND	2.2	800	0.20	230
11/28/2005	6.88	23	3,000	2,000	NA	160	79	3.2	260	1.5	9.0	0.053	ND	ND	2.3	770	0.14	260
2/7/2006	6.76	ND	3,000	1,900	NA	200	100	3.2	270	1.3	11	0.071	ND	ND	2.3	820	ND	240
5/1/2006	6.75	ND	2,800	2,200	860	170	90	2.7	250	0.97	9.3	0.068	ND	ND	2.2	730	0.22	200
8/3/2006	6.13	50	2,904	2,200	860	180	100	4.0	270	1.4	9.7	0.064	0.0033	ND	2.2	750	0.14	210
8/3/2006	6.13	23	2,904	2,200	820	170	94	3.2	320	1.3	9.7	0.063	0.0032	ND	2.1	740	0.15	210
10/25/2006	6.27	>1,600	2,909	2,000	840	180	97	3.8	270	1.7	9.2	0.075	0.0058	0.0030	2.2	700	0.14	210
10/25/2006	6.27	220	2,909	6,000	870	180	100	3.5	260	1.8	9.1	0.072	0.0056	0.0033	2.2	740	0.40	220
1/29/2007	6.65	50	2,939	1,900	810	170	92	3.4	280	1.5	11	0.067	0.0027	ND	1.9	750	0.16	230
4/30/2007	6.45	4	2,862	1,900	780	170	88	5.4	260	1.6	11	0.068	0.0029	ND	2.1	750	0.14	210
4/30/2007	6.45	ND	2,862	2,000	790	170	88	5.6	260	1.4	11	0.066	0.0031	ND	2.2	760	0.15	220
8/1/2007	6.36	23	2,850	2,000	770	170	84	4.0	240	1.7	11	0.069	0.0028	ND	2.1	790	0.18	220
11/5/2007	6.40	ND	2,867	2,000	800	170	89	3.1	260	1.7	8.9	0.072	0.0026	ND	2.1	740	0.15	210
11/5/2007	6.40	ND	2,867	1,900	790	170	88	4.3	260	1.8	8.7	0.071	0.0024	ND	2.1	750	0.16	210
2/6/2008	6.30	ND	2,965	2,000	800	170	91	3.5	260	1.5	8.8	0.074	0.0045	ND	1.9	740	0.19	230
4/24/2008	6.51	ND	2,943	2,300	570	130	58	1.7	180	0.02	10	0.072	0.0043	0.0024	2.0	770	0.17	250
8/20/2008	6.38	ND	2,945	2,200	830	180	93	3.1	250	2.1	10	NA	NA	NA	2.0	790	NA	270
11/18/2008	6.30	70	2,924	1,900	830	180	93	3.3	250	2.3	10	NA	NA	NA	2.0	710	NA	240
11/18/2008	6.30	80	2,924	1,800	810	170	93	3.1	250	2.4	9.8	NA	NA	NA	2.0	730	NA	240
2/12/2009	6.45	2	2,847	1,700	810	170	93	2.8	250	1.8	9.2	NA	NA	NA	1.9	700	NA	240
4/21/2009	6.36	ND	2,931	1,900	810	170	94	3.4	250	1.9	9.4	NA	NA	NA	1.9	710	NA	250
8/3/2009	7.54	ND	2,955	2,600	850	187	94	3.0	280	2.7	11	NA	NA	NA	1.87	770	NA	274

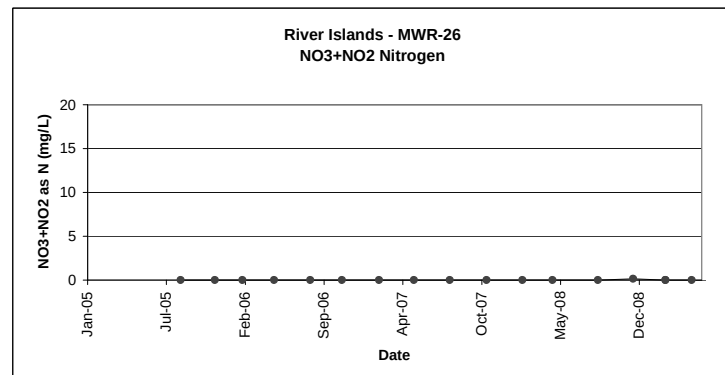
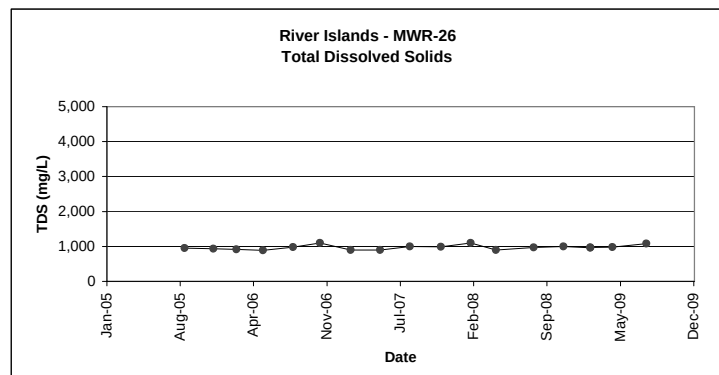
ND is "not detected".
NA is "not analyzed".



MWR-25 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	0.0023	0.18	ND	ND	ND	ND	0.49	0.32	ND	ND	NA	170	207.4	ND	ND	ND	ND	ND
11/28/2005	ND	0.0035	0.17	ND	ND	ND	0.37	0.60	0.30	ND	ND	NA	180	219.6	ND	ND	ND	ND	ND
2/7/2006	ND	ND	0.21	ND	ND	ND	ND	0.40	0.25	ND	ND	NA	180	220	ND	ND	ND	ND	ND
5/1/2006	ND	0.0035	0.20	ND	ND	ND	0.23	0.40	0.31	ND	ND	NA	170	205	ND	ND	ND	ND	ND
8/3/2006	0.0068	0.0036	0.24	ND	ND	ND	0.20	0.43	0.20	ND	ND	NA	160	200	ND	ND	ND	ND	ND
8/3/2006	0.0069	0.0032	0.24	ND	ND	ND	0.21	0.40	0.20	ND	ND	NA	170	200	ND	ND	ND	ND	ND
10/25/2006	0.0075	0.0038	0.26	ND	ND	ND	0.22	0.51	0.22	ND	ND	NA	160	190	ND	ND	ND	ND	ND
10/25/2006	0.0071	0.0039	0.26	ND	ND	ND	0.26	0.42	0.20	ND	ND	NA	160	200	ND	ND	ND	ND	ND
1/29/2007	0.011	0.0032	0.23	ND	ND	ND	0.23	0.28	0.15	ND	ND	NA	160	200	NA	ND	ND	ND	ND
4/30/2007	0.0099	0.0035	0.24	ND	ND	ND	0.47	0.59	ND	ND	ND	NA	180	220	NA	ND	ND	ND	ND
4/30/2007	0.0090	0.0030	0.25	ND	ND	ND	0.52	0.54	0.11	ND	ND	NA	180	220	NA	ND	ND	ND	ND
8/1/2007	0.0062	0.0032	0.24	ND	ND	ND	0.04	0.55	0.20	ND	ND	NA	160	200	NA	ND	ND	ND	ND
11/5/2007	ND	0.0038	0.23	ND	ND	ND	0.17	0.33	0.31	ND	ND	NA	150	180	NA	ND	ND	ND	ND
11/5/2007	ND	0.0038	0.25	ND	ND	ND	0.18	0.41	0.33	ND	ND	NA	150	180	NA	ND	ND	ND	ND
2/6/2008	ND	0.0036	0.19	ND	ND	ND	0.17	0.22	0.15	ND	ND	NA	180	220	NA	ND	ND	ND	ND
4/24/2008	ND	0.0032	0.50	ND	ND	ND	0.15	0.42	0.17	ND	ND	NA	200	250	NA	ND	ND	ND	ND
8/20/2008	NA	NA	0.22	NA	NA	NA	NA	0.34	0.26	ND	ND	NA	170	210	NA	ND	ND	ND	ND
11/18/2008	NA	NA	0.23	NA	NA	NA	NA	0.32	0.25	ND	ND	NA	170	210	NA	ND	ND	ND	ND
11/18/2008	NA	NA	0.22	NA	NA	NA	NA	0.30	0.22	ND	ND	NA	170	210	NA	ND	ND	ND	ND
2/12/2009	NA	NA	0.22	NA	NA	NA	NA	0.30	0.21	ND	ND	NA	160	200	NA	ND	ND	ND	ND
4/21/2009	NA	NA	0.22	NA	NA	NA	NA	0.28	0.22	ND	ND	NA	160	200	NA	ND	ND	ND	ND
8/3/2009	NA	NA	0.20	NA	NA	NA	NA	0.42	ND	ND	ND	NA	150	190	ND	ND	ND	ND	ND

MWR-26																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.43	900	1,500	950	NA	69	42	6.1	200	1.0	0.28	0.068	ND	ND	0.68	220	0.38	270
11/28/2005	7.42	4	1,500	930	NA	63	34	3.1	190	1.6	0.27	0.080	ND	ND	0.64	200	0.35	270
2/8/2006	7.31	ND	1,500	920	NA	69	37	2.8	200	1.6	0.29	0.086	ND	ND	0.66	200	0.13	270
5/1/2006	7.24	ND	1,500	890	340	68	38	2.8	200	2.1	0.27	0.090	ND	ND	0.67	210	0.30	270
8/3/2006	6.52	130	1,508	980	340	71	40	3.2	210	2.0	0.36	0.083	0.00093	ND	0.57	200	0.24	260
10/25/2006	6.69	240	1,493	1,100	330	68	38	2.8	200	2.2	0.28	0.11	0.0021	0.0029	0.67	210	0.27	260
1/29/2007	6.86	4	1,479	900	320	67	36	3.1	200	2.2	0.31	0.08	0.00091	ND	0.31	210	0.29	260
4/30/2007	6.93	2	1,509	900	320	67	37	4.9	200	2.4	0.30	0.089	0.00082	ND	0.65	210	0.24	280
8/1/2007	6.87	7	1,469	1,000	320	67	38	3.4	180	2.2	0.27	0.11	ND	ND	0.62	210	0.29	280
11/5/2007	6.80	ND	1,484	990	340	69	40	2.8	190	2.9	0.25	0.13	ND	ND	0.59	210	0.28	260
2/6/2008	6.80	ND	1,407	1,100	340	67	40	2.6	180	2.8	0.24	0.13	0.0013	0.0022	0.55	210	0.24	270
4/24/2008	6.90	ND	1,533	900	350	71	42	2.6	180	3.0	0.24	0.13	0.0013	0.0037	0.62	240	0.24	260
8/20/2008	6.74	ND	1,656	970	380	76	45	2.7	190	3.7	0.26	NA	NA	NA	0.75	280	NA	250
11/20/2008	6.81	17	1,714	1,000	400	81	47	2.8	190	3.8	0.26	NA	NA	NA	0.78	300	NA	230
2/12/2009	6.71	2	1,623	960	390	77	47	2.6	190	3.7	0.26	NA	NA	NA	0.75	270	NA	230
2/12/2009	6.71	ND	1,623	970	390	77	47	2.7	190	3.6	0.25	NA	NA	NA	0.75	270	NA	230
4/21/2009	6.74	50	1,670	980	390	77	48	3.2	190	3.6	0.25	NA	NA	NA	0.78	270	NA	240
8/5/2009	6.78	ND	1,798	1,080	480	98	57	3	200	4.95	0.28	NA	NA	NA	0.57	314	NA	240

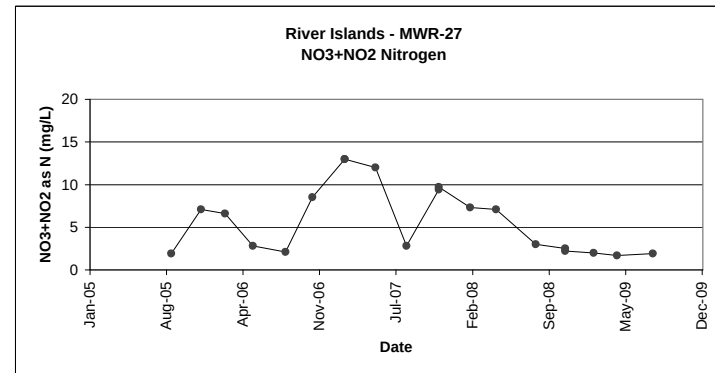
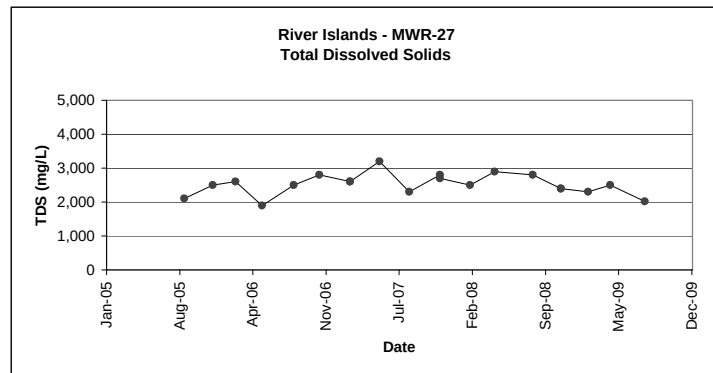
ND is "not detected".
NA is "not analyzed".



MWR-26 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	0.0098	0.71	ND	ND	ND	ND	0.50	0.25	ND	ND	NA	120	146.4	ND	ND	ND	ND	ND
11/28/2005	ND	0.0091	0.65	ND	ND	ND	ND	0.44	0.33	ND	ND	NA	190	231.8	ND	ND	ND	ND	ND
2/8/2006	ND	0.0080	0.74	ND	ND	ND	ND	0.59	0.21	ND	ND	NA	200	240	ND	ND	ND	ND	ND
5/1/2006	ND	0.0066	0.73	ND	ND	ND	ND	0.50	0.22	ND	ND	NA	190	230	ND	ND	ND	ND	ND
8/3/2006	0.0070	0.0074	0.80	ND	ND	ND	0.22	0.28	ND	ND	ND	NA	190	230	ND	ND	ND	ND	ND
10/25/2006	0.0072	0.0085	0.83	ND	ND	ND	0.23	0.77	0.10	ND	ND	NA	190	230	ND	ND	ND	ND	ND
1/29/2007	ND	0.0061	0.77	ND	ND	ND	0.20	0.33	ND	ND	ND	NA	190	230	NA	ND	ND	ND	ND
4/30/2007	0.0054	0.0060	0.74	ND	ND	ND	0.27	0.61	ND	ND	ND	NA	220	270	NA	ND	ND	ND	ND
8/1/2007	ND	0.0067	0.75	ND	ND	ND	0.029	0.42	ND	ND	ND	NA	190	230	NA	ND	ND	ND	ND
11/5/2007	ND	0.0071	0.72	ND	ND	ND	0.024	0.20	0.15	ND	ND	NA	170	210	NA	ND	ND	ND	ND
2/6/2008	ND	0.0067	0.67	ND	ND	ND	0.031	0.20	0.20	ND	ND	NA	200	250	NA	ND	ND	ND	ND
4/24/2008	ND	0.0064	0.72	ND	ND	ND	0.026	0.22	ND	ND	ND	NA	180	220	NA	ND	ND	ND	ND
8/20/2008	NA	NA	0.69	NA	NA	NA	NA	ND	0.14	ND	ND	NA	210	250	NA	ND	ND	ND	ND
11/20/2008	NA	NA	0.69	NA	NA	NA	NA	ND	0.12	0.15	0.15	NA	220	270	NA	ND	ND	ND	ND
2/12/2009	NA	NA	0.67	NA	NA	NA	NA	0.66	ND	ND	ND	NA	210	260	NA	ND	ND	ND	ND
2/12/2009	NA	NA	0.67	NA	NA	NA	NA	0.23	0.10	ND	ND	NA	210	260	NA	ND	ND	ND	ND
4/21/2009	NA	NA	0.69	NA	NA	NA	NA	0.22	0.10	ND	ND	NA	210	250	NA	ND	ND	ND	ND
8/5/2009	NA	NA	0.60	NA	NA	NA	NA	ND	ND	ND	ND	NA	210	260	ND	ND	ND	ND	ND

MWR-27																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.84	> 1600	3,100	2,100	NA	290	130	5.3	160	ND	2.8	0.11	ND	ND	1.5	740	ND	240
11/28/2005	7.34	170	3,500	2,500	NA	340	150	3.9	160	ND	3.8	0.15	ND	ND	2.1	890	ND	360
2/7/2006	7.37	4	3,700	2,600	NA	350	160	3.9	190	ND	3.7	0.17	ND	ND	2.5	1,000	ND	400
5/1/2006	7.44	ND	3,100	1,900	1,300	280	130	3.4	150	ND	2.2	0.14	ND	ND	1.7	750	0.98	260
8/7/2006	6.63	ND	3,164	2,500	1,200	280	120	4.0	150	ND	2.9	0.15	0.0013	ND	1.6	750	0.16	260
10/26/2006	6.88	ND	3,936	2,800	1,600	360	170	4.8	260	ND	4.2	0.20	0.0088	0.0045	2.4	1,100	0.20	470
1/30/2007	7.29	ND	4,391	2,600	1,700	390	180	5.6	300	ND	5.5	0.15	0.0024	ND	2.5	1,200	0.12	520
1/30/2007	7.29	ND	4,391	2,600	1,700	390	190	5.5	310	ND	5.5	0.15	0.0025	ND	2.6	1,200	0.11	510
5/2/2007	6.97	ND	4,065	3,200	1,600	370	170	5.7	290	ND	5.1	0.13	0.0025	ND	2.8	1,200	0.15	520
8/2/2007	6.93	8	3,205	2,300	1,200	280	120	5.7	160	ND	2.9	0.10	0.0015	ND	1.7	850	0.19	300
11/6/2007	7.00	2	3,801	2,800	1,500	360	160	6.5	240	0.032	4.6	0.14	0.0023	ND	2.4	1,100	0.18	420
11/6/2007	7.00	ND	3,801	2,700	1,600	360	160	5.2	230	ND	4.4	0.14	0.0024	ND	2.4	1,100	0.26	430
2/8/2008	7.05	ND	3,682	2,500	1,400	320	150	4.3	220	ND	3.3	0.11	0.0059	ND	2.1	990	0.18	390
4/25/2008	7.03	ND	3,800	2,900	1,500	340	150	3.5	190	ND	2.9	0.09	0.0040	ND	2.1	1,000	0.22	400
8/21/2008	7.02	13	3,347	2,800	1,100	260	120	3.2	170	ND	2.7	NA	NA	NA	1.8	810	NA	320
11/17/2008	7.00	11	3,409	2,400	1,200	280	130	3.8	170	ND	3.1	NA	NA	NA	1.8	890	NA	340
11/17/2008	7.00	ND	3,409	2,400	1,300	290	130	3.5	170	ND	3.0	NA	NA	NA	1.9	810	NA	320
2/10/2009	6.94	23	3,350	2,300	1,230	280	130	3.2	170	ND	2.4	NA	NA	NA	1.8	840	NA	330
4/20/2009	6.86	ND	3,202	2,500	1,230	280	130	3.5	190	ND	2.4	NA	NA	NA	1.8	820	NA	320
8/5/2009	6.98	ND	3,383	2,020	1,370	315	141	4.0	192	ND	3.0	NA	NA	NA	1.6	790	NA	330

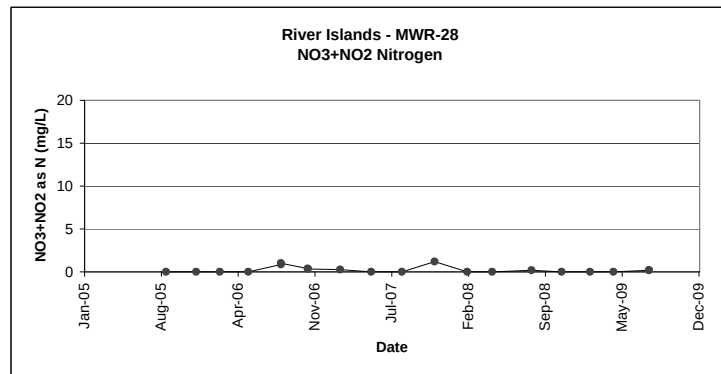
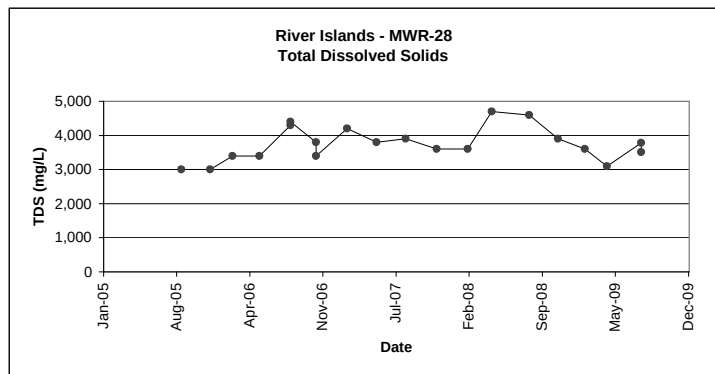
ND is "not detected".
NA is "not analyzed".



MWR-27 copntinued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	ND	0.12	ND	ND	ND	ND	0.36	0.22	1.9	1.9	NA	390	476	ND	ND	ND	ND	ND
11/28/2005	ND	0.0020	0.12	ND	ND	ND	0.16	0.40	0.21	7.1	7.1	NA	240	293	ND	ND	ND	ND	ND
2/7/2006	ND	ND	0.15	ND	ND	ND	ND	0.39	0.22	6.6	6.6	NA	280	340	ND	ND	ND	ND	ND
5/1/2006	ND	ND	0.12	ND	ND	ND	ND	0.31	0.13	2.8	2.8	NA	400	490	ND	ND	ND	ND	ND
8/7/2006	0.0064	0.0029	0.13	0.0002	ND	ND	0.080	0.26	ND	2.1	2.1	NA	250	310	ND	ND	ND	ND	ND
10/26/2006	0.0067	0.0020	0.20	ND	ND	ND	0.058	0.31	ND	8.5	8.5	NA	240	300	ND	ND	ND	ND	ND
1/30/2007	0.0050	0.0021	0.26	ND	ND	ND	0.15	0.48	ND	13	13	NA	250	300	NA	ND	ND	ND	ND
1/30/2007	0.0063	0.0021	0.27	ND	ND	ND	0.21	0.59	ND	13	13	NA	240	300	NA	ND	ND	ND	ND
5/2/2007	ND	0.0021	0.24	0.0005	ND	ND	0.17	0.55	ND	12	12	NA	270	340	NA	ND	ND	ND	ND
8/2/2007	0.0050	0.0020	0.14	0.0005	ND	ND	0.079	0.15	ND	2.8	2.8	NA	260	320	NA	ND	ND	ND	ND
11/6/2007	ND	0.0023	0.21	0.0002	ND	ND	0.084	ND	ND	9.4	9.4	NA	230	280	NA	ND	ND	ND	ND
11/6/2007	ND	0.0023	0.20	0.0002	ND	ND	0.084	ND	ND	9.7	9.7	NA	220	270	NA	ND	ND	ND	ND
2/8/2008	ND	0.0019	0.17	ND	ND	ND	0.081	ND	ND	7.3	7.3	NA	270	330	NA	ND	ND	ND	ND
4/25/2008	ND	0.0018	0.16	0.00029	ND	ND	0.082	0.32	ND	7.1	7.1	NA	270	330	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.16	NA	NA	NA	NA	0.14	ND	3.0	3.0	NA	260	320	NA	ND	ND	ND	ND
11/17/2008	NA	NA	0.18	NA	NA	NA	NA	ND	ND	2.5	ND	NA	280	340	NA	ND	ND	ND	ND
11/17/2008	NA	NA	0.18	NA	NA	NA	NA	ND	ND	2.2	2.2	NA	270	330	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.17	NA	NA	NA	NA	0.14	ND	2.0	2.0	NA	270	330	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.17	NA	NA	NA	NA	0.17	ND	1.7	1.7	NA	270	330	NA	ND	ND	ND	ND
8/5/2009	NA	NA	0.20	NA	NA	NA	NA	0.80	ND	1.9	1.9	NA	260	310	ND	ND	ND	ND	ND

MWR-28																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.66	8	5,100	3,000	NA	390	190	6.2	400	ND	11	0.078	ND	ND	3.2	1,300	ND	660
11/29/2005	7.07	ND	5,000	3,000	NA	410	200	6.3	430	ND	12	0.079	ND	ND	3.4	1,300	ND	710
2/7/2006	7.16	2	4,900	3,400	NA	410	190	5.7	400	ND	12	0.067	ND	ND	3.3	1,300	ND	750
5/2/2006	7.45	2	4,700	3,400	1,800	420	200	5.2	370	ND	11	0.058	ND	ND	3.2	1,200	1.2	640
8/7/2006	6.52	ND	5,284	4,300	1,800	400	190	5.6	440	ND	13	0.072	0.0036	ND	3.2	1,300	0.14	710
8/7/2006	6.52	ND	5,284	4,400	1,900	430	200	6.3	460	ND	12	0.072	0.0037	ND	3.2	1,300	0.15	730
10/26/2006	6.82	ND	5,286	3,800	1,800	390	200	7.2	480	ND	11	0.068	0.011	0.0037	3.4	1,300	0.17	750
10/26/2006	6.82	13	5,286	3,400	1,800	400	200	6.6	480	ND	11	0.069	0.011	0.0033	3.4	1,300	0.18	750
1/30/2007	6.82	13	5,245	4,200	1,800	410	200	7.0	430	ND	13	0.058	0.0027	ND	3.0	1,300	ND	700
5/2/2007	6.79	ND	5,282	3,800	1,800	400	190	6.8	420	ND	12	0.056	0.0028	ND	3.6	1,300	0.13	720
8/1/2007	6.76	280	5,307	3,900	1,800	410	190	7.4	390	ND	14	0.057	0.0033	ND	3.4	1,400	0.21	750
11/6/2007	6.80	> 1,600	5,432	3,600	1,800	400	190	11	480	ND	11	0.063	0.0032	ND	3.6	1,300	0.30	740
2/11/2008	7.01	ND	5,318	3,600	1,800	410	200	6.5	440	ND	10	0.052	0.0065	ND	3.5	1,300	0.13	710
4/25/2008	6.86	ND	5,244	4,700	1,800	410	200	5.6	410	ND	9.4	0.051	0.0054	ND	3.4	1,400	0.22	730
8/20/2008	6.76	ND	5,244	4,600	1,800	400	200	5.4	400	ND	12	NA	NA	NA	3.4	1,300	NA	690
11/18/2008	6.70	7	5,059	3,900	1,800	400	190	5.5	360	ND	13	NA	NA	NA	3.5	1,300	NA	620
2/10/2009	6.71	ND	5,142	3,600	1,850	410	200	5.6	360	ND	12	NA	NA	NA	3.3	1,200	NA	660
4/20/2009	6.60	ND	4,980	3,100	1,780	400	190	5.7	400	ND	11	NA	NA	NA	3.2	1,200	NA	640
8/4/2009	6.95	1,600	5,138	3,780	1,910	440	197	7.0	447	0.12	12	NA	NA	NA	3.25	1,380	NA	830
8/4/2009	6.95	>1,600	5,138	3,510	1,890	435	196	6.0	437	0.12	12	NA	NA	NA	3.22	1,380	NA	830

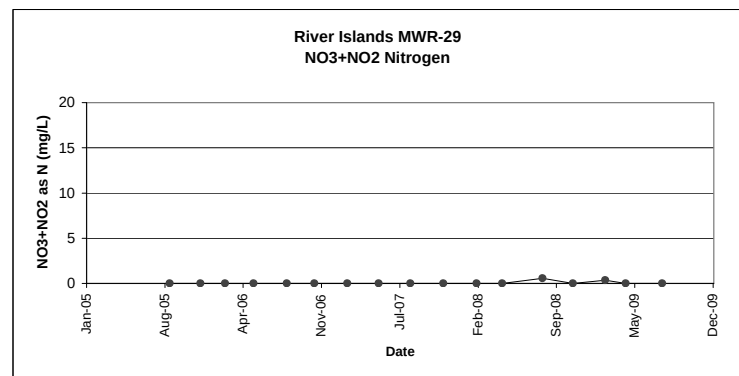
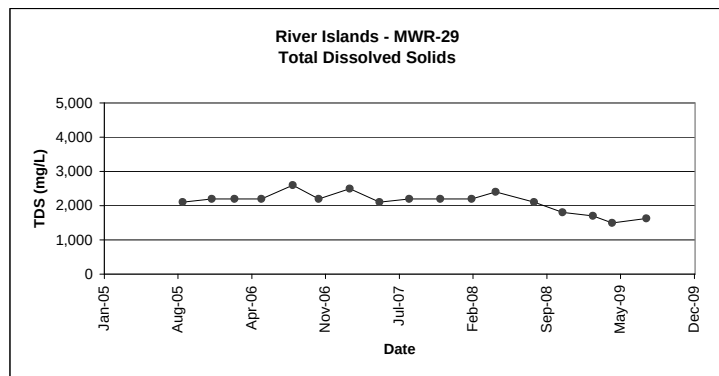
ND is "not detected".
NA is "not analyzed".



MWR-28 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	ND	0.28	ND	ND	ND	0.38	0.64	0.53	ND	ND	NA	410	500	ND	ND	ND	ND	ND
11/29/2005	ND	ND	0.37	ND	ND	ND	0.38	0.58	0.36	ND	ND	NA	420	512	ND	ND	ND	ND	ND
2/7/2006	ND	ND	0.35	ND	ND	ND	0.43	0.55	0.25	ND	ND	NA	410	500	ND	ND	ND	ND	ND
5/2/2006	ND	0.0042	0.31	ND	ND	ND	0.23	0.55	0.31	ND	ND	NA	380	465	ND	ND	ND	ND	ND
8/7/2006	0.0054	0.0044	0.42	0.0002	ND	ND	0.18	0.59	0.11	0.85	0.85	NA	370	460	ND	ND	ND	ND	ND
8/7/2006	0.0055	0.0049	0.46	ND	ND	ND	0.18	0.66	0.11	1.0	1.0	NA	380	460	ND	ND	ND	ND	ND
10/26/2006	0.0085	0.0026	0.44	ND	ND	ND	0.14	0.54	ND	0.37	0.37	NA	370	450	ND	ND	ND	ND	ND
10/26/2006	ND	0.0028	0.41	ND	ND	ND	0.14	0.49	ND	0.33	0.33	NA	370	450	ND	ND	ND	ND	ND
1/30/2007	0.012	0.0029	0.40	ND	ND	ND	0.28	0.70	0.11	0.25	0.25	NA	380	460	NA	ND	ND	ND	ND
5/2/2007	0.0063	0.0030	0.37	ND	ND	ND	0.38	0.75	ND	ND	ND	NA	430	520	NA	ND	ND	ND	ND
8/1/2007	0.011	0.0030	0.38	ND	ND	ND	0.18	0.90	0.14	ND	ND	NA	390	480	NA	ND	ND	ND	ND
11/6/2007	ND	0.0033	0.54	ND	ND	ND	0.20	0.24	0.17	1.2	1.2	NA	360	430	NA	ND	ND	ND	ND
2/11/2008	ND	0.0024	0.41	ND	ND	ND	0.18	0.24	0.10	ND	ND	NA	410	500	NA	ND	ND	ND	ND
4/25/2008	ND	0.0025	0.35	ND	ND	ND	0.17	0.37	0.14	ND	ND	NA	420	520	NA	ND	ND	ND	ND
8/20/2008	NA	NA	0.35	NA	NA	NA	NA	0.25	0.21	0.18	0.18	NA	390	480	NA	ND	ND	ND	ND
11/18/2008	NA	NA	0.29	NA	NA	NA	NA	0.35	0.17	ND	ND	NA	410	510	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.3	NA	NA	NA	NA	0.40	0.17	ND	ND	NA	400	490	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.31	NA	NA	NA	NA	0.35	0.18	ND	ND	NA	300	370	NA	ND	ND	ND	ND
8/4/2009	NA	NA	0.50	NA	NA	NA	NA	0.60	ND	0.20	0.20	NA	370	450	ND	ND	ND	ND	ND
8/4/2009	NA	NA	0.50	NA	NA	NA	NA	1.00	ND	0.20	0.20	NA	370	450	ND	ND	ND	ND	ND

MWR-29																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.43	50	3,400	2,100	NA	310	100	7.4	300	9.7	6.9	0.11	ND	ND	2.2	760	ND	530
11/29/2005	7.10	2	3,500	2,200	NA	320	110	8.5	310	7.3	6.8	0.10	ND	ND	2.5	840	ND	550
2/8/2006	7.17	ND	3,400	2,200	NA	300	97	6.6	320	9.3	7.0	0.095	ND	ND	2.3	780	ND	520
5/2/2006	7.27	1.8	3,300	2,200	1,100	300	98	6.0	290	7.0	6.1	0.082	ND	ND	2.3	720	0.94	480
8/7/2006	6.35	ND	3,346	2,600	1,100	290	93	6.7	320	8.3	6.3	0.090	0.0037	ND	2.0	680	0.13	460
10/26/2006	6.93	9	3,292	2,200	970	250	84	6.3	330	8.5	5.4	0.088	0.0047	0.003	2.0	660	0.18	470
1/30/2007	7.29	ND	3,112	2,500	930	240	81	6.2	290	7.8	6.1	0.072	0.00089	ND	1.6	620	0.14	410
5/2/2007	7.00	ND	3,075	2,100	920	240	79	6.4	280	6.3	5.3	0.071	0.00098	ND	1.8	610	0.13	420
8/2/2007	6.87	2	3,108	2,200	930	250	76	5.5	270	6.8	5.5	0.076	0.0010	ND	1.8	670	0.14	450
11/6/2007	7.00	30	3,338	2,200	1,000	260	85	7.0	310	7.2	5.6	0.090	0.0014	ND	2.1	700	ND	460
2/11/2008	7.26	ND	3,327	2,200	960	250	81	5.6	330	8.1	5.7	0.088	0.0038	ND	1.9	710	0.14	470
4/25/2008	7.05	ND	3,333	2,400	970	250	80	5.2	310	7.3	4.6	0.083	0.0029	ND	2.0	750	0.14	480
8/21/2008	6.98	ND	3,114	2,100	840	220	71	4.6	280	6.7	4.7	NA	NA	NA	1.9	660	NA	400
11/17/2008	6.90	ND	2,951	1,800	800	210	66	5.1	220	6.0	4.2	NA	NA	NA	1.5	550	NA	360
2/19/2009	7.01	ND	2,586	1,700	810	210	70	4.1	220	5.7	4.3	NA	NA	NA	1.3	500	NA	350
4/20/2009	6.87	ND	2,698	1,500	820	210	73	4.1	230	3.1	4.9	NA	NA	NA	1.4	490	NA	330
8/4/2009	7.10	ND	2,434	1,630	900	234	77	4.0	191	6.1	6.15	NA	NA	NA	0.8	410	NA	370

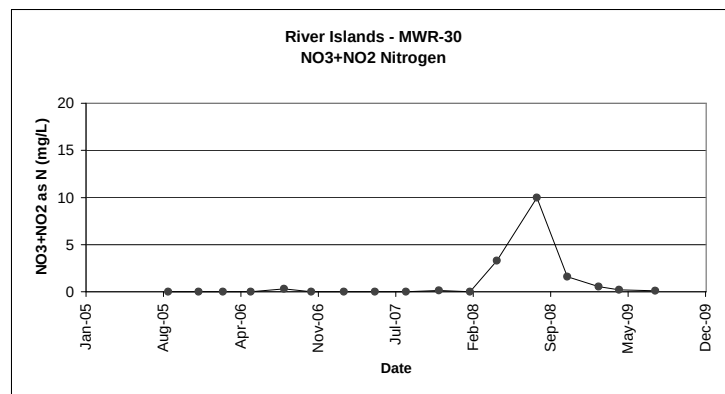
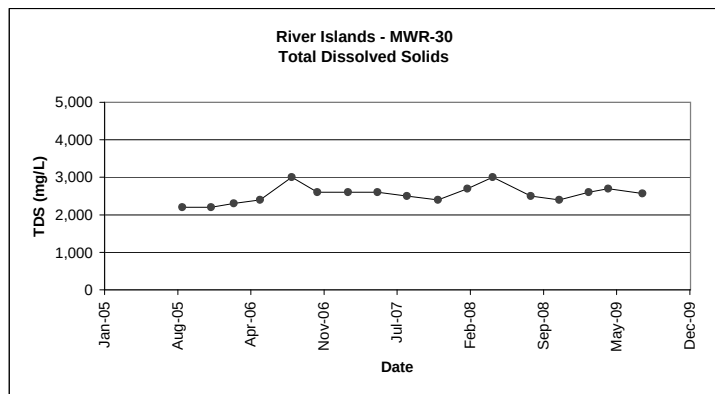
ND is "not detected".
NA is "not analyzed".



MWR-29 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	0.0052	0.23	ND	ND	ND	ND	0.54	0.50	ND	ND	NA	350	427	ND	ND	ND	ND	ND
11/29/2005	ND	0.0071	0.36	ND	ND	0.0012	ND	0.72	0.59	ND	ND	NA	340	415	ND	ND	ND	ND	ND
2/8/2006	ND	0.0067	0.42	ND	ND	ND	ND	0.88	0.47	ND	ND	NA	360	440	ND	ND	ND	ND	ND
5/2/2006	ND	0.0074	0.40	ND	ND	ND	ND	0.71	0.50	ND	ND	NA	330	405	ND	ND	ND	ND	ND
8/7/2006	0.0056	0.0110	0.55	0.0002	ND	ND	0.42	0.66	0.29	ND	ND	NA	320	390	ND	ND	ND	ND	ND
10/26/2006	ND	0.0082	0.59	ND	ND	ND	0.37	0.68	0.26	ND	ND	NA	310	380	ND	ND	ND	ND	ND
1/30/2007	0.0063	0.0083	0.56	ND	ND	ND	0.82	0.58	0.25	ND	ND	NA	320	390	NA	ND	ND	ND	ND
5/2/2007	ND	0.0071	0.53	ND	ND	ND	0.53	0.78	0.20	ND	ND	NA	360	440	NA	ND	ND	ND	ND
8/2/2007	0.0058	0.0067	0.54	ND	ND	ND	0.040	0.78	0.22	ND	ND	NA	310	380	NA	ND	ND	ND	ND
11/6/2007	ND	0.0082	0.55	ND	ND	ND	0.025	0.50	0.40	ND	ND	NA	270	330	NA	ND	ND	ND	ND
2/11/2008	ND	0.0072	0.62	ND	ND	ND	0.11	0.46	0.32	ND	ND	NA	300	360	NA	ND	ND	ND	ND
4/25/2008	ND	0.0063	0.58	ND	ND	ND	0.083	0.54	0.33	ND	ND	NA	310	370	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.50	NA	NA	NA	NA	0.36	0.31	0.57	0.57	NA	270	330	NA	ND	ND	ND	ND
11/17/2008	NA	NA	0.43	NA	NA	NA	NA	0.39	0.30	ND	ND	NA	350	430	NA	ND	ND	ND	ND
2/19/2009	NA	NA	0.39	NA	NA	NA	NA	0.35	0.19	0.34	0.34	NA	370	450	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.42	NA	NA	NA	NA	0.37	0.24	ND	ND	NA	360	440	NA	ND	ND	ND	ND
8/4/2009	NA	NA	0.30	NA	NA	NA	NA	ND	ND	ND	ND	NA	370	450	ND	ND	ND	ND	ND

MWR-30																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.65	900	3,300	2,200	NA	340	130	8.9	190	ND	5.3	0.099	ND	ND	1.8	720	0.2	440
11/29/2005	7.06	ND	3,200	2,200	NA	350	130	6.6	180	ND	5.1	0.069	ND	ND	1.9	710	ND	460
2/8/2006	7.20	ND	3,200	2,300	NA	360	120	5.1	180	ND	5.4	0.090	ND	ND	1.9	750	ND	480
5/1/2006	7.31	ND	3,200	2,400	1,500	350	120	4.5	170	ND	4.4	0.084	ND	ND	1.8	680	1.1	430
8/7/2006	6.69	4	3,571	3,000	1,500	380	130	4.1	190	0.091	7.4	0.15	0.0027	ND	1.9	760	ND	500
10/26/2006	6.91	4	3,606	2,600	1,400	360	130	5.1	200	ND	7.4	0.13	0.0092	0.004	2.0	780	0.13	530
1/30/2007	7.04	ND	3,538	2,600	1,400	360	130	5.6	190	ND	7.7	0.11	0.0026	ND	1.8	770	ND	490
5/2/2007	6.92	ND	3,601	2,600	1,400	350	130	6.2	190	ND	5.9	0.10	0.0021	ND	2.1	790	ND	510
8/1/2007	6.82	2	3,680	2,500	1,500	380	130	5.4	180	ND	7.9	0.12	0.0034	ND	2.0	840	ND	540
11/6/2007	7.00	14	3,709	2,400	1,500	390	130	6.0	190	ND	6.0	0.11	0.0025	0.0032	2.1	800	ND	520
2/6/2008	6.80	ND	3,687	2,700	1,500	380	140	5.1	190	ND	4.5	0.10	0.0069	0.0024	1.9	820	0.10	560
4/25/2008	6.89	ND	3,765	3,000	1,500	400	130	4.5	190	ND	6.0	0.10	0.0056	0.0029	2.1	820	0.18	580
8/21/2008	7.06	ND	3,250	2,500	1,200	320	100	3.7	220	ND	4.3	NA	NA	NA	1.7	600	NA	580
11/18/2008	6.91	ND	3,595	2,400	1,400	360	120	4.6	180	ND	6.9	NA	NA	NA	2.1	740	NA	550
2/18/2009	6.89	ND	3,505	2,600	1,430	360	130	4.2	190	ND	5.0	NA	NA	NA	2.0	750	NA	570
4/20/2009	6.73	ND	3,466	2,700	1,520	380	140	4.4	180	0.014	4.5	NA	NA	NA	1.9	790	NA	560
8/4/2009	6.94	2	3,468	2,570	1,610	415	139	5.0	193	0.13	9.5	NA	NA	NA	1.5	760	NA	580

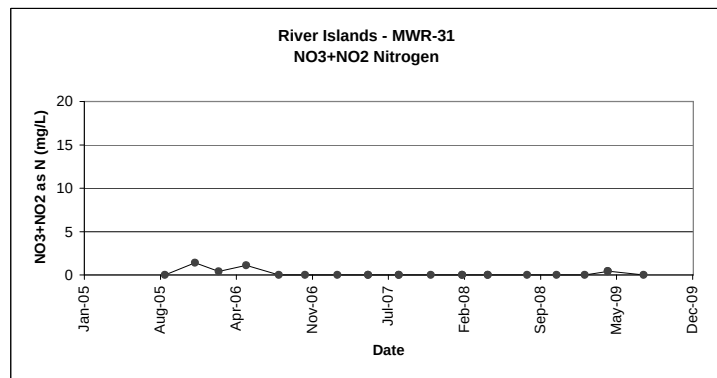
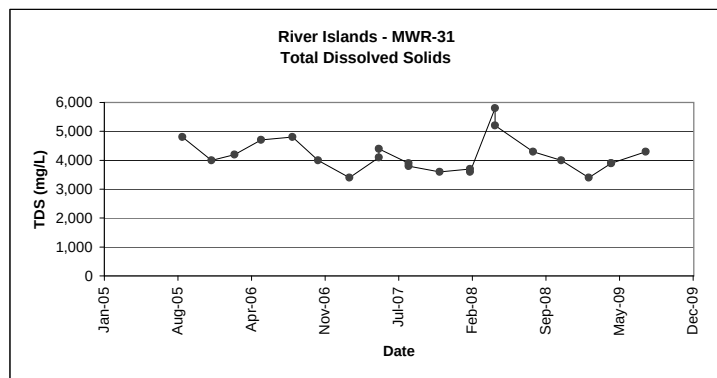
ND is "not detected".
NA is "not analyzed".



MWR-30 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	ND	0.10	ND	ND	ND	0.21	0.39	0.37	ND	ND	NA	450	549	ND	ND	ND	ND	ND
11/29/2005	ND	0.0024	0.069	ND	ND	ND	ND	0.21	0.20	ND	ND	NA	380	464	ND	ND	ND	ND	ND
2/8/2006	ND	0.0029	0.089	ND	ND	ND	0.24	0.42	0.29	ND	ND	NA	380	460	ND	ND	ND	ND	ND
5/1/2006	ND	ND	0.074	ND	ND	ND	0.15	0.36	ND	ND	ND	NA	380	465	ND	ND	ND	ND	ND
8/7/2006	0.0058	0.0041	0.098	0.0007	ND	ND	0.11	0.44	ND	0.29	0.29	NA	370	450	ND	ND	ND	ND	ND
10/26/2006	ND	0.0027	0.096	0.00049	ND	ND	0.08	0.38	ND	ND	ND	NA	360	440	ND	ND	ND	ND	ND
1/30/2007	0.008	0.0026	0.094	0.00020	ND	ND	0.44	0.36	ND	ND	ND	NA	360	440	NA	ND	ND	ND	ND
5/2/2007	ND	0.0027	0.10	ND	ND	ND	0.25	0.50	ND	ND	ND	NA	400	490	NA	ND	ND	ND	ND
8/1/2007	0.0058	0.0030	0.10	0.0003	ND	ND	0.11	0.74	ND	ND	ND	NA	380	470	NA	ND	ND	ND	ND
11/6/2007	ND	0.0029	0.10	0.0004	ND	ND	0.11	ND	ND	0.12	0.12	NA	350	420	NA	ND	ND	ND	ND
2/6/2008	ND	0.0023	0.083	ND	ND	ND	0.10	0.15	ND	ND	ND	NA	400	490	NA	ND	ND	ND	ND
4/25/2008	ND	0.0016	0.10	0.0002	ND	ND	0.078	0.35	0.12	3.3	3.3	NA	430	530	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.23	NA	NA	NA	NA	0.24	ND	10	10	NA	400	490	NA	ND	ND	ND	ND
11/18/2008	NA	NA	0.13	NA	NA	NA	NA	0.25	ND	1.6	1.6	NA	400	490	NA	ND	ND	ND	ND
2/18/2009	NA	NA	0.13	NA	NA	NA	NA	0.37	ND	0.53	0.53	NA	380	470	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.11	NA	NA	NA	NA	ND	ND	0.20	0.20	NA	390	470	NA	ND	ND	ND	ND
8/4/2009	NA	NA	0.10	NA	NA	NA	NA	ND	ND	0.10	0.10	NA	360	440	ND	ND	ND	ND	ND

MWR-31																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.20	2	6,100	4,800	NA	570	250	7.6	390	ND	27	0.047	ND	ND	4.3	1,600	ND	880
11/29/2005	6.65	ND	6,000	4,000	NA	560	250	7.2	400	ND	26	0.042	ND	ND	4.7	1,800	ND	1,000
2/8/2006	6.81	ND	6,200	4,200	NA	600	260	6.9	430	ND	29	0.046	ND	ND	5.0	1,900	ND	1,100
5/2/2006	7.05	ND	5,900	4,700	2,200	520	230	5.3	380	ND	22	0.036	ND	ND	4.4	1,600	ND	910
8/7/2006	6.06	4	5,483	4,800	2,200	520	230	7.0	360	ND	28	0.039	0.0091	ND	3.7	1,400	ND	800
10/25/2006	6.21	ND	5,617	4,000	2,500	610	230	7.8	350	ND	24	0.044	0.017	0.0033	4.0	1,500	ND	870
1/30/2007	6.47	2	5,745	3,400	2,100	490	220	8.1	380	ND	29	0.038	0.0076	ND	3.7	1,500	ND	830
5/2/2007	6.37	ND	5,822	4,100	2,000	460	210	8.7	390	ND	27	0.043	0.0084	ND	4.3	1,500	ND	880
5/2/2007	6.37	ND	5,822	4,400	2,100	480	210	6.8	390	ND	27	0.039	0.0083	ND	4.2	1,500	ND	870
8/2/2007	6.26	4	5,521	3,900	2,100	530	200	6.5	330	ND	28	0.036	0.0081	ND	3.9	1,500	ND	860
8/2/2007	6.26	7	5,521	3,800	2,100	530	200	8.7	340	ND	27	0.036	0.0081	ND	3.9	1,500	ND	840
11/6/2007	6.5	240	5,282	3,600	2,000	460	200	10	320	0.022	22	0.035	0.0094	ND	3.7	1,300	ND	750
2/8/2008	6.38	ND	5,663	3,700	2,100	480	210	8.4	370	ND	25	0.040	0.012	ND	3.5	1,400	ND	840
2/8/2008	6.38	ND	5,663	3,600	2,100	480	210	8.4	370	ND	25	0.040	0.013	ND	3.7	1,400	ND	820
4/25/2008	6.41	ND	6,170	5,800	2,300	540	230	7.4	420	0.023	29	0.044	0.012	ND	4.1	1,600	ND	1,000
4/25/2008	6.41	ND	6,170	5,200	2,300	540	230	7.5	410	0.021	30	0.043	0.012	ND	4.3	1,600	ND	1,000
8/21/2008	6.45	31	4,882	4,300	1,800	430	180	7.0	310	ND	23	NA	NA	NA	3.7	1,200	NA	690
11/17/2008	6.30	7	5,350	4,000	1,900	430	190	7.6	310	ND	23	NA	NA	NA	3.8	1,300	NA	720
2/10/2009	6.37	ND	5,488	3,400	1,990	450	210	6.9	350	ND	23	NA	NA	NA	3.9	1,300	NA	800
4/20/2009	6.28	2	5,836	3,900	2,190	500	230	6.8	400	ND	26	NA	NA	NA	4.2	1,500	NA	900
4/20/2009	6.28	ND	5,836	3,900	2,220	510	230	6.7	400	ND	26	NA	NA	NA	4.3	1,400	NA	890
8/5/2009	6.86	ND	6,057	4,300	2,520	580	261	7.0	380	ND	29	NA	NA	NA	3.9	1,550	NA	1,370

ND is "not detected".
NA is "not analyzed".



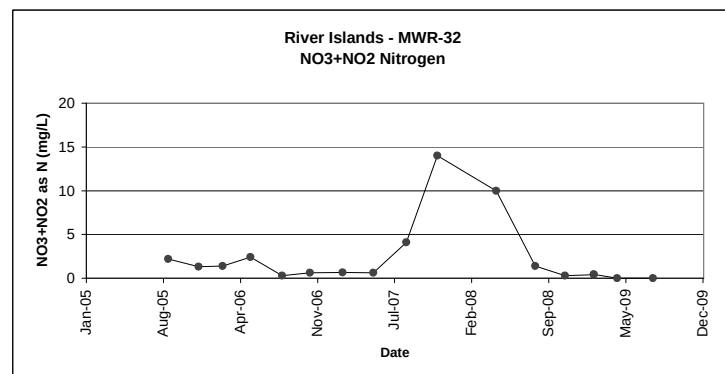
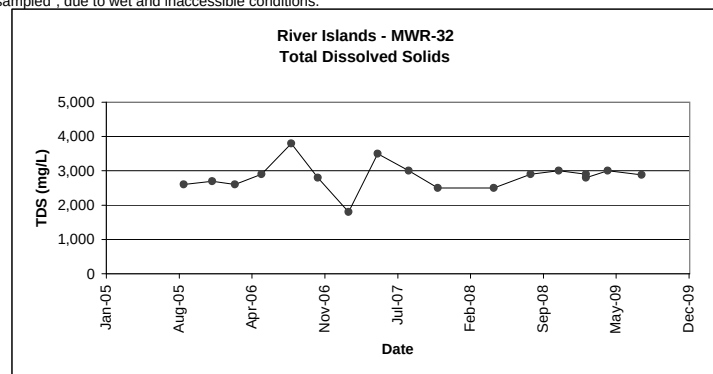
MWR-31 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	ND	0.078	ND	ND	ND	ND	0.70	0.52	ND	ND	NA	290	353.8	ND	ND	ND	ND	ND
11/29/2005	ND	ND	0.13	ND	ND	ND	ND	0.49	0.29	1.4	1.4	NA	300	366	ND	ND	ND	ND	ND
2/8/2006	ND	ND	0.12	ND	ND	ND	ND	0.72	0.52	0.40	ND	NA	300	370	ND	ND	ND	ND	ND
5/2/2006	ND	ND	0.17	ND	ND	ND	ND	0.43	0.25	1.10	1.1	NA	290	355	ND	ND	ND	ND	ND
8/7/2006	0.0057	0.0011	0.13	ND	ND	ND	0.050	0.88	0.16	ND	ND	NA	270	330	ND	ND	ND	ND	ND
10/25/2006	0.0055	0.0010	0.10	ND	ND	ND	0.043	0.96	0.22	ND	ND	NA	270	320	ND	ND	ND	ND	ND
1/30/2007	0.025	0.00074	0.12	ND	ND	ND	0.10	0.80	0.21	ND	ND	NA	280	350	NA	ND	ND	ND	ND
5/2/2007	0.014	0.00079	0.12	ND	ND	ND	0.31	0.92	0.18	ND	ND	NA	320	390	NA	ND	ND	ND	ND
5/2/2007	0.015	0.00081	0.11	ND	ND	ND	0.39	0.96	0.17	ND	ND	NA	320	390	NA	ND	ND	ND	ND
8/2/2007	0.018	0.00080	0.11	ND	ND	ND	0.050	0.88	0.19	ND	ND	NA	280	350	NA	ND	ND	ND	ND
8/2/2007	0.018	0.00077	0.11	ND	ND	ND	0.051	1.1	0.18	ND	ND	NA	280	350	NA	ND	ND	ND	ND
11/6/2007	0.0060	0.00096	0.10	0.00020	ND	ND	0.060	0.62	0.35	ND	ND	NA	250	300	NA	ND	ND	ND	ND
2/8/2008	ND	0.00084	0.095	ND	ND	ND	0.052	0.46	0.31	ND	ND	NA	310	380	NA	ND	ND	ND	ND
2/8/2008	ND	0.00086	0.096	ND	ND	ND	0.052	0.46	0.32	ND	ND	NA	310	380	NA	ND	ND	ND	ND
4/25/2008	ND	0.00056	0.13	ND	ND	ND	0.047	0.61	0.32	ND	ND	NA	340	420	NA	ND	ND	ND	ND
4/25/2008	ND	0.00052	0.13	ND	ND	ND	0.048	0.60	0.31	ND	ND	NA	330	410	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.11	NA	NA	NA	NA	0.65	0.30	ND	ND	NA	270	330	NA	ND	ND	ND	ND
11/17/2008	NA	NA	0.14	NA	NA	NA	NA	0.50	0.34	ND	ND	NA	240	290	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.14	NA	NA	NA	NA	0.63	0.21	ND	ND	NA	300	360	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.15	NA	NA	NA	NA	0.35	ND	0.42	0.42	NA	410	510	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.15	NA	NA	NA	NA	0.41	ND	0.43	0.43	NA	170	210	NA	ND	ND	ND	ND
8/5/2009	NA	NA	0.10	NA	NA	NA	NA	ND	ND	ND	ND	NA	290	350	ND	ND	ND	ND	ND

MWR-32																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.17	> 1,600	4,500	2,600	NA	350	160	10	410	ND	7.3	0.052	ND	ND	2.8	1,100	1.3	650
11/29/2005	6.98	170	4,300	2,700	NA	340	140	8.2	410	1.2	7.6	0.059	ND	0.031	2.9	1,000	ND	660
2/8/2006	7.08	ND	4,300	2,600	NA	360	140	7.0	410	ND	7.8	0.038	ND	ND	2.9	1,100	ND	680
5/2/2006	7.42	ND	4,200	2,900	1,500	370	150	5.8	350	ND	0.91	0.026	ND	ND	2.8	980	0.15	620
8/3/2006	6.16	3	4,424	3,800	1,700	410	170	8.6	360	ND	12	0.038	0.021	ND	2.7	1,000	ND	650
10/25/2006	6.65	ND	4,406	2,800	1,500	360	140	6.7	380	ND	8.3	0.037	0.0019	0.003	2.8	980	ND	670
1/29/2007	6.81	ND	4,440	1,800	1,500	360	140	7.2	380	ND	10	0.037	0.014	0.028	2.5	1,000	ND	640
4/30/2007	6.62	4	4,402	3,500	1,500	370	150	11.0	350	ND	10	0.034	0.015	ND	2.8	1,000	ND	660
8/6/2007	6.56	2	4,385	3,000	1,400	350	140	6.3	350	ND	4.5	0.031	0.0076	ND	2.7	1,000	ND	650
11/5/2007	7.00	ND	3,728	2,500	990	230	99	4.9	420	0.042	0.10	0.032	0.0035	ND	2.4	790	0.20	510
2/8/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/28/2008	6.89	ND	3,758	2,500	1,000	240	98	3.9	400	ND	0.12	0.029	0.0059	ND	2.4	830	0.17	540
8/21/2008	7.04	4	4,016	2,900	1,200	280	110	4.6	410	ND	0.38	NA	NA	NA	2.7	930	NA	560
11/17/2008	6.60	ND	4,130	3,000	1,400	340	130	5.5	330	0.12	2.9	NA	NA	NA	3.0	1,000	NA	590
2/10/2009	6.44	17	4,406	2,900	1,520	360	150	4.6	340	ND	2.9	NA	NA	NA	2.8	1,000	NA	610
2/10/2009	6.44	13	4,406	2,800	1,520	360	150	4.6	330	ND	3.5	NA	NA	NA	2.7	1,000	NA	620
4/20/2009	6.31	ND	4,236	3,000	1,540	370	150	5.2	320	ND	7.2	NA	NA	NA	2.6	970	NA	590
8/4/2009	6.59	7	3,820	2,880	1,500	375	137	7.0	311	0.13	9.8	NA	NA	NA	2.0	930	NA	590

ND is "not detected".

NA is "not analyzed".

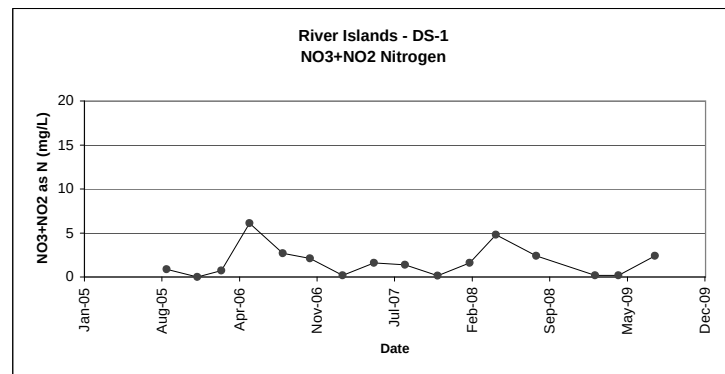
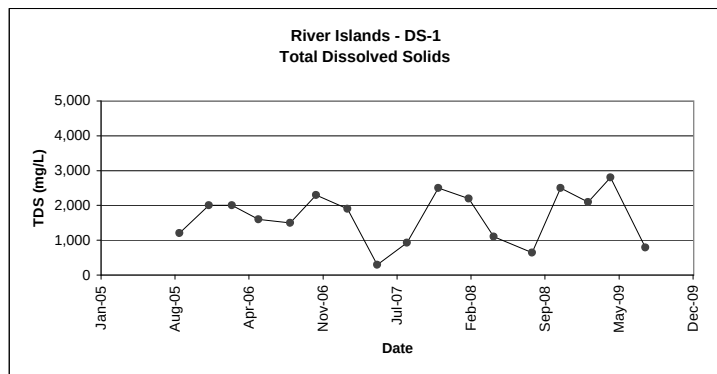
NS is "not sampled", due to wet and inaccessible conditions.



MWR-32 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2005	ND	ND	0.5	ND	ND	ND	ND	1.7	0.46	2.2	2.2	NA	430	525	ND	ND	ND	ND	ND
11/29/2005	1.3	ND	0.6	ND	ND	ND	0.23	0.64	0.32	1.3	1.3	NA	420	512	ND	ND	ND	ND	ND
2/8/2006	ND	ND	0.53	ND	ND	ND	0.19	0.67	0.55	1.4	1.4	NA	380	460	ND	ND	ND	ND	ND
5/2/2006	ND	0.0021	0.43	ND	ND	ND	ND	0.38	ND	2.4	2.4	NA	380	465	ND	ND	ND	ND	ND
8/3/2006	0.012	0.0020	0.29	0.0002	ND	ND	0.12	0.58	0.14	0.30	0.30	NA	360	440	ND	ND	ND	ND	ND
10/25/2006	0.0054	0.0017	0.60	ND	ND	ND	0.10	0.46	ND	0.62	0.62	NA	380	460	ND	ND	ND	ND	ND
1/29/2007	0.010	0.0019	0.45	ND	ND	ND	0.21	0.44	ND	0.65	0.65	NA	370	450	NA	ND	ND	ND	ND
4/30/2007	0.0096	0.0020	0.31	ND	ND	ND	0.26	0.77	ND	0.63	0.63	NA	400	490	NA	ND	ND	ND	ND
8/6/2007	ND	0.0022	0.47	ND	ND	ND	0.12	0.51	ND	4.1	4.1	NA	380	470	NA	ND	ND	ND	ND
11/5/2007	ND	0.0021	1.0	0.0005	ND	ND	0.10	1.3	ND	14	14	NA	260	320	NA	ND	ND	ND	ND
2/8/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/28/2008	ND	0.0016	0.77	0.00088	ND	ND	0.10	ND	ND	10	10	NA	310	380	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.58	NA	NA	NA	NA	1.0	ND	1.4	1.4	NA	360	440	NA	ND	ND	ND	ND
11/17/2008	NA	NA	0.37	NA	NA	NA	NA	ND	ND	0.30	ND	NA	390	480	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.32	NA	NA	NA	NA	0.31	ND	0.42	0.42	NA	390	480	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.30	NA	NA	NA	NA	0.43	ND	0.44	0.44	NA	370	450	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.20	NA	NA	NA	NA	0.21	ND	ND	ND	NA	360	430	NA	ND	ND	ND	ND
8/4/2009	NA	NA	0.20	NA	NA	NA	NA	ND	ND	ND	ND	NA	310	370	ND	ND	ND	ND	ND

DS-1																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	7.90	>1,600	2,100	1,200	NA	150	61	6.5	190	0.40	2.9	0.11	ND	ND	1.3	460	0.20	220
11/29/2005	8.21	900	3,000	2,000	NA	270	92	4.3	240	ND	4.4	0.11	ND	ND	2.1	780	ND	320
2/8/2006	7.81	130	2,900	2,000	NA	270	89	3.6	250	ND	4.1	0.12	ND	ND	2.0	740	0.11	330
5/1/2006	7.83	> 1,600	2,400	1,600	850	210	77	3.1	220	ND	2.1	0.11	ND	ND	1.6	500	0.26	270
8/7/2006	7.44	90,000	1,857	1,500	600	150	56	3.5	180	ND	2.5	0.13	0.0029	ND	1.2	400	0.17	220
10/26/2006	7.37	> 1,600	3,447	2,300	1,100	270	97	4.4	300	ND	3.7	0.12	0.0065	0.0032	2.3	770	0.20	430
1/30/2007	7.81	> 1,600	3,046	1,900	960	250	84	4.9	260	ND	5.9	0.11	0.0019	ND	1.9	720	0.11	360
5/2/2007	7.66	> 1,600	605	290	150	36	15	3.4	58	0.027	0.36	0.033	0.0014	ND	0.26	88	0.12	83
8/2/2007	7.95	> 1,600	1,500	930	310	70	32	4.1	120	0.034	0.27	0.054	0.0024	ND	0.76	230	0.17	150
11/6/2007	7.57	ND	2,572	2,500	1,200	290	110	5.2	270	ND	5.90	0.150	0.0029	ND	2.5	910	0.10	340
2/8/2008	7.53	1,600	3,446	2,200	1,100	280	100	3.9	260	0.021	3.1	0.10	0.0064	ND	2.0	790	0.16	390
4/25/2008	7.39	>1,600	792	1,100	420	100	41	3.4	130	ND	0.67	0.075	0.0057	0.0042	0.92	340	0.19	190
8/21/2008	8.18	>1,600	1,003	640	230	55	23	3.3	96	ND	0.28	NA	NA	NA	0.54	170	NA	100
11/17/2008	7.44	1,600	3,601	2,500	1,200	290	110	5.1	280	0.011	3.7	NA	NA	NA	2.5	880	NA	350
2/10/2009	7.40	500	3,165	2,100	1,040	260	96	4.2	240	ND	1.9	NA	NA	NA	2.0	800	NA	330
4/20/2009	7.47	>1,600	3,806	2,800	1180	290	110	4.9	310	NA	6.0	NA	NA	NA	2.7	960	NA	380
8/5/2009	7.75	>1,600	1,505	790	390	92	40	4.0	144	0.08	0.29	NA	NA	NA	0.7	272	NA	146

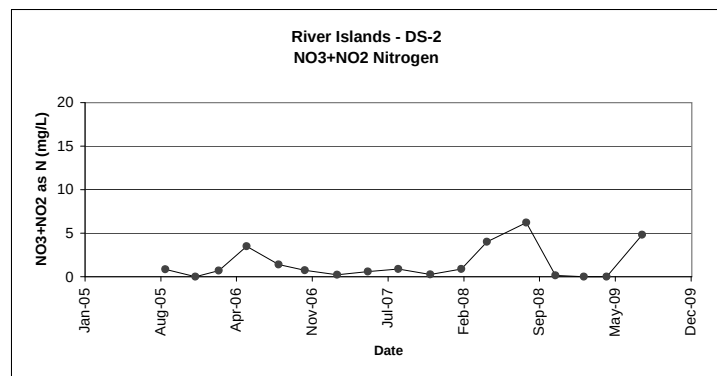
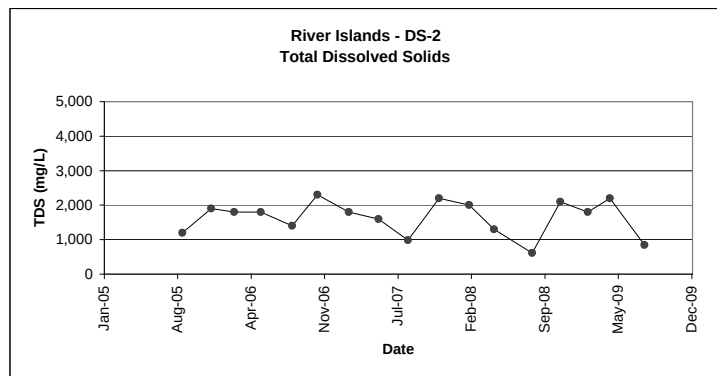
ND is "not detected".
NA is "not analyzed".



DS-1 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2006	0.45	0.004	0.37	ND	ND	ND	0.69	1.2	0.77	0.88	0.82	NA	210	256	ND	ND	ND	ND	ND
11/29/2005	ND	ND	0.16	ND	ND	ND	0.16	0.42	0.39	ND	ND	NA	260	317	ND	ND	ND	ND	ND
2/8/2006	ND	ND	0.20	ND	ND	ND	ND	0.51	0.34	0.72	0.72	NA	260	320	ND	ND	ND	ND	ND
5/1/2006	ND	ND	0.34	ND	ND	ND	0.16	0.59	0.25	6.1	6.0	NA	260	310	ND	ND	ND	ND	ND
8/7/2006	0.0069	0.004	0.40	ND	ND	ND	0.17	0.80	0.15	2.7	2.7	NA	190	230	ND	ND	ND	ND	ND
10/26/2006	0.015	0.0017	0.37	ND	ND	ND	0.053	0.63	0.14	2.1	2.1	NA	260	310	ND	ND	ND	ND	ND
1/30/2007	0.0067	0.0020	0.29	ND	ND	ND	0.051	0.69	0.24	0.17	0.17	NA	230	280	NA	ND	ND	ND	ND
5/2/2007	0.0051	0.0020	0.23	ND	ND	ND	0.35	0.79	ND	1.6	1.6	NA	89	110	NA	ND	ND	ND	ND
8/2/2007	ND	0.0027	0.46	ND	ND	ND	0.097	0.93	ND	1.4	1.4	NA	140	170	NA	ND	ND	ND	ND
11/6/2007	ND	0.0074	0.22	ND	ND	ND	0.130	0.55	0.28	0.14	0.14	NA	230	280	NA	ND	ND	ND	ND
2/8/2008	ND	0.0011	0.27	ND	ND	ND	0.024	0.50	ND	1.6	1.6	NA	230	280	NA	ND	ND	ND	ND
4/25/2008	ND	0.0039	0.36	ND	ND	ND	0.27	1.2	0.18	4.8	4.5	NA	160	200	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.30	NA	NA	NA	NA	1.6	0.98	2.4	2.3	NA	130	160	NA	ND	ND	ND	ND
11/17/2008	NA	NA	0.27	NA	NA	NA	NA	0.36	ND	ND	ND	NA	270	330	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.22	NA	NA	NA	NA	0.47	ND	0.18	0.18	NA	220	270	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.28	NA	NA	NA	NA	0.59	0.2	0.18	0.18	NA	250	310	NA	ND	ND	ND	ND
8/5/2009	NA	NA	0.40	NA	NA	NA	NA	0.60	ND	2.4	2.4	NA	130	160	ND	ND	ND	ND	ND

DS-2																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
8/31/2005	8.14	>1,600	2,100	1,200	NA	150	64	4.6	190	ND	1.7	0.099	ND	ND	1.2	460	0.22	240
11/29/2005	7.94	110	2,800	1,900	NA	240	91	3.8	220	ND	4.2	0.12	ND	ND	1.9	700	ND	320
2/8/2006	7.84	130	2,800	1,800	NA	240	89	3.6	220	ND	4.0	0.13	ND	ND	1.9	700	0.10	330
5/2/2006	8.22	1,600	2,600	1,800	860	210	81	3.0	210	0.13	2.8	0.077	ND	ND	1.6	550	0.25	290
8/7/2006	7.16	13,000	1,823	1,400	610	150	57	3.3	160	ND	2.2	0.12	0.0025	ND	1.1	370	0.14	210
10/25/2006	7.61	>1,600	3,360	2,300	1,100	280	100	4.6	270	ND	3.8	0.16	0.0067	0.0058	2.2	770	0.14	420
1/30/2007	8.48	>1,600	2,978	1,800	960	240	86	4.6	250	0.12	6.1	0.12	0.0020	ND	1.7	670	0.10	340
5/2/2007	7.34	>1,600	2,417	1,600	710	170	69	5.8	220	0.071	3.1	0.12	0.0023	ND	1.4	510	0.11	270
8/2/2007	7.83	>1,600	1,425	980	340	79	36	3.9	130	0.034	0.49	0.060	0.0025	ND	0.81	280	0.20	180
11/6/2007	7.81	ND	3,176	2,200	1,000	260	99	5.3	230	0.036	6.80	0.190	0.0026	ND	1.90	720	ND	350
2/8/2008	7.39	> 1,600	3,045	2,000	1,000	250	92	4.4	240	ND	4.7	0.13	0.0057	0.0021	1.8	700	0.11	360
4/25/2008	7.26	> 1,600	1,932	1,300	550	130	54	3.6	160	0.020	1.3	0.090	0.0054	0.0037	1.2	420	0.17	220
8/21/2008	8.02	>1,600	1,033	610	240	59	22	3.7	89	ND	0.49	NA	NA	NA	0.51	160	NA	100
11/17/2008	7.17	300	3,031	2,100	950	230	92	4.6	200	0.026	4.3	NA	NA	NA	1.9	710	NA	320
2/10/2009	7.83	300	2,756	1,800	910	220	89	3.8	190	ND	4.2	NA	NA	NA	1.6	670	NA	320
4/20/2009	7.83	>1600	3,191	2,200	1,010	240	100	4.5	240	NA	6.6	NA	NA	NA	2.0	760	NA	330
8/5/2009	7.57	>1,600	1,408	840	390	93	39	4.0	135	ND	0.36	NA	NA	NA	0.68	264	NA	141

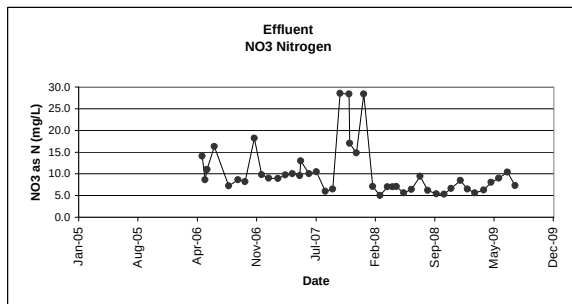
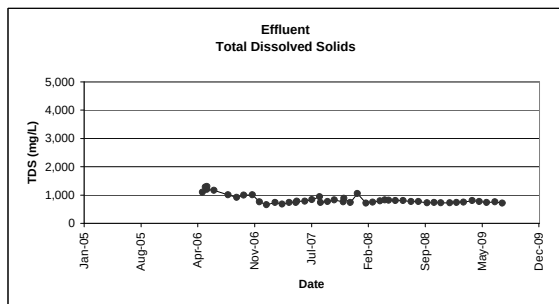
ND is "not detected".
NA is "not analyzed".



DS-2 continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
8/31/2006	ND	0.0027	0.40	ND	ND	ND	0.25	2.3	2.1	0.86	0.77	NA	220	268	ND	ND	ND	ND	ND
11/29/2005	ND	ND	0.16	ND	ND	ND	0.16	0.42	0.39	ND	ND	NA	260	317	ND	ND	ND	ND	ND
2/8/2006	ND	ND	0.22	ND	ND	ND	ND	0.48	0.41	0.69	0.69	NA	240	290	ND	ND	ND	ND	ND
5/2/2006	ND	0.0033	0.30	ND	ND	ND	ND	0.62	ND	3.5	3.4	NA	250	305	ND	ND	ND	ND	ND
8/7/2006	0.0065	0.0030	0.36	ND	ND	ND	0.10	0.70	0.18	1.4	1.4	NA	170	210	ND	ND	ND	ND	ND
10/25/2006	0.0063	0.0025	0.36	0.00028	ND	ND	0.056	1.3	0.36	0.72	0.72	NA	240	290	ND	ND	ND	ND	ND
1/30/2007	0.0070	0.0018	0.28	ND	ND	ND	0.078	0.60	0.25	0.21	0.21	NA	230	280	NA	ND	ND	ND	ND
5/2/2007	0.0067	0.0027	0.38	ND	ND	ND	0.120	1.2	0.34	0.58	0.58	NA	240	290	NA	ND	ND	ND	ND
8/2/2007	ND	0.0030	0.50	ND	ND	ND	0.110	1.1	ND	0.88	0.85	NA	150	180	NA	ND	ND	ND	ND
11/6/2007	ND	0.0038	0.28	ND	ND	ND	0.06	1.6	1.30	0.27	0.27	NA	240	290	NA	ND	ND	ND	ND
2/8/2008	ND	0.00087	0.23	ND	ND	ND	0.017	4.0	ND	0.90	0.90	NA	240	290	NA	ND	ND	ND	ND
4/25/2008	0.0052	0.0017	0.37	ND	ND	ND	0.063	0.86	0.15	4.0	3.7	NA	180	220	NA	ND	ND	ND	ND
8/21/2008	NA	NA	0.28	NA	NA	NA	NA	4.9	4.9	6.2	6.0	NA	140	170	NA	ND	ND	ND	ND
11/17/2008	NA	NA	0.24	NA	NA	NA	NA	0.61	0.26	0.15	ND	NA	250	310	NA	ND	ND	ND	ND
2/10/2009	NA	NA	0.21	NA	NA	NA	NA	0.34	ND	ND	ND	NA	210	260	NA	ND	ND	ND	ND
4/20/2009	NA	NA	0.30	NA	NA	NA	NA	0.73	0.26	ND	ND	NA	230	280	NA	ND	ND	ND	ND
8/5/2009	NA	NA	0.40	NA	NA	NA	NA	0.80	ND	4.8	4.7	NA	140	170	ND	ND	ND	ND	ND

Effluent																			
Date Sampled	Sampled By	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
4/21/2006	V	8.5	NA	NA	1,100	NA	NA	NA	NA	281	NA	NA	NA	NA	NA	NA	360	NA	NA
5/2/2006	V	8.5	ND	NA	1,280	NA	NA	NA	NA	279	NA	NA	NA	NA	NA	NA	330	NA	NA
5/9/2006	HF	8.1	NA	2,141	1,300	320	79	31	20	340	ND	0.00092	0.10	0.0053	0.032	0.060	360	0.20	140
5/9/2006	HF	8.1	NA	2,141	1,200	320	79	31	21	340	ND	0.00090	0.10	0.0050	0.031	0.048	360	0.20	140
6/6/2006	V	9.2	ND	NA	1,170	NA	NA	NA	NA	226	NA	NA	NA	NA	NA	NA	310	NA	NA
8/1/2006	V	8.3	NA	NA	1,010	NA	NA	NA	NA	274	NA	NA	NA	NA	NA	NA	295	NA	NA
8/8/2006	HF	7.5	NA	1,622	NA	NA	57	17	20	270	NA	NA	NA	NA	NA	0.034	270	0.15	100
9/5/2006	V	8.1	ND	NA	920	NA	NA	NA	NA	251	NA	NA	NA	NA	NA	NA	252	NA	NA
10/3/2006	V	8.3	ND	NA	990	NA	NA	NA	NA	313	NA	NA	NA	NA	NA	NA	327	NA	NA
10/27/2006	HF	7.5	NA	1,619	NA	NA	52	18	24	270	NA	NA	NA	NA	NA	0.053	300	0.16	87
11/7/2006	V	8.2	ND	NA	1,010	NA	NA	NA	NA	305	NA	NA	NA	NA	NA	NA	315	NA	NA
12/5/2006	V	8.1	ND	NA	760	NA	NA	NA	NA	232	NA	NA	NA	NA	NA	NA	204	NA	NA
1/2/2007	V	8.0	ND	NA	660	NA	NA	NA	NA	167	NA	NA	NA	NA	NA	NA	187	NA	NA
2/2/2007	HF	8.3	NA	1,160	NA	NA	43	14	20	190	NA	NA	NA	NA	NA	0.014	190	0.15	53
2/6/2007	V	8.1	ND	NA	740	NA	NA	NA	NA	187	NA	NA	NA	NA	NA	NA	218	NA	NA
3/6/2007	V	8.1	ND	NA	680	NA	NA	NA	NA	173	NA	NA	NA	NA	NA	NA	181	NA	NA
4/3/2007	V	8.1	ND	NA	740	NA	NA	NA	NA	182	NA	NA	NA	NA	NA	NA	176	NA	NA
5/1/2007	V	8.4	ND	NA	740	NA	NA	NA	NA	183	NA	NA	NA	NA	NA	NA	202	NA	NA
5/4/2007	HF	7.8	NA	1,284	780	170	46	14	22	190	ND	0.0022	0.082	0.0015	0.032	0.011	230	0.16	65
6/5/2007	V	8.4	ND	NA	780	NA	NA	NA	NA	213	NA	NA	NA	NA	NA	NA	232	NA	NA
7/3/2007	V	7.8	ND	NA	840	NA	NA	NA	NA	213	NA	NA	NA	NA	NA	NA	254	NA	NA
8/3/2007	HF	7.8	NA	1,320	940	180	47	14	25	180	ND	0.0011	0.054	0.0016	0.023	ND	230	0.15	55
9/7/2007	V	7.3	ND	NA	740	NA	NA	NA	NA	166	NA	NA	NA	NA	NA	NA	230	NA	NA
9/4/2007	V	7.6	ND	NA	770	NA	NA	NA	NA	209	NA	NA	NA	NA	NA	NA	42	NA	NA
10/2/2007	V	7.2	ND	NA	830	NA	NA	NA	NA	222	NA	NA	NA	NA	NA	NA	214	NA	NA
11/6/2007	V	7.1	ND	NA	760	NA	NA	NA	NA	191	NA	NA	NA	NA	NA	NA	174	NA	NA
11/9/2007	HF	8.17	NA	1,292	880	NA	49	14	24	190	NA	NA	NA	NA	NA	0.070	200	0.19	60
12/4/2007	V	7.1	ND	NA	730	NA	NA	NA	NA	174	NA	NA	NA	NA	NA	NA	191	NA	NA
1/2/2008	V	8.5	NA	NA	1,050	NA	NA	NA	NA	277	NA	NA	NA	NA	NA	NA	331	NA	NA
2/5/2008	V	7.9	NA	NA	710	NA	NA	NA	NA	172	NA	NA	NA	NA	NA	NA	185	NA	NA
3/4/2008	V	8.4	ND	NA	750	NA	NA	NA	NA	177	NA	NA	NA	NA	NA	NA	189	NA	NA
4/2/2008	V	7.6	ND	NA	790	NA	NA	NA	NA	200	NA	NA	NA	NA	NA	NA	205	NA	NA
4/21/2008	HF	NA	NA	NA	830	NA	54	15	24	190	NA	NA	NA	NA	NA	0.032	260	0.17	74
5/6/2008	V	7.5	ND	NA	810	NA	NA	NA	NA	306	NA	NA	NA	NA	NA	NA	320	NA	NA
6/3/2008	V	7.7	ND	NA	800	NA	NA	NA	NA	200	NA	NA	NA	NA	NA	NA	231	NA	NA
7/3/2008	V	7.5	ND	NA	800	NA	NA	NA	NA	175	NA	NA	NA	NA	NA	NA	217	NA	NA
8/5/2008	V	7.6	ND	NA	770	NA	NA	NA	NA	171	NA	NA	NA	NA	NA	NA	253	NA	NA
9/3/2008	V	7.5	ND	NA	770	NA	NA	NA	NA	188	NA	NA	NA	NA	NA	NA	219	NA	NA
10/7/2008	V	7.8	ND	NA	720	NA	NA	NA	NA	179	NA	NA	NA	NA	NA	NA	207	NA	NA
11/5/2008	V	7.8	ND	NA	740	NA	NA	NA	NA	174	NA	NA	NA	NA	NA	NA	212	NA	NA
12/2/2008	V	7.7	ND	NA	720	NA	NA	NA	NA	184	NA	NA	NA	NA	NA	NA	199	NA	NA
1/7/2009	V	7.7	ND	NA	720	NA	NA	NA	NA	197	NA	NA	NA	NA	NA	NA	214	NA	NA
2/3/2009	V	7.7	ND	NA	730	NA	NA	NA	NA	162	NA	NA	NA	NA	NA	NA	200	NA	NA
3/3/2009	V	7.7	ND	NA	750	NA	NA	NA	NA	226	NA	NA	NA	NA	NA	NA	202	NA	NA
4/7/2009	V	7.5	ND	NA	800	NA	NA	NA	NA	208	NA	NA	NA	NA	NA	NA	224	NA	NA
5/5/2009	V	7.5	ND	NA	770	NA	NA	NA	NA	206	NA	NA	NA	NA	NA	NA	224	NA	NA
6/3/2009	V	7.4	ND	NA	740	NA	NA	NA	NA	179	NA	NA	NA	NA	NA	NA	197	NA	NA
7/7/2009	V	7.8	ND	NA	760	NA	NA	NA	NA	201	NA	NA	NA	NA	NA	NA	215	NA	NA
8/5/2009	V	7.7	ND	NA	710	NA	NA	NA	NA	195	NA	NA	NA	NA	NA	NA	213	NA	NA

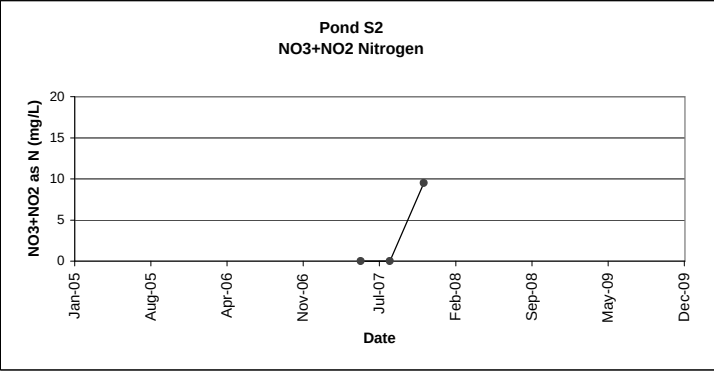
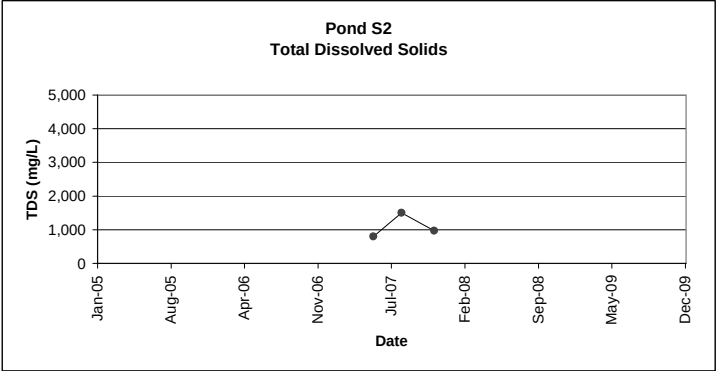
Sampled By: HF = HydroFocus; V = Veolia
ND is "not detected".
NA is "not analyzed".



Effluent - continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
4/21/2006	NA	NA	NA	NA	NA	NA	NA	0.7	NA	NA	14.1	NA	NA	NA	NA	NA	NA	NA	NA
5/2/2006	NA	NA	NA	NA	NA	NA	NA	0.9	NA	NA	8.6	NA	NA	NA	NA	NA	NA	NA	NA
5/9/2006	0.067	0.016	0.57	0.00043	ND	ND	0.66	NA	NA	11	11	NA	305	375	ND	13	70	63	66
5/9/2006	0.067	0.017	0.58	0.00039	ND	ND	0.67	NA	NA	11	11	NA	310	380	ND	220	72	63	68
6/6/2006	NA	NA	NA	NA	NA	NA	NA	1.0	NA	NA	16.3	NA	NA	NA	NA	NA	NA	NA	NA
8/1/2006	NA	NA	NA	NA	NA	NA	NA	0.5	NA	NA	7.2	NA	NA	NA	NA	NA	NA	NA	NA
8/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	270	330	ND	NA	NA	NA	NA
9/5/2006	NA	NA	NA	NA	NA	NA	NA	0.6	NA	NA	8.6	NA	NA	NA	NA	NA	NA	NA	NA
10/3/2006	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	8.2	NA	NA	NA	NA	NA	NA	NA	NA
10/27/2006	NA	NA	0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	320	NA	NA	NA	NA	NA
11/7/2006	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	18.2	NA	NA	NA	NA	NA	NA	NA	NA
12/5/2006	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	9.8	NA	NA	NA	NA	NA	NA	NA	NA
1/2/2007	NA	NA	NA	NA	NA	NA	NA	2.0	NA	NA	9.0	NA	NA	NA	NA	NA	NA	NA	NA
2/2/2007	NA	NA	0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	260	NA	NA	NA	NA	NA
2/6/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.9	NA	NA	NA	NA	NA	NA	NA	NA
3/6/2007	NA	NA	NA	NA	NA	NA	NA	0.5	NA	NA	9.7	NA	NA	NA	NA	NA	NA	NA	NA
4/3/2007	NA	NA	NA	NA	NA	NA	NA	0.6	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA
5/1/2007	NA	NA	NA	NA	NA	NA	NA	3.4	NA	NA	9.6	NA	NA	NA	NA	NA	NA	NA	NA
5/4/2007	0.045	0.012	0.45	0.00040	ND	ND	3.7	NA	NA	13	13	NA	220	270	NA	NA	NA	NA	NA
6/5/2007	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA
7/3/2007	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	10.5	NA	NA	NA	NA	NA	NA	NA	NA
8/3/2007	0.05	0.013	0.41	0.00020	ND	ND	7.0	NA	NA	NA	NA	NA	230	270	NA	NA	NA	NA	NA
8/7/2007	NA	NA	NA	NA	NA	NA	NA	0.2	NA	NA	6.0	NA	NA	NA	NA	NA	NA	NA	NA
9/4/2007	NA	NA	NA	NA	NA	NA	NA	0.8	NA	NA	6.5	NA	NA	NA	NA	NA	NA	NA	NA
10/2/2007	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	28.5	NA	NA	NA	NA	NA	NA	NA	NA
11/6/2007	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	28.4	NA	NA	NA	NA	NA	NA	NA	NA
11/9/2007	NA	NA	0.47	NA	NA	NA	4.4	NA	NA	17	17	NA	220	260	NA	NA	NA	NA	NA
12/4/2007	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	14.8	NA	NA	NA	NA	NA	NA	NA	NA
1/2/2008	NA	NA	NA	NA	NA	NA	NA	1.0	NA	NA	28.4	NA	NA	NA	NA	NA	NA	NA	NA
2/5/2008	NA	NA	NA	NA	NA	NA	NA	1.1	NA	NA	7.1	NA	NA	NA	NA	NA	NA	NA	NA
3/4/2008	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	5.0	NA	NA	NA	NA	NA	NA	NA	NA
4/2/2008	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	7.0	NA	NA	NA	NA	NA	NA	NA	NA
4/21/2008	NA	NA	0.46	NA	NA	NA	3.8	NA	NA	7.0	7.0	NA	280	340	NA	NA	NA	NA	NA
5/6/2008	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	7.1	NA	NA	NA	NA	NA	NA	NA	NA
6/3/2008	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	5.6	NA	NA	NA	NA	NA	NA	NA	NA
7/3/2008	NA	NA	NA	NA	NA	NA	NA	1.6	NA	NA	6.4	NA	NA	NA	NA	NA	NA	NA	NA
8/5/2008	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	9.4	NA	NA	NA	NA	NA	NA	NA	NA
9/3/2008	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	6.2	NA	NA	NA	NA	NA	NA	NA	NA
10/7/2008	NA	NA	NA	NA	NA	NA	NA	1.0	NA	NA	5.4	NA	NA	NA	NA	NA	NA	NA	NA
11/5/2008	NA	NA	NA	NA	NA	NA	NA	1.1	NA	NA	5.3	NA	NA	NA	NA	NA	NA	NA	NA
12/2/2008	NA	NA	NA	NA	NA	NA	NA	0.6	NA	NA	6.6	NA	NA	NA	NA	NA	NA	NA	NA
1/7/2009	NA	NA	NA	NA	NA	NA	NA	2.1	NA	NA	8.5	NA	NA	NA	NA	NA	NA	NA	NA
2/3/2009	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	6.5	NA	NA	NA	NA	NA	NA	NA	NA
3/3/2009	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	5.6	NA	NA	NA	NA	NA	NA	NA	NA
4/7/2009	NA	NA	NA	NA	NA	NA	NA	1.0	NA	NA	6.3	NA	NA	NA	NA	NA	NA	NA	NA
5/5/2009	NA	NA	NA	NA	NA	NA	NA	1.0	NA	NA	8.0	NA	NA	NA	NA	NA	NA	NA	NA
6/3/2009	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	9.0	NA	NA	NA	NA	NA	NA	NA	NA
7/7/2009	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	10.4	NA	NA	NA	NA	NA	NA	NA	NA
8/5/2009	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	7.3	NA	NA	NA	NA	NA	NA	NA	NA

Pond S2																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/7/2007	9.56	NA	1,352	800	160	42	15	22	220	ND	0.0017	0.027	0.0032	0.0039	0.18	260	0.14	83
8/2/2007	9.18	NA	1,990	1,500	120	27	12	41	370	ND	0.00079	0.073	0.0039	ND	0.31	440	0.14	120
11/12/2007	9.23	NA	1,497	970	150	38	13	30	210	ND	0.00081	0.063	0.0020	0.0083	0.16	270	0.13	72

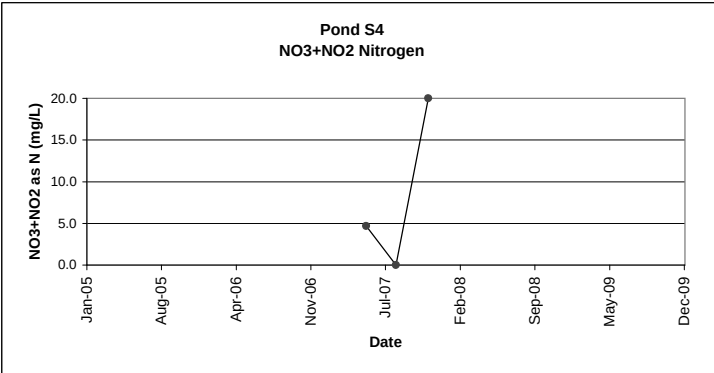
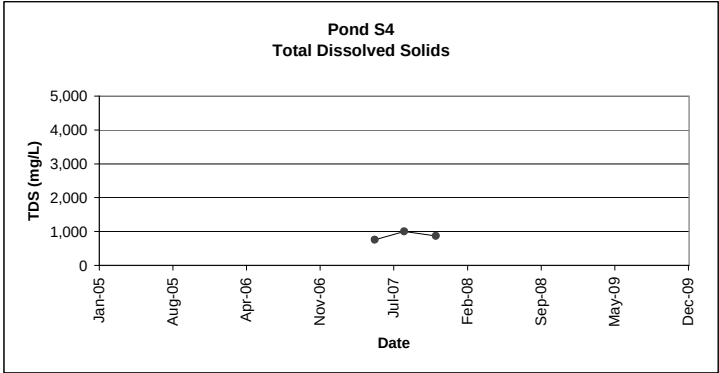
ND is "not detected".
 NA is "not analyzed".



Pond S2 - continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/7/2007	ND	0.011	0.51	ND	ND	ND	0.73	NA	NA	ND	ND	NA	270	150	NA	NA	NA	NA	NA
8/2/2007	ND	0.014	0.80	ND	ND	ND	1.2	NA	NA	ND	NA	NA	260	310	NA	NA	NA	NA	NA
11/12/2007	ND	0.015	0.54	ND	ND	ND	1.5	NA	NA	9.5	9.0	NA	220	190	NA	NA	NA	NA	NA

Pond S4																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/4/2007	9.81	NA	1,246	760	180	47	14	23	200	ND	0.00061	0.10	0.0018	0.011	0.13	230	0.14	70
8/3/2007	9.55	NA	1,421	1,000	150	37	14	28	220	ND	ND	0.044	0.0020	ND	ND	270	0.11	70
11/9/2007	9.21	NA	1,295	870	NA	42	14	27	190	NA	NA	ND	NA	NA	0.14	220	0.13	62

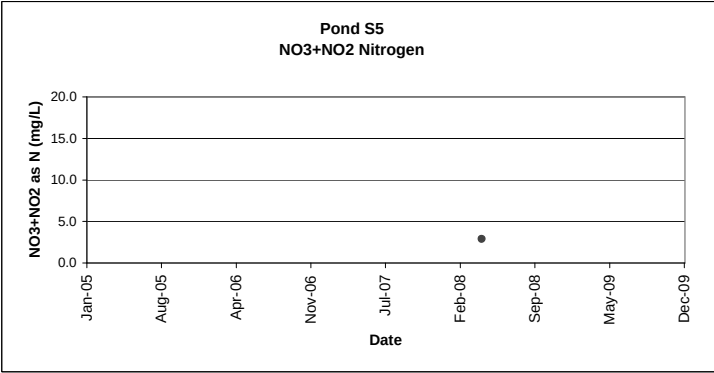
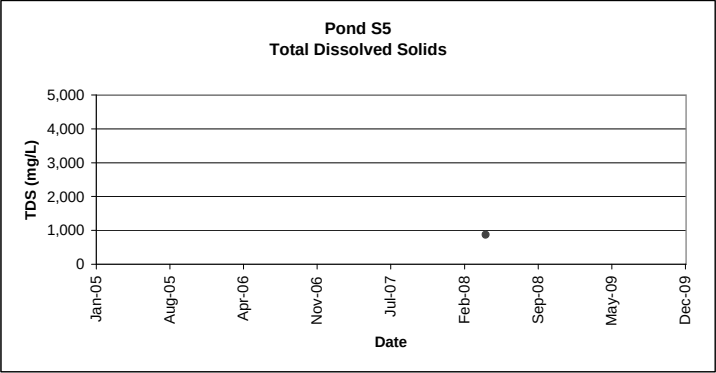
ND is "not detected".
 NA is "not analyzed".



Pond S4 - continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/4/2007	ND	0.013	0.52	ND	ND	ND	0.68	NA	NA	4.7	4.5	NA	270	320	NA	NA	NA	NA	NA
8/3/2007	0.0062	0.014	0.50	ND	ND	ND	1.3	NA	NA	NA	NA	NA	230	280	NA	NA	NA	NA	NA
11/9/2007	NA	NA	0.47	NA	NA	NA	2.2	NA	NA	20	20	NA	180	180	NA	NA	NA	NA	NA

Pond S5																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
4/21/2008	8.93	NA	1,476	870	NA	52	15	22	220	NA	NA	NA	NA	NA	0.18	320	0.17	85

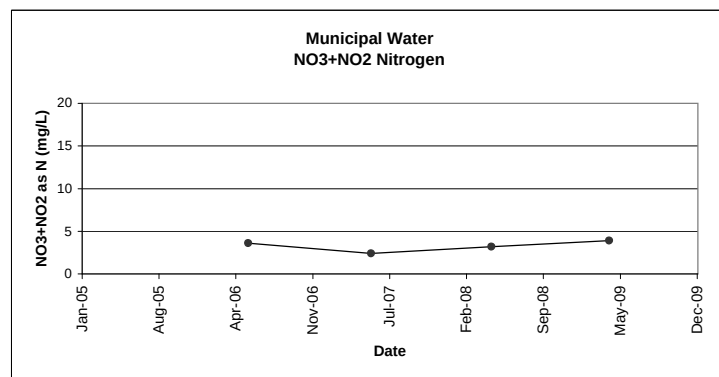
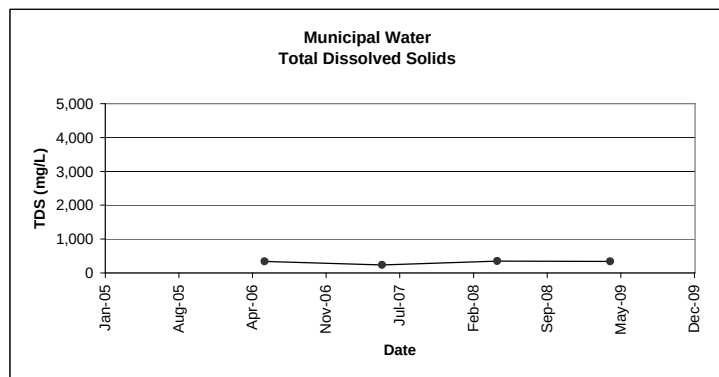
ND is "not detected".
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Pond S4 - continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromodichloromethane (ug/L)	Chloroform (ug/L)	Dibromochloromethane (ug/L)
4/21/2008	NA	NA	0.51	NA	NA	NA	1.9	NA	NA	2.9	2.7	NA	320	330	NA	NA	NA	NA	NA

Municipal Water																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/9/2006	7.45	NA	519	340	180	54	12	3.6	43	ND	0.00049	0.24	0.0024	0.0071	0.110	50	0.12	20
5/8/2007	7.92	NA	446	240	140	40	9.0	3.1	37	ND	0.00066	0.19	ND	ND	ND	38	0.14	18
4/29/2008	7.93	NA	466	350	160	48	10	3.1	43	NA	NA	NA	NA	NA	0.016	41	0.18	24
4/13/2009	8.16	NA	458	340	160	47	10	3.0	43	ND	ND	NA	NA	NA	0.048	40	NA	21

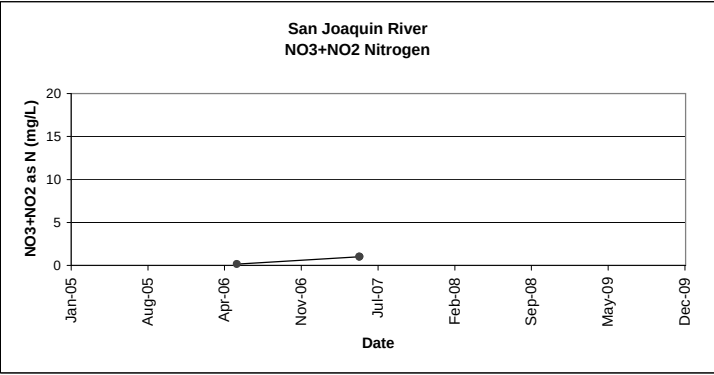
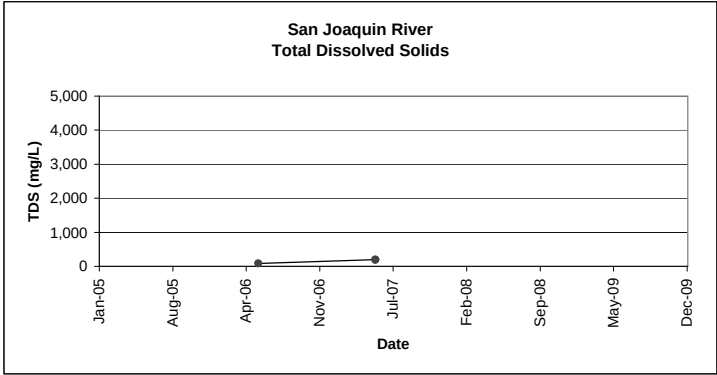
ND is "not detected".
NA is "not analyzed".



Municipal Water - continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/9/2006	ND	0.019	0.16	0.00180	ND	ND	ND	ND	ND	3.6	3.6	NA	180	220	NA	3.2	0.48	2.1	1.0
5/8/2007	ND	0.015	0.13	0.00130	ND	ND	ND	NA	NA	2.4	2.4	NA	170	210	NA	NA	NA	NA	NA
4/29/2008	NA	NA	NA	NA	NA	NA	0.032	NA	NA	3.2	3.2	NA	210	250	NA	NA	NA	NA	NA
4/13/2009	NA	NA	0.15	NA	NA	NA	NA	NA	NA	3.9	3.9	NA	190	220	NA	NA	NA	NA	NA

San Joaquin River																		
Date Sampled	pH	Total Coliform Bacteria (per 100 mL)	EC (uS/cm)	TDS (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Manganese (mg/L)	Barium (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)
5/9/2006	5.75	NA	112	83	36	8.8	3.5	1.4	10	0.036	0.024	0.019	0.0012	ND	0.029	7.9	ND	9.4
5/8/2007	7.68	NA	397	200	88	19	10	2.0	43	ND	0.011	0.029	ND	ND	0.14	51	ND	49
5/8/2007	7.68	NA	397	190	89	20	9.7	2.1	43	ND	0.010	0.029	ND	ND	0.16	51	ND	50

ND is "not detected".
 NA is "not analyzed".



San Joaquin River - continued																			
Date Sampled	Aluminum (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (mg/L)	Lead (mg/L)	Thallium (mg/L)	Ortho-PO4 (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonia as N (mg/L)	NO3+NO2 as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Alkalinity as CaCO3 (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	Bromoform (ug/L)	Bromo-dichloro-methane (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane (ug/L)
5/9/2006	0.0067	0.0013	0.053	ND	ND	ND	0.080	0.19	ND	0.14	0.14	NA	30	35	NA	ND	ND	0.10	ND
5/8/2007	ND	0.0012	0.17	0.00030	ND	ND	0.11	NA	NA	1.0	1.0	NA	71	87	NA	NA	NA	NA	NA
5/8/2007	ND	0.0012	0.18	0.00030	ND	ND	0.12	NA	NA	1.0	1.0	NA	72	88	NA	NA	NA	NA	NA

Appendix D: Historical Indicator Analytical Results

Third Quarter, 2009 (July - September)		
Samples collected in July and August		
Well Name	Anions (mg/L)	
	Chloride	Bromide
MWM-1	119	0.26
MWM-2	94	0.46
MWM-3	162	0.36
MWM-4	440	0.71
MWM-5	307	0.45
MWM-9	100	0.25
MWM-11	1,490	3.16
MWM-12	1,150	2.58
MWM-12 (D)	1,160	2.59
MWM-13	620	2.01
MWM-14	181	0.39
MWM-15	380	1.15
MWM-16	131	0.39
MWM-17	240	0.60
MWM-19	770	2.59
MWM-20	340	0.80
MWM-20 (D)	350	0.82
MWM-21	500	2.31
MWM-21 (D)	520	2.22
MWM-22	174	0.44
MWM-23	360	1.73
MWM-24	74	0.17
MWM-25	192	0.43
MWM-26	470	3.27
MWM-27	270	0.50
MBRMW-1	286	0.17
MBRMW-2	63	0.17
MBRMW-3	170	0.44
MBRMW-3 (D)	170	0.45
MBRMW-4	230	0.76
KMW-4	320	--
RMW-4	62	0.08
RMW-5	54	0.16
MWR-3	346	0.12
MWR-11	366	2.26
MWR-12	390	5.05
MWR-23	960	4.77
MWR-24	2,060	1.87
MWR-24 (D)	2,120	0.57
MWR-25	770	0.93
MWR-26	314	1.02
MWR-27	790	1.62
MWR-28	1,380	3.25
MWR-28 (D)	1,380	3.22
MWR-29	410	0.80
MWR-30	760	1.50
MWR-31	1,550	3.92
MWR-32	930	2.00
DS-1	272	0.70
DS-2	264	0.68

Second Quarter, 2009 (April-June)		
Samples collected in April		
<i>Well Name</i>	<i>Anions (mg/L)</i>	
	Chloride	Bromide
MWM-1	71	0.23
MWM-1 (D)	74	0.22
MWM-2	99	0.58
MWM-3	150	0.46
MWM-4	450	0.96
MWM-5	320	0.67
MWM-9	110	0.44
MWM-11	1,600	3.8
MWM-12	1,100	3.4
MWM-13	570	2.4
MWM-14	390	1.2
MWM-15	370	1.2
MWM-16	160	0.67
MWM-17	300	1.1
MWM-19	800	2.9
MWM-19 (D)	810	2.9
MWM-20	370	1.1
MWM-20 (D)	360	1.4
MWM-21	580	3.0
MWM-22	170	0.5
MWM-23	360	2.0
MWM-24	78	0.25
MWM-25	150	0.46
MWM-26	480	3.5
MBRMW-1	250	0.22
MBRMW-2	61	0.27
MBRMW-3	160	0.67
MBRMW-4	240	1.1
KMW-4	250	NA
RMW-4	61	0.17
RMW-4 (D)	61	0.16
RMW-5	56	0.25
MWR-3	330	0.99
MWR-11	420	1.1
MWR-12	450	NA
MWR-23	950	2.3
MWR-24	2,200	5.6
MWR-24 (D)	2,200	5.8
MWR-25	710	1.9
MWR-26	270	0.78
MWR-27	820	1.8
MWR-28	1,200	3.2
MWR-29	490	1.4
MWR-30	790	1.9
MWR-31	1,500	4.2
MWR-31 (D)	1,400	4.3
MWR-32	970	2.6
DW-1	40	0.048
DS-1	960	2.7
DS-2	760	2.0

NA: not analyzed

First Quarter, 2009 (January-March)		
Samples collected in February		
Well Name	<i>Anions (mg/L)</i>	
	Chloride	Bromide
MWM-1	75	0.24
MWM-1 (D)	76	0.21
MWM-2	110	0.59
MWM-3	NS	NS
MWM-4	NS	NS
MWM-5	330	0.61
MWM-9	130	0.49
MWM-11	1,800	4.0
MWM-12	1,100	3.6
MWM-13	600	2.4
MWM-14	420	1.1
MWM-15	360	1.3
MWM-16	130	0.62
MWM-17	240	0.93
MWM-19	760	2.9
MWM-19 (D)	700	2.7
MWM-20	270	0.86
MWM-21	600	3.5
MWM-22	170	0.52
MWM-23	NS	NS
MWM-24	76	0.26
MWM-25	140	0.46
MWM-26	470	3.7
MBRMW-1	220	0.16
MBRMW-1 (D)	220	0.17
MBRMW-2	51	0.24
MBRMW-3	140	0.54
MBRMW-4	230	1.1
KMW-4	290	NA
RMW-4	72	0.20
RMW-5	62	0.25
MWR-3	380	1.1
MWR-11	390	1.2
MWR-12	400	1.2
MWR-23	900	2.3
MWR-24	2,100	5.6
MWR-24 (D)	2,100	5.8
MWR-25	700	1.9
MWR-26	270	0.75
MWR-26 (D)	270	0.75
MWR-27	840	1.8
MWR-28	1,200	3.3
MWR-29	500	1.3
MWR-30	750	2.0
MWR-31	1,300	3.9
MWR-32	1,000	2.8
MWR-32 (D)	1,000	2.7
DS-1	800	2.0
DS-2	670	1.6

NS: not sampled

NA: not analyzed

Fourth Quarter, 2008 (October-December)		
Samples collected in November		
<i>Well Name</i>	<i>Anions (mg/L)</i>	
	Chloride	Bromide
MWM-01	92	0.25
MWM-02	120	0.60
MWM-03	190	0.61
MWM-03 (D)	180	0.61
MWM-04	420	0.72
MWM-05	340	0.66
MWM-09	230	0.75
MWM-11	1,600	3.8
MWM-12	1,200	3.7
MWM-13	610	2.3
MWM-14	410	1.0
MWM-15	350	1.3
MWM-16	150	0.60
MWM-17	250	1.0
MWM-19	710	2.9
MWM-20	240	0.77
MWM-21	600	3.5
MWM-22	180	0.58
MWM-23	400	2.2
MWM-24	70	0.29
MWM-25	150	0.45
MWM-26	480	3.9
MWM-26 (D)	500	3.8
MBRMW-1	210	0.19
MBRMW-1 (D)	210	0.18
MBRMW-2	54	0.26
MBRMW-3	140	0.51
MBRMW-4	240	1.0
KMW-4	330	NA
RMW-4	73	73
RMW-5	69	69
MWR-03	490	490
MWR-11	450	450
MWR-12	400	400
MWR-23	940	940
MWR-24	2,300	2,300
MWR-24 (D)	2,200	2,200
MWR-25	710	710
MWR-25 (D)	730	730
MWR-26	300	300
MWR-27	890	890
MWR-27 (D)	810	810
MWR-28	1,300	1,300
MWR-29	550	550
MWR-30	740	740
MWR-31	1,300	1,300
MWR-32	1,000	1,000
DS-1	880	880
DS-2	710	710

NA: not analyzed

Third Quarter, 2008 (July-September)		
Samples collected in August		
Well Name	Anions (mg/L)	
	Chloride	Bromide
MWM-01	140	0.34
MWM-01 (D)	130	0.32
MWM-02	130	0.64
MWM-03	95	0.56
MWM-04	400	0.80
MWM-05	360	0.67
MWM-09	280	0.88
MWM-11	1,700	3.6
MWM-12	1,100	3.6
MWM-13	680	2.5
MWM-14	410	0.99
MWM-15	400	1.3
MWM-16	230	0.83
MWM-17	150	0.56
MWM-17 (D)	150	0.56
MWM-19	730	2.9
MWM-20	360	1.0
MWM-21	620	3.6
MWM-22	190	0.55
MWM-23	480	2.3
MWM-24	62	0.21
MWM-24 (D)	63	0.26
MWM-25	230	0.62
MWM-26	470	3.8
MBRMW-1	210	0.18
MBRMW-2	55	0.29
MBRMW-3	170	0.75
MBRMW-4	210	1.1
KMW-4	370	NA
RMW-4	60	0.16
RMW-4 (D)	57	0.15
RMW-5	62	0.30
MWR-03	580	1.7
MWR-11	380	1.1
MWR-12	380	1.1
MWR-12 (D)	390	1.1
MWR-23	1,100	2.6
MWR-23 (D)	1,100	2.6
MWR-24	2,300	6.2
MWR-25	790	2.0
MWR-26	280	0.75
MWR-27	810	1.8
MWR-28	1,300	3.4
MWR-29	660	1.9
MWR-30	600	1.7
MWR-31	1,200	3.7
MWR-32	930	2.7
DS-1	170	0.54
DS-2	160	0.51

NA: not analyzed

Second Quarter, 2008 (April-June)					
Samples collected in April					
Well Name	Anions (mg/L)			O-18 (per mil)	Deuterium (per mil)
	Chloride	Fluoride	Bromide		
MWM-01	240	0.28	0.58	NA	NA
MWM-02	140	0.38	0.65	NA	NA
MWM-03	200	0.46	0.56	-10.5	-78
MWM-04	430	0.36	0.87	-9.4	-71
MWM-05	440	0.29	0.70	-10	-73
MWM-05 (D)	400	0.29	0.77	-10	-73
MWM-09	240	0.37	0.85	NA	NA
MWM-11	1,600	0.32	3.8	-8.4	-65
MWM-12	1,200	0.45	3.6	-7.5	-56
MWM-13	600	0.50	2.2	NA	NA
MWM-14	420	0.14	1.1	NA	NA
MWM-15	400	0.17	1.3	NA	NA
MWM-16	370	0.27	1.1	NA	NA
MWM-17	210	0.67	0.81	NA	NA
MWM-19	820	0.39	2.9	NA	NA
MWM-19 (D)	790	0.39	2.8	NA	NA
MWM-20	440	0.19	1.3	NA	NA
MWM-20 (D)	430	0.19	1.2	NA	NA
MWM-21	660	0.23	3.6	NA	NA
MWM-22	220	0.18	0.64	NA	NA
MWM-23	590	0.42	2.2	NA	NA
MWM-23 (D)	580	0.42	2.2	NA	NA
MWM-24	46	0.41	0.15	NA	NA
MWM-25	260	0.39	0.72	NA	NA
MWM-26	510	0.34	3.8	NA	NA
MBRMW-1	240	0.21	0.18	-7.1	-56
MBRMW-2	63	0.45	0.26	-6.4	-53
MBRMW-3	220	0.19	0.74	NA	NA
MBRMW-4	220	0.42	1.0	NA	NA
KMW-4	320	NA	NA	NA	NA
RMW-4	52	0.38	0.14	NA	NA
RMW-5	62	0.22	0.26	NA	NA
RMW-5 (D)	62	0.23	0.25	NA	NA
MWR-03	540	0.14	1.4	NA	NA
MWR-11	430	0.17	1.1	NA	NA
MWR-12	550	0.35	1.6	NA	NA
MWR-23	910	0.12	2.2	NA	NA
MWR-23 (D)	910	0.12	2.2	NA	NA
MWR-24	2,600	0.17	6.3	NA	NA
MWR-25	770	0.17	2.0	NA	NA
MWR-26	240	0.24	0.62	NA	NA
MWR-27	1,000	0.22	2.1	NA	NA
MWR-28	1,400	0.22	3.4	NA	NA
MWR-29	750	0.14	2.0	NA	NA
MWR-30	820	0.18	2.1	NA	NA
MWR-31	1,600	<0.10	4.1	NA	NA
MWR-31 (D)	1,600	<0.10	4.3	NA	NA
MWR-32	830	0.17	2.4	NA	NA
DS-1	340	0.19	0.92	NA	NA
DS-2	420	0.17	1.2	NA	NA
Pond S2	NA	NA	NA	-5.0	-47
Pond S5	320	0.17	0.18	-5.6	-51
Municipal Water	41	0.18	0.016	-9.0	-67
Effluent	260	0.17	0.032	-8.9	-67

NA: not analyzed

First Quarter, 2008 (January-March)			
Samples collected in February			
<i>Well Name</i>	<i>Anions (mg/L)</i>		
	Chloride	Fluoride	Bromide
MWM-01	76	0.28	0.24
MWM-02	120	0.41	0.67
MWM-03	190	0.49	0.53
MWM-04	330	0.32	0.57
MWM-05	440	0.27	0.69
MWM-09	540	0.31	1.6
MWM-11	1,600	0.28	3.7
MWM-12	1,100	0.45	3.3
MWM-13	510	0.51	1.9
MWM-14	470	0.14	1.2
MWM-15	390	0.16	1.3
MWM-15 (D)	370	0.17	1.3
MWM-16	400	0.25	1.3
MWM-17	130	0.92	0.55
MWM-19	680	0.42	2.5
MWM-20	470	0.15	1.3
MWM-21	610	0.26	3.6
MWM-22	200	0.18	0.59
MWM-23	470	0.62	1.9
MWM-24	40	0.40	0.13
MWM-24 (D)	40	0.40	0.13
MWM-25	310	0.38	0.74
MWM-26	470	0.35	3.8
MBRMW-1	94	<0.10	0.074
MBRMW-2	53	0.44	0.27
MBRMW-3	130	0.28	0.54
MBRMW-3(D)	140	0.27	0.54
MBRMW-4	200	0.43	0.96
KMW-4	280	NA	NA
RMW-4	42	0.39	0.14
RMW-5	45	0.22	0.21
MWR-03	970	<0.10	2.4
MWR-11	400	0.15	1.0
MWR-12	480	0.35	1.4
MWR-23	970	0.17	2.1
MWR-23 (D)	960	0.17	2.1
MWR-24	2,300	0.11	6.0
MWR-24(D)	2,400	0.10	6.1
MWR-25	740	0.19	1.9
MWR-26	210	0.24	0.55
MWR-27	990	0.18	2.1
MWR-28	1,300	0.13	3.5
MWR-29	710	0.14	1.9
MWR-30	820	0.10	1.9
MWR-31	1,400	<0.10	3.5
MWR-31 (D)	1,400	<0.10	3.7
DS-1	790	0.16	2.0
DS-2	700	0.11	1.8

NA: not analyzed

Fourth Quarter, 2007 (October-December)					
Samples collected in November					
Well Name	Anions (mg/L)			O-18 (per mil)	Deuterium (per mil)
	Chloride	Fluoride	Bromide		
MWM-01	58	0.30	0.19	NA	NA
MWM-02	160	0.47	0.47	NA	NA
MWM-03	150	0.38	0.64	NA	NA
MWM-04	330	0.35	0.65	NA	NA
MWM-04 (D)	320	0.35	0.65	NA	NA
MWM-05	480	0.26	0.83	NA	NA
MWM-09	800	0.22	2.2	NA	NA
MWM-09 (D)	810	0.22	2.2	NA	NA
MWM-11	1,600	0.39	3.6	NA	NA
MWM-12	1,100	0.51	3.6	NA	NA
MWM-13	650	0.47	2.6	NA	NA
MWM-14	450	0.13	1.2	NA	NA
MWM-15	370	0.18	1.4	NA	NA
MWM-16	400	0.23	1.4	NA	NA
MWM-17	160	0.91	0.69	NA	NA
MWM-17 (D)	160	0.92	0.69	NA	NA
MWM-19	490	0.57	2.0	NA	NA
MWM-20	450	0.15	1.4	NA	NA
MWM-21	610	0.24	3.6	NA	NA
MWM-22	180	0.20	0.56	NA	NA
MWM-23	490	0.70	2.0	NA	NA
MWM-24	34	0.42	0.11	NA	NA
MWM-25	310	0.36	0.81	NA	NA
MWM-26	470	0.36	3.9	NA	NA
MBRMW-1	230	0.26	0.17	NA	NA
MBRMW-2	54	0.49	0.25	NA	NA
MBRMW-3	160	0.27	0.71	NA	NA
MBRMW-4	200	0.46	1.1	NA	NA
RMW-4	70	0.38	0.19	NA	NA
RMW-4 (D)	68	0.38	0.19	NA	NA
RMW-5	57	0.24	0.24	NA	NA
MWR-03	270	0.25	0.85	NA	NA
MWR-11	400	0.18	1.3	NA	NA
MWR-12	520	0.29	1.7	NA	NA
MWR-23	980	0.22	2.3	NA	NA
MWR-24	2,300	0.19	6.0	NA	NA
MWR-25	740	0.15	2.1	NA	NA
MWR-25 (D)	150	0.16	2.1	NA	NA
MWR-26	210	0.28	0.59	NA	NA
MWR-27	1,100	0.18	2.4	NA	NA
MWR-27 (D)	1,100	0.26	2.4	NA	NA
MWR-28	1,300	0.30	3.6	NA	NA
MWR-29	700	<0.10	2.1	NA	NA
MWR-30	800	<0.10	2.1	NA	NA
MWR-31	1,300	<0.10	3.7	NA	NA
MWR-32	790	0.20	2.4	NA	NA
DS-1	910	0.10	2.5	NA	NA
DS-2	720	<0.10	1.9	NA	NA
Effluent	200	0.19	0.07	-8.8	-66
Pond S2	270	0.13	0.16	-6.0	-53
Pond S4	220	0.13	0.14	-7.9	-62

NA: not analyzed

Third Quarter, 2007 (July-September)					
Samples collected in July and August					
Well Name	Anions (mg/L)			O-18 (per mil)	Deuterium (per mil)
	Chloride	Fluoride	Bromide		
MWM-1	73	0.22	0.25	NA	NA
MWM-2	160	0.32	0.44	NA	NA
MWM-3	150	0.46	0.42	NA	NA
MWM-4	330	0.32	0.73	NA	NA
MWM-5	510	0.28	0.88	NA	NA
MWM-9	740	0.28	1.9	NA	NA
MWM-11	1,600	0.23	3.7	NA	NA
MWM-12	1,200	0.47	3.7	NA	NA
MWM-13	600	0.48	2.1	NA	NA
MWM-14	370	0.14	1.0	NA	NA
MWM-15	420	0.13	1.3	NA	NA
MWM-16	390	0.28	1.2	NA	NA
MWM-17	99	1.1	0.36	NA	NA
MWM-19	560	0.49	2.0	NA	NA
MWM-19 (D)	590	0.47	2.2	NA	NA
MWM-20	330	0.13	1.0	NA	NA
MWM-21	670	0.21	4.5	NA	NA
MWM-22	200	0.17	0.65	NA	NA
MWM-22 (D)	220	0.16	0.65	NA	NA
MWM-23	520	0.55	1.9	NA	NA
MWM-24	32	0.38	0.10	NA	NA
MWM-25	350	0.36	0.99	NA	NA
MWM-26	470	0.32	3.9	NA	NA
MBRMW-1	230	0.22	0.17	NA	NA
MBRMW-2	52	0.47	0.27	NA	NA
MBRMW-3	180	0.20	0.69	NA	NA
MBRMW-4	210	0.43	1.0	NA	NA
KMW-4	430	NA	NA	NA	NA
RMW-4	62	0.39	0.19	NA	NA
RMW-5	44	0.22	0.23	NA	NA
RMW-5 (D)	48	0.22	0.23	NA	NA
MWR-3	290	0.21	1.0	NA	NA
MWR-11	360	0.18	1.0	NA	NA
MWR-12	550	0.30	1.8	NA	NA
MWR-23	830	0.15	1.9	NA	NA
MWR-23 (D)	800	0.16	1.9	NA	NA
MWR-24	2,900	0.15	7.3	NA	NA
MWR-24 (D)	2,900	0.15	7.3	NA	NA
MWR-25	790	0.18	2.1	NA	NA
MWR-26	210	0.29	0.60	NA	NA
MWR-27	850	0.19	1.7	NA	NA
MWR-28	1,400	0.21	3.4	NA	NA
MWR-29	670	0.14	1.8	NA	NA
MWR-30	840	<0.10	2.0	NA	NA
MWR-31	1,500	<0.10	3.9	NA	NA
MWR-31 (D)	1,500	<0.10	3.9	NA	NA
MWR-32	1,000	<0.10	2.7	NA	NA
DS-1	230	0.17	0.76	NA	NA
DS-2	280	0.20	0.81	NA	NA
Effluent	230	0.15	<0.05	-9.1	-68
Pond S2	440	0.14	0.31	1.3	-22
Pond S4	270	0.11	0.089	-6.7	-58

NA: not analyzed

Second Quarter, 2007 (April-June)					
Samples collected in April and May					
Well Name	Anions (mg/L)			O-18 (per mil)	Deuterium (per mil)
	Chloride	Fluoride	Bromide		
MWM-1	97	0.20	0.31	NA	NA
MWM-2	150	0.26	0.46	NA	NA
MWM-3	130	0.44	0.34	NA	NA
MWM-3 (D)	130	0.42	0.39	NA	NA
MWM-4	290	0.32	0.70	NA	NA
MWM-5	500	0.27	0.86	NA	NA
MWM-9	750	0.26	2.1	NA	NA
MWM-11	1,500	0.24	3.7	NA	NA
MWM-12	1,200	0.45	3.8	NA	NA
MWM-13	770	0.36	2.8	NA	NA
MWM-14	400	0.14	1.2	NA	NA
MWM-15	440	0.15	1.4	NA	NA
MWM-16	470	0.27	1.4	NA	NA
MWM-17	210	0.78	0.93	NA	NA
MWM-17 (D)	210	0.78	0.92	NA	NA
MWM-19	400	0.45	1.6	NA	NA
MWM-20	350	0.13	1.1	NA	NA
MWM-20 (D)	350	0.13	1.1	NA	NA
MWM-21	380	0.17	4.8	NA	NA
MWM-22	200	0.15	0.63	NA	NA
MWM-23	520	0.47	1.8	NA	NA
MWM-24	36	0.31	0.13	NA	NA
MWM-25	420	0.30	1.2	NA	NA
MWM-26	480	0.28	4.3	NA	NA
MBRMW-1	220	0.24	0.23	NA	NA
MBRMW-2	53	0.41	0.28	NA	NA
MBRMW-3	150	0.28	0.63	NA	NA
MBRMW-3 (D)	150	0.27	0.61	NA	NA
MBRMW-4	200	0.38	1.1	NA	NA
RMW-4	57	0.32	0.17	NA	NA
RMW-5	46	0.19	0.21	NA	NA
MWR-3	390	0.12	1.2	NA	NA
MWR-11	380	0.15	1.1	NA	NA
MWR-12	570	0.26	1.8	NA	NA
MWR-23	710	0.11	1.8	NA	NA
MWR-24	2,300	<0.10	6.4	NA	NA
MWR-25	750	0.14	2.1	NA	NA
MWR-25 (D)	760	0.15	2.2	NA	NA
MWR-26	210	0.24	0.65	NA	NA
MWR-27	1,200	0.15	2.8	NA	NA
MWR-28	1,300	0.13	3.6	NA	NA
MWR-29	610	0.13	1.8	NA	NA
MWR-30	790	<0.10	2.1	NA	NA
MWR-31	1,500	<0.10	4.3	NA	NA
MWR-32	1,500	<0.10	4.2	NA	NA
MWR-32 (D)	1,500	<0.10	2.8	NA	NA
DS-1	88	0.12	0.26	NA	NA
DS-2	510	0.11	1.4	NA	NA
Effluent	230	0.16	0.011	-9.4	-69
Pond S2	260	0.14	0.18	-3.8	-42
Pond S4	230	0.14	0.13	-7.3	-58
San Joaquin R.	51	<0.10	0.14	-11.3	-80
San Joaquin R. (D)	51	<0.10	0.16	-11.2	-80
Municipal Water	38	0.14	<0.01	-9.4	-68

NA: not analyzed

First Quarter, 2007 (January-March)					
Samples collected in January and February					
Well Name	Anions (mg/L)			O-18 (per mil)	Deuterium (per mil)
	Chloride	Fluoride	Bromide		
MWM-1	64	0.22	0.23	NA	NA
MWM-2	140	0.29	0.46	NA	NA
MWM-3	130	0.42	0.42	NA	NA
MWM-3 (D)	130	0.45	0.42	NA	NA
MWM-4	260	0.34	0.55	NA	NA
MWM-5	480	0.25	0.78	NA	NA
MWM-6	180	0.37	0.58	NA	NA
MWM-7	160	0.88	0.62	NA	NA
MWM-9	720	0.24	1.8	NA	NA
MWM-11	1,500	0.17	3.2	NA	NA
MWM-12	1,100	0.39	3.4	NA	NA
MWM-13	720	0.36	2.5	NA	NA
MWM-14	410	0.12	1.2	NA	NA
MWM-15	430	0.15	1.2	NA	NA
MWM-16	540	0.18	1.6	NA	NA
MWM-17	210	0.69	0.84	NA	NA
MWM-17 (D)	220	0.68	0.88	NA	NA
MWM-19	440	0.48	1.4	NA	NA
MWM-20	370	0.14	1.2	NA	NA
MWM-21	670	0.17	4.0	NA	NA
MWM-21 (D)	670	0.17	4.0	NA	NA
MWM-22	190	0.15	0.59	NA	NA
MWM-23	440	0.37	2.2	NA	NA
MWM-24	38	0.36	0.12	NA	NA
MWM-25	710	0.27	1.7	NA	NA
MWM-26	460	0.26	3.8	NA	NA
MBRMW-1	240	0.22	0.26	NA	NA
MBRMW-2	54	0.44	0.27	NA	NA
MBRMW-3	150	0.25	0.59	NA	NA
MBRMW-3 (D)	140	0.25	0.63	NA	NA
MBRMW-4	210	0.38	1.0	NA	NA
KMW-4	380	NA	NA	NA	NA
RMW-4	82	0.33	0.23	NA	NA
RMW-5	63	0.19	0.32	NA	NA
MWR-3	700	<0.10	1.9	NA	NA
MWR-23	680	0.14	1.6	NA	NA
MWR-23 (D)	700	0.13	1.6	NA	NA
MWR-24	2,500	<0.10	5.7	NA	NA
MWR-25	750	0.16	1.9	NA	NA
MWR-26	210	0.29	0.31	NA	NA
MWR-27	1,200	0.12	2.5	NA	NA
MWR-27 (D)	1,200	0.11	2.6	NA	NA
MWR-28	1,300	<0.10	3.0	NA	NA
MWR-29	620	0.14	1.6	NA	NA
MWR-30	770	<0.10	1.8	NA	NA
MWR-31	1,500	<0.10	3.7	NA	NA
MWR-32	1,000	<0.10	2.5	NA	NA
DS-1	720	0.11	1.9	NA	NA
DS-2	670	0.10	1.7	NA	NA
Effluent	190	0.15	0.014	-8.9	-66
Pond S2	NA	NA	NA	-5.7	-50
Pond S4	NA	NA	NA	-8.4	-63

NA: not analyzed

Fourth Quarter, 2006 (October-December)					
Samples collected in October					
Well Name	Anions (mg/L)			O-18 (per mil)	Deuterium (per mil)
	Chloride	Fluoride	Bromide		
MWM-1	77	0.24	0.28	NA	NA
MWM-2	150	0.34	0.47	NA	NA
MWM-3	140	0.49	0.47	NA	NA
MWM-4	250	0.40	0.62	NA	NA
MWM-4 (D)	240	0.40	0.63	NA	NA
MWM-5	490	0.33	0.88	NA	NA
MWM-6	180	0.47	0.64	NA	NA
MWM-7	350	0.92	1.0	NA	NA
MWM-9	460	0.36	1.5	NA	NA
MWM-10	150	0.17	0.40	NA	NA
MWM-11	1,500	0.30	3.5	NA	NA
MWM-12	1,200	0.50	4.0	NA	NA
MWM-13	770	0.50	3.0	NA	NA
MWM-14	420	0.18	1.2	NA	NA
MWM-15	400	0.18	1.4	NA	NA
MWM-16	550	0.26	1.7	NA	NA
MWM-16 (D)	540	0.27	1.7	NA	NA
MWM-17	180	1.2	0.68	NA	NA
MWM-18	330	0.40	1.1	NA	NA
MWM-19	280	0.76	1.1	NA	NA
MWM-20	400	0.17	1.2	NA	NA
MWM-21	620	0.29	3.9	NA	NA
MWM-22	190	0.23	0.63	NA	NA
MWM-23	440	0.61	2.0	NA	NA
MWM-24	44	0.40	0.17	NA	NA
MWM-24 (D)	46	0.41	0.19	NA	NA
MWM-25	120	0.46	0.48	NA	NA
MWM-26	460	0.37	3.8	NA	NA
MBRMW-1	190	0.21	0.28	NA	NA
MBRMW-1 (D)	180	0.25	0.28	NA	NA
MBRMW-2	53	0.47	0.31	NA	NA
MBRMW-3	150	0.31	0.68	NA	NA
MBRMW-4	200	0.49	1.0	NA	NA
KMW-4	380	NA	NA	NA	NA
RMW-4	80	0.41	0.24	NA	NA
RMW-5	39	0.25	0.21	NA	NA
MWR-3	470	0.14	1.5	NA	NA
MWR-23	710	0.14	1.9	NA	NA
MWR-24	2,100	0.15	5.4	NA	NA
MWR-25	700	0.14	2.2	NA	NA
MWR-25 (D)	740	0.40	2.2	NA	NA
MWR-26	210	0.27	0.67	NA	NA
MWR-27	1,100	0.20	2.4	NA	NA
MWR-28	1,300	0.17	3.4	NA	NA
MWR-28 (D)	1,300	0.18	3.4	NA	NA
MWR-29	660	0.18	2.0	NA	NA
MWR-30	780	0.13	2.0	NA	NA
MWR-31	1,500	<0.10	4.0	NA	NA
MWR-32	980	<0.10	2.8	NA	NA
DS-1	770	0.20	2.3	NA	NA
DS-2	770	0.14	2.2	NA	NA
Effluent	300	0.16	0.053	-8.9	-64
Pond 3MBR	NA	NA	NA	-7.1	-53

NA: not analyzed

Third Quarter, 2006 (July-September)			
Samples collected in August			
Well Name	Anions (mg/L)		
	Chloride	Fluoride	Bromide
MWM-3	150	0.45	0.36
MWM-3 (D)	150	0.44	0.35
MWM-4	260	0.31	0.24
MWM-5	450	0.29	0.24
MWM-6	180	0.39	0.50
MWM-7	940	0.66	0.40
MWM-9	140	0.31	0.26
MWM-10	150	0.10	0.40
MWM-11	1,300	0.21	0.65
MWM-12	1,100	0.41	0.90
MWM-13	880	0.38	0.71
MWM-14	470	<0.10	0.42
MWM-15	520	0.12	0.52
MWM-16	540	0.14	1.2
MWM-17	210	0.99	1.7
MWM-18	290	0.26	1.2
MWM-19	150	0.76	0.77
MWM-20	340	0.14	0.93
MWM-20 (D)	340	0.14	0.94
MWM-21	690	0.17	1.2
MWM-22	180	0.14	0.41
MWM-23	490	0.52	1.0
MWM-24	59	0.29	0.29
MWM-25	120	0.39	0.49
MWM-25 (D)	120	0.39	0.46
MWM-26	480	0.26	0.86
MBRMW-1	49	0.14	0.61
MBRMW-2	54	0.36	0.68
MBRMW-3	150	0.20	1.3
MBRMW-3 (D)	150	0.18	1.4
MBRMW-4	200	0.38	1.0
KMW-4	460	NA	0.90
RMW-4	64	0.32	0.33
RMW-5	36	0.17	0.23
MWR-3	580	0.12	0.55
MWR-23	720	0.12	0.45
MWR-24	2,200	0.12	0.067
MWR-25	750	0.14	0.24
MWR-25 (D)	740	0.15	0.24
MWR-26	200	0.24	0.80
MWR-27	750	0.16	0.13
MWR-28	1,300	0.14	0.42
MWR-28 (D)	1,300	0.15	0.46
MWR-29	680	0.13	0.55
MWR-30	760	<0.10	0.098
MWR-31	1,400	<0.10	0.13
MWR-32	1,000	<0.10	0.29
DS-1	400	0.17	0.40
DS-2	370	0.14	0.36
Effluent	270	0.15	NA

Samples not collected for O-18, deuterium, B-11, and caffeine.

Second Quarter, 2006 (April-June)								
Samples collected in May								
Well Name	Anions (mg/L)				O-18 (per mil)	Deuterium (per mil)	B-11 (per mil)	Caffeine (ug/L)
	Chloride	Fluoride	Bromide	Iodide				
MWM-1	27	0.41	0.087	0.031	-11.2	-79	NA	NA
MWM-1 (D)	27	0.43	0.082	0.028	-11.1	-79	NA	NA
MWM-2	140	0.34	0.51	<0.025	-10.5	-77	NA	NA
MWM-3	130	0.43	0.40	0.015	-10.8	-78	NA	NA
MWM-4	230	0.35	0.62	0.026	-10.0	-73	NA	NA
MWM-5	440	0.27	0.83	0.038	-9.8	-72	NA	NA
MWM-6	190	0.35	0.69	0.014	-10.3	-76	NA	NA
MWM-7	910	0.52	2.0	0.053	-8.8	-66	NA	NA
MWM-8	890	0.35	2.2	0.022	-7.9	-60	35.0	NA
MWM-9	570	0.28	1.8	0.32	-8.1	-61	NA	NA
MWM-10	140	0.14	0.40	0.018	-10.2	-76	NA	NA
MWM-11	1,200	0.24	3.1	0.029	-8.3	-63	NA	NA
MWM-12	1,100	0.39	3.6	0.15	-7.9	-61	6.7	NA
MWM-13	660	0.45	2.4	0.16	-7.8	-57	NA	NA
MWM-14	530	0.14	1.5	0.025	-9.7	-73	26.1	NA
MWM-14 (D)	530	0.13	1.5	0.027	-9.6	-74	NA	NA
MWM-15	390	0.17	1.4	0.087	-9.3	-71	NA	NA
MWM-16	470	0.21	1.5	0.064	-9.5	-71	32.8	NA
MWM-16 (D)	480	0.19	1.5	0.066	-9.0	-71	NA	NA
MWM-17	390	0.55	0.97	0.24	-9.6	-72	NA	NA
MWM-18	290	0.24	1.0	0.074	-9.8	-74	11.0	NA
MWM-19	86	0.85	0.36	0.082	-7.0	-49	9.2	NA
MWM-20	290	0.19	0.91	0.025	-9.4	-71	NA	NA
MWM-21	610	0.17	3.4	0.20	-9.2	-69	NA	NA
MWM-22	190	0.14	0.66	0.030	-10.0	-74	NA	NA
MWM-23	670	0.61	2.8	0.072	-8.7	-68	NA	NA
MWM-24	65	0.34	0.23	0.014	-10.9	-79	21.4	NA
MWM-25	170	0.40	0.59	0.087	-9.3	-71	NA	NA
MWM-26	450	0.28	3.9	0.092	-8.8	-68	NA	NA
MWM-26 (D)	450	0.29	3.9	0.086	-8.8	-68	NA	NA
MBRMW-1	46	0.17	0.20	0.12	-6.2	-50	NA	NA
MBRMW-2	56	0.42	0.37	0.11	-6.3	-51	NA	NA
MBRMW-3	140	0.27	0.61	0.16	-6.0	-51	NA	NA
MBRMW-4	190	0.42	0.96	0.11	-4.0	-45	NA	NA
KMW-4	310	NA	NA	NA	NA	NA	NA	NA
RMW-4	140	0.18	0.42	0.063	-7.1	-53	NA	NA
RMW-4 (D)	150	0.17	0.54	0.063	-7.0	-53	NA	NA
RMW-5	49	0.18	0.22	<0.010	-7.8	-54	NA	NA
MWR-3	490	0.24	1.50	NA	-9.3	-69	44.0	NA
MWR-23	620	0.24	1.70	<0.050	NA	NA	NA	NA
MWR-24	2100	<0.1	5.70	<0.50	-9.2	-71	19.5	NA
MWR-25	730	0.22	2.20	0.21	NA	NA	NA	NA
MWR-26	210	0.30	0.67	<0.050	-8.4	-74	NA	NA
MWR-27	750	0.98	1.70	<0.010	-9.3	-73	NA	NA
MWR-28	1,200	1.2	3.20	<0.050	-8.4	-67	61.4	NA
MWR-29	720	0.94	2.30	<0.025	-8.3	-65	NA	NA
MWR-30	680	1.1	1.80	<0.050	-10.1	-76	NA	NA
MWR-31	1,600	<0.1	4.40	<0.50	-8.4	-67	NA	NA
MWR-32	980	0.15	2.80	<0.010	-8.2	-66	54.2	NA
DS-1	500	0.26	1.60	NA	-8.6	-68	NA	NA
DS-2	550	0.25	1.60	NA	NA	NA	NA	NA
Effluent	360	0.20	0.060	0.11	-8.6	-65	21.9	<0.02
Effluent (D)	360	0.20	0.48	0.12	-8.6	-65	20.0	<0.02
Municipal Water	50	0.12	0.11	<0.010	-9.1	-65	24.2	<0.02
San Joaquin River	7.9	<0.1	0.029	<0.010	-11.8	-83	11.3	<0.02

NA: not analyzed

First Quarter, 2006 (January-March)			
Most samples collected in February			
Well Name	Anions (mg/L)		
	Chloride	Fluoride	Bromide
MWM-1	90	0.34	0.32
MWM-2	150	0.33	0.50
MWM-3	140	0.44	0.46
MWM-4	220	0.38	0.56
MWM-5	470	0.30	0.78
MWM-6	170	0.47	0.58
MWM-7	1,000	0.61	2.50
MWM-7 (D)	1,000	0.62	2.60
MWM-9	770	0.29	2.10
MWM-10	180	0.20	0.51
MWM-11	1,300	0.26	3.20
MWM-12	1,100	0.47	4.00
MWM-12 (D)	1,100	0.46	4.00
MWM-13	610	0.47	2.30
MWM-14	600	0.17	1.60
MWM-15	370	0.18	1.30
MWM-16	530	0.24	1.60
MWM-17	400	0.56	0.95
MWM-18	290	0.28	1.00
MWM-19	350	0.63	1.50
MWM-20	210	0.21	0.61
MWM-20 (D)	270	0.23	0.80
MWM-21	670	0.17	4.60
MWM-22	73	0.41	0.24
MWM-23	680	0.62	3.60
MWM-24	270	0.23	0.86
MWM-25	160	0.45	0.58
MWM-26	480	0.34	4.20
MBRMW-1	46	0.23	0.22
MBRMW-2	74	0.43	0.38
MBRMW-3	130	0.30	0.54
MBRMW-4	190	0.44	0.94
MBRMW-4 (D)	190	0.44	0.91
KMW-4	216	NA	NA
RMW-4	150	0.18	0.46
RMW-4 (D)	150	0.18	0.43
RMW-5	66	0.18	0.36
MWR-3	1,600	ND	2.10
MWR-23	850	0.29	2.10
MWR-23 (D)	840	ND	2.10
MWR-24	2,600	0.40	6.50
MWR-25	820	ND	2.30
MWR-26	200	0.13	0.66
MWR-27	1,000	ND	2.50
MWR-28	1,300	ND	3.30
MWR-29	780	ND	2.30
MWR-30	750	ND	1.90
MWR-31	1,900	ND	5.00
MWR-32	1,100	ND	2.90

O-18 and deuterium sample results were not available for this report. B-11, caffeine, and EDTA samples were not collected in the 1st quarter of 2006.

Fourth Quarter, 2005 (October-December)					
Samples collected in October and November					
Well Name	Anions (mg/L)			O-18 (per mil)	Deuterium (per mil)
	Chloride	Fluoride	Bromide		
MWM-1	89	0.32	0.29	-10.2	-76
MWM-2	140	0.34	0.52	-10.5	-77
MWM-3	140	0.45	0.40	-10.7	-78
MWM-4	220	0.35	0.60	-9.9	-73
MWM-5	440	0.26	0.83	-9.7	-71
MWM-6	160	0.47	0.53	-10.3	-77
MWM-7	1,000	0.59	2.90	-7.9	-62
MWM-7 (D)	1,000	0.60	2.90	-7.9	-62
MWM-8	510	0.42	1.30	-8.2	-66
MWM-9	750	0.26	2.10	-8.2	-61
MWM-10	160	0.14	0.38	-10.2	-75
MWM-11	1,100	0.28	3.10	-8.4	-62
MWM-12	1,200	0.42	4.00	-8.0	-62
MWM-12 (D)	1,200	0.42	3.90	-8.0	-62
MWM-13	770	0.40	2.80	-7.9	-59
MWM-14	590	0.14	1.60	-9.7	-74
MWM-15	360	0.18	1.20	-9.6	-73
MWM-15 (D)	360	0.21	1.30	-9.5	-72
MWM-16	450	0.27	1.40	-9.1	-69
MWM-17	420	0.53	1.00	-9.7	-74
MWM-18	290	0.28	0.99	-9.7	-74
MWM-19	1,300	0.20	4.80	-7.9	-60
MWM-20	300	0.22	0.95	-9.5	-72
MWM-21	610	0.21	3.20	-9.2	-72
MWM-21 (D)	610	0.20	3.30	-9.2	-72
MWM-22	190	0.18	0.60	-9.8	-74
MWM-23	920	0.43	3.30	-9.0	-69
MWM-24	89	0.38	0.28	-10.0	-72
MWM-25	150	0.45	0.49	-9.3	-71
MWM-26	460	0.30	4.30	-8.8	-67
MBRMW-1	57	0.19	0.20	-6.3	-52
MBRMW-2	86	0.40	0.40	-6.5	-53
MBRMW-3	140	0.28	0.62	-6.2	-52
MBRMW-3 (D)	140	0.28	0.60	-6.2	-51
RMW-4	150	0.19	0.48	NA	NA
RMW-5	86	0.14	0.49	NA	NA
MWR-3	720	<0.1	2.4	NA	NA
MWR-23	830	0.29	2.1	NA	NA
MWR-23 (D)	820	0.25	2.1	NA	NA
MWR-24	2,400	0.25	6.5	NA	NA
MWR-25	770	0.14	2.3	NA	NA
MWR-26	200	0.35	0.64	NA	NA
MWR-27	890	<0.1	2.1	NA	NA
MWR-28	1,300	<0.1	3.4	NA	NA
MWR-29	840	<0.1	2.5	NA	NA
MWR-30	710	<0.1	1.9	NA	NA
MWR-31	1,800	<0.1	4.7	NA	NA
MWR-32	1,000	<0.1	2.9	NA	NA

NA: not analyzed

B-11, caffeine, and EDTA samples were not collected in the 4th quarter of 2005.

Third Quarter, 2005 (July-September)							
Most Mossdale samples collected at the end of June							
Well Name	Anions (mg/L)			O-18	Deuterium	B-11	Caffeine (ug/L)
	Chloride	Fluoride	Bromide				
MWM-1	75	<1	<1	-10.4	-78		
MWM-2	130	<1	9.2	-10.6	-78		
MWM-3 ^a	150	<1	<1				
MWM-4	270	<1	<1	-9.5	-72		
MWM-5	490	<1	<1	-9.4	-70		
MWM-6	170	<1	<1	-10.3	-78		
MWM-7	960	<1	2.2	-8.2	-55		
MWM-8	800	<1	1.8	-8.7	-67		<0.05
MWM-8 (D)	790	<1	1.8	-8.9	-67		<0.05
MWM-9	160	<1	<1	-8.3	-58		
MWM-10	200	<1	<1	-9.9	-74		
MWM-11	230	<1	2.8	-8.3	-63		
MWM-12 ^a	1,100	<1	3.6				
MWM-13	97	<1	<1	-8.4	-58		
MWM-14	660	<1	1.4	-9.7	-74		
MWM-15	380	<1	1.1	-9.7	-73		<0.05
MWM-16	490	<1	1.3	-9.5	-70		
MWM-17	460	<1	<1	-9.7	-73		
MWM-18	340	<1	<1	-9.8	-73		<0.05
MWM-19	1,100	<1	4.5	-8.1	-60		
MWM-20	380	<1	<1	-9.4	-72		
MWM-21	630	<1	2.8	-10.1	-70		
MWM-22	190	<1	<1	-9.6	-75		
MWM-23 ^a	900	<1	3.0				
MWM-24	100	<1	<1	-9.8	-74		<0.05
MWM-25	120	<1	<1	-9.1	-72		
MWM-26	520	<1	3.9	-8.8	-68		
MBRMW-1	180	<1	<1	-6.5	-53		
MBRMW-2	48	<1	<1	-6.2	-51		
MBRMW-3	140	<1	<1	-6.1	-51		
MWR-1 ^b	380	0.1	1.5	-9.7	-73		
MWR-3 ^b	540	0.19	1.6	-9.5	-70		
MWR-4 ^b	610	0.29	1.8	-9.0	-70		
MWR-11 ^b	360	0.23	1	-8.8	-70		
MWR-12 ^b	650	0.27	1.9	-8.4	-67		
MWR-23 ^b	840	<0.01	2	-8.6	-68		
MWR-24 ^b	3300	<0.1	8	-8.5	-68		<0.05
MWR-25 ^b	800	0.2	2.2	-9.8	-75		
MWR-26 ^b	220	0.38	0.68	-9.9	-75		
MWR-27 ^b	740	<0.1	1.5	-9.2	-73		
MWR-28 ^b	1300	<0.1	3.2	-8.4	-66		<0.05
MWR-29 ^b	760	<0.1	2.2	-8.2	-63		
MWR-30 ^b	720	0.2	1.8	-10.0	-75		
MWR-31 ^b	1600	<0.1	4.3	-8.5	-68		
MWR-32 ^b	1100	1.3	2.8	-8.2	-66		<0.05

a: sample date was July 19, 2005.

b: sample date was August 31, 2005.

B-11 and EDTA samples were not collected in the 3rd quarter of 2005.

Second Quarter 2005 (April-June)							
Most samples collected in May							
Well Name	Anions (mg/L)			O-18	Deuterium	B-11	Caffeine
	Chloride	Fluoride	Bromide				
MWM-1	88	<1	<1	-10.0	-75		
MWM-2	170	<1	<1	-10.4	-76		
MWM-3 ^a	140	1.5	<1	-10.7	-79		
MWM-4	300	<1	<1	-9.4	-69		
MWM-5	410	<1	<1	-9.2	-68		
MWM-6	180	<1	<1	-10.1	-76		
MWM-7	960	<1	2.2	-8.0	-63		
MWM-8	640	<1	1.4	-9.3	-70		
MWM-9	210	<1	<1	-8.3	-58		
MWM-10	170	<1	<1	-10.0	-74		
MWM-11	780	<1	2.1	-8.1	-61		
MWM-12 ^b	240	<1	3.5	-8.1	-61		<0.05
MWM-13	580	<1	2	-7.7	-55		
MWM-14	740	<1	1.7	-9.6	-74		
MWM-15	390	<1	1.2	-9.6	-72		
MWM-16	490	<1	1.3	-9.5	-70		
MWM-17	530	<1	1.2	-9.6	-72		
MWM-18	340	<1	<1	-9.7	-73		
MWM-18 (D)	340	<1	<1				
MWM-19	1,300	<1	4.7	-8.1	-62		
MWM-20	580	<1	1.3	-9.4	-73		
MWM-21	640	<1	2.6	-9.1	-70		
MWM-22	180	<1	<1	-9.9	-76		
MWM-23 ^a	940	<1	3.1	-9.0	-69		
MWM-24	110	<1	<1	-9.9	-76		
MWM-25	140	<1	<1	-9.3	-73		
MWM-26	540	<1	4	-8.8	-68		
MBRMW-1	130	<1	<1	-6.6	-53		
MBRMW-2	270	<1	<1	-7.2	-55		
MBRMW-3	190	<1	<1	-6.3	-52		

a: sample date was July 5, 2005.

b: sample date was June 28, 2005.

B-11 and EDTA samples were not collected in the 2nd quarter of 2005.

Appendix E: Laboratory Analytical Reports



Analytical Chemists
August 18, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0936885
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 32 pages divided into 3 sections:

Case Narrative (3 pages) : An overview of the work performed at FGL.
Sample Results (24 pages) : Results for each sample submitted.
Quality Control (5 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
RMW-4	07/27/2009	07/27/2009	STK0936885-001	MW
RMW-5	07/27/2009	07/27/2009	STK0936885-002	MW
MBRMW-1	07/27/2009	07/27/2009	STK0936885-003	MW
MBRMW-2	07/27/2009	07/27/2009	STK0936885-004	MW
MBRMW-3	07/27/2009	07/27/2009	STK0936885-005	MW
MBRMW-4	07/27/2009	07/27/2009	STK0936885-006	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice in 5 packages. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	07/29/2009:209649 All analysis quality controls are within established criteria.
	07/29/2009:207852 All preparation quality controls are within established criteria.

Organic QC

524.2	07/30/2009:209724 All analysis quality controls are within established criteria, except: The following note applies to 1,2-Dichlorobenzene-d4: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936885
Customer : 3-15742

Organic QC

524.2	07/30/2009:207946 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	07/29/2009:209678 All analysis quality controls are within established criteria.
	07/29/2009:207858 All preparation quality controls are within established criteria.
2540 C	07/29/2009:207891 All preparation quality controls are within established criteria.
	07/30/2009:207947 All preparation quality controls are within established criteria.
300.0	07/29/2009:209626 All analysis quality controls are within established criteria.
	07/29/2009:209670 All analysis quality controls are within established criteria.
	07/28/2009:207874 All preparation quality controls are within established criteria.
	07/29/2009:207899 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
351.1	08/05/2009:208155 All preparation quality controls are within established criteria.
4500NH3B	08/05/2009:208158 All preparation quality controls are within established criteria.
4500NH3G	08/06/2009:210025 All analysis quality controls are within established criteria.
EPA351.2	08/07/2009:210091 All analysis quality controls are within established criteria.

Discussion of Analytical Results: Amended Report

STK0936885-001 RMW-4	Amended to include Sulfate.
STK0936885-002 RMW-5	Amended to include Sulfate.
STK0936885-003 MBRMW-1	Amended to include Sulfate.
STK0936885-004 MBRMW-2	Amended to include Sulfate.
STK0936885-005 MBRMW-3	Amended to include Sulfate.
STK0936885-006 MBRMW-4	Amended to include Sulfate.

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936885
Customer : 3-15742

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-19

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : RMW-4
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-001
Customer ID : 3-15742

Sampled On : July 27, 2009-13:30
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	99.0	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-12:42ACC
1,2-Dichlorobenzene-d4	86.5	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-12:42ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-12:42ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-12:42ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-12:42ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-12:42ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-12:42ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : RMW-4
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-001
Customer ID : 3-15742

Sampled On : July 27, 2009-13:30
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.53			units	1				07/27/09 13:30	4500-H B		07/27/09 13:30

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : RMW-4
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-001
Customer ID : 3-15742

Sampled On : July 27, 2009-13:30
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.3	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:03SJM
Calcium	72	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:03SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:03SJM
Magnesium	51	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:03SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:03SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:03SJM
Sodium	114	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:03SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:20AMB
Alkalinity (as CaCO3)	420	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:43AMB
Bicarbonate	510	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:43AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:43AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:43AMB
Bromide	0.08	0.03		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:10CHL
Chloride	62	1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:10CHL
Nitrate Nitrogen	14.4	0.1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:10CHL
Nitrate + Nitrite as N	14.4	0.1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:10CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U- b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:14AMB
Solids, Total Dissolved (TDS)	760	20		mg/L	1	:b	2540 C	207891	07/29/09 14:34	2540C	209680-WT219	07/30/09-08:33ACC
Sulfate	91	2		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:10CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : RMW-5
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-002
Customer ID : 3-15742

Sampled On : July 27, 2009-14:15
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	94.8	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:19ACC
1,2-Dichlorobenzene-d4	86.1	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:19ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:19ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:19ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:19ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:19ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:19ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : RMW-5
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-002
Customer ID : 3-15742

Sampled On : July 27, 2009-14:15
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.69			units	1				07/27/09 14:15	4500-H B		07/27/09 14:15

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : RMW-5
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-002
Customer ID : 3-15742

Sampled On : July 27, 2009-14:15
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.3	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:06SJM
Calcium	82	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:06SJM
Iron	ND	0.05		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:06SJM
Magnesium	26	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:06SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:06SJM
Potassium	4	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:06SJM
Sodium	67	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:06SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:21AMB
Alkalinity (as CaCO3)	290	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:54AMB
Bicarbonate	350	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:54AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:54AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-13:54AMB
Bromide	0.16	0.03		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:41CHL
Chloride	54	1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:41CHL
Nitrate Nitrogen	18.3	0.1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:41CHL
Nitrate + Nitrite as N	18.3	0.1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:41CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U- b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:15AMB
Solids, Total Dissolved (TDS)	580	20		mg/L	1	:b	2540 C	207891	07/29/09 14:34	2540C	209680-WT219	07/30/09-08:33ACC
Sulfate	45	2		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-11:41CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-1
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-003
Customer ID : 3-15742

Sampled On : July 27, 2009-11:05
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	94.8	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
1,2-Dichlorobenzene-d4	82.7	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Chloroform	6.08	0.5	0.077	ug/L	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Total Trihalomethanes	6.1	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MBRMW-1
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-003
Customer ID : 3-15742

Sampled On : July 27, 2009-11:05
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	94.8	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
1,2-Dichlorobenzene-d4	82.7	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Chloroform	6.08	0.5	0.077	ug/L	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC
Total Trihalomethanes	6.1	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-13:56ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Description : MBRMW-1
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-003
Customer ID : 3-15742

Sampled On : July 27, 2009-11:05
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.64			units	1				07/27/09 11:05	4500-H B		07/27/09 11:05

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
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Description : MBRMW-1
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-003
Customer ID : 3-15742

Sampled On : July 27, 2009-11:05
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.64			units	1				07/27/09 11:05	4500-H B		07/27/09 11:05

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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August 18, 2009

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Description : MBRMW-1
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Lab ID : STK0936885-003
Customer ID : 3-15742

Sampled On : July 27, 2009-11:05
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.5	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Calcium	29	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Magnesium	10	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Sodium	306	2		mg/L	2	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-11:59SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:25AMB
Alkalinity (as CaCO3)	300	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Bicarbonate	360	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Bromide	0.17	0.03		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL
Chloride	286	5		mg/L	5	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:48CHL
Nitrate Nitrogen	2.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL
Nitrate + Nitrite as N	2.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E- b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:16AMB
Solids, Total Dissolved (TDS)	930	20		mg/L	1	:-b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:04ACC
Sulfate	87	2		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

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Lab ID : STK0936885-003
Customer ID : 3-15742

Sampled On : July 27, 2009-11:05
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.5	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Calcium	29	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Magnesium	10	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:10SJM
Sodium	306	2		mg/L	2	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-11:59SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:25AMB
Alkalinity (as CaCO3)	300	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Bicarbonate	360	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:04AMB
Bromide	0.17	0.03		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL
Chloride	286	5		mg/L	5	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:48CHL
Nitrate Nitrogen	2.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL
Nitrate + Nitrite as N	2.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E- b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:16AMB
Solids, Total Dissolved (TDS)	930	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:04ACC
Sulfate	87	2		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:33CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-2
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-004
Customer ID : 3-15742

Sampled On : July 27, 2009-11:45
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	94.9	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-14:33ACC
1,2-Dichlorobenzene-d4	84.6	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-14:33ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-14:33ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-14:33ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-14:33ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-14:33ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-14:33ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
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Description : MBRMW-2
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-004
Customer ID : 3-15742

Sampled On : July 27, 2009-11:45
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.88			units	1				07/27/09 11:45	4500-H B		07/27/09 11:45

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Teresa Deverel
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Description : MBRMW-2
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-004
Customer ID : 3-15742

Sampled On : July 27, 2009-11:45
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.6	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:15SJM
Calcium	36	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:15SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:15SJM
Magnesium	14	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:15SJM
Manganese	0.60	0.01		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:15SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:15SJM
Sodium	310	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:15SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:26AMB
Alkalinity (as CaCO3)	400	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:15AMB
Bicarbonate	490	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:15AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:15AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:15AMB
Bromide	0.17	0.03		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-05:03CHL
Chloride	63	1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-05:03CHL
Nitrate Nitrogen	1.6	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-05:03CHL
Nitrate + Nitrite as N	1.6	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-05:03CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E- b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:19AMB
Solids, Total Dissolved (TDS)	970	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:05ACC
Sulfate	310	10		mg/L	5	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-05:19CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-3
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-005
Customer ID : 3-15742

Sampled On : July 27, 2009-10:00
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.1	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
1,2-Dichlorobenzene-d4	85.2	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-3
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-005
Customer ID : 3-15742

Sampled On : July 27, 2009-10:00
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.1	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
1,2-Dichlorobenzene-d4	85.2	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:09ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-3
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-005
Customer ID : 3-15742

Sampled On : July 27, 2009-10:00
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.27			units	1				07/27/09 10:00	4500-H B		07/27/09 10:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
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Description : MBRMW-3
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-005
Customer ID : 3-15742

Sampled On : July 27, 2009-10:00
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.27			units	1				07/27/09 10:00	4500-H B		07/27/09 10:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MBRMW-3
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-005
Customer ID : 3-15742

Sampled On : July 27, 2009-10:00
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	1.2	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Calcium	37	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Magnesium	19	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Sodium	612	5		mg/L	5	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-12:01SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:27AMB
Alkalinity (as CaCO3)	940	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Bicarbonate	1150	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Bromide	0.44	0.03		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:05CHL
Chloride	170	10		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:20CHL
Nitrate Nitrogen	14.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:05CHL
Nitrate + Nitrite as N	14.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:05CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E- b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:20AMB
Solids, Total Dissolved (TDS)	1790	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:10ACC
Sulfate	290	20		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:20CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-3
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-005
Customer ID : 3-15742

Sampled On : July 27, 2009-10:00
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	1.2	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Calcium	37	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Magnesium	19	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:31SJM
Sodium	612	5		mg/L	5	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-12:01SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:27AMB
Alkalinity (as CaCO3)	940	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Bicarbonate	1150	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:27AMB
Bromide	0.44	0.03		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:05CHL
Chloride	170	10		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:20CHL
Nitrate Nitrogen	14.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:05CHL
Nitrate + Nitrite as N	14.3	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:05CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E- b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:20AMB
Solids, Total Dissolved (TDS)	1790	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:10ACC
Sulfate	290	20		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-06:20CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-4
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-006
Customer ID : 3-15742

Sampled On : July 27, 2009-12:30
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	96.4	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:46ACC
1,2-Dichlorobenzene-d4	88.7	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:46ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:46ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:46ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:46ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:46ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-15:46ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
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Description : MBRMW-4
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-006
Customer ID : 3-15742

Sampled On : July 27, 2009-12:30
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.89			units	1				07/27/09 12:30	4500-H B		07/27/09 12:30

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MBRMW-4
Project : Pond S6/WRP-1 - GWM

Lab ID : STK0936885-006
Customer ID : 3-15742

Sampled On : July 27, 2009-12:30
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	1.1	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:34SJM
Calcium	14	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:34SJM
Iron	ND	0.05		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:34SJM
Magnesium	8	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:34SJM
Manganese	0.13	0.01		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:34SJM
Potassium	1	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:34SJM
Sodium	577	5		mg/L	5	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-12:04SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208158	08/05/09 11:00	4500NH3G	210025-FI206	08/06/09-05:28AMB
Alkalinity (as CaCO3)	490	10		mg/L	1	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:48AMB
Bicarbonate	590	10		mg/L	1.000	:	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:48AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:48AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207858	07/29/09 08:25	2320B	209678-MT201	07/29/09-14:48AMB
Bromide	0.76	0.03		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-10:40CHL
Chloride	230	10		mg/L	10	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-10:55CHL
Nitrate Nitrogen	10.6	0.1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-10:40CHL
Nitrate + Nitrite as N	11.0	0.1		mg/L	1	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-10:40CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:Ub	351.1	208155	08/05/09 10:30	EPA351.2	210091-FI206	08/07/09-04:21AMB
Solids, Total Dissolved (TDS)	1740	20		mg/L	1	-b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:12ACC
Sulfate	580	20		mg/L	10	:	300.0	207899	07/29/09 09:00	300.0	209670-IC204	07/29/09-10:55CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 18, 2009
 HydroFocus, Inc.

Lab ID : STK0936885
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 1,2-Dichlorobenzene-d4	524.2	07/30/2009:207946	Blank	ug/L	10.00	84.7 %	70-130	
			BS	ug/L	10.00	126 %	70-130	
			BSD	ug/L	10.00	128 %	70-130	
			BSRPD	ug/L	10.00	0.9%	≤30	
			CCV	ug/L	10.00	136 %	70-130	
4-Bromofluorobenzene	524.2	07/30/2009:207946	Blank	ug/L	10.00	96.0 %	70-130	
			BS	ug/L	10.00	111 %	70-130	
			BSD	ug/L	10.00	117 %	70-130	
			BSRPD	ug/L	10.00	5.7%	≤30	
			CCV	ug/L	10.00	118 %	70-130	
4-Bromofluorobenzene (BFB)	524.2	07/30/2009:207946	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	125 %	63-134	
			BSD	ug/L	10.00	120 %	63-134	
			BSRPD	ug/L	10.00	3.6%	≤15.6	
			CCV	ug/L	10.00	127 %	70-130	
Bromodichloromethane	524.2	07/30/2009:207946	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	116 %	55-147	
			BSD	ug/L	10.00	106 %	55-147	
			BSRPD	ug/L	10.00	9.0%	≤18.7	
			CCV	ug/L	10.00	120 %	70-130	
Bromoform	524.2	07/30/2009:207946	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	116 %	55-147	
			BSD	ug/L	10.00	106 %	55-147	
			BSRPD	ug/L	10.00	9.0%	≤18.7	
			CCV	ug/L	10.00	120 %	70-130	
Chloroform	524.2	07/30/2009:207946	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	128 %	57-155	
			BSD	ug/L	10.00	123 %	57-155	
			BSRPD	ug/L	10.00	3.6%	≤18.2	
			CCV	ug/L	10.00	129 %	70-130	
Dibromochloromethane	524.2	07/30/2009:207946	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	102 %	66-128	
			BSD	ug/L	10.00	103 %	66-128	
			BSRPD	ug/L	10.00	0.8%	≤22.0	
			CCV	ug/L	10.00	106 %	70-130	
Definition								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.								
BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.								
BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.								
ND : Non-detect - Result was below the DQO listed for the analyte.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation								
360 : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.								

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936885
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	4.000	101 %	75-125	
			MSD	mg/L	4.000	101 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.018	0.10	
			CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.024	0.10	
			CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.034	0.10	
Calcium	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	12.51	84.7 %	75-125	
			MSD	mg/L	12.51	90.9 %	75-125	
			MSRPD	mg/L	799.2	1.1%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.02	94.7 %	90-110	
			CCB	ppm		0.004	1.0	
			CCV	ppm	25.02	96.2 %	90-110	
			CCB	ppm		0.007	1.0	
			CCV	ppm	25.02	97.3 %	90-110	
			CCB	ppm		0.006	1.0	
Iron	200.7	07/29/2009:207852 (VI 0941529-001)	MS	ug/L	3992	96.7 %	75-125	
			MSD	ug/L	3992	99.8 %	75-125	
			MSRPD	ug/L	799.2	3.2%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	4.990	96.5 %	90-110	
			CCB	ppm		-0.0398	0.05	
			CCV	ppm	4.990	98.6 %	90-110	
			CCB	ppm		-0.0212	0.05	
			CCV	ppm	4.990	98.4 %	90-110	
			CCB	ppm		-0.0158	0.05	
Magnesium	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	12.51	99.4 %	75-125	
			MSD	mg/L	12.51	103 %	75-125	
			MSRPD	mg/L	799.2	1.4%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.02	99.9 %	90-110	
			CCB	ppm		0.0009	1.0	
			CCV	ppm	25.02	99.0 %	90-110	
			CCB	ppm		0.0009	1.0	
			CCV	ppm	25.02	100 %	90-110	
			CCB	ppm		0.002	1.0	
Manganese	200.7	07/29/2009:207852 (VI 0941529-001)	MS	ug/L	799.2	99.6 %	75-125	
			MSD	ug/L	799.2	100 %	75-125	
			MSRPD	ug/L	799.2	0.5%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	0.9990	101 %	90-110	
			CCB	ppm		-0.00002	0.01	
			CCV	ppm	0.9990	101 %	90-110	
			CCB	ppm		0.000007	0.01	
			CCV	ppm	0.9990	102 %	90-110	
			CCB	ppm		0.00004	0.01	
Potassium	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	12.50	104 %	75-125	
			MSD	mg/L	12.50	101 %	75-125	
			MSRPD	mg/L	799.2	1.3%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.00	96.4 %	90-110	
			CCB	ppm		-0.19	1.0	
			CCV	ppm	25.00	96.4 %	90-110	
			CCB	ppm		-0.11	1.0	
			CCV	ppm	25.00	97.4 %	90-110	
			CCB	ppm		-0.07	1.0	
Sodium	200.7	07/29/2009:207852	MS	mg/L	12.50	103 %	75-125	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936885
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	(V1 0941529-001)	MSD	mg/L	12.50	103 %	75-125	
			MSRPD	mg/L	799.2	0.008%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.00	95.0 %	90-110	
			CCB	ppm		0.29	1.0	
			CCV	ppm	25.00	94.7 %	90-110	
			CCB	ppm		0.20	1.0	
			CCV	ppm	25.00	98.3 %	90-110	
			CCB	ppm		0.13	1.0	
Sodium			CCV	ppm	25.00	96.5 %	90-110	
			CCB	ppm		0.18	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	07/29/2009:207858	Dup	mg/L		2.3%	3.42	
	2320B	07/29/2009:209678	CCV	mg/L	234.9	97.7 %	90-110	
			CCV	mg/L	234.9	106 %	90-110	
Bicarbonate	2320B	07/29/2009:207858	Dup	mg/L		2.2%	4.78	
Carbonate	2320B	07/29/2009:207858	Dup	mg/L		0.0	10	
Hydroxide	2320B	07/29/2009:207858	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	07/29/2009:207891	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	98.4 %	90-110	
			LCS	mg/L	995.0	101 %	90-110	
			Dup	mg/L		0.3%	10.0	
	2540 C	07/30/2009:207947	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	99.8 %	90-110	
			LCS	mg/L	995.0	102 %	90-110	
			Dup	mg/L		1.1%	10.0	
Bromide	300.0	07/28/2009:207874	LCS	mg/L	5.000	101 %	90-110	
			MS	mg/L	10.00	106 %	90-121	
		(STK0936892-002)	MSD	mg/L	10.00	107 %	90-121	
			MSRPD	mg/L	10.00	0.3%	≤1.61	
	300.0	07/29/2009:207899	LCS	mg/L	5.000	97.6 %	90-110	
			MS	mg/L	100.0	105 %	90-121	
		(STK0936895-001)	MSD	mg/L	100.0	102 %	90-121	
			MSRPD	mg/L	100.0	2.6%	≤1.61	435
	300.0	07/29/2009:209626	CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	101 %	90-110	
	300.0	07/29/2009:209670	ICV	ppb	10000	99.2 %	90-110	
			ICB	ppb		0.0	30	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	99.5 %	90-110	
Chloride	300.0	07/28/2009:207874	LCS	mg/L	25.00	101 %	90-110	
			MS	mg/L	50.00	105 %	86-128	
		(STK0936892-002)	MSD	mg/L	50.00	105 %	86-128	
			MSRPD	mg/L	10.00	0.2%	≤23.0	
	300.0	07/29/2009:207899	LCS	mg/L	25.00	99.3 %	90-110	
			MS	mg/L	500.0	105 %	86-128	
		(STK0936895-001)	MSD	mg/L	500.0	103 %	86-128	
			MSRPD	mg/L	100.0	2.6%	≤23.0	
	300.0	07/29/2009:209626	CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.00	1	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936885
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Chloride	300.0	07/29/2009:209626	CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
	300.0	07/29/2009:209670	ICV	ppm	50.00	99.7 %	90-110	
			ICB	ppm		0.00	1	
			CCB	ppm		0.00	1	
Nitrate	300.0	07/28/2009:207874 (STK0936892-002)	LCS	mg/L	20.00	101 %	90-110	
			MS	mg/L	40.00	106 %	88-124	
			MSD	mg/L	40.00	106 %	88-124	
			MSRPD	mg/L	10.00	0.7%	≤29.1	
	300.0	07/29/2009:207899 (STK0936895-001)	LCS	mg/L	20.00	99.4 %	90-110	
			MS	mg/L	400.0	105 %	88-124	
			MSD	mg/L	400.0	103 %	88-124	
			MSRPD	mg/L	100.0	1.7%	≤29.1	
	300.0	07/29/2009:209626	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
	300.0	07/29/2009:209670	ICV	ppm	40.00	100 %	90-110	
			ICB	ppm		0.000	0.4	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	100 %	90-110	
Sulfate	300.0	07/28/2009:207874 (STK0936892-002)	LCS	mg/L	50.00	104 %	90-110	
			MS	mg/L	100.0	106 %	78-137	
			MSD	mg/L	100.0	106 %	78-137	
			MSRPD	mg/L	10.00	0.3%	≤12.3	
	300.0	07/29/2009:207899 (STK0936895-001)	LCS	mg/L	50.00	102 %	90-110	
			MS	mg/L	1000	106 %	78-137	
			MSD	mg/L	1000	104 %	78-137	
			MSRPD	mg/L	100.0	1.8%	≤12.3	
	300.0	07/29/2009:209626	CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
	300.0	07/29/2009:209670	ICV	ppm	100.0	101 %	90-110	
			ICB	ppm		0.00	2	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/05/2009:208155 (STK0936708-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	81.9 %	41-148	
			LCS	mg/L	10.00	84.1 %	41-148	
			MS	mg/L	0.4000	141 %	25-149	
			MSD	mg/L	0.4000	61.5 %	25-149	
			MSRPD	mg/L	0.4000	0.32	≤1	
Ammonia Nitrogen	4500NH3B	08/05/2009:208158 (SP 0907379-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	78.3 %	63-116	
			MS	mg/L	0.4000	1130 %	<¼	
			MSD	mg/L	0.4000	402 %	<¼	
			MSRPD	mg/L	0.4000	20.0%	≤80.2	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936885
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Ammonia Nitrogen	4500NH3G	08/06/2009:210025	CCB	mg/L		-0.116	0.2	
			CCV	mg/L	2.000	98.0 %	90-110	
			CCB	mg/L		-0.118	0.2	
			CCV	mg/L	2.000	97.4 %	90-110	
			CCB	mg/L		-0.111	0.2	
			CCV	mg/L	2.000	97.4 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/07/2009:210091	CCB	mg/L		-0.101	0.2	
			CCV	mg/L	2.000	101 %	90-110	
			CCB	mg/L		0.016	0.2	
			CCV	mg/L	2.000	98.9 %	90-110	
			CCB	mg/L		0.016	0.2	
			CCV	mg/L	2.000	100 %	90-110	
Definition								
ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.							
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.							
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.							
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.							
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.							
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.							
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.							
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.							
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.							
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.							
ND	: Non-detect - Result was below the DQO listed for the analyte.							
<¼	: High Sample Background - Spike concentration was less than one forth of the sample concentration.							
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.							
Explanation								
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.							

ANALYTICAL CHEMISTS
August 5, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0936885:1-6 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 3-15742

System Number :
Project Name : Pond S6/WRP-1 - GWM

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0936885-001	RMW-4	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 13:30	07/27/2009 15:30 LEB	2009-07-29 LEB
2	STK0936885-002	RMW-5	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 14:15	07/27/2009 15:32 LEB	2009-07-31 LEB
3	STK0936885-003	MBRMW-1	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 11:05	07/27/2009 13:34 CTH	2009-07-30 CTH
4	STK0936885-004	MBRMW-2	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 11:45	07/27/2009 15:34 LEB	2009-07-31 LEB
5	STK0936885-005	MBRMW-3	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 10:00	07/27/2009 13:36 CTH	2009-07-29 CTH
6	STK0936885-006	MBRMW-4	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 12:30	07/27/2009 15:36 LEB	2009-07-31 LEB

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	RMW-4	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	RMW-5	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
3	MBRMW-1	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
4	MBRMW-2	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
5	MBRMW-3	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
6	MBRMW-4	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05



Analytical Chemists
August 18, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0936892
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 14 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(8 pages)	: Results for each sample submitted.
Quality Control	(4 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MWM-33	07/27/2009	07/27/2009	STK0936892-001	LBW
MWM-34	07/27/2009	07/27/2009	STK0936892-002	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice in 2 packages. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	07/29/2009:209649 All analysis quality controls are within established criteria.
	07/30/2009:209754 All analysis quality controls are within established criteria.
	07/29/2009:207852 All preparation quality controls are within established criteria.
	07/30/2009:207901 All preparation quality controls are within established criteria.

Organic QC

524.2	07/30/2009:209724 All analysis quality controls are within established criteria, except: The following note applies to 1,2-Dichlorobenzene-d4: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936892
Customer : 3-15742

Organic QC

524.2	07/30/2009:207946 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/08/2009:210194 All analysis quality controls are within established criteria.
	08/08/2009:208306 All preparation quality controls are within established criteria.
2540 C	07/29/2009:207891 All preparation quality controls are within established criteria.
300.0	07/29/2009:209626 All analysis quality controls are within established criteria.
	07/28/2009:207874 All preparation quality controls are within established criteria.
351.1	08/11/2009:208395 All preparation quality controls are within established criteria, except: The following note applies to Nitrogen, Total Kjeldahl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500NH3B	08/07/2009:208265 All preparation quality controls are within established criteria.
4500NH3G	08/10/2009:210197 All analysis quality controls are within established criteria.
EPA351.2	08/13/2009:210391 All analysis quality controls are within established criteria.

Discussion of Analytical Results: Amended Report

STK0936892-001 MWM-33

Amended to include Sulfate.

STK0936892-002 MWM-34

Amended to include Sulfate.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-19

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-33
Project : QA/QC GWM Samples

Lab ID : STK0936892-001
Customer ID : 3-15742

Sampled On : July 27, 2009-10:10
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	97.5	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
1,2-Dichlorobenzene-d4	88.8	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-33
Project : QA/QC GWM Samples

Lab ID : STK0936892-001
Customer ID : 3-15742

Sampled On : July 27, 2009-10:10
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	97.5	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
1,2-Dichlorobenzene-d4	88.8	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:U	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:22ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-33
Project : QA/QC GWM Samples

Lab ID : STK0936892-001
Customer ID : 3-15742

Sampled On : July 27, 2009-10:10
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Lab. Blank Water

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.27			units	1				07/27/09 10:10	4500-H B		07/27/09 10:10

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
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Description : MWM-33
Project : QA/QC GWM Samples

Lab ID : STK0936892-001
Customer ID : 3-15742

Sampled On : July 27, 2009-10:10
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Lab. Blank Water

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.27			units	1				07/27/09 10:10	4500-H B		07/27/09 10:10

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
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Description : MWM-33
Project : QA/QC GWM Samples

Lab ID : STK0936892-001
Customer ID : 3-15742

Sampled On : July 27, 2009-10:10
Sampled By : Brandon Meyers
Received On : July 27, 2009-13:25
Matrix : Lab. Blank Water

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	1.2	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Calcium	36	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Magnesium	19	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Sodium	614	5		mg/L	5	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:30SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208265	08/07/09 10:00	4500NH3G	210197-FI206	08/10/09-05:34AMB
Alkalinity (as CaCO3)	940	10		mg/L	1	:	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Bicarbonate	1150	10		mg/L	1.000	:	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Bromide	0.45	0.03		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:02CHL
Chloride	170	10		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:18CHL
Nitrate Nitrogen	14.2	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:02CHL
Nitrate + Nitrite as N	14.2	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:02CHL
Nitrogen, Total Kjeldahl	1.41	0.5	0.19	mg/L	1	:Uh	351.1	208395	08/11/09 11:00	EPA351.2	210391-FI206	08/13/09-04:01AMB
Solids, Total Dissolved (TDS)	1770	20		mg/L	1	:-b	2540 C	207891	07/29/09 14:34	2540C	209680-WT219	07/30/09-08:34ACC
Sulfate	290	20		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:18CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-33
Project : QA/QC GWM Samples

Lab ID : STK0936892-001
Customer ID : 3-15742

Sampled On : July 27, 2009-10:10
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Lab. Blank Water

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	1.2	0.1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Calcium	36	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Magnesium	19	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Potassium	2	1		mg/L	1	f:	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:37SJM
Sodium	614	5		mg/L	5	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:30SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208265	08/07/09 10:00	4500NH3G	210197-FI206	08/10/09-05:34AMB
Alkalinity (as CaCO3)	940	10		mg/L	1	:	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Bicarbonate	1150	10		mg/L	1.000	:	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-09:40AMB
Bromide	0.45	0.03		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:02CHL
Chloride	170	10		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:18CHL
Nitrate Nitrogen	14.2	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:02CHL
Nitrate + Nitrite as N	14.2	0.1		mg/L	1	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:02CHL
Nitrogen, Total Kjeldahl	1.41	0.5	0.19	mg/L	1	:Uh	351.1	208395	08/11/09 11:00	EPA351.2	210391-FI206	08/13/09-04:01AMB
Solids, Total Dissolved (TDS)	1770	20		mg/L	1	:-b	2540 C	207891	07/29/09 14:34	2540C	209680-WT219	07/30/09-08:34ACC
Sulfate	290	20		mg/L	10	:	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-04:18CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-34
Project : QA/QC GWM Samples

Lab ID : STK0936892-002
Customer ID : 3-15742

Sampled On : July 27, 2009-14:40
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	96.2	70-130		%	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:59ACC
1,2-Dichlorobenzene-d4	89.5	70-130		%	1	H:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:59ACC
Bromodichloromethane	0.624	0.5	0.14	ug/L	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:59ACC
Bromoform	0.310	0.5	0.18	ug/L	1	E:Eb	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:59ACC
Chloroform	4.18	0.5	0.077	ug/L	1	:	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:59ACC
Dibromochloromethane	0.393	0.5	0.084	ug/L	1	E:E	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:59ACC
Total Trihalomethanes	5.5	0.5	0.18	ug/L	1	E:Eb	524.2	207946	07/30/09 08:25	524.2	209724-GM207	07/30/09-16:59ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
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Description : MWM-34
Project : QA/QC GWM Samples

Lab ID : STK0936892-002
Customer ID : 3-15742

Sampled On : July 27, 2009-14:40
Sampled By : Brandon Meyers
Received On : July 27, 2009-15:15
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	ND	0.1		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:40SJM
Calcium	ND	1		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:40SJM
Iron	ND	0.05		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:40SJM
Magnesium	ND	1		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:40SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:40SJM
Potassium	ND	1		mg/L	1	Uf:U	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:40SJM
Sodium	ND	1		mg/L	1	Ef:E	200.7	207852	07/29/09 05:17	200.7	209649-IT203	07/29/09-10:40SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208265	08/07/09 10:00	4500NH3G	210197-FI206	08/10/09-05:35AMB
Alkalinity (as CaCO3)	ND	10		mg/L	1	:E	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:16AMB
Bicarbonate	ND	10		mg/L	1.000	:E	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:16AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:16AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:16AMB
Bromide	ND	0.03		mg/L	1	E:E	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-03:47CHL
Chloride	ND	1		mg/L	1	E:E	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-03:47CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	E:E	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-03:47CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	E:E	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-03:47CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E:Uh	351.1	208395	08/11/09 11:00	EPA351.2	210391-FI206	08/13/09-04:02AMB
Solids, Total Dissolved (TDS)	ND	20		mg/L	0.56667	:U-b	2540 C	207891	07/29/09 14:34	2540C	209680-WT219	07/30/09-08:23ACC
Sulfate	ND	2		mg/L	1	E:E	300.0	207874	07/28/09 16:00	300.0	209626-IC204	07/29/09-03:47CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 18, 2009
 HydroFocus, Inc.

Lab ID : STK0936892
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 1,2-Dichlorobenzene-d4	524.2	07/30/2009:207946	Blank	ug/L	10.00	84.7 %	70-130	
			BS	ug/L	10.00	126 %	70-130	
			BSD	ug/L	10.00	128 %	70-130	
			BSRPD	ug/L	10.00	0.9%	≤30	
	524.2	07/30/2009:209724	CCV	ug/L	10.00	136 %	70-130	
4-Bromofluorobenzene	524.2	07/30/2009:207946	Blank	ug/L	10.00	96.0 %	70-130	
			BS	ug/L	10.00	111 %	70-130	
			BSD	ug/L	10.00	117 %	70-130	
			BSRPD	ug/L	10.00	5.7%	≤30	
4-Bromofluorobenzene (BFB)	524.2	07/30/2009:209724	CCV	ug/L	10.00	118 %	70-130	
Bromodichloromethane	524.2	07/30/2009:207946	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	125 %	63-134	
			BSD	ug/L	10.00	120 %	63-134	
			BSRPD	ug/L	10.00	3.6%	≤15.6	
	524.2	07/30/2009:209724	CCV	ug/L	10.00	127 %	70-130	
Bromoform	524.2	07/30/2009:207946	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	116 %	55-147	
			BSD	ug/L	10.00	106 %	55-147	
			BSRPD	ug/L	10.00	9.0%	≤18.7	
	524.2	07/30/2009:209724	CCV	ug/L	10.00	120 %	70-130	
Chloroform	524.2	07/30/2009:207946	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	128 %	57-155	
			BSD	ug/L	10.00	123 %	57-155	
			BSRPD	ug/L	10.00	3.6%	≤18.2	
	524.2	07/30/2009:209724	CCV	ug/L	10.00	129 %	70-130	
Dibromochloromethane	524.2	07/30/2009:207946	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	102 %	66-128	
			BSD	ug/L	10.00	103 %	66-128	
			BSRPD	ug/L	10.00	0.8%	≤22.0	
	524.2	07/30/2009:209724	CCV	ug/L	10.00	106 %	70-130	
Definition								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.								
BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.								
BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.								
ND : Non-detect - Result was below the DQO listed for the analyte.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation								
360 : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.								

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936892
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	4.000	101 %	75-125	
			MSD	mg/L	4.000	101 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.024	0.10	
			CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.034	0.10	
Calcium	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	12.51	84.7 %	75-125	
			MSD	mg/L	12.51	90.9 %	75-125	
			MSRPD	mg/L	799.2	1.1%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.02	96.2 %	90-110	
			CCB	ppm		0.007	1.0	
			CCV	ppm	25.02	97.3 %	90-110	
			CCB	ppm		0.006	1.0	
Iron	200.7	07/29/2009:207852 (VI 0941529-001)	MS	ug/L	3992	96.7 %	75-125	
			MSD	ug/L	3992	99.8 %	75-125	
			MSRPD	ug/L	799.2	3.2%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	4.990	98.6 %	90-110	
			CCB	ppm		-0.0212	0.05	
			CCV	ppm	4.990	98.4 %	90-110	
			CCB	ppm		-0.0158	0.05	
Magnesium	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	12.51	99.4 %	75-125	
			MSD	mg/L	12.51	103 %	75-125	
			MSRPD	mg/L	799.2	1.4%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.02	99.0 %	90-110	
			CCB	ppm		0.0009	1.0	
			CCV	ppm	25.02	100 %	90-110	
			CCB	ppm		0.002	1.0	
Manganese	200.7	07/29/2009:207852 (VI 0941529-001)	MS	ug/L	799.2	99.6 %	75-125	
			MSD	ug/L	799.2	100 %	75-125	
			MSRPD	ug/L	799.2	0.5%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	0.9990	101 %	90-110	
			CCB	ppm		0.000007	0.01	
			CCV	ppm	0.9990	102 %	90-110	
			CCB	ppm		0.00004	0.01	
Potassium	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	12.50	104 %	75-125	
			MSD	mg/L	12.50	101 %	75-125	
			MSRPD	mg/L	799.2	1.3%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.00	96.4 %	90-110	
			CCB	ppm		-0.11	1.0	
			CCV	ppm	25.00	97.4 %	90-110	
			CCB	ppm		-0.07	1.0	
Sodium	200.7	07/29/2009:207852 (VI 0941529-001)	MS	mg/L	12.50	103 %	75-125	
			MSD	mg/L	12.50	103 %	75-125	
			MSRPD	mg/L	799.2	0.008%	≤20.0	
	200.7	07/29/2009:209649	CCV	ppm	25.00	94.7 %	90-110	
			CCB	ppm		0.20	1.0	
			CCV	ppm	25.00	96.2 %	90-110	
			CCB	ppm		0.15	1.0	
	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.50	101 %	75-125	
			MSD	mg/L	12.50	100 %	75-125	
			MSRPD	mg/L	799.2	0.2%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.00	95.8 %	90-110	
			CCB	ppm		0.07	1.0	
			CCV	ppm	25.00	95.8 %	90-110	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936892
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	07/30/2009:209754	CCB	ppm		0.03	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/08/2009:208306	Dup	mg/L		0.02%	3.42	
	2320B	08/08/2009:210194	CCV	mg/L	234.9	93.8 %	90-110	
			CCV	mg/L	234.9	94.4 %	90-110	
			CCV	mg/L	234.9	101 %	90-110	
Bicarbonate	2320B	08/08/2009:208306	Dup	mg/L		0.0%	4.78	
Carbonate	2320B	08/08/2009:208306	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/08/2009:208306	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	07/29/2009:207891	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	98.4 %	90-110	
			LCS	mg/L	995.0	101 %	90-110	
			Dup	mg/L		0.3%	10.0	
Bromide	300.0	07/28/2009:207874 (STK0936892-002)	LCS	mg/L	5.000	101 %	90-110	
			MS	mg/L	10.00	106 %	90-121	
			MSD	mg/L	10.00	107 %	90-121	
			MSRPD	mg/L	10.00	0.3%	≤1.61	
	300.0	07/29/2009:209626	CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
Chloride	300.0	07/28/2009:207874 (STK0936892-002)	LCS	mg/L	25.00	101 %	90-110	
			MS	mg/L	50.00	105 %	86-128	
			MSD	mg/L	50.00	105 %	86-128	
			MSRPD	mg/L	10.00	0.2%	≤23.0	
	300.0	07/29/2009:209626	CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
Nitrate	300.0	07/28/2009:207874 (STK0936892-002)	LCS	mg/L	20.00	101 %	90-110	
			MS	mg/L	40.00	106 %	88-124	
			MSD	mg/L	40.00	106 %	88-124	
			MSRPD	mg/L	10.00	0.7%	≤29.1	
	300.0	07/29/2009:209626	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
Sulfate	300.0	07/28/2009:207874 (STK0936892-002)	LCS	mg/L	50.00	104 %	90-110	
			MS	mg/L	100.0	106 %	78-137	
			MSD	mg/L	100.0	106 %	78-137	
			MSRPD	mg/L	10.00	0.3%	≤12.3	
	300.0	07/29/2009:209626	CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/11/2009:208395 (SP 0907534-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	72.4 %	41-148	
			LCS	mg/L	10.00	75.9 %	41-148	
			MS	mg/L	0.4000	155 %	25-149	
			MSD	mg/L	0.4000	64.5 %	25-149	
			MSRPD	mg/L	0.4000	0.36	≤1	
Ammonia Nitrogen	4500NH3B	08/07/2009:208265	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	70.2 %	63-116	
			MS	mg/L	0.4000	91.0 %	17-127	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936892
 Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Ammonia Nitrogen	4500NH3B	(SP 0907448-001)	MSD	mg/L	0.4000	94.5 %	17-127	
			MSRPD	mg/L	0.4000	0.014	≤0.2	
	4500NH3G	08/10/2009:210197	CCB	mg/L		-0.022	0.2	
			CCV	mg/L	2.000	106 %	90-110	
			CCB	mg/L		0.022	0.2	
Nitrogen, Total Kjeldahl			CCV	mg/L	2.000	107 %	90-110	
	EPA351.2	08/13/2009:210391	CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	92.0 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	95.3 %	90-110	
Definition								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.								
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.								
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.								
ND : Non-detect - Result was below the DQO listed for the analyte.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation								
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

ANALYTICAL CHEMISTS

August 5, 2009

HydroFocus, Inc.

Teresa Deverel

P.O. Box 2401

Davis, CA 95617

STK0936892:1-2 COLIFORM BACTERIA ANALYSIS

Customer ID : 3-15742

System Number :

Project Name : QA/QC GWM Samples

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0936892-001	MWM-33	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 10:10	07/27/2009 13:32 CTH	2009-07-30 CTH
2	STK0936892-002	MWM-34	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/27/2009 14:40	07/27/2009 15:38 LEB	2009-07-31 LEB

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-33	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWM-34	---	---	SM 9221B	MPN/100ml	4	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey

Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05

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Bacteriological Results Page: 1

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Analytical Chemists
August 18, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0936921
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 34 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (28 pages) : Results for each sample submitted.
Quality Control (4 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MWM-21	07/28/2009	07/28/2009	STK0936921-017	MW
MWM-22	07/28/2009	07/28/2009	STK0936921-018	MW
MWM-23	07/28/2009	07/28/2009	STK0936921-019	MW
MWM-24	07/28/2009	07/28/2009	STK0936921-020	MW
MWM-25	07/28/2009	07/28/2009	STK0936921-021	MW
MWM-26	07/28/2009	07/28/2009	STK0936921-022	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice in 7 packages. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	07/30/2009:209754 All analysis quality controls are within established criteria.
	07/30/2009:207901 All preparation quality controls are within established criteria.

Organic QC

524.2	08/04/2009:209971 All analysis quality controls are within established criteria.
	08/04/2009:208134 All preparation quality controls are within established criteria.

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936921
Customer : 3-15742

Inorganic - Wet Chemistry QC

2320B	07/30/2009:209833 All analysis quality controls are within established criteria.
	07/30/2009:207903 All preparation quality controls are within established criteria.
2540 C	07/30/2009:207947 All preparation quality controls are within established criteria.
300.0	07/29/2009:209670 All analysis quality controls are within established criteria.
	07/30/2009:209670 All analysis quality controls are within established criteria.
	07/29/2009:207899 All preparation quality controls are within established criteria.
351.1	08/10/2009:208335 All preparation quality controls are within established criteria, except: The following note applies to Nitrogen, Total Kjeldahl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500NH3B	08/11/2009:208394 All preparation quality controls are within established criteria.
4500NH3G	08/13/2009:210395 All analysis quality controls are within established criteria.
EPA351.2	08/12/2009:210337 All analysis quality controls are within established criteria.

Discussion of Analytical Results: Amended Report

STK0936921-017 MWM-21	Amended to include Sulfate.
STK0936921-018 MWM-22	Amended to include Sulfate.
STK0936921-019 MWM-23	Amended to include Sulfate.
STK0936921-020 MWM-24	Amended to include Sulfate.
STK0936921-021 MWM-25	Amended to include Sulfate.
STK0936921-022 MWM-26	Amended to include Sulfate.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-19

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-21
Project : Mossdale GW Monitoring

Lab ID : STK0936921-017
Customer ID : 3-15742

Sampled On : July 28, 2009-13:50
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	93.8	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:11ACC
1,2-Dichlorobenzene-d4	80.5	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:11ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:11ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:11ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:11ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:11ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:11ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-21
Project : Mossdale GW Monitoring

Lab ID : STK0936921-017
Customer ID : 3-15742

Sampled On : July 28, 2009-13:50
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.20			units	1				07/28/09 13:50	4500-H B		07/28/09 13:50

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-21
Project : Mossdale GW Monitoring

Lab ID : STK0936921-017
Customer ID : 3-15742

Sampled On : July 28, 2009-13:50
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	1.2	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:48SJM
Calcium	135	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:48SJM
Iron	0.07	0.05		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:48SJM
Magnesium	68	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:48SJM
Manganese	1.47	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:48SJM
Potassium	3	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-08:48SJM
Sodium	587	2		mg/L	2	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-11:55SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:15AMB
Alkalinity (as CaCO3)	650	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:24AMB
Bicarbonate	800	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:24AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:24AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:24AMB
Bromide	2.31	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/29/09-23:53CHL
Chloride	500	10		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-00:09CHL
Nitrate Nitrogen	10.9	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/29/09-23:53CHL
Nitrate + Nitrite as N	10.9	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/29/09-23:53CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:04ACC
Solids, Total Dissolved (TDS)	2140	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:13ACC
Sulfate	460	20		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-00:09CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-22
Project : Mossdale GW Monitoring

Lab ID : STK0936921-018
Customer ID : 3-15742

Sampled On : July 28, 2009-12:00
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	90.1	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:47ACC
1,2-Dichlorobenzene-d4	80.5	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:47ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:47ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:47ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:47ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:47ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-13:47ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-22
Project : Mossdale GW Monitoring

Lab ID : STK0936921-018
Customer ID : 3-15742

Sampled On : July 28, 2009-12:00
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.15			units	1				07/28/09 12:00	4500-H B		07/28/09 12:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-22
Project : Mossdale GW Monitoring

Lab ID : STK0936921-018
Customer ID : 3-15742

Sampled On : July 28, 2009-12:00
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.4	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:06SJM
Calcium	116	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:06SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:06SJM
Magnesium	35	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:06SJM
Manganese	0.67	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:06SJM
Potassium	2	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:06SJM
Sodium	136	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:06SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:16AMB
Alkalinity (as CaCO3)	320	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:39AMB
Bicarbonate	400	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:39AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:39AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:39AMB
Bromide	0.44	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-00:54CHL
Chloride	174	5		mg/L	5	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:10CHL
Nitrate Nitrogen	1.0	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-00:54CHL
Nitrate + Nitrite as N	1.0	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-00:54CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:05ACC
Solids, Total Dissolved (TDS)	840	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:00ACC
Sulfate	153	2		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-00:54CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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CA ELAP Certification No. 2670

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Mobile: 559-737-2399

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-23
Project : Mossdale GW Monitoring

Lab ID : STK0936921-019
Customer ID : 3-15742

Sampled On : July 28, 2009-09:35
Sampled By : Brandon Meyers
Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	91.9	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
1,2-Dichlorobenzene-d4	82.0	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-23
Project : Mossdale GW Monitoring

Lab ID : STK0936921-019
Customer ID : 3-15742

Sampled On : July 28, 2009-09:35
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	91.9	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
1,2-Dichlorobenzene-d4	82.0	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-14:24ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-23
Project : Mossdale GW Monitoring

Lab ID : STK0936921-019
Customer ID : 3-15742

Sampled On : July 28, 2009-09:35
Sampled By : Brandon Meyers
Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.60			units	1				07/28/09 09:35	4500-H B		07/28/09 09:35

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Description : MWM-23
Project : Mossdale GW Monitoring

Lab ID : STK0936921-019
Customer ID : 3-15742

Sampled On : July 28, 2009-09:35
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.60			units	1				07/28/09 09:35	4500-H B		07/28/09 09:35

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Lab ID : STK0936921-019
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Sampled On : July 28, 2009-09:35
Sampled By : Brandon Meyers
Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.7	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Calcium	44	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Magnesium	21	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Manganese	0.34	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Potassium	2	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Sodium	476	2		mg/L	2	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-11:59SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:17AMB
Alkalinity (as CaCO3)	370	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Bicarbonate	450	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Bromide	1.73	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:25CHL
Chloride	360	10		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:40CHL
Nitrate Nitrogen	2.2	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:25CHL
Nitrate + Nitrite as N	2.2	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:25CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:06ACC
Solids, Total Dissolved (TDS)	1450	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:13ACC
Sulfate	350	20		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:40CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Lab ID : STK0936921-019
Customer ID : 3-15742

Sampled On : July 28, 2009-09:35
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.7	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Calcium	44	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Magnesium	21	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Manganese	0.34	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Potassium	2	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:09SJM
Sodium	476	2		mg/L	2	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-11:59SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:17AMB
Alkalinity (as CaCO3)	370	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Bicarbonate	450	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-12:49AMB
Bromide	1.73	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:25CHL
Chloride	360	10		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:40CHL
Nitrate Nitrogen	2.2	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:25CHL
Nitrate + Nitrite as N	2.2	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:25CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:06ACC
Solids, Total Dissolved (TDS)	1450	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:13ACC
Sulfate	350	20		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:40CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-24
Project : Mossdale GW Monitoring

Lab ID : STK0936921-020
Customer ID : 3-15742

Sampled On : July 28, 2009-11:20
Sampled By : Brandon Meyers
Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	91.5	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
1,2-Dichlorobenzene-d4	79.2	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Lab ID : STK0936921-020
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Sampled On : July 28, 2009-11:20
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	91.5	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
1,2-Dichlorobenzene-d4	79.2	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:00ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.44			units	1				07/28/09 11:20	4500-H B		07/28/09 11:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Sampled On : July 28, 2009-11:20
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.44			units	1				07/28/09 11:20	4500-H B		07/28/09 11:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Calcium	56	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Magnesium	23	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Potassium	ND	1		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Sodium	63	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:18AMB
Alkalinity (as CaCO3)	220	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Bicarbonate	270	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Bromide	0.17	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Chloride	74	1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Nitrate Nitrogen	0.4	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Nitrate + Nitrite as N	0.4	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:07ACC
Solids, Total Dissolved (TDS)	450	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:14ACC
Sulfate	53	2		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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August 18, 2009

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Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Calcium	56	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Magnesium	23	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Potassium	ND	1		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Sodium	63	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:14SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:18AMB
Alkalinity (as CaCO3)	220	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Bicarbonate	270	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:00AMB
Bromide	0.17	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Chloride	74	1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Nitrate Nitrogen	0.4	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Nitrate + Nitrite as N	0.4	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:07ACC
Solids, Total Dissolved (TDS)	450	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:14ACC
Sulfate	53	2		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-01:55CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-25
Project : Mossdale GW Monitoring

Lab ID : STK0936921-021
Customer ID : 3-15742

Sampled On : July 28, 2009-10:30
Sampled By : Brandon Meyers
Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	90.4	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
1,2-Dichlorobenzene-d4	82.6	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MWM-25
Project : Mossdale GW Monitoring

Lab ID : STK0936921-021
Customer ID : 3-15742

Sampled On : July 28, 2009-10:30
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	90.4	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
1,2-Dichlorobenzene-d4	82.6	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-15:37ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MWM-25
Project : Mossdale GW Monitoring

Lab ID : STK0936921-021
Customer ID : 3-15742

Sampled On : July 28, 2009-10:30
Sampled By : Brandon Meyers
Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.11			units	1				07/28/09 10:30	4500-H B		07/28/09 10:30

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MWM-25
Project : Mossdale GW Monitoring

Lab ID : STK0936921-021
Customer ID : 3-15742

Sampled On : July 28, 2009-10:30
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.11			units	1				07/28/09 10:30	4500-H B		07/28/09 10:30

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MWM-25
Project : Mossdale GW Monitoring

Lab ID : STK0936921-021
Customer ID : 3-15742

Sampled On : July 28, 2009-10:30
Sampled By : Brandon Meyers
Received On : July 28, 2009-12:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.6	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Calcium	71	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Iron	0.06	0.05		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Magnesium	54	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Manganese	0.68	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Potassium	1	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Sodium	244	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:21AMB
Alkalinity (as CaCO3)	480	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Bicarbonate	580	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Bromide	0.43	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL
Chloride	192	5		mg/L	5	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:26CHL
Nitrate Nitrogen	0.6	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL
Nitrate + Nitrite as N	0.6	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U-b:U	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:08ACC
Solids, Total Dissolved (TDS)	1020	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:14ACC
Sulfate	157	2		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-25
Project : Mossdale GW Monitoring

Lab ID : STK0936921-021
Customer ID : 3-15742

Sampled On : July 28, 2009-10:30
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.6	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Calcium	71	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Iron	0.06	0.05		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Magnesium	54	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Manganese	0.68	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Potassium	1	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Sodium	244	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:17SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:21AMB
Alkalinity (as CaCO3)	480	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Bicarbonate	580	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:10AMB
Bromide	0.43	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL
Chloride	192	5		mg/L	5	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:26CHL
Nitrate Nitrogen	0.6	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL
Nitrate + Nitrite as N	0.6	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:08ACC
Solids, Total Dissolved (TDS)	1020	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:14ACC
Sulfate	157	2		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:11CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-26
Project : Mossdale GW Monitoring

Lab ID : STK0936921-022
Customer ID : 3-15742

Sampled On : July 28, 2009-13:05
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	93.7	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:13ACC
1,2-Dichlorobenzene-d4	81.4	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:13ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:13ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:13ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:13ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:13ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:13ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MWM-26
Project : Mossdale GW Monitoring

Lab ID : STK0936921-022
Customer ID : 3-15742

Sampled On : July 28, 2009-13:05
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.34			units	1				07/28/09 13:05	4500-H B		07/28/09 13:05

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

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Description : MWM-26
Project : Mossdale GW Monitoring

Lab ID : STK0936921-022
Customer ID : 3-15742

Sampled On : July 28, 2009-13:05
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.9	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:22SJM
Calcium	43	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:22SJM
Iron	0.06	0.05		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:22SJM
Magnesium	64	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:22SJM
Manganese	0.24	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:22SJM
Potassium	2	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:22SJM
Sodium	599	2		mg/L	2	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-12:03SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:22AMB
Alkalinity (as CaCO3)	520	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:23AMB
Bicarbonate	630	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:23AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:23AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:23AMB
Bromide	3.27	0.03		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:41CHL
Chloride	470	10		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:56CHL
Nitrate Nitrogen	0.4	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:41CHL
Nitrate + Nitrite as N	0.4	0.1		mg/L	1	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:41CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E-b:Ul	351.1	208335	08/10/09 10:00	EPA351.2	210337-FI206	08/12/09-10:09ACC
Solids, Total Dissolved (TDS)	1880	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:15ACC
Sulfate	460	20		mg/L	10	:	300.0	207899	07/29/09 15:30	300.0	209670-IC204	07/30/09-02:56CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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Analytical Chemists

August 18, 2009
 HydroFocus, Inc.

Lab ID : STK0936921
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/04/2009:208134	Blank	ug/L	10.00	81.4 %	70-130	
			BS	ug/L	10.00	112 %	70-130	
			BSD	ug/L	10.00	115 %	70-130	
			BSRPD	ug/L	10.00	2.9%	≤30	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	113 %	70-130	
4-Bromofluorobenzene	524.2	08/04/2009:208134	Blank	ug/L	10.00	85.9 %	70-130	
			BS	ug/L	10.00	99.9 %	70-130	
			BSD	ug/L	10.00	106 %	70-130	
			BSRPD	ug/L	10.00	6.1%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/04/2009:209971	CCV	ug/L	10.00	100 %	70-130	
Bromodichloromethane	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	103 %	63-134	
			BSD	ug/L	10.00	105 %	63-134	
			BSRPD	ug/L	10.00	2.0%	≤15.6	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	104 %	70-130	
Bromoform	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	88.9 %	55-147	
			BSD	ug/L	10.00	91.2 %	55-147	
			BSRPD	ug/L	10.00	2.4%	≤18.7	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	93.0 %	70-130	
Chloroform	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	109 %	57-155	
			BSD	ug/L	10.00	106 %	57-155	
			BSRPD	ug/L	10.00	2.7%	≤18.2	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	111 %	70-130	
Dibromochloromethane	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	90.0 %	66-128	
			BSD	ug/L	10.00	90.6 %	66-128	
			BSRPD	ug/L	10.00	0.6%	≤22.0	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	94.3 %	70-130	
Definition								
CCV			: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.					
Blank			: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.					
BS			: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSD			: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSRPD			: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.					
ND			: Non-detect - Result was below the DQO listed for the analyte.					
DQO			: Data Quality Objective - This is the criteria against which the quality control data is compared.					

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936921
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	4.000	102 %	75-125	
			MSD	mg/L	4.000	101 %	75-125	
			MSRPD	mg/L	799.2	0.9%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.025	0.10	
			CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.023	0.10	
			CCV	ppm	5.000	104 %	90-110	
			CCB	ppm		0.040	0.10	
Calcium	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.51	82.6 %	75-125	
			MSD	mg/L	12.51	81.7 %	75-125	
			MSRPD	mg/L	799.2	0.2%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.02	97.0 %	90-110	
			CCB	ppm		0.002	1.0	
			CCV	ppm	25.02	98.6 %	90-110	
			CCB	ppm		0.0005	1.0	
			CCV	ppm	25.02	105 %	90-110	
			CCB	ppm		0.005	1.0	
Iron	200.7	07/30/2009:207901 (VI 0941529-001)	MS	ug/L	3992	97.6 %	75-125	
			MSD	ug/L	3992	97.4 %	75-125	
			MSRPD	ug/L	799.2	0.2%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	4.990	96.5 %	90-110	
			CCB	ppm		-0.0068	0.05	
			CCV	ppm	4.990	98.1 %	90-110	
			CCB	ppm		0.0032	0.05	
			CCV	ppm	4.990	102 %	90-110	
			CCB	ppm		0.0375	0.05	
Magnesium	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.51	99.1 %	75-125	
			MSD	mg/L	12.51	98.2 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.02	99.3 %	90-110	
			CCB	ppm		0.0008	1.0	
			CCV	ppm	25.02	99.1 %	90-110	
			CCB	ppm		0.0009	1.0	
			CCV	ppm	25.02	101 %	90-110	
			CCB	ppm		0.0007	1.0	
Manganese	200.7	07/30/2009:207901 (VI 0941529-001)	MS	ug/L	799.2	98.9 %	75-125	
			MSD	ug/L	799.2	97.4 %	75-125	
			MSRPD	ug/L	799.2	1.6%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	0.9990	98.3 %	90-110	
			CCB	ppm		0.00002	0.01	
			CCV	ppm	0.9990	99.5 %	90-110	
			CCB	ppm		0.00004	0.01	
			CCV	ppm	0.9990	103 %	90-110	
			CCB	ppm		0.0001	0.01	
Potassium	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.50	106 %	75-125	
			MSD	mg/L	12.50	105 %	75-125	
			MSRPD	mg/L	799.2	0.9%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.00	99.6 %	90-110	
			CCB	ppm		-0.04	1.0	
			CCV	ppm	25.00	99.8 %	90-110	
			CCB	ppm		0.006	1.0	
			CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		0.17	1.0	
Sodium	200.7	07/30/2009:207901	MS	mg/L	12.50	101 %	75-125	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936921
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	(VI 0941529-001)	MSD	mg/L	12.50	100 %	75-125	
			MSRPD	mg/L	799.2	0.2%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.00	95.8 %	90-110	
			CCB	ppm		0.03	1.0	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		-0.13	1.0	
			CCV	ppm	25.00	96.3 %	90-110	
			CCB	ppm		0.01	1.0	
			CCV	ppm	25.00	97.2 %	90-110	
			CCB	ppm		0.10	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	07/30/2009:207903	Dup	mg/L		0.1%	3.42	
	2320B	07/30/2009:209833	CCV	mg/L	234.9	95.8 %	90-110	
			CCV	mg/L	234.9	102 %	90-110	
Bicarbonate	2320B	07/30/2009:207903	Dup	mg/L		0.2%	4.78	
Carbonate	2320B	07/30/2009:207903	Dup	mg/L		0.0	10	
Hydroxide	2320B	07/30/2009:207903	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	07/30/2009:207947	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	99.8 %	90-110	
			LCS	mg/L	995.0	102 %	90-110	
			Dup	mg/L		1.1%	10.0	
Bromide	300.0	07/29/2009:207899 (VI 0941730-001)	LCS	mg/L	5.000	99.2 %	90-110	
			MS	mg/L	100.0	105 %	90-121	
			MSD	mg/L	100.0	103 %	90-121	
			MSRPD	mg/L	100.0	1.4%	≤1.61	
	300.0	07/29/2009:209670	CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
Chloride	300.0	07/29/2009:207899 (VI 0941730-001)	LCS	mg/L	25.00	100 %	90-110	
			MS	mg/L	500.0	104 %	86-128	
			MSD	mg/L	500.0	102 %	86-128	
			MSRPD	mg/L	100.0	1.4%	≤23.0	
	300.0	07/30/2009:209670	CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
Nitrate	300.0	07/29/2009:207899 (VI 0941730-001)	LCS	mg/L	20.00	99.2 %	90-110	
			MS	mg/L	400.0	104 %	88-124	
			MSD	mg/L	400.0	103 %	88-124	
			MSRPD	mg/L	100.0	1.6%	≤29.1	
	300.0	07/29/2009:209670	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
Sulfate	300.0	07/29/2009:207899 (VI 0941730-001)	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	101 %	90-110	
			LCS	mg/L	50.00	103 %	90-110	
			MS	mg/L	1000	105 %	78-137	
			MSD	mg/L	1000	104 %	78-137	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0936921
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Sulfate	300.0	07/29/2009:207899	MSRPD	mg/L	100.0	1.6%	≤12.3	
	300.0	07/30/2009:209670	CCB	ppm		0.00	2	
			CCV	ppm	50.00	104 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	104 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/10/2009:208335	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	43.0 %	41-148	
			LCS	mg/L	10.00	69.5 %	41-148	
		(CH 0975218-001)	MS	mg/L	0.4000	-33.2 %	25-149	435
			MSD	mg/L	0.4000	-5.7 %	25-149	435
			MSRPD	mg/L	0.4000	0.11	≤1	
Ammonia Nitrogen	4500NH3B	08/11/2009:208394	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	73.5 %	63-116	
			MS	mg/L	0.4000	106 %	17-127	
		(SP 0907520-001)	MSD	mg/L	0.4000	61.2 %	17-127	
			MSRPD	mg/L	0.4000	0.18	≤0.2	
	4500NH3G	08/13/2009:210395	CCB	mg/L		0.034	0.2	
			CCV	mg/L	2.000	94.6 %	90-110	
			CCB	mg/L		0.040	0.2	
			CCV	mg/L	2.000	94.0 %	90-110	
			CCB	mg/L		0.058	0.2	
			CCV	mg/L	2.000	95.8 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/12/2009:210337	CCB	mg/L		-0.118	0.2	
			CCV	mg/L	2.000	98.7 %	90-110	
			CCB	mg/L		-0.137	0.2	
			CCV	mg/L	2.000	105 %	90-110	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

ANALYTICAL CHEMISTS
August 5, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0936921:17-22 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 3-15742

System Number :
Project Name : Mossdale GW Monitoring

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0936921-017	MWM-21	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 13:50	07/28/2009 15:20 MO	2009-07-30 MO
2	STK0936921-018	MWM-22	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 12:00	07/28/2009 15:21 MO	2009-07-31 MO
3	STK0936921-019	MWM-23	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 09:35	07/28/2009 13:09 CTH	2009-07-31 CTH
4	STK0936921-020	MWM-24	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 11:20	07/28/2009 13:11 CTH	2009-07-30 CTH
5	STK0936921-021	MWM-25	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 10:30	07/28/2009 13:13 CTH	2009-07-30 CTH
6	STK0936921-022	MWM-26	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 13:05	07/28/2009 15:22 MO	2009-07-30 MO

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-21	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWM-22	---	---	SM 9221B	MPN/100ml	4	<2	N/R			
3	MWM-23	---	---	SM 9221B	MPN/100ml	2	<2	N/R			
4	MWM-24	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
5	MWM-25	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
6	MWM-26	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05



Analytical Chemists
August 19, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0936936
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 12 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (6 pages) : Results for each sample submitted.
Quality Control (4 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MWM-35	07/28/2009	07/28/2009	STK0936936-001	LBW
MWM-36	07/28/2009	07/28/2009	STK0936936-002	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	07/30/2009:209754 All analysis quality controls are within established criteria.
	07/30/2009:207901 All preparation quality controls are within established criteria.

Organic QC

524.2	08/04/2009:209971 All analysis quality controls are within established criteria.
	08/04/2009:208134 All preparation quality controls are within established criteria.

August 19, 2009
HydroFocus, Inc.

Lab ID : STK0936936
Customer : 3-15742

Inorganic - Wet Chemistry QC

2320B	07/30/2009:209833 All analysis quality controls are within established criteria.
	07/30/2009:207903 All preparation quality controls are within established criteria.
2540 C	07/30/2009:207947 All preparation quality controls are within established criteria.
300.0	07/30/2009:209670 All analysis quality controls are within established criteria.
	07/29/2009:207899 All preparation quality controls are within established criteria.
351.1	08/11/2009:208395 All preparation quality controls are within established criteria, except: The following note applies to Nitrogen, Total Kjeldahl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500NH3B	08/06/2009:208205 All preparation quality controls are within established criteria.
4500NH3G	08/07/2009:210096 All analysis quality controls are within established criteria.
EPA351.2	08/13/2009:210391 All analysis quality controls are within established criteria.

Discussion of Analytical Results: Amended Report

STK0936936-001 MWM-35

Amended to include Sulfate.

STK0936936-002 MWM-36

Amended to include Sulfate.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-19

ANALYTICAL CHEMISTS
August 19, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-35
Project : QA/QC GWM Samples

Lab ID : STK0936936-001
Customer ID : 3-15742

Sampled On : July 28, 2009-14:00
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	94.1	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:50ACC
1,2-Dichlorobenzene-d4	81.5	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:50ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:50ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:50ACC
Chloroform	ND	0.5	0.077	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:50ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:50ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-16:50ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 19, 2009

HydroFocus, Inc.

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Lab ID : STK0936936-001
Customer ID : 3-15742

Sampled On : July 28, 2009-14:00
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.20			units	1				07/28/09 14:00	4500-H B		07/28/09 14:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 19, 2009

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Project : QA/QC GWM Samples

Lab ID : STK0936936-001
Customer ID : 3-15742

Sampled On : July 28, 2009-14:00
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	1.2	0.1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:26SJM
Calcium	137	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:26SJM
Iron	0.09	0.05		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:26SJM
Magnesium	68	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:26SJM
Manganese	1.46	0.01		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:26SJM
Potassium	3	1		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:26SJM
Sodium	596	2		mg/L	2	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-12:07SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	E- b:U- b	4500NH3B	208205	08/06/09 09:30	4500NH3G	210096-FI206	08/07/09-05:13AMB
Alkalinity (as CaCO3)	650	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:57AMB
Bicarbonate	790	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:57AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:57AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-13:57AMB
Bromide	2.22	0.03		mg/L	1	:	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-04:58CHL
Chloride	520	10		mg/L	10	:	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-05:14CHL
Nitrate Nitrogen	11.0	0.1		mg/L	1	:	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-04:58CHL
Nitrate + Nitrite as N	11.0	0.1		mg/L	1	:	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-04:58CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E:Uh	351.1	208395	08/11/09 11:00	EPA351.2	210391-FI206	08/13/09-04:17AMB
Solids, Total Dissolved (TDS)	2130	20		mg/L	1	:b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:15ACC
Sulfate	470	20		mg/L	10	:	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-05:14CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 19, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-36
Project : QA/QC GWM Samples

Lab ID : STK0936936-002
Customer ID : 3-15742

Sampled On : July 28, 2009-14:15
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	92.3	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-17:26ACC
1,2-Dichlorobenzene-d4	85.7	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-17:26ACC
Bromodichloromethane	0.509	0.5	0.14	ug/L	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-17:26ACC
Bromoform	0.281	0.5	0.18	ug/L	1	E:Eb	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-17:26ACC
Chloroform	2.83	0.5	0.077	ug/L	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-17:26ACC
Dibromochloromethane	0.302	0.5	0.084	ug/L	1	E:Eb	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-17:26ACC
Total Trihalomethanes	3.9	0.5	0.18	ug/L	1	E:Eb	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-17:26ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 19, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
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Description : MWM-36
Project : QA/QC GWM Samples

Lab ID : STK0936936-002
Customer ID : 3-15742

Sampled On : July 28, 2009-14:15
Sampled By : Brandon Meyers
Received On : July 28, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	ND	0.1		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:31SJM
Calcium	ND	1		mg/L	1	Uf:U	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:31SJM
Iron	0.07	0.05		mg/L	1	f:	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:31SJM
Magnesium	ND	1		mg/L	1	Uf:U	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:31SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:31SJM
Potassium	ND	1		mg/L	1	Ef:E	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:31SJM
Sodium	ND	1		mg/L	1	Uf:U	200.7	207901	07/30/09 05:17	200.7	209754-IT203	07/30/09-09:31SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U- b:U- b	4500NH3B	208205	08/06/09 09:30	4500NH3G	210096-FI206	08/07/09-05:14AMB
Alkalinity (as CaCO3)	10	10		mg/L	1	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-14:11AMB
Bicarbonate	10	10		mg/L	1.000	:	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-14:11AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-14:11AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	207903	07/30/09 06:27	2320B	209833-MT201	07/30/09-14:11AMB
Bromide	ND	0.03		mg/L	1	E:E	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-05:29CHL
Chloride	ND	1		mg/L	1	E:E	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-05:29CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-05:29CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-05:29CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U:Uh	351.1	208395	08/11/09 11:00	EPA351.2	210391-FI206	08/13/09-04:07AMB
Solids, Total Dissolved (TDS)	ND	20		mg/L	0.56667	:E-b	2540 C	207947	07/30/09 14:27	2540C	209757-WT219	07/31/09-09:16ACC
Sulfate	ND	2		mg/L	1	E:E	300.0	207899	07/29/09 16:15	300.0	209670-IC204	07/30/09-05:29CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 19, 2009
 HydroFocus, Inc.

Lab ID : STK0936936
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/04/2009:208134	Blank	ug/L	10.00	81.4 %	70-130	
			BS	ug/L	10.00	112 %	70-130	
			BSD	ug/L	10.00	115 %	70-130	
			BSRPD	ug/L	10.00	2.9%	≤30	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	113 %	70-130	
4-Bromofluorobenzene	524.2	08/04/2009:208134	Blank	ug/L	10.00	85.9 %	70-130	
			BS	ug/L	10.00	99.9 %	70-130	
			BSD	ug/L	10.00	106 %	70-130	
			BSRPD	ug/L	10.00	6.1%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/04/2009:209971	CCV	ug/L	10.00	100 %	70-130	
Bromodichloromethane	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	103 %	63-134	
			BSD	ug/L	10.00	105 %	63-134	
			BSRPD	ug/L	10.00	2.0%	≤15.6	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	104 %	70-130	
Bromoform	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	88.9 %	55-147	
			BSD	ug/L	10.00	91.2 %	55-147	
			BSRPD	ug/L	10.00	2.4%	≤18.7	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	93.0 %	70-130	
Chloroform	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	109 %	57-155	
			BSD	ug/L	10.00	106 %	57-155	
			BSRPD	ug/L	10.00	2.7%	≤18.2	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	111 %	70-130	
Dibromochloromethane	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	90.0 %	66-128	
			BSD	ug/L	10.00	90.6 %	66-128	
			BSRPD	ug/L	10.00	0.6%	≤22.0	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	94.3 %	70-130	
Definition								
CCV			: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.					
Blank			: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.					
BS			: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSD			: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSRPD			: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.					
ND			: Non-detect - Result was below the DQO listed for the analyte.					
DQO			: Data Quality Objective - This is the criteria against which the quality control data is compared.					

August 19, 2009
HydroFocus, Inc.

Lab ID : STK0936936
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Boron	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	4.000	102 %	75-125	
			MSD	mg/L	4.000	101 %	75-125	
			MSRPD	mg/L	799.2	0.9%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.023	0.10	
			CCV	ppm	5.000	104 %	90-110	
			CCB	ppm		0.040	0.10	
Calcium	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.51	82.6 %	75-125	
			MSD	mg/L	12.51	81.7 %	75-125	
			MSRPD	mg/L	799.2	0.2%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.02	98.6 %	90-110	
			CCB	ppm		0.0005	1.0	
			CCV	ppm	25.02	105 %	90-110	
			CCB	ppm		0.005	1.0	
Iron	200.7	07/30/2009:207901 (VI 0941529-001)	MS	ug/L	3992	97.6 %	75-125	
			MSD	ug/L	3992	97.4 %	75-125	
			MSRPD	ug/L	799.2	0.2%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	4.990	98.1 %	90-110	
			CCB	ppm		0.0032	0.05	
			CCV	ppm	4.990	102 %	90-110	
			CCB	ppm		0.0375	0.05	
Magnesium	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.51	99.1 %	75-125	
			MSD	mg/L	12.51	98.2 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.02	99.1 %	90-110	
			CCB	ppm		0.0009	1.0	
			CCV	ppm	25.02	101 %	90-110	
			CCB	ppm		0.0007	1.0	
Manganese	200.7	07/30/2009:207901 (VI 0941529-001)	MS	ug/L	799.2	98.9 %	75-125	
			MSD	ug/L	799.2	97.4 %	75-125	
			MSRPD	ug/L	799.2	1.6%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	0.9990	99.5 %	90-110	
			CCB	ppm		0.00004	0.01	
			CCV	ppm	0.9990	103 %	90-110	
			CCB	ppm		0.0001	0.01	
Potassium	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.50	106 %	75-125	
			MSD	mg/L	12.50	105 %	75-125	
			MSRPD	mg/L	799.2	0.9%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.00	99.8 %	90-110	
			CCB	ppm		0.006	1.0	
			CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		0.17	1.0	
Sodium	200.7	07/30/2009:207901 (VI 0941529-001)	MS	mg/L	12.50	101 %	75-125	
			MSD	mg/L	12.50	100 %	75-125	
			MSRPD	mg/L	799.2	0.2%	≤20.0	
	200.7	07/30/2009:209754	CCV	ppm	25.00	95.8 %	90-110	
			CCB	ppm		0.03	1.0	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		-0.13	1.0	
	200.7	07/30/2009:209754	CCV	ppm	25.00	96.3 %	90-110	
			CCB	ppm		0.01	1.0	
			CCV	ppm	25.00	97.2 %	90-110	
			CCB	ppm		0.10	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	07/30/2009:207903	Dup	mg/L		0.1%	3.42	

August 19, 2009
HydroFocus, Inc.

Lab ID : STK0936936
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Alkalinity (as CaCO ₃)	2320B	07/30/2009:209833	CCV CCV	mg/L mg/L	234.9 234.9	95.8 % 97.6 %	90-110 90-110	
Bicarbonate	2320B	07/30/2009:207903	Dup	mg/L		0.2%	4.78	
Carbonate	2320B	07/30/2009:207903	Dup	mg/L		0.0	10	
Hydroxide	2320B	07/30/2009:207903	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	07/30/2009:207947	Blank LCS LCS Dup	mg/L mg/L mg/L mg/L	 995.0 995.0	ND 99.8 % 102 % 1.1%	<20 90-110 90-110 10.0	
Bromide	300.0	07/29/2009:207899 (CH 0975715-001)	LCS	mg/L	5.000	101 %	90-110	
			MS	mg/L	100.0	107 %	90-121	
			MSD	mg/L	100.0	107 %	90-121	
			MSRPD	mg/L	100.0	0.1%	≤1.61	
	300.0	07/30/2009:209670	CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	103 %	90-110	
Chloride	300.0	07/29/2009:207899 (CH 0975715-001)	LCS	mg/L	25.00	102 %	90-110	
			MS	mg/L	500.0	107 %	86-128	
			MSD	mg/L	500.0	106 %	86-128	
			MSRPD	mg/L	100.0	0.2%	≤23.0	
	300.0	07/30/2009:209670	CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	104 %	90-110	
Nitrate	300.0	07/29/2009:207899 (CH 0975715-001)	LCS	mg/L	20.00	102 %	90-110	
			MS	mg/L	400.0	107 %	88-124	
			MSD	mg/L	400.0	108 %	88-124	
			MSRPD	mg/L	100.0	0.5%	≤29.1	
	300.0	07/30/2009:209670	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	104 %	90-110	
Sulfate	300.0	07/29/2009:207899 (CH 0975715-001)	LCS	mg/L	50.00	105 %	90-110	
			MS	mg/L	1000	107 %	78-137	
			MSD	mg/L	1000	107 %	78-137	
			MSRPD	mg/L	100.0	0.05%	≤12.3	
	300.0	07/30/2009:209670	CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	107 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/11/2009:208395 (SP 0907534-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	72.4 %	41-148	
			LCS	mg/L	10.00	75.9 %	41-148	
			MS	mg/L	0.4000	155 %	25-149	
			MSD	mg/L	0.4000	64.5 %	25-149	
			MSRPD	mg/L	0.4000	0.36	≤1	
								435
Ammonia Nitrogen	4500NH3B	08/06/2009:208205 (SP 0907450-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	95.5 %	63-116	
			MS	mg/L	0.4000	86.0 %	17-127	
			MSD	mg/L	0.4000	60.2 %	17-127	
	4500NH3G	08/07/2009:210096	MSRPD	mg/L	0.4000	0.10	≤0.2	
			CCB	mg/L		-0.046	0.2	
			CCV	mg/L	2.000	101 %	90-110	

August 19, 2009
HydroFocus, Inc.

Lab ID : STK0936936
 Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Ammonia Nitrogen	4500NH3G	08/07/2009:210096	CCB	mg/L		-0.045	0.2	
			CCV	mg/L	2.000	99.9 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/13/2009:210391	CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	92.0 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	95.3 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	98.8 %	90-110	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

ANALYTICAL CHEMISTS

August 5, 2009

HydroFocus, Inc.

Teresa Deverel

P.O. Box 2401

Davis, CA 95617

STK0936936:1-2 COLIFORM BACTERIA ANALYSIS

Customer ID : 3-15742

System Number :

Project Name : QA/QC GWM Samples

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0936936-001	MWM-35	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 14:00	07/28/2009 15:18 MO	2009-07-30 MO
2	STK0936936-002	MWM-36	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/28/2009 14:15	07/28/2009 15:19 MO	2009-08-01 MO

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-35	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWM-36	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By**Raquel R. Harvey**Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05



Analytical Chemists
August 26, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937011
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 30 pages divided into 3 sections:

Case Narrative (3 pages) : An overview of the work performed at FGL.
Sample Results (20 pages) : Results for each sample submitted.
Quality Control (7 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	07/29/2009	07/29/2009	STK0937011-000	LBW
MWM-1	07/29/2009	07/29/2009	STK0937011-001	MW
MWM-2	07/29/2009	07/29/2009	STK0937011-002	MW
MWM-3	07/29/2009	07/29/2009	STK0937011-003	MW
MWM-4	07/29/2009	07/29/2009	STK0937011-004	MW
MWM-5	07/29/2009	07/29/2009	STK0937011-005	MW
MWM-12	07/29/2009	07/29/2009	STK0937011-008	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	07/31/2009:209762 All analysis quality controls are within established criteria.
	07/31/2009:209837 All analysis quality controls are within established criteria.
	08/21/2009:210837 All analysis quality controls are within established criteria.
	07/31/2009:207960 All preparation quality controls are within established criteria.
	08/21/2009:208780 All preparation quality controls are within established criteria.

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Organic QC

524.2	08/06/2009:210103 All analysis quality controls are within established criteria.
	08/07/2009:210167 All analysis quality controls are within established criteria.
	08/06/2009:208245 All preparation quality controls are within established criteria.
	08/07/2009:208301 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/03/2009:209900 All analysis quality controls are within established criteria.
	08/04/2009:209965 All analysis quality controls are within established criteria.
	08/03/2009:208037 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO ₃), Bicarbonate: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	08/04/2009:208074 All preparation quality controls are within established criteria.
2540 C	08/03/2009:208055 All preparation quality controls are within established criteria.
300.0	07/31/2009:209780 All analysis quality controls are within established criteria.
	07/31/2009:209945 All analysis quality controls are within established criteria.
	07/30/2009:207983 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	07/31/2009:208016 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
351.1	08/12/2009:208424 All preparation quality controls are within established criteria.
4500NH3B	08/12/2009:208443 All preparation quality controls are within established criteria.
4500NH3G	08/13/2009:210395 All analysis quality controls are within established criteria.
4500NO3F	08/14/2009:210470 All analysis quality controls are within established criteria.

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-27

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : Travel Blank
Project : Mossdale GW Monitoring

Lab ID : STK0937011-000
Customer ID : 3-15742

Sampled On : July 29, 2009-08:15
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	86.9	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-12:28ACC
1,2-Dichlorobenzene-d4	82.9	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-12:28ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-12:28ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-12:28ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-12:28ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-12:28ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-12:28ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-1
Project : Mossdale GW Monitoring

Lab ID : STK0937011-001
Customer ID : 3-15742

Sampled On : July 29, 2009-11:00
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	100	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:00ACC
1,2-Dichlorobenzene-d4	101	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:00ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:00ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:00ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:00ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:00ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:00ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-1
Project : Mossdale GW Monitoring

Lab ID : STK0937011-001
Customer ID : 3-15742

Sampled On : July 29, 2009-11:00
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.58			units	1				07/29/09 11:00	4500-H B		07/29/09 11:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-1
Project : Mossdale GW Monitoring

Lab ID : STK0937011-001
Customer ID : 3-15742

Sampled On : July 29, 2009-11:00
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.4	0.1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:19SJM
Calcium	87	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:19SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:19SJM
Magnesium	18	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:19SJM
Manganese	0.06	0.01		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:19SJM
Potassium	2	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:19SJM
Sodium	146	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:19SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208443	08/12/09 11:30	4500NH3G	210395-FI206	08/13/09-05:44AMB
Alkalinity (as CaCO3)	290	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:10AMB
Bicarbonate	350	10		mg/L	1.000	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:10AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:10AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:10AMB
Bromide	0.26	0.03		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:20CHL
Chloride	119	5		mg/L	5	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:35CHL
Nitrate Nitrogen	0.8	0.1		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:20CHL
Nitrate + Nitrite as N	0.8	0.1		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:20CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	Eb:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:30AMB
Solids, Total Dissolved (TDS)	710	20		mg/L	1	:-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:16ACC
Sulfate	151	2		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:20CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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Santa Paula, CA 93060
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Office & Laboratory

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Field Office

Visalia, California
TEL: 559-734-9473
FAX: 559-734-8435
Mobile: 559-737-2399

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-2
Project : Mossdale GW Monitoring

Lab ID : STK0937011-002
Customer ID : 3-15742

Sampled On : July 29, 2009-14:20
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	93.0	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:09VRG
1,2-Dichlorobenzene-d4	88.9	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:09VRG
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:09VRG
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:09VRG
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:09VRG
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:Ub	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:09VRG
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:09VRG

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-2
Project : Mossdale GW Monitoring

Lab ID : STK0937011-002
Customer ID : 3-15742

Sampled On : July 29, 2009-14:20
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.33			units	1				07/29/09 14:20	4500-H B		07/29/09 14:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-2
Project : Mossdale GW Monitoring

Lab ID : STK0937011-002
Customer ID : 3-15742

Sampled On : July 29, 2009-14:20
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.3	0.1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:24SJM
Calcium	144	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:24SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:24SJM
Magnesium	36	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:24SJM
Manganese	0.01	0.01		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:24SJM
Potassium	2	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:24SJM
Sodium	154	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:24SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208443	08/12/09 11:30	4500NH3G	210395-FI206	08/13/09-05:45AMB
Alkalinity (as CaCO3)	340	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:20AMB
Bicarbonate	420	10		mg/L	1.000	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:20AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:20AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:20AMB
Bromide	0.46	0.03		mg/L	1	:	300.0	208016	07/31/09 08:50	300.0	209945-IC204	07/31/09-12:32CHL
Chloride	94	1		mg/L	1	:	300.0	208016	07/31/09 08:50	300.0	209945-IC204	07/31/09-12:32CHL
Nitrate Nitrogen	8.8	0.1		mg/L	1	:	300.0	208016	07/31/09 08:50	300.0	209945-IC204	07/31/09-12:32CHL
Nitrate + Nitrite as N	8.8	0.1		mg/L	1	:	300.0	208016	07/31/09 08:50	300.0	209945-IC204	07/31/09-12:32CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	Eb:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:31AMB
Solids, Total Dissolved (TDS)	1080	20		mg/L	1	:-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:17ACC
Sulfate	360	10		mg/L	5	:	300.0	208016	07/31/09 08:50	300.0	209945-IC204	07/31/09-12:47CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-3
Project : Mossdale GW Monitoring

Lab ID : STK0937011-003
Customer ID : 3-15742

Sampled On : July 29, 2009-13:50
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	96.5	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:41VRG
1,2-Dichlorobenzene-d4	91.0	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:41VRG
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:41VRG
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:41VRG
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:41VRG
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:Ub	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:41VRG
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-19:41VRG

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-3
Project : Mossdale GW Monitoring

Lab ID : STK0937011-003
Customer ID : 3-15742

Sampled On : July 29, 2009-13:50
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.38			units	1				07/29/09 13:50	4500-H B		07/29/09 13:50

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-3
Project : Mossdale GW Monitoring

Lab ID : STK0937011-003
Customer ID : 3-15742

Sampled On : July 29, 2009-13:50
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.3	0.1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:28SJM
Calcium	82	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:28SJM
Iron	0.11	0.05		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:28SJM
Magnesium	27	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:28SJM
Manganese	0.32	0.01		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:28SJM
Potassium	2	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:28SJM
Sodium	167	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:28SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208443	08/12/09 11:30	4500NH3G	210395-FI206	08/13/09-05:48AMB
Alkalinity (as CaCO3)	270	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:30AMB
Bicarbonate	330	10		mg/L	1.000	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:30AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:30AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:30AMB
Bromide	0.36	0.03		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-06:56CHL
Chloride	162	5		mg/L	5	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:11CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	E:E	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-06:56CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	E:E	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-06:56CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	Eb:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:32AMB
Solids, Total Dissolved (TDS)	800	20		mg/L	1	:b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:18ACC
Sulfate	173	2		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-06:56CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-4
Project : Mossdale GW Monitoring

Lab ID : STK0937011-004
Customer ID : 3-15742

Sampled On : July 29, 2009-13:25
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	96.8	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:13VRG
1,2-Dichlorobenzene-d4	97.3	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:13VRG
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:13VRG
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:13VRG
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:13VRG
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:Ub	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:13VRG
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:13VRG

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-4
Project : Mossdale GW Monitoring

Lab ID : STK0937011-004
Customer ID : 3-15742

Sampled On : July 29, 2009-13:25
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.28			units	1				07/29/09 13:25	4500-H B		07/29/09 13:25

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-4
Project : Mossdale GW Monitoring

Lab ID : STK0937011-004
Customer ID : 3-15742

Sampled On : July 29, 2009-13:25
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.3	0.2		mg/L	2	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:13SJM
Calcium	106	2		mg/L	2	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:13SJM
Iron	ND	0.1		mg/L	2	Ef:E	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:13SJM
Magnesium	32	2		mg/L	2	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:13SJM
Manganese	ND	0.02		mg/L	2	Ef:E	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:13SJM
Potassium	2	2		mg/L	2	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:13SJM
Sodium	420	2		mg/L	2	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:13SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208443	08/12/09 11:30	4500NH3G	210395-FI206	08/13/09-05:49AMB
Alkalinity (as CaCO3)	470	10		mg/L	1	:	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:19AMB
Bicarbonate	580	10		mg/L	1.000	:	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:19AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:19AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:19AMB
Bromide	0.71	0.03		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:26CHL
Chloride	440	10		mg/L	10	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:41CHL
Nitrate Nitrogen	1.2	0.1		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:26CHL
Nitrate + Nitrite as N	1.2	0.1		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:26CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	Eb:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:33AMB
Solids, Total Dissolved (TDS)	1450	20		mg/L	1	:b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:19ACC
Sulfate	190	2		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:26CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-5
Project : Mossdale GW Monitoring

Lab ID : STK0937011-005
Customer ID : 3-15742

Sampled On : July 29, 2009-13:00
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	110	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:45VRG
1,2-Dichlorobenzene-d4	106	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:45VRG
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:45VRG
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:45VRG
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:45VRG
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:Ub	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:45VRG
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-20:45VRG

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-5
Project : Mossdale GW Monitoring

Lab ID : STK0937011-005
Customer ID : 3-15742

Sampled On : July 29, 2009-13:00
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.42			units	1				07/29/09 13:00	4500-H B		07/29/09 13:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-5
Project : Mossdale GW Monitoring

Lab ID : STK0937011-005
Customer ID : 3-15742

Sampled On : July 29, 2009-13:00
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:38SJM
Calcium	134	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:38SJM
Iron	0.12	0.05		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:38SJM
Magnesium	49	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:38SJM
Manganese	1.05	0.01		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:38SJM
Potassium	3	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:38SJM
Sodium	157	1		mg/L	1	f:	200.7	207960	07/31/09 06:15	200.7	209762-IT203	07/31/09-07:38SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208443	08/12/09 11:30	4500NH3G	210395-FI206	08/13/09-05:50AMB
Alkalinity (as CaCO3)	250	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:40AMB
Bicarbonate	310	10		mg/L	1.000	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:40AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:40AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-14:40AMB
Bromide	0.45	0.03		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:56CHL
Chloride	307	5		mg/L	5	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-08:12CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:56CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:56CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	b:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:34AMB
Solids, Total Dissolved (TDS)	1040	20		mg/L	1	:-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:20ACC
Sulfate	194	2		mg/L	1	:	300.0	207983	07/30/09 16:50	300.0	209780-IC204	07/31/09-07:56CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-12
Project : Mossdale GW Monitoring

Lab ID : STK0937011-008
Customer ID : 3-15742

Sampled On : July 29, 2009-12:10
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.9	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-21:16VRG
1,2-Dichlorobenzene-d4	87.0	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-21:16VRG
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-21:16VRG
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-21:16VRG
Chloroform	0.621	0.5	0.1	ug/L	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-21:16VRG
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:Ub	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-21:16VRG
Total Trihalomethanes	0.6	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-21:16VRG

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
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Description : MWM-12
Project : Mossdale GW Monitoring

Lab ID : STK0937011-008
Customer ID : 3-15742

Sampled On : July 29, 2009-12:10
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.74			units	1				07/29/09 12:10	4500-H B		07/29/09 12:10

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-12
Project : Mossdale GW Monitoring

Lab ID : STK0937011-008
Customer ID : 3-15742

Sampled On : July 29, 2009-12:10
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.9	0.1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:16SJM
Calcium	32	1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:16SJM
Iron	0.07	0.05		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:16SJM
Magnesium	41	1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:16SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:16SJM
Potassium	2	1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:16SJM
Sodium	1050	5		mg/L	5	f:	200.7	208780	08/21/09 06:01	200.7	210837-IT203	08/21/09-12:19SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208443	08/12/09 11:30	4500NH3G	210395-FI206	08/13/09-05:51AMB
Alkalinity (as CaCO3)	650	10		mg/L	1	:	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:46AMB
Bicarbonate	790	10		mg/L	1.000	:	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:46AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:46AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208074	08/04/09 08:01	2320B	209965-MT201	08/04/09-17:46AMB
Bromide	2.58	0.03		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:50CHL
Chloride	1150	20		mg/L	20	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-02:06CHL
Nitrate Nitrogen	2.3	0.1		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:50CHL
Nitrate + Nitrite as N	2.3	0.1		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-01:50CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	Eb:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:35AMB
Solids, Total Dissolved (TDS)	3130	20		mg/L	2.04	:b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:20ACC
Sulfate	270	40		mg/L	20	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-02:06CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 1,2-Dichlorobenzene-d4	524.2	08/06/2009:208245	Blank	ug/L	10.00	103 %	70-130	
			BSD	ug/L	10.00	87.4 %	70-130	
			BSRPD	ug/L	10.00	98.4 %	<33-199	
	524.2	08/06/2009:210103	CCV	ug/L	10.00	98.7 %	70-130	
	524.2	08/07/2009:208301	Blank	ug/L	10.00	90.8 %	70-130	
			BS	ug/L	10.00	87.0 %	70-130	
			BSD	ug/L	10.00	91.8 %	70-130	
			BSRPD	ug/L	10.00	5.4%	<30	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	95.3 %	70-130	
4-Bromofluorobenzene	524.2	08/06/2009:208245	Blank	ug/L	10.00	101 %	70-130	
			BSD	ug/L	10.00	96.4 %	70-130	
			BSRPD	ug/L	10.00	98.4 %	<33-199	
	524.2	08/07/2009:208301	Blank	ug/L	10.00	99.7 %	70-130	
			BS	ug/L	10.00	96.7 %	70-130	
			BSD	ug/L	10.00	96.3 %	70-130	
4-Bromofluorobenzene (BFB)	524.2	08/06/2009:210103	CCV	ug/L	10.00	96.2 %	70-130	
		08/07/2009:210167	CCV	ug/L	10.00	99.9 %	70-130	
	524.2	08/06/2009:208245	Blank	ug/L	10.00	ND	<0.5	
			BSD	ug/L	10.00	115 %	63-134	
Bromodichloromethane	524.2	08/06/2009:208245	Blank	ug/L	10.00	98.4 %	<33-199	
			BSD	ug/L	10.00	115 %	63-134	
			BSRPD	ug/L	10.00	11.5%	<15.6	
	524.2	08/06/2009:210103	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	103 %	63-134	
			BSD	ug/L	10.00	115 %	63-134	
	524.2	08/07/2009:208301	BSRPD	ug/L	10.00	11.5%	<15.6	
			CCV	ug/L	10.00	101 %	70-130	
Bromoform	524.2	08/06/2009:208245	Blank	ug/L	10.00	ND	<0.5	
			BSD	ug/L	10.00	86.3 %	55-147	
			BSRPD	ug/L	10.00	98.4 %	<33-199	
	524.2	08/06/2009:210103	CCV	ug/L	10.00	85.6 %	70-130	
			Blank	ug/L	10.00	ND	<0.5	
	524.2	08/07/2009:208301	BS	ug/L	10.00	82.9 %	55-147	
			BSD	ug/L	10.00	88.2 %	55-147	
			BSRPD	ug/L	10.00	6.3%	<18.7	
Chloroform	524.2	08/06/2009:208245	Blank	ug/L	10.00	ND	<0.5	
			BSD	ug/L	10.00	93.7 %	57-155	
			BSRPD	ug/L	10.00	98.4 %	<33-199	
	524.2	08/06/2009:210103	CCV	ug/L	10.00	83.7 %	70-130	
			Blank	ug/L	10.00	ND	<0.5	
	524.2	08/07/2009:208301	BS	ug/L	10.00	92.0 %	57-155	
			BSD	ug/L	10.00	82.7 %	57-155	
			BSRPD	ug/L	10.00	10.7%	<18.2	
Dibromochloromethane	524.2	08/06/2009:208245	Blank	ug/L	10.00	ND	<0.5	
			BSD	ug/L	10.00	87.9 %	66-128	
			BSRPD	ug/L	10.00	98.4 %	<33-199	
	524.2	08/06/2009:210103	CCV	ug/L	10.00	82.7 %	70-130	
			Blank	ug/L	10.00	ND	<0.5	
	524.2	08/07/2009:208301	BS	ug/L	10.00	82.8 %	66-128	
			BSD	ug/L	10.00	89.3 %	66-128	
			BSRPD	ug/L	10.00	7.5%	<22.0	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	83.4 %	70-130	

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Quality Control - Organic

Definition	
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	07/31/2009:207960 (STK0937011-001) (CH 0975732-001)	MS	mg/L	4.000	105 %	75-125	
			MSD	mg/L	4.000	103 %	75-125	
			MSRPD	mg/L	799.2	1.5%	≤20.0	
			MS	mg/L	4.000	102 %	75-125	
			MSD	mg/L	4.000	107 %	75-125	
			MSRPD	mg/L	799.2	4.6%	≤20.0	
	200.7	07/31/2009:209762	ICV	ppm	5.000	102 %	95-105	
			ICB	ppm		0.028	0.10	
			CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.008	0.10	
	200.7	07/31/2009:209837	CCV	ppm	5.000	104 %	90-110	
			CCB	ppm		0.033	0.10	
			CCV	ppm	5.000	105 %	90-110	
			CCB	ppm		0.025	0.10	
Calcium	200.7	07/31/2009:207960 (STK0937011-001) (CH 0975732-001)	MS	mg/L	12.51	78.4 %	75-125	
			MSD	mg/L	12.51	85.0 %	75-125	
			MSRPD	mg/L	799.2	0.9%	≤20.0	
			MS	mg/L	12.51	98.7 %	75-125	
			MSD	mg/L	12.51	102 %	75-125	
			MSRPD	mg/L	799.2	1.2%	≤20.0	
	200.7	07/31/2009:209762	ICV	ppm	25.02	98.3 %	95-105	
			ICB	ppm		-0.008	1.0	
			CCV	ppm	25.02	99.2 %	90-110	
			CCB	ppm		-0.006	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.02	101 %	90-110	
			CCB	ppm		0.003	1.0	
			CCV	ppm	25.02	104 %	90-110	
			CCB	ppm		0.01	1.0	
Iron	200.7	07/31/2009:207960 (STK0937011-001) (CH 0975732-001)	MS	ug/L	3992	102 %	75-125	
			MSD	ug/L	3992	101 %	75-125	
			MSRPD	ug/L	799.2	1.5%	≤20.0	
			MS	ug/L	3992	103 %	75-125	
			MSD	ug/L	3992	108 %	75-125	
			MSRPD	ug/L	799.2	4.5%	≤20.0	
	200.7	07/31/2009:209762	ICV	ppm	4.990	100 %	95-105	
			ICB	ppm		-0.0055	0.05	
			CCV	ppm	4.990	102 %	90-110	
			CCB	ppm		0.0157	0.05	
	200.7	07/31/2009:209837	CCV	ppm	4.990	103 %	90-110	
			CCB	ppm		0.0125	0.05	
			CCV	ppm	4.990	105 %	90-110	
			CCB	ppm		0.0295	0.05	
Magnesium	200.7	07/31/2009:207960 (STK0937011-001) (CH 0975732-001)	MS	mg/L	12.51	103 %	75-125	
			MSD	mg/L	12.51	100 %	75-125	
			MSRPD	mg/L	799.2	1.4%	≤20.0	
			MS	mg/L	12.51	97.4 %	75-125	
			MSD	mg/L	12.51	102 %	75-125	
			MSRPD	mg/L	799.2	2.0%	≤20.0	
	200.7	07/31/2009:209762	ICV	ppm	25.02	97.9 %	95-105	
			ICB	ppm		0.0007	1.0	
			CCV	ppm	25.02	98.8 %	90-110	
			CCB	ppm		0.0009	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.02	98.1 %	90-110	
			CCB	ppm		0.00004	1.0	
			CCV	ppm	25.02	98.6 %	90-110	

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Magnesium	200.7	07/31/2009:209837	CCB	ppm		0.0006	1.0	
Manganese	200.7	07/31/2009:207960 (STK0937011-001) (CH 0975732-001)	MS	ug/L	799.2	106 %	75-125	
			MSD	ug/L	799.2	104 %	75-125	
			MSRPD	ug/L	799.2	1.5%	≤20.0	
			MS	ug/L	799.2	104 %	75-125	
			MSD	ug/L	799.2	108 %	75-125	
			MSRPD	ug/L	799.2	4.3%	≤20.0	
	200.7	07/31/2009:209762	ICV	ppm	0.9990	103 %	95-105	
			ICB	ppm		0.00004	0.01	
			CCV	ppm	0.9990	105 %	90-110	
			CCB	ppm		0.00009	0.01	
	200.7	07/31/2009:209837	CCV	ppm	0.9990	103 %	90-110	
			CCB	ppm		0.00002	0.01	
			CCV	ppm	0.9990	105 %	90-110	
			CCB	ppm		0.00007	0.01	
Potassium	200.7	07/31/2009:207960 (STK0937011-001) (CH 0975732-001)	MS	mg/L	12.50	114 %	75-125	
			MSD	mg/L	12.50	112 %	75-125	
			MSRPD	mg/L	799.2	1.4%	≤20.0	
			MS	mg/L	12.50	106 %	75-125	
			MSD	mg/L	12.50	111 %	75-125	
			MSRPD	mg/L	799.2	4.0%	≤20.0	
	200.7	07/31/2009:209762	ICV	ppm	25.00	99.7 %	95-105	
			ICB	ppm		-0.02	1.0	
			CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.08	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.04	1.0	
			CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		0.12	1.0	
Sodium	200.7	07/31/2009:207960 (STK0937011-001) (CH 0975732-001)	MS	mg/L	12.50	90.9 %	75-125	
			MSD	mg/L	12.50	89.3 %	75-125	
			MSRPD	mg/L	799.2	0.1%	≤20.0	
			MS	mg/L	12.50	102 %	75-125	
			MSD	mg/L	12.50	107 %	75-125	
			MSRPD	mg/L	799.2	2.4%	≤20.0	
	200.7	07/31/2009:209762	ICV	ppm	25.00	97.5 %	95-105	
			ICB	ppm		0.01	1.0	
			CCV	ppm	25.00	98.0 %	90-110	
			CCB	ppm		-0.004	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.00	97.2 %	90-110	
			CCB	ppm		0.12	1.0	
			CCV	ppm	25.00	99.2 %	90-110	
			CCB	ppm		-0.01	1.0	
	200.7	08/21/2009:208780 (SP 0907743-006)	MS	mg/L	12.50	47.0 %	<¼	
			MSD	mg/L	12.50	79.4 %	75-125	
			MSRPD	mg/L	799.2	3.1%	≤20.0	
	200.7	08/21/2009:210837	CCV	ppm	25.00	99.4 %	90-110	
			CCB	ppm		-0.07	1.0	
			CCV	ppm	25.00	96.1 %	90-110	
			CCB	ppm		-0.25	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/03/2009:208037	Dup	mg/L		12.3%	3.42	440
	2320B	08/03/2009:209900	CCV	mg/L	234.9	99.7 %	90-110	
			CCV	mg/L	234.9	107 %	90-110	

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Alkalinity (as CaCO ₃)	2320B	08/04/2009:208074	Dup	mg/L		0.5%	3.42	
			Dup	mg/L		1.4%	3.42	
	2320B	08/04/2009:209965	CCV	mg/L	234.9	93.9 %	90-110	
			CCV	mg/L	234.9	97.4 %	90-110	
Bicarbonate	2320B	08/03/2009:208037	Dup	mg/L		12.3%	4.78	440
	2320B	08/04/2009:208074	Dup	mg/L		0.5%	4.78	
			Dup	mg/L		1.4%	4.78	
Carbonate	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
	2320B	08/04/2009:208074	Dup	mg/L		0.0	10	
			Dup	mg/L		0.0	10	
Hydroxide	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
	2320B	08/04/2009:208074	Dup	mg/L		0.0	10	
			Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/03/2009:208055	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	101 %	90-110	
			LCS	mg/L	995.0	103 %	90-110	
			Dup	mg/L		2.1%	10.0	
Bromide	300.0	07/30/2009:207983 (STK0937013-007) (CH 0975726-002)	LCS	mg/L	5.000	99.5 %	90-110	435
			MS	mg/L	100.0	105 %	90-121	
			MSD	mg/L	100.0	107 %	90-121	
			MSRPD	mg/L	100.0	1.9%	≤1.61	
			LCS	mg/L	5.000	103 %	90-110	
			MS	mg/L	100.0	108 %	90-121	
			MSD	mg/L	100.0	108 %	90-121	
			MSRPD	mg/L	100.0	0.03%	≤1.61	
	300.0	07/31/2009:208016 (CH 0975723-001)	LCS	mg/L	5.000	98.9 %	90-110	435
			MS	mg/L	100.0	109 %	90-121	
			MSD	mg/L	100.0	106 %	90-121	
			MSRPD	mg/L	100.0	2.8%	≤1.61	
	300.0	07/31/2009:209780	CCB	ppb		0.0	30	
			CCV	ppb	5000	101 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	103 %	90-110	
	300.0	07/31/2009:209945	CCB	ppb		0.0	30	
			CCV	ppb	5000	100 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
Chloride	300.0	07/30/2009:207983 (STK0937013-007) (CH 0975726-002)	LCS	mg/L	25.00	100 %	90-110	
			MS	mg/L	500.0	104 %	86-128	
			MSD	mg/L	500.0	106 %	86-128	
			MSRPD	mg/L	100.0	1.9%	≤23.0	
			LCS	mg/L	25.00	102 %	90-110	
			MS	mg/L	500.0	107 %	86-128	
			MSD	mg/L	500.0	107 %	86-128	
			MSRPD	mg/L	100.0	0.04%	≤23.0	
	300.0	07/31/2009:208016 (CH 0975723-001)	LCS	mg/L	25.00	99.2 %	90-110	
			MS	mg/L	500.0	109 %	86-128	
			MSD	mg/L	500.0	104 %	86-128	
			MSRPD	mg/L	100.0	4.3%	≤23.0	
	300.0	07/31/2009:209780	CCB	ppm		0.00	1	

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Chloride	300.0	07/31/2009:209780	CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
	300.0	07/31/2009:209945	CCB	ppm		0.00	1	
			CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.00	1	
Nitrate	300.0	07/30/2009:207983 (CH 0975726-002)	LCS	mg/L	20.00	99.8 %	90-110	
			MSRPD	mg/L	100.0	1.4%	≤29.1	
			LCS	mg/L	20.00	103 %	90-110	
			MS	mg/L	400.0	107 %	88-124	
			MSD	mg/L	400.0	108 %	88-124	
			MSRPD	mg/L	100.0	0.4%	≤29.1	
	300.0	07/31/2009:208016 (CH 0975723-001)	LCS	mg/L	20.00	99.3 %	90-110	
			MS	mg/L	400.0	109 %	88-124	
			MSD	mg/L	400.0	104 %	88-124	
			MSRPD	mg/L	100.0	4.4%	≤29.1	
	300.0	07/31/2009:209780	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
	300.0	07/31/2009:209945	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	100 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	101 %	90-110	
Sulfate	300.0	07/30/2009:207983 (STK0937013-007) (CH 0975726-002)	LCS	mg/L	50.00	103 %	90-110	
			MS	mg/L	1000	105 %	78-137	
			MSD	mg/L	1000	107 %	78-137	
			MSRPD	mg/L	100.0	1.4%	≤12.3	
			LCS	mg/L	50.00	105 %	90-110	
			MS	mg/L	1000	107 %	78-137	
			MSD	mg/L	1000	108 %	78-137	
			MSRPD	mg/L	100.0	0.5%	≤12.3	
	300.0	07/31/2009:208016 (CH 0975723-001)	LCS	mg/L	50.00	102 %	90-110	
			MS	mg/L	1000	109 %	78-137	
			MSD	mg/L	1000	105 %	78-137	
			MSRPD	mg/L	100.0	4.0%	≤12.3	
	300.0	07/31/2009:209780	CCB	ppm		0.00	2	
			CCV	ppm	50.00	104 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
			CCB	ppm		0.00	2	
	300.0	07/31/2009:209945	CCB	ppm		0.00	2	

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937011
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Sulfate	300.0	07/31/2009:209945	CCV CCB CCV	ppm ppm ppm	50.00 50.00	103 % 0.00 103 %	90-110 2 90-110	
Nitrogen, Total Kjeldahl	351.1	08/12/2009:208424 (VI 0941730-001)	Blank LCS LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	 10.00 10.00 0.4000 0.4000 0.4000	ND 54.6 % 58.1 % 58.8 % 51.5 % 0.029	<1 41-148 41-148 25-149 25-149 ≤1	
Ammonia Nitrogen	4500NH3B	08/12/2009:208443 (STK0936977-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	 10.00 0.4000 0.4000 0.4000	ND 64.2 % 62.0 % 24.0 % 0.15	<0.2 63-116 17-127 17-127 ≤0.2	
	4500NH3G	08/13/2009:210395	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	 2.000 2.000 2.000	0.058 95.8 % -0.060 93.6 % -0.141 93.0 %	0.2 90-110 0.2 90-110 0.2 90-110	
Nitrogen, Total Kjeldahl	4500NO3F	08/14/2009:210470	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 2.000 2.000	0.110 108 % -0.053 105 %	0.2 90-110 0.2 90-110	
Definition								
ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.								
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.								
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.								
ND : Non-detect - Result was below the DQO listed for the analyte.								
<¼ : High Sample Background - Spike concentration was less than one forth of the sample concentration.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation								
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								
440 : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

ANALYTICAL CHEMISTS
August 5, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0937011:1-5, 8 COLIFORM BACTERIA ANALYSIS
Customer ID : 3-15742

System Number :
Project Name : Mossdale GW Monitoring

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937011-001	MWM-1	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 11:00	07/29/2009 15:31 JK	2009-07-31 JK
2	STK0937011-002	MWM-2	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 14:20	07/29/2009 15:33 JK	2009-08-02 JK
3	STK0937011-003	MWM-3	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 13:50	07/29/2009 15:35 LEB	2009-08-01 LEB
4	STK0937011-004	MWM-4	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 13:25	07/29/2009 15:37 JK	2009-08-02 JK
5	STK0937011-005	MWM-5	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 13:00	07/29/2009 15:39 LEB	2009-08-02 LEB
6	STK0937011-008	MWM-12	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 12:10	07/29/2009 15:41 JK	2009-07-31 JK

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-1	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWM-2	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
3	MWM-3	---	---	SM 9221B	MPN/100ml	220	<2	N/R			
4	MWM-4	---	---	SM 9221B	MPN/100ml	30	<2	N/R			
5	MWM-5	---	---	SM 9221B	MPN/100ml	4	<2	N/R			
6	MWM-12	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05



Analytical Chemists
August 26, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937012
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 14 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (7 pages) : Results for each sample submitted.
Quality Control (5 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	07/29/2009	07/29/2009	STK0937012-000	LBW
MWM-37	07/29/2009	07/29/2009	STK0937012-001	LBW
MWM-38	07/29/2009	07/29/2009	STK0937012-002	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	07/31/2009:209837 All analysis quality controls are within established criteria.
	08/21/2009:210837 All analysis quality controls are within established criteria.
	07/31/2009:207960 All preparation quality controls are within established criteria.
	08/21/2009:208780 All preparation quality controls are within established criteria.

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937012
Customer : 3-15742

Organic QC

524.2	08/04/2009:209971 All analysis quality controls are within established criteria.
	08/06/2009:210103 All analysis quality controls are within established criteria.
	08/04/2009:208134 All preparation quality controls are within established criteria.
	08/06/2009:208245 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/03/2009:209900 All analysis quality controls are within established criteria.
	08/03/2009:208037 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO ₃), Bicarbonate: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	08/04/2009:208115 All preparation quality controls are within established criteria.
2540 C	07/31/2009:207998 All preparation quality controls are within established criteria.
300.0	07/31/2009:209780 All analysis quality controls are within established criteria.
	07/30/2009:207983 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
351.1	08/12/2009:208424 All preparation quality controls are within established criteria.
4500NH3B	08/11/2009:208394 All preparation quality controls are within established criteria.
4500NH3G	08/13/2009:210395 All analysis quality controls are within established criteria.
4500NO3F	08/14/2009:210470 All analysis quality controls are within established criteria.
WS 51.30	08/04/2009:209949 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-27

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : Travel Blank
Project : QA/QC GWM Samples

Lab ID : STK0937012-000
Customer ID : 3-15742

Sampled On : July 29, 2009-00:00
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	96.3	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-18:38VRG
1,2-Dichlorobenzene-d4	88.9	70-130		%	1	:	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-18:38VRG
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-18:38VRG
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-18:38VRG
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-18:38VRG
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:Ub	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-18:38VRG
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208245	08/06/09 11:30	524.2	210103-GM205	08/06/09-18:38VRG

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-37
Project : QA/QC GWM Samples

Lab ID : STK0937012-001
Customer ID : 3-15742

Sampled On : July 29, 2009-12:20
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	96.3	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:02ACC
1,2-Dichlorobenzene-d4	82.8	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:02ACC
Bromodichloromethane	ND	0.5	0.14	ug/L	1	U:U	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:02ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:02ACC
Chloroform	0.294	0.5	0.077	ug/L	1	E:E	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:02ACC
Dibromochloromethane	ND	0.5	0.084	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:02ACC
Total Trihalomethanes	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:02ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-37
Project : QA/QC GWM Samples

Lab ID : STK0937012-001
Customer ID : 3-15742

Sampled On : July 29, 2009-12:20
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.74			units	1				07/29/09 12:20	4500-H B		07/29/09 12:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-37
Project : QA/QC GWM Samples

Lab ID : STK0937012-001
Customer ID : 3-15742

Sampled On : July 29, 2009-12:20
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.9	0.1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:20SJM
Calcium	32	1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:20SJM
Iron	0.09	0.05		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:20SJM
Magnesium	41	1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:20SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:20SJM
Potassium	2	1		mg/L	1	f:	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:20SJM
Sodium	1020	5		mg/L	5	f:	200.7	208780	08/21/09 06:01	200.7	210837-IT203	08/21/09-12:24SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:24AMB
Alkalinity (as CaCO3)	620	10		mg/L	1	:	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Bicarbonate	760	10		mg/L	1.000	:	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Bromide	2.59	0.03		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-02:21CHL
Chloride	1160	20		mg/L	20	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-02:36CHL
Nitrate Nitrogen	2.3	0.1		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-02:21CHL
Nitrate + Nitrite as N	2.3	0.1		mg/L	1	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-02:21CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	Eb:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:36AMB
Solids, Total Dissolved (TDS)	2770	20		mg/L	2.04	:b	2540 C	207998	07/31/09 13:57	2540C	209839-WT219	08/03/09-09:54ACC
Sulfate	280	40		mg/L	20	:	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-02:36CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-38
Project : QA/QC GWM Samples

Lab ID : STK0937012-002
Customer ID : 3-15742

Sampled On : July 29, 2009-12:40
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	93.9	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:39ACC
1,2-Dichlorobenzene-d4	87.5	70-130		%	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:39ACC
Bromodichloromethane	0.816	0.5	0.14	ug/L	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:39ACC
Bromoform	ND	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:39ACC
Chloroform	4.29	0.5	0.077	ug/L	1	:	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:39ACC
Dibromochloromethane	0.505	0.5	0.084	ug/L	1	:b	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:39ACC
Total Trihalomethanes	5.6	0.5	0.18	ug/L	1	U:Ub	524.2	208134	08/04/09 09:24	524.2	209971-GM207	08/04/09-18:39ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 26, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-38
Project : QA/QC GWM Samples

Lab ID : STK0937012-002
Customer ID : 3-15742

Sampled On : July 29, 2009-12:40
Sampled By : Brandon Meyers
Received On : July 29, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	ND	0.1		mg/L	1	Ef:E	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:24SJM
Calcium	ND	1		mg/L	1	Uf:U	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:24SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:24SJM
Magnesium	ND	1		mg/L	1	Uf:U	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:24SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:24SJM
Potassium	ND	1		mg/L	1	Uf:U	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:24SJM
Sodium	ND	1		mg/L	1	Ef:E	200.7	207960	07/31/09 09:59	200.7	209837-IT203	07/31/09-14:24SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	Ub:U-b	4500NH3B	208394	08/11/09 11:00	4500NH3G	210395-FI206	08/13/09-05:25AMB
Alkalinity (as CaCO3)	10	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-15:06AMB
Bicarbonate	10	10		mg/L	1.000	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-15:06AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-15:06AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-15:06AMB
Bromide	ND	0.03		mg/L	1	U:U	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-03:22CHL
Chloride	ND	1		mg/L	1	E:E	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-03:22CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-03:22CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-03:22CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	Eb:U-b	351.1	208424	08/12/09 10:00	4500NO3F	210470-FI206	08/14/09-05:37AMB
Solids, Total Dissolved (TDS)	ND	20		mg/L	0.56667	:Ub	2540 C	207998	07/31/09 13:57	2540C	209839-WT219	08/03/09-09:54ACC
Sulfate	ND	2		mg/L	1	U:U	300.0	207983	07/30/09 16:30	300.0	209780-IC204	07/31/09-03:22CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937012
Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 1,2-Dichlorobenzene-d4	524.2	08/04/2009:208134	Blank	ug/L	10.00	81.4 %	70-130	
			BS	ug/L	10.00	112 %	70-130	
			BSD	ug/L	10.00	115 %	70-130	
			BSRPD	ug/L	10.00	2.9%	≤30	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	113 %	70-130	
	524.2	08/06/2009:208245	Blank	ug/L	10.00	103 %	70-130	
			BSD	ug/L	10.00	87.4 %	70-130	
			BSRPD	ug/L	10.00	98.4 %	≤33-199	
524.2	08/06/2009:210103	CCV	ug/L	10.00	98.7 %	70-130		
4-Bromofluorobenzene	524.2	08/04/2009:208134	Blank	ug/L	10.00	85.9 %	70-130	
			BS	ug/L	10.00	99.9 %	70-130	
			BSD	ug/L	10.00	106 %	70-130	
			BSRPD	ug/L	10.00	6.1%	≤30	
	524.2	08/06/2009:208245	Blank	ug/L	10.00	101 %	70-130	
			BSD	ug/L	10.00	96.4 %	70-130	
BSRPD	ug/L	10.00	98.4 %	≤33-199				
4-Bromofluorobenzene (BFB)	524.2	08/04/2009:209971	CCV	ug/L	10.00	100 %	70-130	
	524.2	08/06/2009:210103	CCV	ug/L	10.00	96.2 %	70-130	
Bromodichloromethane	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	103 %	63-134	
			BSD	ug/L	10.00	105 %	63-134	
			BSRPD	ug/L	10.00	2.0%	≤15.6	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	104 %	70-130	
	524.2	08/06/2009:208245	Blank	ug/L		ND	<0.5	
BSD			ug/L	10.00	115 %	63-134		
BSRPD	ug/L	10.00	98.4 %	≤33-199				
524.2	08/06/2009:210103	CCV	ug/L	10.00	105 %	70-130		
Bromoform	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	88.9 %	55-147	
			BSD	ug/L	10.00	91.2 %	55-147	
			BSRPD	ug/L	10.00	2.4%	≤18.7	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	93.0 %	70-130	
	524.2	08/06/2009:208245	Blank	ug/L		ND	<0.5	
BSD			ug/L	10.00	86.3 %	55-147		
BSRPD	ug/L	10.00	98.4 %	≤33-199				
524.2	08/06/2009:210103	CCV	ug/L	10.00	85.6 %	70-130		
Chloroform	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	109 %	57-155	
			BSD	ug/L	10.00	106 %	57-155	
			BSRPD	ug/L	10.00	2.7%	≤18.2	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	111 %	70-130	
	524.2	08/06/2009:208245	Blank	ug/L		ND	<0.5	
BSD			ug/L	10.00	93.7 %	57-155		
BSRPD	ug/L	10.00	98.4 %	≤33-199				
524.2	08/06/2009:210103	CCV	ug/L	10.00	83.7 %	70-130		
Dibromochloromethane	524.2	08/04/2009:208134	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	90.0 %	66-128	
			BSD	ug/L	10.00	90.6 %	66-128	
			BSRPD	ug/L	10.00	0.6%	≤22.0	
	524.2	08/04/2009:209971	CCV	ug/L	10.00	94.3 %	70-130	
	524.2	08/06/2009:208245	Blank	ug/L		ND	<0.5	
BSD			ug/L	10.00	87.9 %	66-128		
BSRPD	ug/L	10.00	98.4 %	≤33-199				
524.2	08/06/2009:210103	CCV	ug/L	10.00	82.7 %	70-130		

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937012
Customer : 3-15742

Quality Control - Organic

Definition	
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937012
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	07/31/2009:207960 (CH 0975732-001)	MS	mg/L	4.000	102 %	75-125	
			MSD	mg/L	4.000	107 %	75-125	
			MSRPD	mg/L	799.2	4.6%	≤20.0	
	200.7	07/31/2009:209837	CCV	ppm	5.000	104 %	90-110	
Calcium	200.7	07/31/2009:207960 (CH 0975732-001)	CCB	ppm		0.033	0.10	
			CCV	ppm	5.000	105 %	90-110	
			CCB	ppm		0.025	0.10	
	200.7	07/31/2009:209837	CCV	ppm	25.02	101 %	90-110	
Iron	200.7	07/31/2009:207960 (CH 0975732-001)	CCB	ppm		0.003	1.0	
			CCV	ppm	25.02	104 %	90-110	
			CCB	ppm		0.01	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.02	104 %	90-110	
Magnesium	200.7	07/31/2009:207960 (CH 0975732-001)	MS	ug/L	3992	103 %	75-125	
			MSD	ug/L	3992	108 %	75-125	
			MSRPD	ug/L	799.2	4.5%	≤20.0	
	200.7	07/31/2009:209837	CCV	ppm	4.990	103 %	90-110	
Manganese	200.7	07/31/2009:207960 (CH 0975732-001)	CCB	ppm		0.0125	0.05	
			CCV	ppm	4.990	105 %	90-110	
			CCB	ppm		0.0295	0.05	
	200.7	07/31/2009:209837	CCV	ppm	25.02	98.1 %	90-110	
Potassium	200.7	07/31/2009:207960 (CH 0975732-001)	CCB	ppm		0.00004	1.0	
			CCV	ppm	25.02	98.6 %	90-110	
			CCB	ppm		0.0006	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.02	98.1 %	90-110	
Sodium	200.7	07/31/2009:207960 (CH 0975732-001)	CCB	ppm		0.00002	0.01	
			CCV	ppm	0.9990	105 %	90-110	
			CCB	ppm		0.00007	0.01	
	200.7	07/31/2009:209837	CCV	ppm	0.9990	103 %	90-110	
Sulfur	200.7	07/31/2009:207960 (CH 0975732-001)	MS	mg/L	12.50	106 %	75-125	
			MSD	mg/L	12.50	111 %	75-125	
			MSRPD	mg/L	799.2	4.0%	≤20.0	
	200.7	07/31/2009:209837	CCV	ppm	25.00	101 %	90-110	
Zinc	200.7	07/31/2009:207960 (CH 0975732-001)	CCB	ppm		0.04	1.0	
			CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		0.12	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.00	104 %	90-110	
Copper	200.7	07/31/2009:207960 (CH 0975732-001)	CCB	ppm		0.12	1.0	
			CCV	ppm	25.00	99.2 %	90-110	
			CCB	ppm		-0.01	1.0	
	200.7	07/31/2009:209837	CCV	ppm	25.00	99.2 %	90-110	
Lead	200.7	08/21/2009:208780 (SP 0907743-006)	MS	mg/L	12.50	47.0 %	<¼	
			MSD	mg/L	12.50	79.4 %	75-125	
			MSRPD	mg/L	799.2	3.1%	≤20.0	
	200.7	08/21/2009:210837	CCV	ppm	25.00	99.4 %	90-110	
Cadmium	200.7	08/21/2009:210837	CCB	ppm		-0.07	1.0	
			CCV	ppm	25.00	96.1 %	90-110	
			CCB	ppm				
	200.7	08/21/2009:210837	CCV	ppm	25.00	96.1 %	90-110	

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937012
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	08/21/2009:210837	CCB	ppm		-0.25	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/03/2009:208037	Dup	mg/L		12.3%	3.42	440
	2320B	08/03/2009:209900	CCV	mg/L	234.9	96.9 %	90-110	
			CCV	mg/L	234.9	99.7 %	90-110	
	2320B	08/04/2009:208115	Dup	mg/L		0.5%	3.42	
Bicarbonate	2320B	08/03/2009:208037	Dup	mg/L		12.3%	4.78	440
	2320B	08/04/2009:208115	Dup	mg/L		0.5%	4.78	
Carbonate	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
	2320B	08/04/2009:208115	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
	2320B	08/04/2009:208115	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	07/31/2009:207998	Blank	mg/L		4.5	20	
			LCS	mg/L	995.0	105 %	90-110	
			LCS	mg/L	995.0	105 %	90-110	
			Dup	mg/L		3.6%	10.0	
Bromide	300.0	07/30/2009:207983 (STK0937013-007)	LCS	mg/L	5.000	99.5 %	90-110	
			MS	mg/L	100.0	105 %	90-121	
			MSD	mg/L	100.0	107 %	90-121	
			MSRPD	mg/L	100.0	1.9%	≤1.61	435
	300.0	07/31/2009:209780	CCB	ppb		0.0	30	
			CCV	ppb	5000	101 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
Chloride	300.0	07/30/2009:207983 (STK0937013-007)	LCS	mg/L	25.00	100 %	90-110	
			MS	mg/L	500.0	104 %	86-128	
			MSD	mg/L	500.0	106 %	86-128	
			MSRPD	mg/L	100.0	1.9%	≤23.0	
	300.0	07/31/2009:209780	CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
Nitrate	300.0	07/30/2009:207983	LCS	mg/L	20.00	99.8 %	90-110	
			MSRPD	mg/L	100.0	1.4%	≤29.1	
	300.0	07/31/2009:209780	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	102 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
Sulfate	300.0	07/30/2009:207983 (STK0937013-007)	LCS	mg/L	50.00	103 %	90-110	
			MS	mg/L	1000	105 %	78-137	
			MSD	mg/L	1000	107 %	78-137	
			MSRPD	mg/L	100.0	1.4%	≤12.3	
	300.0	07/31/2009:209780	CCB	ppm		0.00	2	
			CCV	ppm	50.00	104 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	105 %	90-110	

August 26, 2009
HydroFocus, Inc.

Lab ID : STK0937012
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.1	08/12/2009:208424 (VI 0941730-001)	Blank LCS LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	 10.00 10.00 0.4000 0.4000 0.4000	ND 54.6 % 58.1 % 58.8 % 51.5 % 0.029	<1 41-148 41-148 25-149 25-149 ≤1	
Ammonia Nitrogen	4500NH3B	08/11/2009:208394 (SP 0907520-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	 10.00 0.4000 0.4000 0.4000	ND 73.5 % 106 % 61.2 % 0.18	<0.2 63-116 17-127 17-127 ≤0.2	
	4500NH3G	08/13/2009:210395	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 2.000 2.000	0.040 94.0 % 0.058 95.8 %	0.2 90-110 0.2 90-110	
Nitrogen, Total Kjeldahl	4500NO3F	08/14/2009:210470	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 2.000 2.000	0.110 108 % -0.053 105 %	0.2 90-110 0.2 90-110	
Alkalinity (as CaCO3)	WS 51.30	08/04/2009:209949	CCV	mg/L	234.9	98.8 %	80-120	
Definition								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.								
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.								
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.								
ND : Non-detect - Result was below the DQO listed for the analyte.								
<¼ : High Sample Background - Spike concentration was less than one forth of the sample concentration.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation								
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								
440 : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

ANALYTICAL CHEMISTS

August 5, 2009

HydroFocus, Inc.

Teresa Deverel

P.O. Box 2401

Davis, CA 95617

STK0937012:1-2 COLIFORM BACTERIA ANALYSIS

Customer ID : 3-15742

System Number :

Project Name : QA/QC GWM Samples

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937012-001	MWM-37	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 12:20	07/29/2009 15:43 JK	2009-07-31 JK
2	STK0937012-002	MWM-38	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/29/2009 12:40	07/29/2009 15:45 LEB	2009-08-01 LEB

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-37	---	---	SM 9221B	MPN/100ml	2	<2	N/R			
2	MWM-38	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By**Raquel R. Harvey**Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05**Corporate Offices & Laboratory**853 Corporation Street
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Bacteriological Results Page: 1

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Analytical Chemists
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937027
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 29 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (22 pages) : Results for each sample submitted.
Quality Control (5 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	07/30/2009	07/30/2009	STK0937027-000	LBW
MWM-27	07/30/2009	07/30/2009	STK0937027-010	MW
MWM-14	07/30/2009	07/30/2009	STK0937027-011	MW
MWM-15	07/30/2009	07/30/2009	STK0937027-012	MW
MWM-16	07/30/2009	07/30/2009	STK0937027-013	MW
MWM-17	07/30/2009	07/30/2009	STK0937027-014	MW
MWM-19	07/30/2009	07/30/2009	STK0937027-015	MW
MWM-20	07/30/2009	07/30/2009	STK0937027-016	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/03/2009:209902 All analysis quality controls are within established criteria.
	08/04/2009:209967 All analysis quality controls are within established criteria.
	08/03/2009:208020 All preparation quality controls are within established criteria.
	08/04/2009:208072 All preparation quality controls are within established criteria.

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937027
Customer : 3-15742

Organic QC

524.2	08/07/2009:210167 All analysis quality controls are within established criteria.
	08/07/2009:208301 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/03/2009:209900 All analysis quality controls are within established criteria.
	08/03/2009:208037 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO ₃): 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	08/04/2009:208115 All preparation quality controls are within established criteria.
2540 C	08/03/2009:208055 All preparation quality controls are within established criteria.
	08/04/2009:208113 All preparation quality controls are within established criteria.
300.0	07/31/2009:209945 All analysis quality controls are within established criteria.
	08/01/2009:209945 All analysis quality controls are within established criteria.
	07/31/2009:208016 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
351.1	08/13/2009:208483 All preparation quality controls are within established criteria.
4500NH3B	08/13/2009:208494 All preparation quality controls are within established criteria.
4500NH3G	08/14/2009:210472 All analysis quality controls are within established criteria.
EPA351.2	08/17/2009:210502 All analysis quality controls are within established criteria.
WS 51.30	08/04/2009:209949 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-27

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : Travel Blank
Project : Mossdale GW Monitoring

Lab ID : STK0937027-000
Customer ID : 3-15742

Sampled On : July 30, 2009-08:35
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	100	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-18:49ACC
1,2-Dichlorobenzene-d4	89.3	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-18:49ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-18:49ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-18:49ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-18:49ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-18:49ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-18:49ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-27
Project : Mossdale GW Monitoring

Lab ID : STK0937027-010
Customer ID : 3-15742

Sampled On : July 30, 2009-08:35
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	99.9	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:31ACC
1,2-Dichlorobenzene-d4	82.4	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:31ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:31ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:31ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:31ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:31ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-13:31ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-27
Project : Mossdale GW Monitoring

Lab ID : STK0937027-010
Customer ID : 3-15742

Sampled On : July 30, 2009-08:35
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.21			units	1				07/30/09 08:35	4500-H B		07/30/09 08:35

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-27
Project : Mossdale GW Monitoring

Lab ID : STK0937027-010
Customer ID : 3-15742

Sampled On : July 30, 2009-08:35
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:1}												
Boron	0.3	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:13SJM
Calcium	117	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:13SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:13SJM
Magnesium	42	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:13SJM
Manganese	1.29	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:13SJM
Potassium	5	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:13SJM
Sodium	129	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:13SJM
Wet Chemistry ^{P:1/4}												
Ammonia-N	0.1	0.1		mg/L	1	Eb:Eb	4500NH3B	208494	08/13/09 11:45	4500NH3G	210472-FI206	08/14/09-06:29AMB
Alkalinity (as CaCO3)	230	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:47AMB
Bicarbonate	280	10		mg/L	1.000	:	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:47AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:47AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:47AMB
Bromide	0.50	0.03		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:09CHL
Chloride	270	5		mg/L	5	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:25CHL
Nitrate Nitrogen	9.4	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:09CHL
Nitrate + Nitrite as N	9.7	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:09CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U-b	351.1	208483	08/13/09 10:00	EPA351.2	210502-FI206	08/17/09-04:30AMB
Solids, Total Dissolved (TDS)	890	20		mg/L	1	:b	2540 C	208113	08/04/09 13:21	2540C	209969-WT219	08/05/09-10:36ACC
Sulfate	135	2		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:09CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-14
Project : Mossdale GW Monitoring

Lab ID : STK0937027-011
Customer ID : 3-15742

Sampled On : July 30, 2009-09:30
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.7	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:03ACC
1,2-Dichlorobenzene-d4	99.3	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:03ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:03ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:03ACC
Chloroform	0.809	0.5	0.1	ug/L	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:03ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:03ACC
Total Trihalomethanes	0.8	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:03ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-14
Project : Mossdale GW Monitoring

Lab ID : STK0937027-011
Customer ID : 3-15742

Sampled On : July 30, 2009-09:30
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.23			units	1				07/30/09 09:30	4500-H B		07/30/09 09:30

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-14
Project : Mossdale GW Monitoring

Lab ID : STK0937027-011
Customer ID : 3-15742

Sampled On : July 30, 2009-09:30
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:1}												
Boron	0.4	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:15SJM
Calcium	90	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:15SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:15SJM
Magnesium	33	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:15SJM
Manganese	0.90	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:15SJM
Potassium	2	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:15SJM
Sodium	141	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:15SJM
Wet Chemistry ^{P:14}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208494	08/13/09 11:45	4500NH3G	210472-FI206	08/14/09-06:30AMB
Alkalinity (as CaCO3)	290	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:56AMB
Bicarbonate	350	10		mg/L	1.000	:	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:56AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:56AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-16:56AMB
Bromide	0.39	0.03		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:40CHL
Chloride	181	5		mg/L	5	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:55CHL
Nitrate Nitrogen	2.5	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:40CHL
Nitrate + Nitrite as N	2.5	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:40CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U-b	351.1	208483	08/13/09 10:00	EPA351.2	210502-FI206	08/17/09-04:32AMB
Solids, Total Dissolved (TDS)	795	10	13	mg/L	1	-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:20ACC
Sulfate	126	2		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	07/31/09-20:40CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-15
Project : Mossdale GW Monitoring

Lab ID : STK0937027-012
Customer ID : 3-15742

Sampled On : July 30, 2009-10:15
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	92.3	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:35ACC
1,2-Dichlorobenzene-d4	95.1	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:35ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:35ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:35ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:35ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:35ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-14:35ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-15
Project : Mossdale GW Monitoring

Lab ID : STK0937027-012
Customer ID : 3-15742

Sampled On : July 30, 2009-10:15
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.12			units	1				07/30/09 10:15	4500-H B		07/30/09 10:15

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-15
Project : Mossdale GW Monitoring

Lab ID : STK0937027-012
Customer ID : 3-15742

Sampled On : July 30, 2009-10:15
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:1}												
Boron	0.5	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:18SJM
Calcium	80	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:18SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:18SJM
Magnesium	46	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:18SJM
Manganese	0.04	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:18SJM
Potassium	3	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:18SJM
Sodium	426	2		mg/L	2	f:	200.7	208072	08/04/09 07:05	200.7	209967-IT203	08/04/09-10:43SJM
Wet Chemistry ^{P:14}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208494	08/13/09 11:45	4500NH3G	210472-FI206	08/14/09-06:32AMB
Alkalinity (as CaCO3)	560	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:06AMB
Bicarbonate	690	10		mg/L	1.000	:	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:06AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:06AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:06AMB
Bromide	1.15	0.03		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:18CHL
Chloride	380	10		mg/L	10	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:33CHL
Nitrate Nitrogen	1.6	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:18CHL
Nitrate + Nitrite as N	1.6	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:18CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U-b	351.1	208483	08/13/09 10:00	EPA351.2	210502-FI206	08/17/09-04:33AMB
Solids, Total Dissolved (TDS)	1490	20		mg/L	1	:b	2540 C	208113	08/04/09 13:21	2540C	209969-WT219	08/05/09-11:09ACC
Sulfate	203	2		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:18CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-16
Project : Mossdale GW Monitoring

Lab ID : STK0937027-013
Customer ID : 3-15742

Sampled On : July 30, 2009-10:55
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	103	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:07ACC
1,2-Dichlorobenzene-d4	95.9	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:07ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:07ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:07ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:07ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:07ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:07ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-16
Project : Mossdale GW Monitoring

Lab ID : STK0937027-013
Customer ID : 3-15742

Sampled On : July 30, 2009-10:55
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.11			units	1				07/30/09 10:55	4500-H B		07/30/09 10:55

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-16
Project : Mossdale GW Monitoring

Lab ID : STK0937027-013
Customer ID : 3-15742

Sampled On : July 30, 2009-10:55
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:1}												
Boron	0.9	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:21SJM
Calcium	93	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:21SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:21SJM
Magnesium	51	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:21SJM
Manganese	0.66	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:21SJM
Potassium	2	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:21SJM
Sodium	252	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:21SJM
Wet Chemistry ^{P:14}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208494	08/13/09 11:45	4500NH3G	210472-FI206	08/14/09-06:33AMB
Alkalinity (as CaCO3)	570	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:20AMB
Bicarbonate	690	10		mg/L	1.000	:	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:20AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:20AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:20AMB
Bromide	0.39	0.03		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:49CHL
Chloride	131	5		mg/L	5	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-05:04CHL
Nitrate Nitrogen	9.4	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:49CHL
Nitrate + Nitrite as N	9.4	0.1		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:49CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E- b:U-b	351.1	208483	08/13/09 10:00	EPA351.2	210502-FI206	08/17/09-04:34AMB
Solids, Total Dissolved (TDS)	1060	20		mg/L	1	:b	2540 C	208113	08/04/09 13:21	2540C	209969-WT219	08/05/09-10:33ACC
Sulfate	146	2		mg/L	1	:	300.0	208016	07/31/09 16:25	300.0	209945-IC204	08/01/09-04:49CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-17
Project : Mossdale GW Monitoring

Lab ID : STK0937027-014
Customer ID : 3-15742

Sampled On : July 30, 2009-11:40
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.8	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:39ACC
1,2-Dichlorobenzene-d4	95.2	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:39ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:39ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:39ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:39ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:39ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-15:39ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-17
Project : Mossdale GW Monitoring

Lab ID : STK0937027-014
Customer ID : 3-15742

Sampled On : July 30, 2009-11:40
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.98			units	1				07/30/09 11:40	4500-H B		07/30/09 11:40

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-17
Project : Mossdale GW Monitoring

Lab ID : STK0937027-014
Customer ID : 3-15742

Sampled On : July 30, 2009-11:40
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:1}												
Boron	1.4	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:23SJM
Calcium	18	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:23SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:23SJM
Magnesium	12	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:23SJM
Manganese	0.04	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:23SJM
Potassium	2	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:23SJM
Sodium	801	5		mg/L	5	f:	200.7	208072	08/04/09 07:05	200.7	209967-IT203	08/04/09-10:46SJM
Wet Chemistry ^{P:14}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208494	08/13/09 11:45	4500NH3G	210472-FI206	08/14/09-06:34AMB
Alkalinity (as CaCO3)	1180	10		mg/L	1	:	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Bicarbonate	1440	10		mg/L	1.000	:	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208115	08/04/09 13:31	WS 51.30	209949-AMB	08/04/09-13:54AMB
Bromide	0.60	0.03		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-05:19CHL
Chloride	240	10		mg/L	10	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-05:34CHL
Nitrate Nitrogen	2.1	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-05:19CHL
Nitrate + Nitrite as N	2.1	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-05:19CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U-b	351.1	208483	08/13/09 10:00	EPA351.2	210502-FI206	08/17/09-04:35AMB
Solids, Total Dissolved (TDS)	1990	10	13	mg/L	1	:b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:21ACC
Sulfate	250	20		mg/L	10	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-05:34CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-19
Project : Mossdale GW Monitoring

Lab ID : STK0937027-015
Customer ID : 3-15742

Sampled On : July 30, 2009-12:45
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.1	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:11ACC
1,2-Dichlorobenzene-d4	88.4	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:11ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:11ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:11ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:11ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:11ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:11ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

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Description : MWM-19
Project : Mossdale GW Monitoring

Lab ID : STK0937027-015
Customer ID : 3-15742

Sampled On : July 30, 2009-12:45
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.97			units	1				07/30/09 12:45	4500-H B		07/30/09 12:45

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

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Davis, CA 95617

Description : MWM-19
Project : Mossdale GW Monitoring

Lab ID : STK0937027-015
Customer ID : 3-15742

Sampled On : July 30, 2009-12:45
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:1}												
Boron	1.4	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:26SJM
Calcium	19	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:26SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:26SJM
Magnesium	28	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:26SJM
Manganese	0.05	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:26SJM
Potassium	3	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:26SJM
Sodium	930	5		mg/L	5	f:	200.7	208072	08/04/09 07:05	200.7	209967-IT203	08/04/09-10:48SJM
Wet Chemistry ^{P:14}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208494	08/13/09 11:45	4500NH3G	210472-FI206	08/14/09-06:37AMB
Alkalinity (as CaCO3)	850	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:52AMB
Bicarbonate	1040	10		mg/L	1.000	:	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:52AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:52AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-17:52AMB
Bromide	2.59	0.03		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:52CHL
Chloride	770	20		mg/L	20	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-08:07CHL
Nitrate Nitrogen	1.1	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:52CHL
Nitrate + Nitrite as N	1.1	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:52CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U-b	351.1	208483	08/13/09 10:00	EPA351.2	210502-FI206	08/17/09-04:36AMB
Solids, Total Dissolved (TDS)	2690	20		mg/L	2.04	-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:23ACC
Sulfate	340	40		mg/L	20	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-08:07CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-20
Project : Mossdale GW Monitoring

Lab ID : STK0937027-016
Customer ID : 3-15742

Sampled On : July 30, 2009-13:35
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.2	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:42ACC
1,2-Dichlorobenzene-d4	82.6	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:42ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:42ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:42ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:42ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:42ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-16:42ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
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Description : MWM-20
Project : Mossdale GW Monitoring

Lab ID : STK0937027-016
Customer ID : 3-15742

Sampled On : July 30, 2009-13:35
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.03			units	1				07/30/09 13:35	4500-H B		07/30/09 13:35

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

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P.O. Box 2401
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Description : MWM-20
Project : Mossdale GW Monitoring

Lab ID : STK0937027-016
Customer ID : 3-15742

Sampled On : July 30, 2009-13:35
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:1}												
Boron	0.7	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:29SJM
Calcium	80	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:29SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:29SJM
Magnesium	80	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:29SJM
Manganese	0.13	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:29SJM
Potassium	1	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:29SJM
Sodium	368	2		mg/L	2	f:	200.7	208072	08/04/09 07:05	200.7	209967-IT203	08/04/09-10:51SJM
Wet Chemistry ^{P:14}												
Ammonia-N	ND	0.1		mg/L	1	Ub:Ub	4500NH3B	208494	08/13/09 11:45	4500NH3G	210472-FI206	08/14/09-06:38AMB
Alkalinity (as CaCO3)	620	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:10AMB
Bicarbonate	760	10		mg/L	1.000	:	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:10AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:10AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:10AMB
Bromide	0.80	0.03		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-08:22CHL
Chloride	340	10		mg/L	10	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-08:38CHL
Nitrate Nitrogen	2.4	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-08:22CHL
Nitrate + Nitrite as N	2.4	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-08:22CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U-b	351.1	208483	08/13/09 10:00	EPA351.2	210502-FI206	08/17/09-04:37AMB
Solids, Total Dissolved (TDS)	1460	10	13	mg/L	1	-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:23ACC
Sulfate	250	20		mg/L	10	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-08:38CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (N/A) Not Applicable COC Only, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, H2SO4 pH < 2, HCl pH < 2

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Analytical Chemists

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937027
Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/07/2009:208301	Blank	ug/L	10.00	90.8 %	70-130	
			BS	ug/L	10.00	87.0 %	70-130	
			BSD	ug/L	10.00	91.8 %	70-130	
			BSRPD	ug/L	10.00	5.4%	≤30	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	95.3 %	70-130	
4-Bromofluorobenzene	524.2	08/07/2009:208301	Blank	ug/L	10.00	99.7 %	70-130	
			BS	ug/L	10.00	96.7 %	70-130	
			BSD	ug/L	10.00	96.3 %	70-130	
			BSRPD	ug/L	10.00	0.3%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/07/2009:210167	CCV	ug/L	10.00	99.9 %	70-130	
Bromodichloromethane	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	103 %	63-134	
			BSD	ug/L	10.00	115 %	63-134	
			BSRPD	ug/L	10.00	11.5%	≤15.6	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	101 %	70-130	
Bromoform	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	82.9 %	55-147	
			BSD	ug/L	10.00	88.2 %	55-147	
			BSRPD	ug/L	10.00	6.3%	≤18.7	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	84.6 %	70-130	
Chloroform	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	92.0 %	57-155	
			BSD	ug/L	10.00	82.7 %	57-155	
			BSRPD	ug/L	10.00	10.7%	≤18.2	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	75.7 %	70-130	
Dibromochloromethane	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	82.8 %	66-128	
			BSD	ug/L	10.00	89.3 %	66-128	
			BSRPD	ug/L	10.00	7.5%	≤22.0	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	83.4 %	70-130	
Definition								
CCV			: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.					
Blank			: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.					
BS			: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSD			: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSRPD			: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.					
ND			: Non-detect - Result was below the DQO listed for the analyte.					
DQO			: Data Quality Objective - This is the criteria against which the quality control data is compared.					

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937027
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/03/2009:208020 (CH 0975740-001)	MS	mg/L	4.000	100 %	75-125	
			MSD	mg/L	4.000	99.9 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	5.000	99.2 %	90-110	
			CCB	ppm		0.040	0.10	
			CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.038	0.10	
Calcium	200.7	08/03/2009:208020 (CH 0975740-001)	MS	mg/L	12.51	83.5 %	75-125	
			MSD	mg/L	12.51	80.4 %	75-125	
			MSRPD	mg/L	799.2	0.6%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	25.02	96.6 %	90-110	
			CCB	ppm		-0.0009	1.0	
			CCV	ppm	25.02	96.1 %	90-110	
			CCB	ppm		0.0008	1.0	
Iron	200.7	08/03/2009:208020 (CH 0975740-001)	MS	ug/L	3992	96.2 %	75-125	
			MSD	ug/L	3992	95.4 %	75-125	
			MSRPD	ug/L	799.2	0.8%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	4.990	96.2 %	90-110	
			CCB	ppm		-0.0053	0.05	
			CCV	ppm	4.990	96.7 %	90-110	
			CCB	ppm		-0.0081	0.05	
Magnesium	200.7	08/03/2009:208020 (CH 0975740-001)	MS	mg/L	12.51	95.9 %	75-125	
			MSD	mg/L	12.51	92.7 %	75-125	
			MSRPD	mg/L	799.2	0.8%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	25.02	96.8 %	90-110	
			CCB	ppm		0.0005	1.0	
			CCV	ppm	25.02	97.8 %	90-110	
			CCB	ppm		0.002	1.0	
Manganese	200.7	08/03/2009:208020 (CH 0975740-001)	MS	ug/L	799.2	96.4 %	75-125	
			MSD	ug/L	799.2	95.9 %	75-125	
			MSRPD	ug/L	799.2	0.5%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	0.9990	95.3 %	90-110	
			CCB	ppm		0.00004	0.01	
			CCV	ppm	0.9990	95.3 %	90-110	
			CCB	ppm		0.00004	0.01	
Potassium	200.7	08/03/2009:208020 (CH 0975740-001)	MS	mg/L	12.50	110 %	75-125	
			MSD	mg/L	12.50	109 %	75-125	
			MSRPD	mg/L	799.2	0.7%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		-0.04	1.0	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		-0.05	1.0	
Sodium	200.7	08/03/2009:208020 (CH 0975740-001)	MS	mg/L	12.50	102 %	75-125	
			MSD	mg/L	12.50	101 %	75-125	
			MSRPD	mg/L	799.2	0.1%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	25.00	94.2 %	90-110	
			CCB	ppm		-0.05	1.0	
			CCV	ppm	25.00	95.6 %	90-110	
			CCB	ppm		-0.01	1.0	
	200.7	08/04/2009:208072 (CH 0975705-003)	MS	mg/L	12.50	106 %	75-125	
			MSD	mg/L	12.50	105 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	08/04/2009:209967	CCV	ppm	25.00	96.1 %	90-110	
			CCB	ppm		-0.06	1.0	
			CCV	ppm	25.00	96.0 %	90-110	

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937027
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	08/04/2009:209967	CCB	ppm		-0.003	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/03/2009:208037	Dup	mg/L		3.5%	3.42	440
	2320B	08/03/2009:209900	CCV	mg/L	234.9	96.9 %	90-110	
			CCV	mg/L	234.9	99.7 %	90-110	
	2320B	08/04/2009:208115	Dup	mg/L		0.5%	3.42	
Bicarbonate	2320B	08/03/2009:208037	Dup	mg/L		3.5%	4.78	
	2320B	08/04/2009:208115	Dup	mg/L		0.5%	4.78	
Carbonate	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
	2320B	08/04/2009:208115	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
	2320B	08/04/2009:208115	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/03/2009:208055	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	101 %	90-110	
			LCS	mg/L	995.0	103 %	90-110	
			Dup	mg/L		2.1%	10.0	
	2540 C	08/04/2009:208113	Blank	mg/L		8.2	20	
			LCS	mg/L	995.0	102 %	90-110	
			LCS	mg/L	995.0	104 %	90-110	
			Dup	mg/L		1.4%	10.0	
Bromide	300.0	07/31/2009:208016 (STK0936872-001)	LCS	mg/L	5.000	99.7 %	90-110	435
			MS	mg/L	100.0	105 %	90-121	
			MSD	mg/L	100.0	107 %	90-121	
			MSRPD	mg/L	100.0	1.9%	≤1.61	
		07/31/2009:208016 (STK0937039-002)	LCS	mg/L	5.000	102 %	90-110	
			MS	mg/L	100.0	108 %	90-121	
			MSD	mg/L	100.0	109 %	90-121	
			MSRPD	mg/L	100.0	0.7%	≤1.61	
	300.0	07/31/2009:209945	CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	104 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	103 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	101 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	102 %	90-110	
Chloride	300.0	07/31/2009:208016 (STK0936872-001)	LCS	mg/L	25.00	99.1 %	90-110	
			MS	mg/L	500.0	103 %	86-128	
			MSD	mg/L	500.0	105 %	86-128	
			MSRPD	mg/L	100.0	1.7%	≤23.0	
		07/31/2009:208016 (STK0937039-002)	LCS	mg/L	25.00	103 %	90-110	
			MS	mg/L	500.0	106 %	86-128	
			MSD	mg/L	500.0	108 %	86-128	
			MSRPD	mg/L	100.0	1.3%	≤23.0	
	300.0	07/31/2009:209945	CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937027
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chloride	300.0	08/01/2009:209945	CCB CCV	ppm ppm	25.00	0.00 102 %	1 90-110	
Nitrate	300.0	07/31/2009:208016 (STK0936872-001)	LCS	mg/L	20.00	99.6 %	90-110	
			MS	mg/L	400.0	104 %	88-124	
			MSD	mg/L	400.0	106 %	88-124	
			MSRPD	mg/L	100.0	1.3 %	≤29.1	
		07/31/2009:209945 (STK0937039-002)	LCS	mg/L	20.00	102 %	90-110	
			MS	mg/L	400.0	107 %	88-124	
			MSD	mg/L	400.0	108 %	88-124	
			MSRPD	mg/L	100.0	0.7 %	≤29.1	
	300.0	07/31/2009:209945	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	101 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	101 %	90-110	
Sulfate	300.0	07/31/2009:208016 (STK0936872-001)	LCS	mg/L	50.00	102 %	90-110	
			MS	mg/L	1000	105 %	78-137	
			MSD	mg/L	1000	106 %	78-137	
			MSRPD	mg/L	100.0	0.7 %	≤12.3	
		07/31/2009:209945 (STK0937039-002)	LCS	mg/L	50.00	105 %	90-110	
			MS	mg/L	1000	107 %	78-137	
			MSD	mg/L	1000	108 %	78-137	
			MSRPD	mg/L	100.0	0.3 %	≤12.3	
	300.0	07/31/2009:209945	CCB	ppm		0.00	2	
			CCV	ppm	50.00	104 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	106 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	106 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	104 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/13/2009:208483 (SP 0907910-003)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	54.2 %	41-148	
			LCS	mg/L	10.00	44.2 %	41-148	
			MS	mg/L	0.4000	65.5 %	25-149	
			MSD	mg/L	0.4000	116 %	25-149	
			MSRPD	mg/L	0.4000	0.20	≤1	
Ammonia Nitrogen	4500NH3B	08/13/2009:208494 (STK0936974-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	68.0 %	63-116	
			MS	mg/L	0.4000	119 %	17-127	
			MSD	mg/L	0.4000	81.8 %	17-127	
	4500NH3G	08/14/2009:210472	MSRPD	mg/L	0.4000	0.15	≤0.2	
			CCB	mg/L		-0.139	0.2	
			CCV	mg/L	2.000	102 %	90-110	
			CCB	mg/L		-0.139	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L		-0.127	0.2	

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937027
 Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Ammonia Nitrogen	4500NH3G	08/14/2009:210472	CCV	mg/L	2.000	103 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/17/2009:210502	CCB	mg/L	2.000	-0.101	0.2	
			CCV	mg/L		97.7 %	90-110	
			CCB	mg/L	0.000	0.2		
			CCV	mg/L	2.000	96.8 %	90-110	
Alkalinity (as CaCO3)	WS 51.30	08/04/2009:209949	CCV	mg/L	234.9	98.8 %	80-120	
Definition								
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.							
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.							
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.							
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.							
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.							
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.							
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.							
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.							
ND	: Non-detect - Result was below the DQO listed for the analyte.							
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.							
Explanation								
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.							
440	: Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.							

ANALYTICAL CHEMISTS
August 5, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0937027:10-16 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 3-15742

System Number :
Project Name : Mossdale GW Monitoring

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937027-010	MWM-27	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 08:35	07/30/2009 12:36 JK	2009-08-02 JK
2	STK0937027-011	MWM-14	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 09:30	07/30/2009 12:28 JK	2009-08-03 JK
3	STK0937027-012	MWM-15	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 10:15	07/30/2009 12:30 JK	2009-08-01 JK
4	STK0937027-013	MWM-16	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 10:55	07/30/2009 12:32 JK	2009-08-03 JK
5	STK0937027-014	MWM-17	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 11:40	07/30/2009 12:34 JK	2009-08-02 JK
6	STK0937027-015	MWM-19	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 12:45	07/30/2009 15:08 LEB	2009-08-01 LEB
7	STK0937027-016	MWM-20	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 13:35	07/30/2009 15:10 LEB	2009-08-01 LEB

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-27	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWM-14	---	---	SM 9221B	MPN/100ml	130	<2	N/R			
3	MWM-15	---	---	SM 9221B	MPN/100ml	23	8	N/R			
4	MWM-16	---	---	SM 9221B	MPN/100ml	2	<2	N/R			
5	MWM-17	---	---	SM 9221B	MPN/100ml	> 1600	500	N/R			
6	MWM-19	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
7	MWM-20	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05



Analytical Chemists
August 18, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937039
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 12 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (6 pages) : Results for each sample submitted.
Quality Control (4 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MWM-39	07/30/2009	07/30/2009	STK0937039-001	LBW
MWM-40	07/30/2009	07/30/2009	STK0937039-002	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/03/2009:209902 All analysis quality controls are within established criteria.
	08/04/2009:209967 All analysis quality controls are within established criteria.
	08/03/2009:208020 All preparation quality controls are within established criteria.
	08/04/2009:208072 All preparation quality controls are within established criteria.

Organic QC

524.2	08/07/2009:210167 All analysis quality controls are within established criteria.
	08/07/2009:208301 All preparation quality controls are within established criteria.

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0937039
Customer : 3-15742

Inorganic - Wet Chemistry QC

2320B	08/03/2009:209900 All analysis quality controls are within established criteria.
	08/03/2009:208037 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO3): 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
2540 C	08/03/2009:208055 All preparation quality controls are within established criteria.
300.0	08/01/2009:209945 All analysis quality controls are within established criteria.
	07/31/2009:208016 All preparation quality controls are within established criteria.
351.1	08/11/2009:208395 All preparation quality controls are within established criteria, except: The following note applies to Nitrogen, Total Kjeldahl:
	435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500NH3B	08/06/2009:208205 All preparation quality controls are within established criteria.
4500NH3G	08/07/2009:210096 All analysis quality controls are within established criteria.
EPA351.2	08/13/2009:210391 All analysis quality controls are within established criteria.

Discussion of Analytical Results: Amended Report

STK0937039-001 MWM-39

Amended to include Sulfate.

STK0937039-002 MWM-40

Amended to include Sulfate.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-19

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-39
Project : QA/QC GWM Samples

Lab ID : STK0937039-001
Customer ID : 3-15742

Sampled On : July 30, 2009-13:45
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	89.3	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:14ACC
1,2-Dichlorobenzene-d4	86.7	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:14ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:14ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:14ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:14ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:14ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:14ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-39
Project : QA/QC GWM Samples

Lab ID : STK0937039-001
Customer ID : 3-15742

Sampled On : July 30, 2009-13:45
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.03			units	1				07/30/09 13:45	4500-H B		07/30/09 13:45

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-39
Project : QA/QC GWM Samples

Lab ID : STK0937039-001
Customer ID : 3-15742

Sampled On : July 30, 2009-13:45
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.7	0.1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:55SJM
Calcium	80	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:55SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:55SJM
Magnesium	79	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:55SJM
Manganese	0.12	0.01		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:55SJM
Potassium	1	1		mg/L	1	f:	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:55SJM
Sodium	362	2		mg/L	2	f:	200.7	208072	08/04/09 07:05	200.7	209967-IT203	08/04/09-10:54SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	E- b:U- b	4500NH3B	208205	08/06/09 09:30	4500NH3G	210096-FI206	08/07/09-05:19AMB
Alkalinity (as CaCO3)	620	10		mg/L	1	:j	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:25AMB
Bicarbonate	760	10		mg/L	1.000	:	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:25AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:25AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:25AMB
Bromide	0.82	0.03		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:22CHL
Chloride	350	10		mg/L	10	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:37CHL
Nitrate Nitrogen	2.5	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:22CHL
Nitrate + Nitrite as N	2.5	0.1		mg/L	1	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:22CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	:Uh	351.1	208395	08/11/09 11:00	EPA351.2	210391-FI206	08/13/09-04:12AMB
Solids, Total Dissolved (TDS)	1500	20		mg/L	1	:-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:14ACC
Sulfate	250	20		mg/L	10	:	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:37CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-40
Project : QA/QC GWM Samples

Lab ID : STK0937039-002
Customer ID : 3-15742

Sampled On : July 30, 2009-14:05
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	113	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:46ACC
1,2-Dichlorobenzene-d4	113	70-130		%	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:46ACC
Bromodichloromethane	0.740	0.5	0.053	ug/L	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:46ACC
Bromoform	1.11	0.5	0.058	ug/L	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:46ACC
Chloroform	3.20	0.5	0.1	ug/L	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:46ACC
Dibromochloromethane	0.466	0.5	0.07	ug/L	1	E:E	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:46ACC
Total Trihalomethanes	5.5	0.5	0.058	ug/L	1	:	524.2	208301	08/07/09 09:19	524.2	210167-GM205	08/07/09-17:46ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 18, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-40
Project : QA/QC GWM Samples

Lab ID : STK0937039-002
Customer ID : 3-15742

Sampled On : July 30, 2009-14:05
Sampled By : Brandon Meyers
Received On : July 30, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	ND	0.1		mg/L	1	Ef:E	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:58SJM
Calcium	ND	1		mg/L	1	Uf:U	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:58SJM
Iron	ND	0.05		mg/L	1	Uf:U	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:58SJM
Magnesium	ND	1		mg/L	1	Uf:U	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:58SJM
Manganese	ND	0.01		mg/L	1	Uf:U	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:58SJM
Potassium	ND	1		mg/L	1	Uf:U	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:58SJM
Sodium	ND	1		mg/L	1	Uf:U	200.7	208020	08/03/09 07:22	200.7	209902-IT203	08/03/09-15:58SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U- b:U- b	4500NH3B	208205	08/06/09 09:30	4500NH3G	210096-FI206	08/07/09-05:20AMB
Alkalinity (as CaCO3)	ND	10		mg/L	1	:Ej	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:39AMB
Bicarbonate	ND	10		mg/L	1.000	:E	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:39AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:39AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208037	08/03/09 10:42	2320B	209900-MT201	08/03/09-18:39AMB
Bromide	ND	0.03		mg/L	1	E:E	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:06CHL
Chloride	ND	1		mg/L	1	E:E	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:06CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:06CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:06CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U:Uh	351.1	208395	08/11/09 11:00	EPA351.2	210391-FI206	08/13/09-04:13AMB
Solids, Total Dissolved (TDS)	ND	20		mg/L	0.56667	:U-b	2540 C	208055	08/03/09 16:11	2540C	209903-WT219	08/04/09-10:15ACC
Sulfate	ND	2		mg/L	1	E:E	300.0	208016	07/31/09 17:20	300.0	209945-IC204	08/01/09-07:06CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0937039
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/07/2009:208301	Blank	ug/L	10.00	90.8 %	70-130	
			BS	ug/L	10.00	87.0 %	70-130	
			BSD	ug/L	10.00	91.8 %	70-130	
			BSRPD	ug/L	10.00	5.4%	≤30	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	95.3 %	70-130	
4-Bromofluorobenzene	524.2	08/07/2009:208301	Blank	ug/L	10.00	99.7 %	70-130	
			BS	ug/L	10.00	96.7 %	70-130	
			BSD	ug/L	10.00	96.3 %	70-130	
			BSRPD	ug/L	10.00	0.3%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/07/2009:210167	CCV	ug/L	10.00	99.9 %	70-130	
Bromodichloromethane	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	103 %	63-134	
			BSD	ug/L	10.00	115 %	63-134	
			BSRPD	ug/L	10.00	11.5%	≤15.6	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	101 %	70-130	
Bromoform	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	82.9 %	55-147	
			BSD	ug/L	10.00	88.2 %	55-147	
			BSRPD	ug/L	10.00	6.3%	≤18.7	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	84.6 %	70-130	
Chloroform	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	92.0 %	57-155	
			BSD	ug/L	10.00	82.7 %	57-155	
			BSRPD	ug/L	10.00	10.7%	≤18.2	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	75.7 %	70-130	
Dibromochloromethane	524.2	08/07/2009:208301	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	82.8 %	66-128	
			BSD	ug/L	10.00	89.3 %	66-128	
			BSRPD	ug/L	10.00	7.5%	≤22.0	
	524.2	08/07/2009:210167	CCV	ug/L	10.00	83.4 %	70-130	
Definition								
CCV			: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.					
Blank			: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.					
BS			: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSD			: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSRPD			: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.					
ND			: Non-detect - Result was below the DQO listed for the analyte.					
DQO			: Data Quality Objective - This is the criteria against which the quality control data is compared.					

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0937039
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/03/2009:208020 (CH 0975773-001)	MS	mg/L	4.000	97.9 %	75-125	
			MSD	mg/L	4.000	98.3 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	08/03/2009:209902	CCV	ppm	5.000	101 %	90-110	
Calcium	200.7	08/03/2009:208020 (CH 0975773-001)	CCB	ppm		0.038	0.10	
			CCV	ppm	5.000	98.9 %	90-110	
			CCB	ppm		0.044	0.10	
	200.7	08/03/2009:209902	CCV	ppm	25.02	96.1 %	90-110	
Iron	200.7	08/03/2009:208020 (CH 0975773-001)	CCB	ppm		0.0008	1.0	
			CCV	ppm	25.02	96.1 %	90-110	
			CCB	ppm		0.004	1.0	
	200.7	08/03/2009:209902	CCV	ppm	4.990	96.7 %	90-110	
Magnesium	200.7	08/03/2009:208020 (CH 0975773-001)	CCB	ppm		-0.0081	0.05	
			CCV	ppm	4.990	96.1 %	90-110	
			CCB	ppm		-0.0045	0.05	
	200.7	08/03/2009:209902	CCV	ppm	12.51	93.5 %	75-125	
Manganese	200.7	08/03/2009:208020 (CH 0975773-001)	MSD	mg/L	12.51	93.2 %	75-125	
			MSRPD	mg/L	799.2	0.2%	≤20.0	
			CCV	ppm	25.02	97.8 %	90-110	
	200.7	08/03/2009:209902	CCB	ppm		0.002	1.0	
Potassium	200.7	08/03/2009:208020 (CH 0975773-001)	CCV	ppm	25.02	96.2 %	90-110	
			CCB	ppm		0.003	1.0	
			CCV	ppm	0.9990	95.3 %	90-110	
	200.7	08/03/2009:209902	CCB	ppm		0.00004	0.01	
Sodium	200.7	08/03/2009:208020 (CH 0975773-001)	CCV	ppm	0.9990	95.1 %	90-110	
			CCB	ppm		0.0001	0.01	
			MS	mg/L	12.50	109 %	75-125	
	200.7	08/03/2009:209902	MSD	mg/L	12.50	107 %	75-125	
Sulfate	200.7	08/03/2009:208020 (CH 0975773-001)	MSRPD	mg/L	799.2	1.2%	≤20.0	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		-0.05	1.0	
	200.7	08/03/2009:209902	CCV	ppm	25.00	99.2 %	90-110	
Nitrate	200.7	08/03/2009:208020 (CH 0975773-001)	CCB	ppm		-0.04	1.0	
			CCV	ppm	12.50	106 %	75-125	
			MSD	mg/L	12.50	102 %	75-125	
	200.7	08/03/2009:209902	MSRPD	mg/L	799.2	0.9%	≤20.0	
Ammonia	200.7	08/03/2009:208020 (CH 0975773-001)	CCV	ppm	25.00	95.6 %	90-110	
			CCB	ppm		-0.01	1.0	
			CCV	ppm	25.00	94.0 %	90-110	
	200.7	08/03/2009:209902	CCB	ppm		0.02	1.0	
Nitrite	200.7	08/04/2009:208072 (CH 0975705-003)	MS	mg/L	12.50	106 %	75-125	
			MSD	mg/L	12.50	105 %	75-125	
			MSRPD	mg/L	799.2	0.4%	≤20.0	
	200.7	08/04/2009:209967	CCV	ppm	25.00	96.1 %	90-110	
Phosphate	200.7	08/04/2009:209967	CCB	ppm		-0.06	1.0	
			CCV	ppm	25.00	96.0 %	90-110	
			CCB	ppm				
	200.7	08/04/2009:209967	CCV	ppm	25.00			

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0937039
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	08/04/2009:209967	CCB	ppm		-0.003	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/03/2009:208037	Dup	mg/L		3.5%	3.42	440
	2320B	08/03/2009:209900	CCV	mg/L	234.9	96.9 %	90-110	
			CCV	mg/L	234.9	99.7 %	90-110	
Bicarbonate	2320B	08/03/2009:208037	Dup	mg/L		3.5%	4.78	
Carbonate	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/03/2009:208037	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/03/2009:208055	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	101 %	90-110	
			LCS	mg/L	995.0	103 %	90-110	
			Dup	mg/L		2.1%	10.0	
Bromide	300.0	07/31/2009:208016 (STK0937039-002)	LCS	mg/L	5.000	102 %	90-110	
			MS	mg/L	100.0	108 %	90-121	
			MSD	mg/L	100.0	109 %	90-121	
			MSRPD	mg/L	100.0	0.7%	≤1.61	
	300.0	08/01/2009:209945	CCB	ppb		0.0	30	
			CCV	ppb	5000	104 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	103 %	90-110	
Chloride	300.0	07/31/2009:208016 (STK0937039-002)	LCS	mg/L	25.00	103 %	90-110	
			MS	mg/L	500.0	106 %	86-128	
			MSD	mg/L	500.0	108 %	86-128	
			MSRPD	mg/L	100.0	1.3%	≤23.0	
	300.0	08/01/2009:209945	CCB	ppm		0.00	1	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	104 %	90-110	
Nitrate	300.0	07/31/2009:208016 (STK0937039-002)	LCS	mg/L	20.00	102 %	90-110	
			MS	mg/L	400.0	107 %	88-124	
			MSD	mg/L	400.0	108 %	88-124	
			MSRPD	mg/L	100.0	0.7%	≤29.1	
	300.0	08/01/2009:209945	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	103 %	90-110	
Sulfate	300.0	07/31/2009:208016 (STK0937039-002)	LCS	mg/L	50.00	105 %	90-110	
			MS	mg/L	1000	107 %	78-137	
			MSD	mg/L	1000	108 %	78-137	
			MSRPD	mg/L	100.0	0.3%	≤12.3	
	300.0	08/01/2009:209945	CCB	ppm		0.00	2	
			CCV	ppm	50.00	106 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	106 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/11/2009:208395 (SP 0907534-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	72.4 %	41-148	
			LCS	mg/L	10.00	75.9 %	41-148	
			MS	mg/L	0.4000	155 %	25-149	435
			MSD	mg/L	0.4000	64.5 %	25-149	
			MSRPD	mg/L	0.4000	0.36	≤1	
Ammonia Nitrogen	4500NH3B	08/06/2009:208205 (SP 0907450-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	95.5 %	63-116	
			MS	mg/L	0.4000	86.0 %	17-127	
			MSD	mg/L	0.4000	60.2 %	17-127	

August 18, 2009
HydroFocus, Inc.

Lab ID : STK0937039
 Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Ammonia Nitrogen	4500NH3B	08/06/2009:208205	MSRPD	mg/L	0.4000	0.10	≤0.2	
	4500NH3G	08/07/2009:210096	CCB	mg/L		-0.045	0.2	
			CCV	mg/L	2.000	99.9 %	90-110	
			CCB	mg/L		-0.044	0.2	
			CCV	mg/L	2.000	100 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/13/2009:210391	CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	95.3 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	98.8 %	90-110	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. 440 : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

ANALYTICAL CHEMISTS

August 5, 2009

HydroFocus, Inc.

Teresa Deverel

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Davis, CA 95617

STK0937039:1-2 COLIFORM BACTERIA ANALYSIS

Customer ID : 3-15742

System Number :

Project Name : QA/QC GWM Samples

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937039-001	MWM-39	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 13:45	07/30/2009 15:12 LEB	2009-08-01 LEB
2	STK0937039-002	MWM-40	Waste-Other	Brandon Meyers	HydroFocus, Inc.	07/30/2009 14:05	07/30/2009 15:14 LEB	2009-08-01 LEB

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-39	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWM-40	---	---	SM 9221B	MPN/100ml	2	2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By**Raquel R. Harvey**Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-05



Analytical Chemists
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937131
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 15 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(9 pages)	: Results for each sample submitted.
Quality Control	(4 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MWM-9	08/03/2009	08/03/2009	STK0937131-006	MW
MWM-11	08/03/2009	08/03/2009	STK0937131-007	MW
MWM-13	08/03/2009	08/03/2009	STK0937131-009	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/05/2009:210024 All analysis quality controls are within established criteria.
	08/06/2009:210263 All analysis quality controls are within established criteria.
	08/05/2009:208132 All preparation quality controls are within established criteria.
	08/06/2009:208191 All preparation quality controls are within established criteria.

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937131
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Organic QC

524.2	08/10/2009:210234 All analysis quality controls are within established criteria.
	08/10/2009:208355 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/06/2009:210092 All analysis quality controls are within established criteria.
	08/08/2009:210194 All analysis quality controls are within established criteria.
	08/06/2009:208192 All preparation quality controls are within established criteria.
	08/08/2009:208306 All preparation quality controls are within established criteria.
2540 C	08/05/2009:208185 All preparation quality controls are within established criteria.
300.0	08/05/2009:210017 All analysis quality controls are within established criteria.
	08/04/2009:208137 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
351.1	08/18/2009:208617 All preparation quality controls are within established criteria.
4500NH3B	08/17/2009:208578 All preparation quality controls are within established criteria.
4500NH3G	08/18/2009:210609 All analysis quality controls are within established criteria.
EPA351.2	08/20/2009:210742 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-27

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-9
Project : Mossdale GW Monitoring

Lab ID : STK0937131-006
Customer ID : 3-15742

Sampled On : August 3, 2009-10:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	83.2	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-08:28ACC
1,2-Dichlorobenzene-d4	72.1	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-08:28ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-08:28ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-08:28ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-08:28ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-08:28ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-08:28ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
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Description : MWM-9
Project : Mossdale GW Monitoring

Lab ID : STK0937131-006
Customer ID : 3-15742

Sampled On : August 3, 2009-10:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.06			units	1			08/03/09 10:55		4500-H B	08/03/09 10:55	

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
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Description : MWM-9
Project : Mossdale GW Monitoring

Lab ID : STK0937131-006
Customer ID : 3-15742

Sampled On : August 3, 2009-10:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:05SJM
Calcium	59	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:05SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:05SJM
Magnesium	21	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:05SJM
Manganese	0.70	0.01		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:05SJM
Potassium	2	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:05SJM
Sodium	137	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:05SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208578	08/17/09 08:00	4500NH3G	210609-FI206	08/18/09-04:39AMB
Alkalinity (as CaCO3)	280	10		mg/L	1	:	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:21AMB
Bicarbonate	340	10		mg/L	1.000	:	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:21AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:21AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208306	08/08/09 06:12	2320B	210194-MT201	08/08/09-10:21AMB
Bromide	0.25	0.03		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:22CHL
Chloride	100	1		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:22CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:22CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:22CHL
Nitrogen, Total Kjeldahl	0.7	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:05AMB
Solids, Total Dissolved (TDS)	550	20		mg/L	1	:b	2540 C	208185	08/05/09 17:05	2540C	210026-WT219	08/06/09-09:36ACC
Sulfate	46	2		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:22CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-11
Project : Mossdale GW Monitoring

Lab ID : STK0937131-007
Customer ID : 3-15742

Sampled On : August 3, 2009-08:45
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.5	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:00ACC
1,2-Dichlorobenzene-d4	87.9	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:00ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:00ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:00ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:00ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:00ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:00ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Lab ID : STK0937131-007
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Sampled On : August 3, 2009-08:45
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.13			units	1				08/03/09 08:45	4500-H B		08/03/09 08:45

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
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Lab ID : STK0937131-007
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Sampled On : August 3, 2009-08:45
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.6	0.1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:08SJM
Calcium	235	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:08SJM
Iron	0.06	0.05		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:08SJM
Magnesium	174	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:08SJM
Manganese	0.46	0.01		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:08SJM
Potassium	5	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:08SJM
Sodium	778	5		mg/L	5	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-17:29SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208578	08/17/09 08:00	4500NH3G	210609-FI206	08/18/09-04:43AMB
Alkalinity (as CaCO3)	500	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:18AMB
Bicarbonate	620	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:18AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:18AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:18AMB
Bromide	3.16	0.03		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:38CHL
Chloride	1490	20		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:53CHL
Nitrate Nitrogen	0.2	0.1		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:38CHL
Nitrate + Nitrite as N	0.2	0.1		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:38CHL
Nitrogen, Total Kjeldahl	0.7	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:06AMB
Solids, Total Dissolved (TDS)	3330	20		mg/L	2.04	:b	2540 C	208185	08/05/09 17:05	2540C	210026-WT219	08/06/09-09:36ACC
Sulfate	310	40		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-02:53CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Visalia, California
TEL: 559-734-9473
FAX: 559-734-8435
Mobile: 559-737-2399

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-13
Project : Mossdale GW Monitoring

Lab ID : STK0937131-009
Customer ID : 3-15742

Sampled On : August 3, 2009-10:10
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	99.6	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:31ACC
1,2-Dichlorobenzene-d4	99.5	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:31ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:31ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:31ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:31ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:31ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-09:31ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

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Teresa Deverel
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Description : MWM-13
Project : Mossdale GW Monitoring

Lab ID : STK0937131-009
Customer ID : 3-15742

Sampled On : August 3, 2009-10:10
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	8.26			units	1				08/03/09 10:10	4500-H B		08/03/09 10:10

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

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Description : MWM-13
Project : Mossdale GW Monitoring

Lab ID : STK0937131-009
Customer ID : 3-15742

Sampled On : August 3, 2009-10:10
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.6	0.1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:11SJM
Calcium	57	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:11SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:11SJM
Magnesium	46	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:11SJM
Manganese	0.09	0.01		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:11SJM
Potassium	2	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:11SJM
Sodium	861	5		mg/L	5	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-17:32SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208578	08/17/09 08:00	4500NH3G	210609-FI206	08/18/09-04:44AMB
Alkalinity (as CaCO3)	660	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:31AMB
Bicarbonate	810	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:31AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:31AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:31AMB
Bromide	2.01	0.03		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-03:09CHL
Chloride	620	10		mg/L	10	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-03:24CHL
Nitrate Nitrogen	3.8	0.1		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-03:09CHL
Nitrate + Nitrite as N	3.8	0.1		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-03:09CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:08AMB
Solids, Total Dissolved (TDS)	2270	20		mg/L	1	:b	2540 C	208185	08/05/09 17:05	2540C	210026-WT219	08/06/09-09:36ACC
Sulfate	400	20		mg/L	10	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-03:24CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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Analytical Chemists

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937131
Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/10/2009:208355	Blank	ug/L	10.00	95.1 %	70-130	
			BS	ug/L	10.00	84.1 %	70-130	
			BSD	ug/L	10.00	89.8 %	70-130	
			BSRPD	ug/L	10.00	6.6%	≤30	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	89.8 %	70-130	
4-Bromofluorobenzene	524.2	08/10/2009:208355	Blank	ug/L	10.00	108 %	70-130	
			BS	ug/L	10.00	93.9 %	70-130	
			BSD	ug/L	10.00	98.3 %	70-130	
			BSRPD	ug/L	10.00	4.6%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/10/2009:210234	CCV	ug/L	10.00	97.2 %	70-130	
Bromodichloromethane	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	115 %	63-134	
			BSD	ug/L	10.00	125 %	63-134	
			BSRPD	ug/L	10.00	8.5%	≤15.6	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	115 %	70-130	
Bromoform	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	90.9 %	55-147	
			BSD	ug/L	10.00	95.4 %	55-147	
			BSRPD	ug/L	10.00	4.9%	≤18.7	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	91.4 %	70-130	
Chloroform	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	88.2 %	57-155	
			BSD	ug/L	10.00	104 %	57-155	
			BSRPD	ug/L	10.00	16.1%	≤18.2	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	92.7 %	70-130	
Dibromochloromethane	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	96.9 %	66-128	
			BSD	ug/L	10.00	96.2 %	66-128	
			BSRPD	ug/L	10.00	0.7%	≤22.0	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	95.6 %	70-130	
Definition								
CCV			: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.					
Blank			: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.					
BS			: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSD			: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSRPD			: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.					
ND			: Non-detect - Result was below the DQO listed for the analyte.					
DQO			: Data Quality Objective - This is the criteria against which the quality control data is compared.					

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937131
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/05/2009:208132 (SP 0907677-001)	MS	mg/L	4.000	95.3 %	75-125	
			MSD	mg/L	4.000	96.8 %	75-125	
			MSRPD	mg/L	799.2	1.5%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	5.000	100 %	90-110	
Calcium	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		0.015	0.10	
			CCV	ppm	5.000	99.1 %	90-110	
			CCB	ppm		0.0008	0.10	
	200.7	08/05/2009:210024	CCV	ppm	25.02	97.1 %	90-110	
Iron	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		0.0009	1.0	
			CCV	ppm	25.02	97.0 %	90-110	
			CCB	ppm		0.0008	1.0	
	200.7	08/05/2009:210024	CCV	ppm	4.990	97.5 %	90-110	
Magnesium	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		-0.0117	0.05	
			CCV	ppm	4.990	98.2 %	90-110	
			CCB	ppm		-0.0164	0.05	
	200.7	08/05/2009:210024	CCV	ppm	12.51	95.5 %	75-125	
Manganese	200.7	08/05/2009:208132 (SP 0907677-001)	MSD	mg/L	12.51	97.1 %	75-125	
			MSRPD	mg/L	799.2	1.6%	≤20.0	
			CCV	ppm	25.02	96.5 %	90-110	
	200.7	08/05/2009:210024	CCB	ppm		0.002	1.0	
Potassium	200.7	08/05/2009:208132 (SP 0907677-001)	CCV	ppm	25.02	96.3 %	90-110	
			CCB	ppm		0.004	1.0	
			CCV	ppm	0.9990	101 %	90-110	
	200.7	08/05/2009:210024	CCB	ppm		0.00006	0.01	
Sodium	200.7	08/05/2009:208132 (SP 0907677-001)	CCV	ppm	0.9990	101 %	90-110	
			CCB	ppm		0.00008	0.01	
			MS	mg/L	12.50	98.9 %	75-125	
	200.7	08/05/2009:210024	MSD	mg/L	12.50	99.6 %	75-125	
Sulfate	200.7	08/05/2009:208132 (SP 0907677-001)	MSRPD	mg/L	799.2	0.7%	≤20.0	
			CCV	ppm	25.00	97.4 %	90-110	
			CCB	ppm		-0.07	1.0	
	200.7	08/05/2009:210024	CCV	ppm	25.00	96.3 %	90-110	
Nitrate	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		-0.08	1.0	
			CCV	ppm	12.50	94.7 %	75-125	
			MSD	mg/L	12.50	96.7 %	75-125	
	200.7	08/05/2009:210024	MSRPD	mg/L	799.2	2.2%	≤20.0	
Ammonia	200.7	08/05/2009:208132 (SP 0907677-001)	CCV	ppm	25.00	96.4 %	90-110	
			CCB	ppm		0.06	1.0	
			CCV	ppm	25.00	94.7 %	90-110	
	200.7	08/05/2009:210024	CCB	ppm		0.03	1.0	
Nitrite	200.7	08/06/2009:208191 (STK0937158-004)	MS	mg/L	12.50	121 %	75-125	
			MSD	mg/L	12.50	115 %	75-125	
			MSRPD	mg/L	799.2	1.5%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	25.00	110 %	90-110	
Phosphate	200.7	08/06/2009:210263	CCB	ppm		-0.46	1.0	
			CCV	ppm	25.00	108 %	90-110	
			CCV	ppm	25.00			
	200.7	08/06/2009:210263	CCV	ppm	25.00			

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937131
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	08/06/2009:210263	CCB	ppm		-0.43	1.0	
Wet Chem								
Alkalinity (as CaCO ₃)	2320B	08/06/2009:208192	Dup	mg/L		0.4%	3.42	
	2320B	08/06/2009:210092	CCV	mg/L	234.9	94.2 %	90-110	
			CCV	mg/L	234.9	95.1 %	90-110	
	2320B	08/08/2009:208306	Dup	mg/L		0.02%	3.42	
	2320B	08/08/2009:210194	CCV	mg/L	234.9	93.8 %	90-110	
			CCV	mg/L	234.9	94.4 %	90-110	
Bicarbonate	2320B	08/06/2009:208192	Dup	mg/L		0.5%	4.78	
	2320B	08/08/2009:208306	Dup	mg/L		0.0%	4.78	
Carbonate	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
	2320B	08/08/2009:208306	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
	2320B	08/08/2009:208306	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/05/2009:208185	Blank	mg/L		6.5	20	
			LCS	mg/L	995.0	106 %	90-110	
			LCS	mg/L	995.0	103 %	90-110	
			Dup	mg/L		1.5%	10.0	
Bromide	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	5.000	90.7 %	90-110	
			MS	mg/L	100.0	99.3 %	90-121	
			MSD	mg/L	100.0	97.1 %	90-121	
			MSRPD	mg/L	100.0	2.3%	≤1.61	435
	300.0	08/05/2009:210017	CCB	ppb		0.0	30	
			CCV	ppb	5000	97.3 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	99.2 %	90-110	
Chloride	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	25.00	96.5 %	90-110	
			MS	mg/L	500.0	103 %	86-128	
			MSD	mg/L	500.0	103 %	86-128	
			MSRPD	mg/L	100.0	0.3%	≤23.0	
	300.0	08/05/2009:210017	CCB	ppm		0.00	1	
			CCV	ppm	25.00	98.9 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
Nitrate	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	20.00	94.0 %	90-110	
			MS	mg/L	400.0	99.1 %	88-124	
			MSD	mg/L	400.0	99.4 %	88-124	
			MSRPD	mg/L	100.0	0.3%	≤29.1	
	300.0	08/05/2009:210017	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	98.5 %	90-110	
Sulfate	300.0	08/04/2009:208137 (VI 0941826-001)	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.9 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	101 %	90-110	
	300.0	08/05/2009:210017	CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/18/2009:208617	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	61.4 %	41-148	
			LCS	mg/L	10.00	82.3 %	41-148	
			MS	mg/L	0.4000	117 %	25-149	

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937131
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.1	(STK0937153-002)	MSD MSRPD	mg/L mg/L	0.4000 0.4000	49.8 % 0.27	25-149 ≤1	
Ammonia Nitrogen	4500NH3B	08/17/2009:208578 (SP 0907664-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	78.5 %	63-116	
			MS	mg/L	0.4000	122 %	17-127	
			MSD	mg/L	0.4000	70.5 %	17-127	
			MSRPD	mg/L	0.4000	15.7%	≤80.2	
	4500NH3G	08/18/2009:210609	CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	101 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	100 %	90-110	
			CCB	mg/L		0.000	0.2	
CCV	mg/L	2.000	100 %	90-110				
Nitrogen, Total Kjeldahl	EPA351.2	08/20/2009:210742	CCB	mg/L		-0.180	0.2	
			CCV	mg/L	2.000	101 %	90-110	
			CCB	mg/L		0.016	0.2	
			CCV	mg/L	2.000	97.8 %	90-110	
Definition								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.								
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.								
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.								
ND : Non-detect - Result was below the DQO listed for the analyte.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation								
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

ANALYTICAL CHEMISTS
September 4, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0937131:6-7, 9 COLIFORM BACTERIA ANALYSIS
Customer ID : 3-15742

System Number :
Project Name : Mossdale GW Monitoring

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937131-006	MWM-9	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 10:55	08/03/2009 13:15 LEB	2009-08-05 LEB
2	STK0937131-007	MWM-11	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 08:45	08/03/2009 13:17 LEB	2009-08-06 LEB
3	STK0937131-009	MWM-13	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 10:10	08/03/2009 13:19 LEB	2009-08-06 LEB

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-9	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWM-11	---	---	SM 9221B	MPN/100ml	4	<2	N/R			
3	MWM-13	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-09-04



Analytical Chemists
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937153
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 15 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (9 pages) : Results for each sample submitted.
Quality Control (4 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MWR-23	08/03/2009	08/03/2009	STK0937153-002	MW
MWR-24	08/03/2009	08/03/2009	STK0937153-003	MW
MWR-25	08/03/2009	08/03/2009	STK0937153-004	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/05/2009:210024 All analysis quality controls are within established criteria.
	08/06/2009:210263 All analysis quality controls are within established criteria.
	08/05/2009:208132 All preparation quality controls are within established criteria.
	08/06/2009:208191 All preparation quality controls are within established criteria.

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937153
Customer : 3-15742

Organic QC

524.2	08/10/2009:210234 All analysis quality controls are within established criteria.
	08/10/2009:208355 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/07/2009:210198 All analysis quality controls are within established criteria.
	08/07/2009:208244 All preparation quality controls are within established criteria.
2540 C	08/05/2009:208185 All preparation quality controls are within established criteria.
300.0	08/05/2009:210017 All analysis quality controls are within established criteria.
	08/04/2009:208137 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
351.1	08/18/2009:208617 All preparation quality controls are within established criteria.
4500NH3B	08/17/2009:208578 All preparation quality controls are within established criteria.
4500NH3G	08/18/2009:210609 All analysis quality controls are within established criteria.
EPA351.2	08/20/2009:210742 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**

 Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-21

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-23
Project : River Islands - South - GWM

Lab ID : STK0937153-002
Customer ID : 3-15742

Sampled On : August 3, 2009-13:10
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	94.3	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:03ACC
1,2-Dichlorobenzene-d4	85.5	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:03ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:03ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:03ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:03ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:03ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:03ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-23
Project : River Islands - South - GWM

Lab ID : STK0937153-002
Customer ID : 3-15742

Sampled On : August 3, 2009-13:10
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.86			units	1				08/03/09 13:10	4500-H B		08/03/09 13:10

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-23
Project : River Islands - South - GWM

Lab ID : STK0937153-002
Customer ID : 3-15742

Sampled On : August 3, 2009-13:10
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.4	0.1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:25SJM
Calcium	254	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:25SJM
Iron	0.07	0.05		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:25SJM
Magnesium	147	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:25SJM
Manganese	1.13	0.01		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:25SJM
Potassium	2	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:25SJM
Sodium	452	2		mg/L	2	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-17:34SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208578	08/17/09 10:00	4500NH3G	210609-FI206	08/18/09-05:04AMB
Alkalinity (as CaCO ₃)	190	10		mg/L	1	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:18AMB
Bicarbonate	230	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:18AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:18AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:18AMB
Bromide	2.26	0.03		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:13CHL
Chloride	960	20		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:28CHL
Nitrate Nitrogen	13.4	0.1		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:13CHL
Nitrate + Nitrite as N	13.5	0.1		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:13CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:09AMB
Solids, Total Dissolved (TDS)	2610	20		mg/L	2.04	:b	2540 C	208185	08/05/09 17:05	2540C	210026-WT219	08/06/09-09:25ACC
Sulfate	650	40		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:28CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H₂SO₄ pH < 2, HNO₃ pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-24
Project : River Islands - South - GWM

Lab ID : STK0937153-003
Customer ID : 3-15742

Sampled On : August 3, 2009-13:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.6	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:35ACC
1,2-Dichlorobenzene-d4	88.0	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:35ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:35ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:35ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:35ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:35ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-10:35ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

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Description : MWR-24
Project : River Islands - South - GWM

Lab ID : STK0937153-003
Customer ID : 3-15742

Sampled On : August 3, 2009-13:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.81			units	1				08/03/09 13:55	4500-H B		08/03/09 13:55

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

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Description : MWR-24
Project : River Islands - South - GWM

Lab ID : STK0937153-003
Customer ID : 3-15742

Sampled On : August 3, 2009-13:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:28SJM
Calcium	635	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:28SJM
Iron	50.0	0.05		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:28SJM
Magnesium	288	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:28SJM
Manganese	19.7	0.01		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:28SJM
Potassium	7	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:28SJM
Sodium	713	5		mg/L	5	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-17:37SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	E:E	4500NH3B	208578	08/17/09 10:00	4500NH3G	210609-FI206	08/18/09-05:05AMB
Alkalinity (as CaCO ₃)	180	10		mg/L	1	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:26AMB
Bicarbonate	220	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:26AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:26AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:26AMB
Bromide	5.05	0.03		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:44CHL
Chloride	2060	20		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:59CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:44CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:44CHL
Nitrogen, Total Kjeldahl	0.8	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:10AMB
Solids, Total Dissolved (TDS)	3830	20		mg/L	2.04	:b	2540 C	208185	08/05/09 17:05	2540C	210026-WT219	08/06/09-09:26ACC
Sulfate	1210	40		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-06:59CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H₂SO₄ pH < 2, HNO₃ pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-25
Project : River Islands - South - GWM

Lab ID : STK0937153-004
Customer ID : 3-15742

Sampled On : August 3, 2009-12:30
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.8	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-11:07ACC
1,2-Dichlorobenzene-d4	86.2	70-130		%	1	:	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-11:07ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-11:07ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-11:07ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-11:07ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-11:07ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208355	08/10/09 06:12	524.2	210234-GM205	08/10/09-11:07ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
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Description : MWR-25
Project : River Islands - South - GWM

Lab ID : STK0937153-004
Customer ID : 3-15742

Sampled On : August 3, 2009-12:30
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.54			units	1				08/03/09 12:30	4500-H B		08/03/09 12:30

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

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Description : MWR-25
Project : River Islands - South - GWM

Lab ID : STK0937153-004
Customer ID : 3-15742

Sampled On : August 3, 2009-12:30
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:32SJM
Calcium	187	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:32SJM
Iron	2.72	0.05		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:32SJM
Magnesium	94	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:32SJM
Manganese	11.0	0.01		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:32SJM
Potassium	3	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:32SJM
Sodium	280	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:32SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1	0.049	mg/L	1	U:U	4500NH3B	208578	08/17/09 10:00	4500NH3G	210609-FI206	08/18/09-05:06AMB
Alkalinity (as CaCO3)	150	10		mg/L	1	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:34AMB
Bicarbonate	190	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:34AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:34AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:34AMB
Bromide	1.87	0.1	0.011	mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-07:45CHL
Chloride	770	10		mg/L	10	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-08:01CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-07:45CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-07:45CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:11AMB
Solids, Total Dissolved (TDS)	2600	20		mg/L	1	:b	2540 C	208185	08/05/09 17:05	2540C	210026-WT219	08/06/09-09:38ACC
Sulfate	274	10	0.24	mg/L	10	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-08:01CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937153
Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/10/2009:208355	Blank	ug/L	10.00	95.1 %	70-130	
			BS	ug/L	10.00	84.1 %	70-130	
			BSD	ug/L	10.00	89.8 %	70-130	
			BSRPD	ug/L	10.00	6.6%	≤30	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	89.8 %	70-130	
4-Bromofluorobenzene	524.2	08/10/2009:208355	Blank	ug/L	10.00	108 %	70-130	
			BS	ug/L	10.00	93.9 %	70-130	
			BSD	ug/L	10.00	98.3 %	70-130	
			BSRPD	ug/L	10.00	4.6%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/10/2009:210234	CCV	ug/L	10.00	97.2 %	70-130	
Bromodichloromethane	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	115 %	63-134	
			BSD	ug/L	10.00	125 %	63-134	
			BSRPD	ug/L	10.00	8.5%	≤15.6	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	115 %	70-130	
Bromoform	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	90.9 %	55-147	
			BSD	ug/L	10.00	95.4 %	55-147	
			BSRPD	ug/L	10.00	4.9%	≤18.7	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	91.4 %	70-130	
Chloroform	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	88.2 %	57-155	
			BSD	ug/L	10.00	104 %	57-155	
			BSRPD	ug/L	10.00	16.1%	≤18.2	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	92.7 %	70-130	
Dibromochloromethane	524.2	08/10/2009:208355	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	96.9 %	66-128	
			BSD	ug/L	10.00	96.2 %	66-128	
			BSRPD	ug/L	10.00	0.7%	≤22.0	
	524.2	08/10/2009:210234	CCV	ug/L	10.00	95.6 %	70-130	
Definition								
CCV			: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.					
Blank			: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.					
BS			: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSD			: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.					
BSRPD			: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.					
ND			: Non-detect - Result was below the DQO listed for the analyte.					
DQO			: Data Quality Objective - This is the criteria against which the quality control data is compared.					

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937153
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/05/2009:208132 (SP 0907677-001)	MS	mg/L	4.000	95.3 %	75-125	
			MSD	mg/L	4.000	96.8 %	75-125	
			MSRPD	mg/L	799.2	1.5%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	5.000	99.1 %	90-110	
Calcium	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		0.0008	0.10	
			CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		-0.0003	0.10	
	200.7	08/05/2009:210024	CCV	ppm	25.02	97.0 %	90-110	
Iron	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		0.0008	1.0	
			CCV	ppm	25.02	102 %	90-110	
			CCB	ppm		0.008	1.0	
	200.7	08/05/2009:210024	CCV	ppm	4.990	98.2 %	90-110	
Magnesium	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		-0.0164	0.05	
			CCV	ppm	4.990	102 %	90-110	
			CCB	ppm		0.0132	0.05	
	200.7	08/05/2009:210024	CCV	ppm	12.51	95.5 %	75-125	
Manganese	200.7	08/05/2009:208132 (SP 0907677-001)	MSD	mg/L	12.51	97.1 %	75-125	
			MSRPD	mg/L	799.2	1.6%	≤20.0	
			CCV	ppm	25.02	96.3 %	90-110	
	200.7	08/05/2009:210024	CCB	ppm		0.004	1.0	
Potassium	200.7	08/05/2009:208132 (SP 0907677-001)	CCV	ppm	25.02	98.6 %	90-110	
			CCB	ppm		0.003	1.0	
			CCV	ppm	0.9990	101 %	90-110	
	200.7	08/05/2009:210024	CCB	ppm		0.00008	0.01	
Sodium	200.7	08/05/2009:208132 (SP 0907677-001)	CCV	ppm	0.9990	105 %	90-110	
			CCB	ppm		0.0002	0.01	
			MS	mg/L	12.50	98.9 %	75-125	
	200.7	08/05/2009:210024	MSD	mg/L	12.50	99.6 %	75-125	
Sulfate	200.7	08/05/2009:208132 (SP 0907677-001)	MSRPD	mg/L	799.2	0.7%	≤20.0	
			CCV	ppm	25.00	96.3 %	90-110	
			CCB	ppm		-0.08	1.0	
	200.7	08/05/2009:210024	CCV	ppm	25.00	102 %	90-110	
Nitrate	200.7	08/05/2009:208132 (SP 0907677-001)	CCB	ppm		0.06	1.0	
			CCV	ppm	12.50	94.7 %	75-125	
			MSD	mg/L	12.50	96.7 %	75-125	
	200.7	08/05/2009:210024	MSRPD	mg/L	799.2	2.2%	≤20.0	
Ammonia	200.7	08/05/2009:208132 (SP 0907677-001)	CCV	ppm	25.00	94.7 %	90-110	
			CCB	ppm		0.03	1.0	
			CCV	ppm	25.00	98.9 %	90-110	
	200.7	08/05/2009:210024	CCB	ppm		0.006	1.0	
Nitrite	200.7	08/06/2009:208191 (STK0937158-004)	MS	mg/L	12.50	121 %	75-125	
			MSD	mg/L	12.50	115 %	75-125	
			MSRPD	mg/L	799.2	1.5%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	25.00	110 %	90-110	
Phosphate	200.7	08/06/2009:210263	CCB	ppm		-0.46	1.0	
			CCV	ppm	25.00	108 %	90-110	
			CCV	ppm	25.00			
	200.7	08/06/2009:210263	CCV	ppm	25.00			

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937153
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	08/06/2009:210263	CCB	ppm		-0.43	1.0	
Wet Chem								
Alkalinity (as CaCO ₃)	2320B	08/07/2009:208244	Dup	mg/L		0.4%	3.42	
	2320B	08/07/2009:210198	CCV	mg/L	234.9	94.3 %	90-110	
			CCV	mg/L	234.9	100 %	90-110	
Bicarbonate	2320B	08/07/2009:208244	Dup	mg/L		0.4%	4.78	
Carbonate	2320B	08/07/2009:208244	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/07/2009:208244	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/05/2009:208185	Blank	mg/L		6.5	20	
			LCS	mg/L	995.0	106 %	90-110	
			LCS	mg/L	995.0	103 %	90-110	
			Dup	mg/L		1.5%	10.0	
Bromide	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	5.000	90.7 %	90-110	
			MS	mg/L	100.0	99.3 %	90-121	
			MSD	mg/L	100.0	97.1 %	90-121	
			MSRPD	mg/L	100.0	2.3%	≤1.61	435
	300.0	08/05/2009:210017	CCB	ppb		0.0	30	
			CCV	ppb	5000	99.2 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	98.3 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	97.9 %	90-110	
Chloride	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	25.00	96.5 %	90-110	
			MS	mg/L	500.0	103 %	86-128	
			MSD	mg/L	500.0	103 %	86-128	
			MSRPD	mg/L	100.0	0.3%	≤23.0	
	300.0	08/05/2009:210017	CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
Nitrate	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	20.00	94.0 %	90-110	
			MS	mg/L	400.0	99.1 %	88-124	
			MSD	mg/L	400.0	99.4 %	88-124	
			MSRPD	mg/L	100.0	0.3%	≤29.1	
	300.0	08/05/2009:210017	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.9 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.8 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	100 %	90-110	
Sulfate	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	50.00	98.3 %	90-110	
			MS	mg/L	1000	102 %	78-137	
			MSD	mg/L	1000	102 %	78-137	
			MSRPD	mg/L	100.0	0.7%	≤12.3	
	300.0	08/05/2009:210017	CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/18/2009:208617	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	61.4 %	41-148	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937153
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note	
Wet Chem									
Nitrogen, Total Kjeldahl	351.1	08/18/2009:208617 (STK0937153-002)	LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L	10.00 0.4000 0.4000 0.4000	82.3 % 117 % 49.8 % 0.27	41-148 25-149 25-149 ≤1		
Ammonia Nitrogen	4500NH3B	08/17/2009:208578 (SP 0907676-002)	Blank	mg/L		ND	<0.2		
			LCS	mg/L	10.00	71.7 %	63-116		
			MS	mg/L	0.4000	79.0 %	17-127		
			MSD	mg/L	0.4000	32.8 %	17-127		
	4500NH3G	08/18/2009:210609	MSRPD	mg/L	0.4000	0.18	≤0.2		
			CCB	mg/L		0.000	0.2		
			CCV	mg/L	2.000	100 %	90-110		
			CCB	mg/L		0.000	0.2		
Nitrogen, Total Kjeldahl	EPA351.2	08/20/2009:210742	CCV	mg/L	2.000	99.4 %	90-110		
			CCB	mg/L		-0.180	0.2		
			CCV	mg/L	2.000	101 %	90-110		
			CCB	mg/L		0.016	0.2		
			CCV	mg/L	2.000	97.8 %	90-110		
Definition									
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.									
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.									
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.									
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.									
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.									
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.									
Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.									
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.									
ND : Non-detect - Result was below the DQO listed for the analyte.									
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.									
Explanation									
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.									

ANALYTICAL CHEMISTS
August 11, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0937153:2-4 COLIFORM BACTERIA ANALYSIS
Customer ID : 3-15742

System Number :
Project Name : River Islands - South - GWM

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937153-002	MWR-23	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 13:10	08/03/2009 15:28 CTH	2009-08-05 CTH
2	STK0937153-003	MWR-24	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 13:55	08/03/2009 15:30 CTH	2009-08-06 CTH
3	STK0937153-004	MWR-25	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 12:30	08/03/2009 15:32 CTH	2009-08-05 CTH

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWR-23	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWR-24	---	---	SM 9221B	MPN/100ml	11	<2	N/R			
3	MWR-25	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-11



Analytical Chemists
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937155
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 15 pages divided into 3 sections:

Case Narrative (3 pages) : An overview of the work performed at FGL.
Sample Results (6 pages) : Results for each sample submitted.
Quality Control (6 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	08/03/2009	08/03/2009	STK0937155-000	LBW
MWM-41	08/03/2009	08/03/2009	STK0937155-001	LBW
MWM-42	08/03/2009	08/03/2009	STK0937155-002	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/05/2009:210024 All analysis quality controls are within established criteria.
	08/06/2009:210263 All analysis quality controls are within established criteria.
	08/05/2009:208132 All preparation quality controls are within established criteria.
	08/06/2009:208191 All preparation quality controls are within established criteria.

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937155
Customer : 3-15742

Organic QC

524.2	08/12/2009:210331 All analysis quality controls are within established criteria.
	08/14/2009:210537 All analysis quality controls are within established criteria.
	08/12/2009:208427 All preparation quality controls are within established criteria.
	08/14/2009:208509 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/06/2009:210092 All analysis quality controls are within established criteria.
	08/07/2009:210198 All analysis quality controls are within established criteria.
	08/06/2009:208192 All preparation quality controls are within established criteria.
	08/07/2009:208244 All preparation quality controls are within established criteria.
2540 C	08/05/2009:208185 All preparation quality controls are within established criteria.
300.0	08/05/2009:210017 All analysis quality controls are within established criteria.
	08/05/2009:210031 All analysis quality controls are within established criteria.
	08/04/2009:208137 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	08/05/2009:208194 All preparation quality controls are within established criteria, except: The following note applies to Bromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
351.1	08/18/2009:208617 All preparation quality controls are within established criteria.
4500NH3B	08/17/2009:208578 All preparation quality controls are within established criteria.
4500NH3G	08/18/2009:210609 All analysis quality controls are within established criteria.
EPA351.2	08/20/2009:210742 All analysis quality controls are within established criteria.

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937155
Customer : 3-15742

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-21

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : Travel Blank
Project : QA/QC GWM Samples

Lab ID : STK0937155-000
Customer ID : 3-15742

Sampled On : August 3, 2009-08:20
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	93.3	70-130		%	1	:	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-10:13ACC
1,2-Dichlorobenzene-d4	86.5	70-130		%	1	:	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-10:13ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-10:13ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-10:13ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-10:13ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-10:13ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-10:13ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-41
Project : QA/QC GWM Samples

Lab ID : STK0937155-001
Customer ID : 3-15742

Sampled On : August 3, 2009-14:05
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	93.8	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-12:53ACC
1,2-Dichlorobenzene-d4	90.6	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-12:53ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-12:53ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-12:53ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-12:53ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-12:53ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-12:53ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-41
Project : QA/QC GWM Samples

Lab ID : STK0937155-001
Customer ID : 3-15742

Sampled On : August 3, 2009-14:05
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.81			units	1				08/03/09 14:05	4500-H B		08/03/09 14:05

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-41
Project : QA/QC GWM Samples

Lab ID : STK0937155-001
Customer ID : 3-15742

Sampled On : August 3, 2009-14:05
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Lab. Blank Water

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:36SJM
Calcium	644	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:36SJM
Iron	50.1	0.05		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:36SJM
Magnesium	284	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:36SJM
Manganese	20.1	0.01		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:36SJM
Potassium	7	1		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:36SJM
Sodium	709	5		mg/L	5	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-17:40SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	E:U	4500NH3B	208578	08/17/09 08:00	4500NH3G	210609-FI206	08/18/09-04:45AMB
Alkalinity (as CaCO3)	180	10		mg/L	1	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:42AMB
Bicarbonate	220	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:42AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:42AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-14:42AMB
Bromide	4.77	0.03		mg/L	1	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-08:16CHL
Chloride	2120	20		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-08:31CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-08:16CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-08:16CHL
Nitrogen, Total Kjeldahl	0.8	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:12AMB
Solids, Total Dissolved (TDS)	5350	20		mg/L	2.04	:b	2540 C	208185	08/05/09 17:05	2540C	210026-WT219	08/06/09-09:26ACC
Sulfate	1230	40		mg/L	20	:	300.0	208137	08/04/09 16:00	300.0	210017-IC204	08/05/09-08:31CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-42
Project : QA/QC GWM Samples

Lab ID : STK0937155-002
Customer ID : 3-15742

Sampled On : August 3, 2009-14:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	98.4	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-13:24ACC
1,2-Dichlorobenzene-d4	91.2	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-13:24ACC
Bromodichloromethane	0.869	0.5	0.053	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-13:24ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-13:24ACC
Chloroform	3.12	0.5	0.1	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-13:24ACC
Dibromochloromethane	0.603	0.5	0.07	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-13:24ACC
Total Trihalomethanes	4.6	0.5	0.058	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-13:24ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-42
Project : QA/QC GWM Samples

Lab ID : STK0937155-002
Customer ID : 3-15742

Sampled On : August 3, 2009-14:55
Sampled By : Brandon Meyers
Received On : August 3, 2009-15:05
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	ND	0.1		mg/L	1	Uf:U	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:41SJM
Calcium	ND	1		mg/L	1	Ef:E	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:41SJM
Iron	0.05	0.05		mg/L	1	f:	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:41SJM
Magnesium	ND	1		mg/L	1	Uf:U	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:41SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:41SJM
Potassium	ND	1		mg/L	1	Ef:E	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:41SJM
Sodium	ND	1		mg/L	1	Uf:U	200.7	208132	08/05/09 08:05	200.7	210024-IT203	08/05/09-15:41SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208578	08/17/09 08:00	4500NH3G	210609-FI206	08/18/09-04:46AMB
Alkalinity (as CaCO3)	ND	10		mg/L	1	:E	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:55AMB
Bicarbonate	ND	10		mg/L	1.000	:E	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:55AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:55AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-11:55AMB
Bromide	ND	0.03		mg/L	1	U:U	300.0	208194	08/05/09 09:30	300.0	210031-IC204	08/05/09-11:05CHL
Chloride	ND	1		mg/L	1	E:E	300.0	208194	08/05/09 09:30	300.0	210031-IC204	08/05/09-11:05CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208194	08/05/09 09:30	300.0	210031-IC204	08/05/09-11:05CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208194	08/05/09 09:30	300.0	210031-IC204	08/05/09-11:05CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U	351.1	208617	08/18/09 09:00	EPA351.2	210742-FI206	08/20/09-05:17AMB
Solids, Total Dissolved (TDS)	ND	20		mg/L	0.56667	:Ub	2540 C	208185	08/05/09 17:38	2540C	210026-WT219	08/06/09-09:38ACC
Sulfate	ND	2		mg/L	1	U:U	300.0	208194	08/05/09 09:30	300.0	210031-IC204	08/05/09-11:05CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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Analytical Chemists

August 21, 2009
 HydroFocus, Inc.

Lab ID : STK0937155
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 1,2-Dichlorobenzene-d4	524.2	08/12/2009:208427	Blank	ug/L	10.00	92.5 %	70-130	
			BS	ug/L	10.00	88.0 %	70-130	
			BSD	ug/L	10.00	92.0 %	70-130	
			BSRPD	ug/L	10.00	4.5%	≤30	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	96.7 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L	10.00	98.3 %	70-130	
			BS	ug/L	10.00	89.3 %	70-130	
			BSD	ug/L	10.00	89.6 %	70-130	
			BSRPD	ug/L	10.00	0.3%	≤30	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	107 %	70-130	
4-Bromofluorobenzene	524.2	08/12/2009:208427	Blank	ug/L	10.00	94.3 %	70-130	
			BS	ug/L	10.00	95.2 %	70-130	
			BSD	ug/L	10.00	90.9 %	70-130	
			BSRPD	ug/L	10.00	4.6%	≤30	
	524.2	08/14/2009:208509	Blank	ug/L	10.00	101 %	70-130	
			BS	ug/L	10.00	97.8 %	70-130	
			BSD	ug/L	10.00	94.9 %	70-130	
			BSRPD	ug/L	10.00	3.0%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/12/2009:210331	CCV	ug/L	10.00	97.8 %	70-130	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	104 %	70-130	
Bromodichloromethane	524.2	08/12/2009:208427	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	115 %	63-134	
			BSD	ug/L	10.00	123 %	63-134	
			BSRPD	ug/L	10.00	6.9%	≤15.6	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	126 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	134 %	63-134	
			BSD	ug/L	10.00	132 %	63-134	
			BSRPD	ug/L	10.00	1.8%	≤15.6	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	129 %	70-130	
Bromoform	524.2	08/12/2009:208427	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	89.9 %	55-147	
			BSD	ug/L	10.00	90.6 %	55-147	
			BSRPD	ug/L	10.00	0.7%	≤18.7	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	98.9 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	99.5 %	55-147	
			BSD	ug/L	10.00	102 %	55-147	
			BSRPD	ug/L	10.00	2.8%	≤18.7	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	100 %	70-130	
Chloroform	524.2	08/12/2009:208427	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	86.1 %	57-155	
			BSD	ug/L	10.00	92.1 %	57-155	
			BSRPD	ug/L	10.00	6.7%	≤18.2	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	103 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	94.7 %	57-155	
			BSD	ug/L	10.00	112 %	57-155	
			BSRPD	ug/L	10.00	16.5%	≤18.2	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	106 %	70-130	
Dibromochloromethane	524.2	08/12/2009:208427	Blank	ug/L	10.00	ND	<0.5	
			BS	ug/L	10.00	93.0 %	66-128	
			BSD	ug/L	10.00	94.7 %	66-128	
			BSRPD	ug/L	10.00	1.8%	≤22.0	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	101 %	70-130	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937155
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Dibromochloromethane	524.2	08/14/2009:208509	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	101 %	66-128	
			BSD	ug/L	10.00	104 %	66-128	
			BSRPD	ug/L	10.00	3.4%	≤22.0	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	103 %	70-130	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937155
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/05/2009:208132 (SP 0907677-001)	MS	mg/L	4.000	95.3 %	75-125	
			MSD	mg/L	4.000	96.8 %	75-125	
			MSRPD	mg/L	799.2	1.5%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	5.000	99.1 %	90-110	
			CCB	ppm		0.0008	0.10	
			CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		-0.0003	0.10	
Calcium	200.7	08/05/2009:208132 (SP 0907677-001)	MS	mg/L	12.51	95.5 %	75-125	
			MSD	mg/L	12.51	97.0 %	75-125	
			MSRPD	mg/L	799.2	1.6%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	25.02	97.0 %	90-110	
			CCB	ppm		0.0008	1.0	
			CCV	ppm	25.02	102 %	90-110	
			CCB	ppm		0.008	1.0	
Iron	200.7	08/05/2009:208132 (SP 0907677-001)	MS	ug/L	3992	93.9 %	75-125	
			MSD	ug/L	3992	95.1 %	75-125	
			MSRPD	ug/L	799.2	1.3%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	4.990	98.2 %	90-110	
			CCB	ppm		-0.0164	0.05	
			CCV	ppm	4.990	102 %	90-110	
			CCB	ppm		0.0132	0.05	
Magnesium	200.7	08/05/2009:208132 (SP 0907677-001)	MS	mg/L	12.51	95.5 %	75-125	
			MSD	mg/L	12.51	97.1 %	75-125	
			MSRPD	mg/L	799.2	1.6%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	25.02	96.3 %	90-110	
			CCB	ppm		0.004	1.0	
			CCV	ppm	25.02	98.6 %	90-110	
			CCB	ppm		0.003	1.0	
Manganese	200.7	08/05/2009:208132 (SP 0907677-001)	MS	ug/L	799.2	97.9 %	75-125	
			MSD	ug/L	799.2	99.5 %	75-125	
			MSRPD	ug/L	799.2	1.6%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	0.9990	101 %	90-110	
			CCB	ppm		0.00008	0.01	
			CCV	ppm	0.9990	105 %	90-110	
			CCB	ppm		0.0002	0.01	
Potassium	200.7	08/05/2009:208132 (SP 0907677-001)	MS	mg/L	12.50	98.9 %	75-125	
			MSD	mg/L	12.50	99.6 %	75-125	
			MSRPD	mg/L	799.2	0.7%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	25.00	96.3 %	90-110	
			CCB	ppm		-0.08	1.0	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.06	1.0	
Sodium	200.7	08/05/2009:208132 (SP 0907677-001)	MS	mg/L	12.50	94.7 %	75-125	
			MSD	mg/L	12.50	96.7 %	75-125	
			MSRPD	mg/L	799.2	2.2%	≤20.0	
	200.7	08/05/2009:210024	CCV	ppm	25.00	94.7 %	90-110	
			CCB	ppm		0.03	1.0	
			CCV	ppm	25.00	98.9 %	90-110	
			CCB	ppm		0.006	1.0	
	200.7	08/06/2009:208191 (STK0937158-004)	MS	mg/L	12.50	121 %	75-125	
			MSD	mg/L	12.50	115 %	75-125	
			MSRPD	mg/L	799.2	1.5%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	25.00	110 %	90-110	
			CCB	ppm		-0.46	1.0	
			CCV	ppm	25.00	108 %	90-110	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937155
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	08/06/2009:210263	CCB	ppm		-0.43	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/06/2009:208192	Dup	mg/L		0.4%	3.42	
	2320B	08/06/2009:210092	CCV	mg/L	234.9	94.2 %	90-110	
			CCV	mg/L	234.9	95.1 %	90-110	
	2320B	08/07/2009:208244	Dup	mg/L		0.4%	3.42	
	2320B	08/07/2009:210198	CCV	mg/L	234.9	94.3 %	90-110	
			CCV	mg/L	234.9	100 %	90-110	
Bicarbonate	2320B	08/06/2009:208192	Dup	mg/L		0.5%	4.78	
	2320B	08/07/2009:208244	Dup	mg/L		0.4%	4.78	
Carbonate	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
	2320B	08/07/2009:208244	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
	2320B	08/07/2009:208244	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/05/2009:208185	Blank	mg/L		6.5	20	
			LCS	mg/L	995.0	106 %	90-110	
			LCS	mg/L	995.0	103 %	90-110	
			Dup	mg/L		1.5%	10.0	
			Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	103 %	90-110	
			LCS	mg/L	995.0	103 %	90-110	
			Dup	mg/L		0.04%	10.0	
Bromide	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	5.000	90.7 %	90-110	
			MS	mg/L	100.0	99.3 %	90-121	
			MSD	mg/L	100.0	97.1 %	90-121	
			MSRPD	mg/L	100.0	2.3%	≤1.61	435
	300.0	08/05/2009:208194 (STK0937156-001)	LCS	mg/L	5.000	94.6 %	90-110	
			MS	mg/L	100.0	102 %	90-121	
			MSD	mg/L	100.0	98.3 %	90-121	
			MSRPD	mg/L	100.0	4.0%	≤1.61	435
	300.0	08/05/2009:210017	CCB	ppb		0.0	30	
			CCV	ppb	5000	98.3 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	97.9 %	90-110	
	300.0	08/05/2009:210031	ICV	ppb	10000	95.2 %	90-110	
			ICB	ppb		0.0	30	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	96.1 %	90-110	
Chloride	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	25.00	96.5 %	90-110	
			MS	mg/L	500.0	103 %	86-128	
			MSD	mg/L	500.0	103 %	86-128	
			MSRPD	mg/L	100.0	0.3%	≤23.0	
	300.0	08/05/2009:208194 (STK0937156-001)	LCS	mg/L	25.00	98.0 %	90-110	
			MS	mg/L	500.0	104 %	86-128	
			MSD	mg/L	500.0	99.8 %	86-128	
			MSRPD	mg/L	100.0	3.9%	≤23.0	
	300.0	08/05/2009:210017	CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	102 %	90-110	
	300.0	08/05/2009:210031	ICV	ppm	50.00	97.6 %	90-110	
			ICB	ppm		0.00	1	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	97.7 %	90-110	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937155
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Nitrate	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	20.00	94.0 %	90-110	
			MS	mg/L	400.0	99.1 %	88-124	
			MSD	mg/L	400.0	99.4 %	88-124	
			MSRPD	mg/L	100.0	0.3%	≤29.1	
	300.0	08/05/2009:208194 (STK0937156-001)	LCS	mg/L	20.00	97.6 %	90-110	
			MS	mg/L	400.0	103 %	88-124	
			MSD	mg/L	400.0	99.8 %	88-124	
			MSRPD	mg/L	100.0	3.3%	≤29.1	
	300.0	08/05/2009:210017	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.8 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	100 %	90-110	
	300.0	08/05/2009:210031	ICV	ppm	40.00	97.0 %	90-110	
			ICB	ppm		0.000	0.4	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	97.1 %	90-110	
Sulfate	300.0	08/04/2009:208137 (VI 0941826-001)	LCS	mg/L	50.00	98.3 %	90-110	
			MS	mg/L	1000	102 %	78-137	
			MSD	mg/L	1000	102 %	78-137	
			MSRPD	mg/L	100.0	0.7%	≤12.3	
	300.0	08/05/2009:208194 (STK0937156-001)	LCS	mg/L	50.00	98.3 %	90-110	
			MS	mg/L	1000	103 %	78-137	
			MSD	mg/L	1000	100 %	78-137	
			MSRPD	mg/L	100.0	2.5%	≤12.3	
	300.0	08/05/2009:210017	CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
	300.0	08/05/2009:210031	ICV	ppm	100.0	97.1 %	90-110	
			ICB	ppm		0.00	2	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	99.1 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/18/2009:208617 (STK0937153-002)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	61.4 %	41-148	
			LCS	mg/L	10.00	82.3 %	41-148	
			MS	mg/L	0.4000	117 %	25-149	
			MSD	mg/L	0.4000	49.8 %	25-149	
			MSRPD	mg/L	0.4000	0.27	≤1	
Ammonia Nitrogen	4500NH3B	08/17/2009:208578 (SP 0907664-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	78.5 %	63-116	
			MS	mg/L	0.4000	122 %	17-127	
			MSD	mg/L	0.4000	70.5 %	17-127	
			MSRPD	mg/L	0.4000	15.7%	≤80.2	
	4500NH3G	08/18/2009:210609	CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	100 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	100 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/20/2009:210742	CCB	mg/L		-0.180	0.2	
			CCV	mg/L	2.000	101 %	90-110	
			CCB	mg/L		0.016	0.2	
			CCV	mg/L	2.000	97.8 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	98.8 %	90-110	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937155
Customer : 3-15742

Quality Control - Inorganic

Definition	
ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

ANALYTICAL CHEMISTS

August 11, 2009

HydroFocus, Inc.

Teresa Deverel

P.O. Box 2401

Davis, CA 95617

STK0937155:1-2 COLIFORM BACTERIA ANALYSIS

Customer ID : 3-15742

System Number :

Project Name : QA/QC GWM Samples

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937155-001	MWM-41	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 14:05	08/03/2009 15:26 JK	2009-08-07 JK
2	STK0937155-002	MWM-42	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/03/2009 14:55	08/03/2009 15:28 JK	2009-08-05 JK

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-41	---	---	SM 9221B	MPN/100ml	14	<2	N/R			
2	MWM-42	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By**Raquel R. Harvey**Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-11



Analytical Chemists
August 24, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937209
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 11 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (5 pages) : Results for each sample submitted.
Quality Control (4 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MWM-43	08/04/2009	08/04/2009	STK0937209-001	LBW
MWM-44	08/04/2009	08/04/2009	STK0937209-002	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/06/2009:210263 All analysis quality controls are within established criteria
	08/11/2009:210315 All analysis quality controls are within established criteria
	08/06/2009:208191 All preparation quality controls are within established criteria
	08/11/2009:208376 All preparation quality controls are within established criteria

Organic QC

524.2	08/12/2009:210331 All analysis quality controls are within established criteria
	08/12/2009:208427 All preparation quality controls are within established criteria

August 24, 2009
HydroFocus, Inc.

Lab ID : STK0937209
Customer : 3-15742

Inorganic - Wet Chemistry QC

2320B	08/06/2009:210092 All analysis quality controls are within established criteria
	08/06/2009:208192 All preparation quality controls are within established criteria
2540 C	08/06/2009:208216 All preparation quality controls are within established criteria
300.0	08/06/2009:210031 All analysis quality controls are within established criteria
	08/05/2009:208194 All preparation quality controls are within established criteria
351.1	08/19/2009:208634 All preparation quality controls are within established criteria
4500NH3B	08/18/2009:208635 All preparation quality controls are within established criteria
4500NH3G	08/19/2009:210687 All analysis quality controls are within established criteria
EPA351.2	08/21/2009:210834 All analysis quality controls are within established criteria

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-25

ANALYTICAL CHEMISTS
August 24, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-43
Project : QA/QC GWM Samples

Lab ID : STK0937209-001
Customer ID : 3-15742

Sampled On : August 4, 2009-12:25
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.4	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:12ACC
1,2-Dichlorobenzene-d4	87.3	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:12ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:12ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:12ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:12ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:12ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:12ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 24, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-43
Project : QA/QC GWM Samples

Lab ID : STK0937209-001
Customer ID : 3-15742

Sampled On : August 4, 2009-12:25
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.95			units	1				08/04/09 12:25	4500-H B		08/04/09 12:25

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 24, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-43
Project : QA/QC GWM Samples

Lab ID : STK0937209-001
Customer ID : 3-15742

Sampled On : August 4, 2009-12:25
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.5	0.1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:40SJM
Calcium	435	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:40SJM
Iron	0.12	0.05		mg/L	1	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-12:26SJM
Magnesium	196	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:40SJM
Manganese	12.0	0.01		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:40SJM
Potassium	6	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:40SJM
Sodium	437	2		mg/L	2	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-12:31SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:36AMB
Alkalinity (as CaCO ₃)	370	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-12:53AMB
Bicarbonate	450	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-12:53AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-12:53AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-12:53AMB
Bromide	3.22	0.03		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:17CHL
Chloride	1380	20		mg/L	20	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:33CHL
Nitrate Nitrogen	0.2	0.1		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:17CHL
Nitrate + Nitrite as N	0.2	0.1		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:17CHL
Nitrogen, Total Kjeldahl	1.0	0.5	0.19	mg/L	1	-b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:18AMB
Solids, Total Dissolved (TDS)	3510	20		mg/L	2.04	:	2540 C	208216	08/06/09 10:52	2540C	210083-WT219	08/07/09-09:52ACC
Sulfate	830	40		mg/L	20	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:33CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H₂SO₄ pH < 2, HNO₃ pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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Santa Paula, CA 93060
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TEL: 559-734-9473
FAX: 559-734-8435
Mobile: 559-737-2399

ANALYTICAL CHEMISTS
August 24, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-44
Project : QA/QC GWM Samples

Lab ID : STK0937209-002
Customer ID : 3-15742

Sampled On : August 4, 2009-12:45
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	89.9	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:44ACC
1,2-Dichlorobenzene-d4	87.4	70-130		%	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:44ACC
Bromodichloromethane	0.766	0.5	0.053	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:44ACC
Bromoform	1.40	0.5	0.058	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:44ACC
Chloroform	2.65	0.5	0.1	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:44ACC
Dibromochloromethane	0.616	0.5	0.07	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:44ACC
Total Trihalomethanes	5.4	0.5	0.058	ug/L	1	:	524.2	208427	08/12/09 08:43	524.2	210331-GM205	08/12/09-17:44ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 24, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWM-44
Project : QA/QC GWM Samples

Lab ID : STK0937209-002
Customer ID : 3-15742

Sampled On : August 4, 2009-12:45
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	ND	0.1		mg/L	1	Ef:E	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:44SJM
Calcium	ND	1		mg/L	1	Uf:U	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:44SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-12:34SJM
Magnesium	ND	1		mg/L	1	Uf:U	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:44SJM
Manganese	ND	0.01		mg/L	1	Ef:E	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:44SJM
Potassium	ND	1		mg/L	1	Ef:E	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:44SJM
Sodium	ND	1		mg/L	1	Uf:U	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:44SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:37AMB
Alkalinity (as CaCO3)	20	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:04AMB
Bicarbonate	20	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:04AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:04AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:04AMB
Bromide	ND	0.03		mg/L	1	U:U	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:48CHL
Chloride	ND	1		mg/L	1	E:E	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:48CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:48CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:48CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E- b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:20AMB
Solids, Total Dissolved (TDS)	ND	20		mg/L	0.56667	:U	2540 C	208216	08/06/09 10:52	2540C	210083-WT219	08/07/09-09:52ACC
Sulfate	ND	2		mg/L	1	E:E	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:48CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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Analytical Chemists

August 24, 2009
 HydroFocus, Inc.

Lab ID : STK0937209
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/12/2009:208427	Blank	ug/L	10.00	92.5 %	70-130	
			BS	ug/L	10.00	88.0 %	70-130	
			BSD	ug/L	10.00	92.0 %	70-130	
			BSRPD	ug/L	10.00	4.5%	≤30	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	96.7 %	70-130	
4-Bromofluorobenzene	524.2	08/12/2009:208427	Blank	ug/L	10.00	94.3 %	70-130	
			BS	ug/L	10.00	95.2 %	70-130	
			BSD	ug/L	10.00	90.9 %	70-130	
			BSRPD	ug/L	10.00	4.6%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/12/2009:210331	CCV	ug/L	10.00	97.8 %	70-130	
Bromodichloromethane	524.2	08/12/2009:208427	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	115 %	63-134	
			BSD	ug/L	10.00	123 %	63-134	
			BSRPD	ug/L	10.00	6.9%	≤15.6	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	126 %	70-130	
Bromoform	524.2	08/12/2009:208427	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	89.9 %	55-147	
			BSD	ug/L	10.00	90.6 %	55-147	
			BSRPD	ug/L	10.00	0.7%	≤18.7	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	98.9 %	70-130	
Chloroform	524.2	08/12/2009:208427	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	86.1 %	57-155	
			BSD	ug/L	10.00	92.1 %	57-155	
			BSRPD	ug/L	10.00	6.7%	≤18.2	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	103 %	70-130	
Dibromochloromethane	524.2	08/12/2009:208427	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	93.0 %	66-128	
			BSD	ug/L	10.00	94.7 %	66-128	
			BSRPD	ug/L	10.00	1.8%	≤22.0	
	524.2	08/12/2009:210331	CCV	ug/L	10.00	101 %	70-130	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

August 24, 2009
HydroFocus, Inc.

Lab ID : STK0937209
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	4.000	96.2 %	75-125	
			MSD	mg/L	4.000	97.9 %	75-125	
			MSRPD	mg/L	799.2	1.7%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	5.000	98.7 %	90-110	
Calcium	200.7	08/06/2009:208191 (STK0937158-001)	CCB	ppm		0.041	0.10	
			CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.036	0.10	
	200.7	08/06/2009:210263	MS	mg/L	12.51	85.4 %	75-125	
Iron	200.7	08/06/2009:208191 (STK0937195-003)	MSD	mg/L	12.51	89.4 %	75-125	
			MSRPD	mg/L	799.2	0.6%	≤20.0	
			CCV	ppm	25.02	98.1 %	90-110	
	200.7	08/06/2009:210263	CCB	ppm		-0.0006	1.0	
Magnesium	200.7	08/06/2009:208191 (STK0937158-001)	CCV	ppm	25.02	102 %	90-110	
			CCB	ppm		0.0005	1.0	
			CCV	ppm	25.02	97.6 %	75-125	
	200.7	08/11/2009:208376 (STK0937195-003)	MSD	ug/L	3992	97.0 %	75-125	
Manganese	200.7	08/11/2009:208376 (STK0937195-003)	MSRPD	ug/L	3992	0.6%	≤20.0	
			CCV	ppm	4.990	99.6 %	90-110	
			CCB	ppm		0.0041	0.05	
	200.7	08/11/2009:210315	CCV	ppm	4.990	100 %	90-110	
Potassium	200.7	08/11/2009:210315	CCB	ppm		0.0119	0.05	
			CCV	ppm				
			CCB	ppm				
	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	12.51	92.0 %	75-125	
Sodium	200.7	08/06/2009:208191 (STK0937158-001)	MSD	mg/L	12.51	95.2 %	75-125	
			MSRPD	mg/L	799.2	1.0%	≤20.0	
			CCV	ppm	25.02	96.8 %	90-110	
	200.7	08/06/2009:210263	CCB	ppm		-0.0009	1.0	
Manganese	200.7	08/06/2009:210263	CCV	ppm	25.02	99.1 %	90-110	
			CCB	ppm		0.003	1.0	
			CCV	ppm				
	200.7	08/06/2009:208191 (STK0937158-001)	MS	ug/L	799.2	98.7 %	75-125	
Potassium	200.7	08/06/2009:208191 (STK0937158-001)	MSD	ug/L	799.2	99.7 %	75-125	
			MSRPD	ug/L	799.2	1.0%	≤20.0	
			CCV	ppm	0.9990	100 %	90-110	
	200.7	08/06/2009:210263	CCB	ppm		0.00005	0.01	
Sodium	200.7	08/06/2009:210263	CCV	ppm	0.9990	103 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm				
	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	12.50	104 %	75-125	
Manganese	200.7	08/06/2009:208191 (STK0937158-001)	MSD	mg/L	12.50	105 %	75-125	
			MSRPD	mg/L	799.2	0.9%	≤20.0	
			CCV	ppm	25.00	99.1 %	90-110	
	200.7	08/06/2009:210263	CCB	ppm		0.04	1.0	
Potassium	200.7	08/06/2009:210263	CCV	ppm	25.00	106 %	90-110	
			CCB	ppm		0.29	1.0	
			CCV	ppm				
	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	12.50	93.7 %	75-125	
Sodium	200.7	08/06/2009:208191 (STK0937158-001)	MSD	mg/L	12.50	98.4 %	75-125	
			MSRPD	mg/L	799.2	0.8%	≤20.0	
			CCV	ppm	25.00	95.8 %	90-110	
	200.7	08/06/2009:210263	CCB	ppm		-0.18	1.0	
Manganese	200.7	08/06/2009:210263	CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		-0.46	1.0	
			CCV	ppm				
	200.7	08/11/2009:208376 (STK0937195-003)	MS	mg/L	12.50	99.0 %	75-125	
Potassium	200.7	08/11/2009:208376 (STK0937195-003)	MSD	mg/L	12.50	101 %	75-125	
			MSRPD	mg/L	799.2	0.2%	≤20.0	
			CCV	ppm	25.00	96.6 %	90-110	
	200.7	08/11/2009:210315	CCB	ppm		-0.06	1.0	
Sodium	200.7	08/11/2009:210315	CCV	ppm	25.00	98.0 %	90-110	
			CCB	ppm				
			CCV	ppm				
	200.7	08/11/2009:210315	CCV	ppm	25.00			

August 24, 2009
HydroFocus, Inc.

Lab ID : STK0937209
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	08/11/2009:210315	CCB	ppm		0.01	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/06/2009:208192	Dup	mg/L		0.4%	3.42	
	2320B	08/06/2009:210092	CCV	mg/L	234.9	94.2 %	90-110	
			CCV	mg/L	234.9	95.1 %	90-110	
Bicarbonate	2320B	08/06/2009:208192	Dup	mg/L		0.5%	4.78	
Carbonate	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/06/2009:208216	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	103 %	90-110	
			LCS	mg/L	995.0	101 %	90-110	
			Dup	mg/L		0.7%	10.0	
Bromide	300.0	08/05/2009:208194 (CH 0975605-001)	LCS	mg/L	5.000	95.8 %	90-110	
			MS	mg/L	100.0	101 %	90-121	
			MSD	mg/L	100.0	102 %	90-121	
			MSRPD	mg/L	100.0	1.5%	≤1.61	
	300.0	08/06/2009:210031	CCB	ppb		0.0	30	
			CCV	ppb	5000	99.1 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	99.2 %	90-110	
Chloride	300.0	08/05/2009:208194 (CH 0975605-001)	LCS	mg/L	25.00	97.7 %	90-110	
			MS	mg/L	500.0	103 %	86-128	
			MSD	mg/L	500.0	102 %	86-128	
			MSRPD	mg/L	100.0	0.8%	≤23.0	
	300.0	08/06/2009:210031	CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
Nitrate	300.0	08/05/2009:208194 (CH 0975605-001)	LCS	mg/L	20.00	97.4 %	90-110	
			MS	mg/L	400.0	102 %	88-124	
			MSD	mg/L	400.0	102 %	88-124	
			MSRPD	mg/L	100.0	0.6%	≤29.1	
	300.0	08/06/2009:210031	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.1 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.7 %	90-110	
Sulfate	300.0	08/05/2009:208194 (CH 0975605-001)	LCS	mg/L	50.00	99.8 %	90-110	
			MS	mg/L	1000	105 %	78-137	
			MSD	mg/L	1000	106 %	78-137	
			MSRPD	mg/L	100.0	0.5%	≤12.3	
	300.0	08/06/2009:210031	CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/19/2009:208634 (CH 0975685-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	77.1 %	41-148	
			LCS	mg/L	10.00	72.9 %	41-148	
			MS	mg/L	0.4000	77.2 %	25-149	
			MSD	mg/L	0.4000	32.0 %	25-149	
			MSRPD	mg/L	0.4000	0.18	≤1	
Ammonia Nitrogen	4500NH3B	08/18/2009:208635 (SP 0907677-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	10.00	70.0 %	63-116	
			MS	mg/L	0.4000	124 %	17-127	
			MSD	mg/L	0.4000	89.5 %	17-127	

August 24, 2009
HydroFocus, Inc.

Lab ID : STK0937209
 Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Ammonia Nitrogen	4500NH3B	08/18/2009:208635	MSRPD	mg/L	0.4000	0.14	≤0.2	
	4500NH3G	08/19/2009:210687	CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	90.6 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	90.6 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/21/2009:210834	CCB	mg/L		-0.042	0.2	
			CCV	mg/L	2.000	96.8 %	90-110	
			CCB	mg/L		-0.046	0.2	
			CCV	mg/L	2.000	95.1 %	90-110	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

ANALYTICAL CHEMISTS
August 11, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0937209:1-2 COLIFORM BACTERIA ANALYSIS
Customer ID : 3-15742

System Number :
Project Name : QA/QC GWM Samples

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937209-001	MWM-43	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 12:25	08/04/2009 15:15 JK	2009-08-08 JK
2	STK0937209-002	MWM-44	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 12:45	08/04/2009 15:17 JK	2009-08-06 JK

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWM-43	---	---	SM 9221B	MPN/100ml	> 1600	50	N/R			
2	MWM-44	---	---	SM 9221B	MPN/100ml	< 2	< 2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-11



Analytical Chemists
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937210
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 27 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (19 pages) : Results for each sample submitted.
Quality Control (6 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	08/04/2009	08/04/2009	STK0937210-000	LBW
MWR-11	08/04/2009	08/04/2009	STK0937210-001	MW
MWR-12	08/04/2009	08/04/2009	STK0937210-002	MW
MWR-28	08/04/2009	08/04/2009	STK0937210-004	MW
MWR-29	08/04/2009	08/04/2009	STK0937210-005	MW
MWR-30	08/04/2009	08/04/2009	STK0937210-006	MW
MWR-32	08/04/2009	08/04/2009	STK0937210-008	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/06/2009:210263 All analysis quality controls are within established criteria, except: The following note applies to Iron: 220 The CCB was greater than the DQO. However, all results were either five times greater than the CCB concentration or ND relative to the PQL.
	08/11/2009:210315 All analysis quality controls are within established criteria.
	08/06/2009:208191 All preparation quality controls are within established criteria.
	08/11/2009:208376 All preparation quality controls are within established criteria.

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937210
Customer : 3-15742

Organic QC

524.2	08/13/2009:210425 All analysis quality controls are within established criteria.
	08/14/2009:210537 All analysis quality controls are within established criteria.
	08/18/2009:210645 All analysis quality controls are within established criteria.
	08/13/2009:208492 All preparation quality controls are within established criteria.
	08/14/2009:208509 All preparation quality controls are within established criteria.
	08/18/2009:208648 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/06/2009:210092 All analysis quality controls are within established criteria.
	08/06/2009:208192 All preparation quality controls are within established criteria.
2540 C	08/06/2009:208216 All preparation quality controls are within established criteria.
300.0	08/06/2009:210031 All analysis quality controls are within established criteria.
	08/06/2009:210131 All analysis quality controls are within established criteria.
	08/05/2009:208194 All preparation quality controls are within established criteria.
	08/06/2009:208275 All preparation quality controls are within established criteria.
351.1	08/19/2009:208634 All preparation quality controls are within established criteria.
4500NH3B	08/18/2009:208635 All preparation quality controls are within established criteria.
4500NH3G	08/19/2009:210687 All analysis quality controls are within established criteria.
EPA351.2	08/21/2009:210834 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**

 Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-21

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : Travel Blank
Project : River Islands - North - GWM

Lab ID : STK0937210-000
Customer ID : 3-15742

Sampled On : August 4, 2009-08:30
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	83.8	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-10:34ACC
1,2-Dichlorobenzene-d4	76.2	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-10:34ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-10:34ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-10:34ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-10:34ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-10:34ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-10:34ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-11
Project : River Islands - North - GWM

Lab ID : STK0937210-001
Customer ID : 3-15742

Sampled On : August 4, 2009-10:50
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	97.0	70-130		%	1	:	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-12:31ACC
1,2-Dichlorobenzene-d4	93.8	70-130		%	1	:	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-12:31ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-12:31ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-12:31ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-12:31ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-12:31ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-12:31ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-11
Project : River Islands - North - GWM

Lab ID : STK0937210-001
Customer ID : 3-15742

Sampled On : August 4, 2009-10:50
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.01			units	1				08/04/09 10:50	4500-H B		08/04/09 10:50

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-11
Project : River Islands - North - GWM

Lab ID : STK0937210-001
Customer ID : 3-15742

Sampled On : August 4, 2009-10:50
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.6	0.1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:49SJM
Calcium	116	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:49SJM
Iron	0.08	0.05		mg/L	1	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-12:36SJM
Magnesium	48	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:49SJM
Manganese	0.04	0.01		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:49SJM
Potassium	3	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:49SJM
Sodium	194	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:49SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:39AMB
Alkalinity (as CaCO3)	180	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:08AMB
Bicarbonate	220	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:08AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:08AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:08AMB
Bromide	0.93	0.03		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-03:28CHL
Chloride	366	5		mg/L	5	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-03:44CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	E:E	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-03:28CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	E:E	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-03:28CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	E-b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:21AMB
Solids, Total Dissolved (TDS)	1070	20		mg/L	1	:	2540 C	208216	08/06/09 10:52	2540C	210083-WT219	08/07/09-09:44ACC
Sulfate	197	2		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-03:28CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-12
Project : River Islands - North - GWM

Lab ID : STK0937210-002
Customer ID : 3-15742

Sampled On : August 4, 2009-11:20
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	94.6	70-130		%	1	:	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:03ACC
1,2-Dichlorobenzene-d4	93.9	70-130		%	1	:	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:03ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:03ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:03ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:03ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:03ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:03ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-12
Project : River Islands - North - GWM

Lab ID : STK0937210-002
Customer ID : 3-15742

Sampled On : August 4, 2009-11:20
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.17			units	1				08/04/09 11:20	4500-H B		08/04/09 11:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-12
Project : River Islands - North - GWM

Lab ID : STK0937210-002
Customer ID : 3-15742

Sampled On : August 4, 2009-11:20
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.5	0.1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:53SJM
Calcium	123	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:53SJM
Iron	0.08	0.05		mg/L	1	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-12:52SJM
Magnesium	50	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:53SJM
Manganese	0.03	0.01		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:53SJM
Potassium	2	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:53SJM
Sodium	193	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:53SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:40AMB
Alkalinity (as CaCO ₃)	160	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:16AMB
Bicarbonate	200	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:16AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:16AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:16AMB
Bromide	1.02	0.03		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-04:30CHL
Chloride	390	5		mg/L	5	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-04:45CHL
Nitrate Nitrogen	1.5	0.1		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-04:30CHL
Nitrate + Nitrite as N	1.5	0.1		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-04:30CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U-b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:22AMB
Solids, Total Dissolved (TDS)	1140	20		mg/L	1	:	2540 C	208216	08/06/09 10:52	2540C	210083-WT219	08/07/09-09:40ACC
Sulfate	206	2		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-04:30CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H₂SO₄ pH < 2, HNO₃ pH < 2, HCl pH < 2

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Office & Laboratory

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Field Office

Visalia, California
TEL: 559-734-9473
FAX: 559-734-8435
Mobile: 559-737-2399

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-28
Project : River Islands - North - GWM

Lab ID : STK0937210-004
Customer ID : 3-15742

Sampled On : August 4, 2009-12:15
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	88.7	70-130		%	1	:	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:35ACC
1,2-Dichlorobenzene-d4	90.2	70-130		%	1	:	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:35ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:35ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:35ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:35ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:35ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208492	08/13/09 07:56	524.2	210425-GM205	08/13/09-13:35ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-28
Project : River Islands - North - GWM

Lab ID : STK0937210-004
Customer ID : 3-15742

Sampled On : August 4, 2009-12:15
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.95			units	1				08/04/09 12:15	4500-H B		08/04/09 12:15

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-28
Project : River Islands - North - GWM

Lab ID : STK0937210-004
Customer ID : 3-15742

Sampled On : August 4, 2009-12:15
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.5	0.1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:57SJM
Calcium	440	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:57SJM
Iron	0.12	0.05		mg/L	1	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-12:56SJM
Magnesium	197	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:57SJM
Manganese	11.7	0.01		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:57SJM
Potassium	7	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-13:57SJM
Sodium	447	2		mg/L	2	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-13:00SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:43AMB
Alkalinity (as CaCO3)	370	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:40AMB
Bicarbonate	450	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:40AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:40AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:40AMB
Bromide	3.25	0.03		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-05:47CHL
Chloride	1380	20		mg/L	20	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:02CHL
Nitrate Nitrogen	0.2	0.1		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-05:47CHL
Nitrate + Nitrite as N	0.2	0.1		mg/L	1	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-05:47CHL
Nitrogen, Total Kjeldahl	0.6	0.5	0.19	mg/L	1	-b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:23AMB
Solids, Total Dissolved (TDS)	3780	20		mg/L	2.04	:	2540 C	208216	08/06/09 10:52	2540C	210083-WT219	08/07/09-09:45ACC
Sulfate	830	40		mg/L	20	:	300.0	208194	08/05/09 17:00	300.0	210031-IC204	08/06/09-06:02CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

Corporate Offices & Laboratory

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Office & Laboratory

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Field Office

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TEL: 559-734-9473
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ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-29
Project : River Islands - North - GWM

Lab ID : STK0937210-005
Customer ID : 3-15742

Sampled On : August 4, 2009-13:20
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	92.5	70-130		%	1	:	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-15:32ACC
1,2-Dichlorobenzene-d4	88.6	70-130		%	1	:	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-15:32ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-15:32ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-15:32ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-15:32ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-15:32ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-15:32ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-29
Project : River Islands - North - GWM

Lab ID : STK0937210-005
Customer ID : 3-15742

Sampled On : August 4, 2009-13:20
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.10			units	1				08/04/09 13:20	4500-H B		08/04/09 13:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

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P.O. Box 2401
Davis, CA 95617

Description : MWR-29
Project : River Islands - North - GWM

Lab ID : STK0937210-005
Customer ID : 3-15742

Sampled On : August 4, 2009-13:20
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.3	0.1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:02SJM
Calcium	234	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:02SJM
Iron	6.10	0.05		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:02SJM
Magnesium	77	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:02SJM
Manganese	6.15	0.01		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:02SJM
Potassium	4	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:02SJM
Sodium	191	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:02SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:44AMB
Alkalinity (as CaCO ₃)	370	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:51AMB
Bicarbonate	450	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:51AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:51AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-13:51AMB
Bromide	0.80	0.03		mg/L	1	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:07CHL
Chloride	410	10		mg/L	10	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:22CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:07CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:07CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U- b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:24AMB
Solids, Total Dissolved (TDS)	1630	20		mg/L	1	:b	2540 C	208216	08/06/09 14:42	2540C	210083-WT219	08/07/09-09:53ACC
Sulfate	370	20		mg/L	10	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:22CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H₂SO₄ pH < 2, HNO₃ pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-30
Project : River Islands - North - GWM

Lab ID : STK0937210-006
Customer ID : 3-15742

Sampled On : August 4, 2009-13:50
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	88.7	70-130		%	1	:	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-16:03ACC
1,2-Dichlorobenzene-d4	89.3	70-130		%	1	:	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-16:03ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-16:03ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-16:03ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-16:03ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-16:03ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208509	08/14/09 07:58	524.2	210537-GM205	08/14/09-16:03ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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August 21, 2009

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Description : MWR-30
Project : River Islands - North - GWM

Lab ID : STK0937210-006
Customer ID : 3-15742

Sampled On : August 4, 2009-13:50
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.94			units	1				08/04/09 13:50	4500-H B		08/04/09 13:50

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 21, 2009

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Description : MWR-30
Project : River Islands - North - GWM

Lab ID : STK0937210-006
Customer ID : 3-15742

Sampled On : August 4, 2009-13:50
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.1	0.1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:20SJM
Calcium	415	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:20SJM
Iron	0.13	0.05		mg/L	1	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-13:04SJM
Magnesium	139	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:20SJM
Manganese	9.50	0.01		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:20SJM
Potassium	5	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:20SJM
Sodium	193	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:20SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:45AMB
Alkalinity (as CaCO3)	360	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:02AMB
Bicarbonate	440	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:02AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:02AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:02AMB
Bromide	1.50	0.03		mg/L	1	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:37CHL
Chloride	760	10		mg/L	10	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:53CHL
Nitrate Nitrogen	0.1	0.1		mg/L	1	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:37CHL
Nitrate + Nitrite as N	0.1	0.1		mg/L	1	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:37CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	U- b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:27AMB
Solids, Total Dissolved (TDS)	2570	20		mg/L	1	:b	2540 C	208216	08/06/09 14:42	2540C	210083-WT219	08/07/09-09:54ACC
Sulfate	580	20		mg/L	10	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-09:53CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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ANALYTICAL CHEMISTS
August 21, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-32
Project : River Islands - North - GWM

Lab ID : STK0937210-008
Customer ID : 3-15742

Sampled On : August 4, 2009-13:00
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	89.2	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:37ACC
1,2-Dichlorobenzene-d4	78.9	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:37ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:37ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:37ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:37ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:37ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:37ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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August 21, 2009

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Description : MWR-32
Project : River Islands - North - GWM

Lab ID : STK0937210-008
Customer ID : 3-15742

Sampled On : August 4, 2009-13:00
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.59			units	1				08/04/09 13:00	4500-H B		08/04/09 13:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

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August 21, 2009

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Customer ID : 3-15742

Sampled On : August 4, 2009-13:00
Sampled By : Brandon Meyers
Received On : August 4, 2009-14:50
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:23SJM
Calcium	375	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:23SJM
Iron	0.13	0.05		mg/L	1	f:	200.7	208376	08/11/09 08:00	200.7	210315-IT203	08/11/09-13:08SJM
Magnesium	137	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:23SJM
Manganese	9.78	0.01		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:23SJM
Potassium	7	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:23SJM
Sodium	311	1		mg/L	1	f:	200.7	208191	08/06/09 06:00	200.7	210263-IT203	08/06/09-14:23SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1		mg/L	1	U:U	4500NH3B	208635	08/18/09 09:45	4500NH3G	210687-FI206	08/19/09-05:46AMB
Alkalinity (as CaCO ₃)	310	10		mg/L	1	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:12AMB
Bicarbonate	370	10		mg/L	1.000	:	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:12AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:12AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208192	08/06/09 06:32	2320B	210092-MT201	08/06/09-14:12AMB
Bromide	2.00	0.03		mg/L	1	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-10:08CHL
Chloride	930	20		mg/L	20	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-10:24CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	E:E	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-10:08CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	E:E	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-10:08CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U	351.1	208634	08/19/09 08:00	EPA351.2	210834-FI206	08/21/09-13:28AMB
Solids, Total Dissolved (TDS)	2880	41		mg/L	2.0400	:b	2540 C	208216	08/06/09 14:42	2540C	210083-WT219	08/07/09-09:54ACC
Sulfate	590	40		mg/L	20	:	300.0	208275	08/06/09 07:30	300.0	210131-IC204	08/06/09-10:24CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H₂SO₄ pH < 2, HNO₃ pH < 2, HCl pH < 2

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Analytical Chemists

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937210
Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 1,2-Dichlorobenzene-d4	524.2	08/13/2009:208492	Blank	ug/L	10.00	84.3 %	70-130	
			BS	ug/L	10.00	92.9 %	70-130	
			BSD	ug/L	10.00	84.0 %	70-130	
			BSRPD	ug/L	10.00	10.1%	≤30	
	524.2	08/13/2009:210425	CCV	ug/L	10.00	106 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L	10.00	98.3 %	70-130	
			BS	ug/L	10.00	89.3 %	70-130	
			BSD	ug/L	10.00	89.6 %	70-130	
			BSRPD	ug/L	10.00	0.3%	≤30	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	107 %	70-130	
	524.2	08/18/2009:208648	Blank	ug/L	10.00	83.3 %	70-130	
			BS	ug/L	10.00	78.7 %	70-130	
			BSD	ug/L	10.00	92.9 %	70-130	
			BSRPD	ug/L	10.00	16.6%	≤30	
4-Bromofluorobenzene	524.2	08/13/2009:208492	Blank	ug/L	10.00	91.3 %	70-130	
			BS	ug/L	10.00	96.9 %	70-130	
			BSD	ug/L	10.00	86.6 %	70-130	
			BSRPD	ug/L	10.00	11.2%	≤30	
	524.2	08/14/2009:208509	Blank	ug/L	10.00	101 %	70-130	
			BS	ug/L	10.00	97.8 %	70-130	
			BSD	ug/L	10.00	94.9 %	70-130	
			BSRPD	ug/L	10.00	3.0%	≤30	
	524.2	08/18/2009:208648	Blank	ug/L	10.00	94.9 %	70-130	
			BS	ug/L	10.00	91.5 %	70-130	
			BSD	ug/L	10.00	96.4 %	70-130	
			BSRPD	ug/L	10.00	5.3%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/13/2009:210425	CCV	ug/L	10.00	109 %	70-130	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	104 %	70-130	
	524.2	08/18/2009:210645	CCV	ug/L	10.00	89.1 %	70-130	
Bromodichloromethane	524.2	08/13/2009:208492	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	133 %	63-134	
			BSD	ug/L	10.00	115 %	63-134	
			BSRPD	ug/L	10.00	14.2%	≤15.6	
	524.2	08/13/2009:210425	CCV	ug/L	10.00	127 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	134 %	63-134	
			BSD	ug/L	10.00	132 %	63-134	
			BSRPD	ug/L	10.00	1.8%	≤15.6	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	129 %	70-130	
	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	98.1 %	63-134	
			BSD	ug/L	10.00	102 %	63-134	
			BSRPD	ug/L	10.00	4.4%	≤15.6	
Bromoform	524.2	08/13/2009:208492	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	101 %	55-147	
			BSD	ug/L	10.00	90.0 %	55-147	
			BSRPD	ug/L	10.00	11.6%	≤18.7	
	524.2	08/13/2009:210425	CCV	ug/L	10.00	100 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	99.5 %	55-147	
			BSD	ug/L	10.00	102 %	55-147	
			BSRPD	ug/L	10.00	2.8%	≤18.7	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	100 %	70-130	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937210
Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Bromoform	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	76.4 %	55-147	
			BSD	ug/L	10.00	76.7 %	55-147	
			BSRPD	ug/L	10.00	0.3%	≤18.7	
	524.2	08/18/2009:210645	CCV	ug/L	10.00	75.2 %	70-130	
Chloroform	524.2	08/13/2009:208492	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	104 %	57-155	
			BSD	ug/L	10.00	95.7 %	57-155	
			BSRPD	ug/L	10.00	8.7%	≤18.2	
	524.2	08/13/2009:210425	CCV	ug/L	10.00	101 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	94.7 %	57-155	
			BSD	ug/L	10.00	112 %	57-155	
			BSRPD	ug/L	10.00	16.5%	≤18.2	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	106 %	70-130	
	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	77.2 %	57-155	
			BSD	ug/L	10.00	84.7 %	57-155	
			BSRPD	ug/L	10.00	9.2%	≤18.2	
Dibromochloromethane	524.2	08/13/2009:208492	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	101 %	66-128	
			BSD	ug/L	10.00	93.1 %	66-128	
			BSRPD	ug/L	10.00	8.3%	≤22.0	
	524.2	08/13/2009:210425	CCV	ug/L	10.00	97.6 %	70-130	
	524.2	08/14/2009:208509	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	101 %	66-128	
			BSD	ug/L	10.00	104 %	66-128	
			BSRPD	ug/L	10.00	3.4%	≤22.0	
	524.2	08/14/2009:210537	CCV	ug/L	10.00	103 %	70-130	
	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	77.7 %	66-128	
			BSD	ug/L	10.00	77.3 %	66-128	
			BSRPD	ug/L	10.00	0.4%	≤22.0	
Definition	524.2	08/18/2009:210645	CCV	ug/L	10.00	77.1 %	70-130	
	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.							
	Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.							
	BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.							
	BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.							
	BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.							
	ND : Non-detect - Result was below the DQO listed for the analyte.							
	DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.							

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937210
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	4.000	96.2 %	75-125	
			MSD	mg/L	4.000	97.9 %	75-125	
			MSRPD	mg/L	799.2	1.7%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	5.000	98.7 %	90-110	
			CCB	ppm		0.041	0.10	
			CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.036	0.10	
			CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.037	0.10	
Calcium	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	12.51	85.4 %	75-125	
			MSD	mg/L	12.51	89.4 %	75-125	
			MSRPD	mg/L	799.2	0.6%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	25.02	98.1 %	90-110	
			CCB	ppm		-0.0006	1.0	
			CCV	ppm	25.02	102 %	90-110	
			CCB	ppm		0.0005	1.0	
			CCV	ppm	25.02	102 %	90-110	
			CCB	ppm		0.0002	1.0	
Iron	200.7	08/06/2009:208191 (STK0937158-001)	MS	ug/L	3992	95.5 %	75-125	
			MSD	ug/L	3992	96.8 %	75-125	
			MSRPD	ug/L	799.2	1.1%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	4.990	97.3 %	90-110	
			CCB	ppm		0.0094	0.05	
			CCV	ppm	4.990	101 %	90-110	
			CCB	ppm		0.0638	0.05	220
	200.7	08/11/2009:208376 (STK0937195-003)	MS	ug/L	3992	97.6 %	75-125	
			MSD	ug/L	3992	97.0 %	75-125	
			MSRPD	ug/L	799.2	0.6%	≤20.0	
	200.7	08/11/2009:210315	CCV	ppm	4.990	99.6 %	90-110	
			CCB	ppm		0.0041	0.05	
			CCV	ppm	4.990	100 %	90-110	
			CCB	ppm		0.0119	0.05	
			CCV	ppm	4.990	100 %	90-110	
			CCB	ppm		0.0237	0.05	
Magnesium	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	12.51	92.0 %	75-125	
			MSD	mg/L	12.51	95.2 %	75-125	
			MSRPD	mg/L	799.2	1.0%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	25.02	96.8 %	90-110	
			CCB	ppm		-0.0009	1.0	
			CCV	ppm	25.02	99.1 %	90-110	
			CCB	ppm		0.003	1.0	
Manganese	200.7	08/06/2009:208191 (STK0937158-001)	MS	ug/L	799.2	98.7 %	75-125	
			MSD	ug/L	799.2	99.7 %	75-125	
			MSRPD	ug/L	799.2	1.0%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	0.9990	100 %	90-110	
			CCB	ppm		0.00005	0.01	
			CCV	ppm	0.9990	103 %	90-110	
			CCB	ppm		0.0002	0.01	
Potassium	200.7	08/06/2009:208191 (STK0937158-001)	MS	mg/L	12.50	104 %	75-125	
			MSD	mg/L	12.50	105 %	75-125	
			MSRPD	mg/L	799.2	0.9%	≤20.0	
	200.7	08/06/2009:210263	CCV	ppm	0.9990	103 %	90-110	
			CCB	ppm		0.0001	0.01	
			CCV	ppm	0.9990	103 %	90-110	
			CCB	ppm		0.0001	0.01	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937210
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Potassium	200.7	08/06/2009:210263	CCV CCB CCV CCB CCV CCB	ppm ppm ppm ppm ppm ppm	25.00 25.00 25.00	99.1 % 0.04 106 % 0.29 105 % 0.13	90-110 1.0 90-110 1.0 90-110 1.0	
Sodium	200.7	08/06/2009:208191 (STK0937158-001)	MS MSD MSRPD	mg/L mg/L mg/L	12.50 12.50 799.2	93.7 % 98.4 % 0.8%	75-125 75-125 ≤20.0	
	200.7	08/06/2009:210263	CCV CCB CCV CCB CCV CCB	ppm ppm ppm ppm ppm ppm	25.00 25.00 25.00	95.8 % -0.18 101 % -0.46 101 % -0.1	90-110 1.0 90-110 1.0 90-110 1.0	
	200.7	08/11/2009:208376 (STK0937195-003)	MS MSD MSRPD	mg/L mg/L mg/L	12.50 12.50 799.2	99.0 % 101 % 0.2%	75-125 75-125 ≤20.0	
	200.7	08/11/2009:210315	CCV CCB CCV CCB	ppm ppm ppm ppm	25.00 25.00	98.0 % 0.01 98.4 % -0.15	90-110 1.0 90-110 1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/06/2009:208192	Dup	mg/L		0.4%	3.42	
	2320B	08/06/2009:210092	CCV CCV CCV	mg/L mg/L mg/L	234.9 234.9 234.9	94.1 % 94.2 % 95.1 %	90-110 90-110 90-110	
Bicarbonate	2320B	08/06/2009:208192	Dup	mg/L		0.5%	4.78	
Carbonate	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/06/2009:208192	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/06/2009:208216	Blank LCS LCS Dup Blank LCS LCS Dup	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 995.0 995.0 995.0 995.0 995.0	ND 103 % 101 % 0.7% 6.9 99.3 % 99.6 % 0.8%	<20 90-110 90-110 10.0 20 90-110 90-110 10.0	
Bromide	300.0	08/05/2009:208194 (CH 0975605-001)	LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L	5.000 100.0 100.0 100.0	95.8 % 101 % 102 % 1.5%	90-110 90-121 90-121 ≤1.61	
	300.0	08/06/2009:208275 (STK0937190-001)	LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L	5.000 100.0 100.0 100.0	95.1 % 101 % 101 % 0.3%	90-110 90-121 90-121 ≤1.61	
	300.0	08/06/2009:210031	CCB CCV CCB CCV CCB CCV	ppb ppb ppb ppb ppb ppb	5000 5000 5000	0.0 98.4 % 0.0 99.1 % 0.0 99.2 %	30 90-110 30 90-110 30 90-110	
	300.0	08/06/2009:210131	ICV ICB	ppb ppb	10000	97.3 % 0.0	90-110 30	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937210
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Bromide	300.0	08/06/2009:210131	CCB CCV	ppb ppb	5000	0.0 94.5 %	30 90-110	
Chloride	300.0	08/05/2009:208194 (CH 0975605-001)	LCS	mg/L	25.00	97.7 %	90-110	
			MS	mg/L	500.0	103 %	86-128	
			MSD	mg/L	500.0	102 %	86-128	
			MSRPD	mg/L	100.0	0.8%	≤23.0	
	300.0	08/06/2009:208275 (STK0937190-001)	LCS	mg/L	25.00	96.9 %	90-110	
			MS	mg/L	500.0	101 %	86-128	
			MSD	mg/L	500.0	102 %	86-128	
			MSRPD	mg/L	100.0	0.7%	≤23.0	
	300.0	08/06/2009:210031	CCB	ppm	25.00	0.00	1	
			CCV	ppm		99.8 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	101 %	90-110	
	300.0	08/06/2009:210131	ICV	ppm	50.00	97.5 %	90-110	
			ICB	ppm		0.00	1	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	97.5 %	90-110	
Nitrate	300.0	08/05/2009:208194 (CH 0975605-001)	LCS	mg/L	20.00	97.4 %	90-110	
			MS	mg/L	400.0	102 %	88-124	
			MSD	mg/L	400.0	102 %	88-124	
			MSRPD	mg/L	100.0	0.6%	≤29.1	
	300.0	08/06/2009:208275 (STK0937190-001)	LCS	mg/L	20.00	96.3 %	90-110	
			MS	mg/L	400.0	101 %	88-124	
			MSD	mg/L	400.0	102 %	88-124	
			MSRPD	mg/L	100.0	0.2%	≤29.1	
	300.0	08/06/2009:210031	CCB	ppm	20.00	0.000	0.4	
			CCV	ppm		98.9 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.1 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.7 %	90-110	
	300.0	08/06/2009:210131	ICV	ppm	40.00	97.3 %	90-110	
			ICB	ppm		0.000	0.4	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	96.6 %	90-110	
Sulfate	300.0	08/05/2009:208194 (CH 0975605-001)	LCS	mg/L	50.00	99.8 %	90-110	
			MS	mg/L	1000	105 %	78-137	
			MSD	mg/L	1000	106 %	78-137	
			MSRPD	mg/L	100.0	0.5%	≤12.3	
	300.0	08/06/2009:208275 (STK0937190-001)	LCS	mg/L	50.00	98.2 %	90-110	
			MS	mg/L	1000	102 %	78-137	
			MSD	mg/L	1000	102 %	78-137	
			MSRPD	mg/L	100.0	0.1%	≤12.3	
	300.0	08/06/2009:210031	CCB	ppm	50.00	0.00	2	
			CCV	ppm		101 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	102 %	90-110	
	300.0	08/06/2009:210131	ICV	ppm	100.0	97.7 %	90-110	
			ICB	ppm		0.00	2	

August 21, 2009
HydroFocus, Inc.

Lab ID : STK0937210
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Sulfate	300.0	08/06/2009:210131	CCB CCV	ppm ppm	50.00	0.00 98.6 %	2 90-110	
Nitrogen, Total Kjeldahl	351.1	08/19/2009:208634 (CH 0975685-001)	Blank LCS LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	10.00 10.00 0.4000 0.4000 0.4000	ND 77.1 % 72.9 % 77.2 % 32.0 % 0.18	<1 41-148 41-148 25-149 25-149 ≤1	
Ammonia Nitrogen	4500NH3B	08/18/2009:208635 (SP 0907677-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	10.00 0.4000 0.4000 0.4000 0.4000	ND 70.0 % 124 % 89.5 % 0.14	<0.2 63-116 17-127 17-127 ≤0.2	
	4500NH3G	08/19/2009:210687	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	2.000 2.000 2.000 2.000 2.000 2.000	0.000 90.6 % 0.000 90.6 % 0.000 90.8 %	0.2 90-110 0.2 90-110 0.2 90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/21/2009:210834	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	2.000 2.000 2.000 2.000 2.000 2.000	-0.042 96.8 % -0.046 95.1 % 0.000 101 %	0.2 90-110 0.2 90-110 0.2 90-110	
Definition ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria. ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria. CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation 220 : The CCB was greater than the DQO. However, all results were either five times greater than the CCB concentration or ND relative to the PQL.								

ANALYTICAL CHEMISTS
August 11, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0937210:1-2, 4-6, 8 COLIFORM BACTERIA ANALYSIS
Customer ID : 3-15742

System Number :
Project Name : River Islands - North - GWM

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937210-001	MWR-11	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 10:50	08/04/2009 15:03 JK	2009-08-07 JK
2	STK0937210-002	MWR-12	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 11:20	08/04/2009 15:05 JK	2009-08-07 JK
3	STK0937210-004	MWR-28	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 12:15	08/04/2009 15:07 JK	2009-08-07 JK
4	STK0937210-005	MWR-29	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 13:20	08/04/2009 15:09 JK	2009-08-08 JK
5	STK0937210-006	MWR-30	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 13:50	08/04/2009 15:11 JK	2009-08-08 JK
6	STK0937210-008	MWR-32	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/04/2009 13:00	08/04/2009 15:13 JK	2009-08-08 JK

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWR-11	---	---	SM 9221B	MPN/100ml	500	50	N/R			
2	MWR-12	---	---	SM 9221B	MPN/100ml	110	14	N/R			
3	MWR-28	---	---	SM 9221B	MPN/100ml	1600	70	N/R			
4	MWR-29	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
5	MWR-30	---	---	SM 9221B	MPN/100ml	2	<2	N/R			
6	MWR-32	---	---	SM 9221B	MPN/100ml	7	<2	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-11



Analytical Chemists
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Lab ID : STK0937285
Customer : 3-15742

Laboratory Report

Introduction: This report package contains total of 26 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (19 pages) : Results for each sample submitted.
Quality Control (5 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	08/05/2009	08/05/2009	STK0937285-000	LBW
MWR-27	08/05/2009	08/05/2009	STK0937285-001	MW
MWR-31	08/05/2009	08/05/2009	STK0937285-002	MW
MWR-3	08/05/2009	08/05/2009	STK0937285-003	MW
MWR-26	08/05/2009	08/05/2009	STK0937285-004	MW
DS-1	08/05/2009	08/05/2009	STK0937285-005	MW
DS-2	08/05/2009	08/05/2009	STK0937285-006	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	08/10/2009:210295 All analysis quality controls are within established criteria.
	08/10/2009:208341 All preparation quality controls are within established criteria.

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937285
Customer : 3-15742

Organic QC

524.2	08/18/2009:210645 All analysis quality controls are within established criteria.
	08/18/2009:208648 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2320B	08/07/2009:210198 All analysis quality controls are within established criteria.
	08/07/2009:208244 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO3): 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
2540 C	08/07/2009:208289 All preparation quality controls are within established criteria.
	08/10/2009:208340 All preparation quality controls are within established criteria.
300.0	08/07/2009:210131 All analysis quality controls are within established criteria.
	08/07/2009:210228 All analysis quality controls are within established criteria.
	08/06/2009:208275 All preparation quality controls are within established criteria.
	08/07/2009:208343 All preparation quality controls are within established criteria.
351.1	08/24/2009:208850 All preparation quality controls are within established criteria.
4500NH3B	08/21/2009:208803 All preparation quality controls are within established criteria, except: The following note applies to Ammonia Nitrogen: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	The following note applies to Ammonia Nitrogen: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500NH3G	08/24/2009:210904 All analysis quality controls are within established criteria.
EPA351.2	08/26/2009:211034 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-27

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : Travel Blank
Project : River Islands - North&South - GWM

Lab ID : STK0937285-000
Customer ID : 3-15742

Sampled On : August 5, 2009-08:30
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	93.3	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:05ACC
1,2-Dichlorobenzene-d4	87.1	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:05ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:05ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:05ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:05ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:05ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-11:05ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-27
Project : River Islands - North&South - GWM

Lab ID : STK0937285-001
Customer ID : 3-15742

Sampled On : August 5, 2009-09:10
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	91.6	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:08ACC
1,2-Dichlorobenzene-d4	85.6	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:08ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:08ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:08ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:08ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:08ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:08ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-27
Project : River Islands - North&South - GWM

Lab ID : STK0937285-001
Customer ID : 3-15742

Sampled On : August 5, 2009-09:10
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.98			units	1				08/05/09 09:10	4500-H B		08/05/09 09:10

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-27
Project : River Islands - North&South - GWM

Lab ID : STK0937285-001
Customer ID : 3-15742

Sampled On : August 5, 2009-09:10
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.2	0.1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:01SJM
Calcium	315	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:01SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:01SJM
Magnesium	141	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:01SJM
Manganese	2.96	0.01		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:01SJM
Potassium	4	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:01SJM
Sodium	192	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:01SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1	0.049	mg/L	1	U:Uh	4500NH3B	208803	08/21/09 11:00	4500NH3G	210904-FI206	08/24/09-05:14AMB
Alkalinity (as CaCO3)	260	10		mg/L	1	:j	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:34AMB
Bicarbonate	310	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:34AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:34AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:34AMB
Bromide	1.62	0.03		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-03:48CHL
Chloride	790	10		mg/L	10	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-04:04CHL
Nitrate Nitrogen	1.9	0.1		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-03:48CHL
Nitrate + Nitrite as N	1.9	0.1		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-03:48CHL
Nitrogen, Total Kjeldahl	0.8	0.5	0.19	mg/L	1	-b:U	351.1	208850	08/24/09 09:30	EPA351.2	211034-FI206	08/26/09-04:19AMB
Solids, Total Dissolved (TDS)	2020	20		mg/L	1	-b	2540 C	208289	08/07/09 14:55	2540C	210195-WT219	08/10/09-08:34ACC
Sulfate	330	20		mg/L	10	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-04:04CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-31
Project : River Islands - North&South - GWM

Lab ID : STK0937285-002
Customer ID : 3-15742

Sampled On : August 5, 2009-10:40
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	95.8	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:40ACC
1,2-Dichlorobenzene-d4	91.3	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:40ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:40ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:40ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:40ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:40ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-12:40ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-31
Project : River Islands - North&South - GWM

Lab ID : STK0937285-002
Customer ID : 3-15742

Sampled On : August 5, 2009-10:40
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.86			units	1				08/05/09 10:40	4500-H B		08/05/09 10:40

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-31
Project : River Islands - North&South - GWM

Lab ID : STK0937285-002
Customer ID : 3-15742

Sampled On : August 5, 2009-10:40
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.1	0.1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:06SJM
Calcium	580	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:06SJM
Iron	ND	0.05		mg/L	1	Uf:U	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:06SJM
Magnesium	261	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:06SJM
Manganese	29.0	0.01		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:06SJM
Potassium	7	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:06SJM
Sodium	380	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:06SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1	0.049	mg/L	1	U:Uh	4500NH3B	208803	08/21/09 11:00	4500NH3G	210904-FI206	08/24/09-05:15AMB
Alkalinity (as CaCO3)	290	10		mg/L	1	:j	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:43AMB
Bicarbonate	350	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:43AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:43AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:43AMB
Bromide	3.92	0.03		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-05:36CHL
Chloride	1550	20		mg/L	20	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-05:52CHL
Nitrate Nitrogen	ND	0.1		mg/L	1	E:E	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-05:36CHL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	E:E	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-05:36CHL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U	351.1	208850	08/24/09 09:30	EPA351.2	211034-FI206	08/26/09-04:20AMB
Solids, Total Dissolved (TDS)	4300	20		mg/L	2.04	-b	2540 C	208289	08/07/09 14:55	2540C	210195-WT219	08/10/09-08:36ACC
Sulfate	1370	40		mg/L	20	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-05:52CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-3
Project : River Islands - North&South - GWM

Lab ID : STK0937285-003
Customer ID : 3-15742

Sampled On : August 5, 2009-11:15
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	100	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:12ACC
1,2-Dichlorobenzene-d4	96.9	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:12ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:12ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:12ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:12ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:12ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:12ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-3
Project : River Islands - North&South - GWM

Lab ID : STK0937285-003
Customer ID : 3-15742

Sampled On : August 5, 2009-11:15
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.34			units	1				08/05/09 11:15	4500-H B		08/05/09 11:15

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-3
Project : River Islands - North&South - GWM

Lab ID : STK0937285-003
Customer ID : 3-15742

Sampled On : August 5, 2009-11:15
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.5	0.1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:20SJM
Calcium	101	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:20SJM
Iron	0.91	0.05		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:20SJM
Magnesium	46	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:20SJM
Manganese	4.78	0.01		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:20SJM
Potassium	4	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:20SJM
Sodium	201	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:20SJM
Wet Chemistry ^{P:1}												
Ammonia-N	0.5	0.1	0.049	mg/L	1	:h	4500NH3B	208803	08/21/09 11:00	4500NH3G	210904-FI206	08/24/09-05:16AMB
Alkalinity (as CaCO3)	130	10		mg/L	1	:j	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:52AMB
Bicarbonate	150	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:52AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:52AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-17:52AMB
Bromide	0.12	0.03		mg/L	1	:	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-09:11SBL
Chloride	346	5		mg/L	5	:	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-09:27SBL
Nitrate Nitrogen	ND	0.1		mg/L	1	E:E	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-09:11SBL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	E:E	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-09:11SBL
Nitrogen, Total Kjeldahl	1.8	0.5	0.19	mg/L	1	-b:U	351.1	208850	08/24/09 09:30	EPA351.2	211034-FI206	08/26/09-04:22AMB
Solids, Total Dissolved (TDS)	1150	20		mg/L	1	-b	2540 C	208289	08/07/09 14:55	2540C	210195-WT219	08/10/09-08:36ACC
Sulfate	270	10		mg/L	5	:	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-09:27SBL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-26
Project : River Islands - North&South - GWM

Lab ID : STK0937285-004
Customer ID : 3-15742

Sampled On : August 5, 2009-12:15
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	99.4	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:44ACC
1,2-Dichlorobenzene-d4	102	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:44ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:44ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:44ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:44ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:44ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-13:44ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-26
Project : River Islands - North&South - GWM

Lab ID : STK0937285-004
Customer ID : 3-15742

Sampled On : August 5, 2009-12:15
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	6.78			units	1				08/05/09 12:15	4500-H B		08/05/09 12:15

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : MWR-26
Project : River Islands - North&South - GWM

Lab ID : STK0937285-004
Customer ID : 3-15742

Sampled On : August 5, 2009-12:15
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.6	0.1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:25SJM
Calcium	98	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:25SJM
Iron	4.95	0.05		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:25SJM
Magnesium	57	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:25SJM
Manganese	0.28	0.01		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:25SJM
Potassium	3	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:25SJM
Sodium	200	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:25SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1	0.049	mg/L	1	U:Uh	4500NH3B	208803	08/21/09 11:00	4500NH3G	210904-FI206	08/24/09-05:18AMB
Alkalinity (as CaCO3)	210	10		mg/L	1	:j	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:00AMB
Bicarbonate	260	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:00AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:00AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:00AMB
Bromide	0.57	0.03		mg/L	1	:	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-10:43SBL
Chloride	314	5		mg/L	5	:	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-10:59SBL
Nitrate Nitrogen	ND	0.1		mg/L	1	U:U	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-10:43SBL
Nitrate + Nitrite as N	ND	0.1		mg/L	1	U:U	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-10:43SBL
Nitrogen, Total Kjeldahl	ND	0.5	0.19	mg/L	1	-b:U	351.1	208850	08/24/09 09:30	EPA351.2	211034-FI206	08/26/09-04:23AMB
Solids, Total Dissolved (TDS)	1080	20		mg/L	1	-b	2540 C	208289	08/07/09 14:55	2540C	210195-WT219	08/10/09-08:27ACC
Sulfate	240	10		mg/L	5	:	300.0	208343	08/07/09 08:30	300.0	210228-IC204	08/07/09-10:59SBL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : DS-1
Project : River Islands - North&South - GWM

Lab ID : STK0937285-005
Customer ID : 3-15742

Sampled On : August 5, 2009-09:35
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	100	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:15ACC
1,2-Dichlorobenzene-d4	91.1	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:15ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:15ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:15ACC
Chloroform	ND	0.5	0.1	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:15ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:15ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:15ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : DS-1
Project : River Islands - North&South - GWM

Lab ID : STK0937285-005
Customer ID : 3-15742

Sampled On : August 5, 2009-09:35
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.75			units	1				08/05/09 09:35	4500-H B		08/05/09 09:35

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : DS-1
Project : River Islands - North&South - GWM

Lab ID : STK0937285-005
Customer ID : 3-15742

Sampled On : August 5, 2009-09:35
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.4	0.1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:30SJM
Calcium	92	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:30SJM
Iron	0.08	0.05		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:30SJM
Magnesium	40	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:30SJM
Manganese	0.29	0.01		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:30SJM
Potassium	4	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:30SJM
Sodium	144	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:30SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1	0.049	mg/L	1	U:Uh	4500NH3B	208803	08/21/09 11:00	4500NH3G	210904-FI206	08/24/09-05:19AMB
Alkalinity (as CaCO3)	130	10		mg/L	1	:j	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:09AMB
Bicarbonate	160	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:09AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:09AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:09AMB
Bromide	0.70	0.03		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-04:19CHL
Chloride	272	5		mg/L	5	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-04:35CHL
Nitrate Nitrogen	2.4	0.1		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-04:19CHL
Nitrate + Nitrite as N	2.4	0.1		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-04:19CHL
Nitrogen, Total Kjeldahl	0.6	0.5	0.19	mg/L	1	-b:U	351.1	208850	08/24/09 09:30	EPA351.2	211034-FI206	08/26/09-04:24AMB
Solids, Total Dissolved (TDS)	790	20		mg/L	1	-b	2540 C	208289	08/07/09 14:55	2540C	210195-WT219	08/10/09-08:28ACC
Sulfate	146	2		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-04:19CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : DS-2
Project : River Islands - North&South - GWM

Lab ID : STK0937285-006
Customer ID : 3-15742

Sampled On : August 5, 2009-10:00
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
4-Bromofluorobenzene	90.7	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:47ACC
1,2-Dichlorobenzene-d4	82.5	70-130		%	1	:	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:47ACC
Bromodichloromethane	ND	0.5	0.053	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:47ACC
Bromoform	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:47ACC
Chloroform	0.481	0.5	0.1	ug/L	1	E:E	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:47ACC
Dibromochloromethane	ND	0.5	0.07	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:47ACC
Total Trihalomethanes	ND	0.5	0.058	ug/L	1	U:U	524.2	208648	08/18/09 08:19	524.2	210645-GM205	08/18/09-14:47ACC

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.

Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : DS-2
Project : River Islands - North&South - GWM

Lab ID : STK0937285-006
Customer ID : 3-15742

Sampled On : August 5, 2009-10:00
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Field Test												
pH	7.57			units	1				08/05/09 10:00	4500-H B		08/05/09 10:00

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2

ANALYTICAL CHEMISTS
August 27, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

Description : DS-2
Project : River Islands - North&South - GWM

Lab ID : STK0937285-006
Customer ID : 3-15742

Sampled On : August 5, 2009-10:00
Sampled By : Brandon Meyers
Received On : August 5, 2009-12:55
Matrix : Monitoring Well

Sample Results - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Metals, Diss ^{P:15}												
Boron	0.4	0.1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:35SJM
Calcium	93	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:35SJM
Iron	ND	0.05		mg/L	1	Ef:E	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:35SJM
Magnesium	39	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:35SJM
Manganese	0.36	0.01		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:35SJM
Potassium	4	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:35SJM
Sodium	135	1		mg/L	1	f:	200.7	208341	08/10/09 12:30	200.7	210295-I_207	08/10/09-22:35SJM
Wet Chemistry ^{P:1}												
Ammonia-N	ND	0.1	0.049	mg/L	1	U:Uh	4500NH3B	208803	08/21/09 11:00	4500NH3G	210904-FI206	08/24/09-05:20AMB
Alkalinity (as CaCO3)	140	10		mg/L	1	:j	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:16AMB
Bicarbonate	170	10		mg/L	1.000	:	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:16AMB
Carbonate	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:16AMB
Hydroxide	ND	10		mg/L	1.000	:U	2320B	208244	08/07/09 07:30	2320B	210198-MT201	08/07/09-18:16AMB
Bromide	0.68	0.03		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-01:30CHL
Chloride	264	5		mg/L	5	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-01:46CHL
Nitrate Nitrogen	4.7	0.1		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-01:30CHL
Nitrate + Nitrite as N	4.8	0.1		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-01:30CHL
Nitrogen, Total Kjeldahl	0.8	0.5	0.19	mg/L	1	-b:U	351.1	208850	08/24/09 09:30	EPA351.2	211034-FI206	08/26/09-04:29AMB
Solids, Total Dissolved (TDS)	840	20		mg/L	1	-b	2540 C	208340	08/10/09 11:30	2540C	210265-WT219	08/11/09-09:22ACC
Sulfate	141	2		mg/L	1	:	300.0	208275	08/06/09 16:20	300.0	210131-IC204	08/07/09-01:30CHL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (), (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2



Analytical Chemists

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937285
 Customer : 3-15742

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	08/18/2009:208648	Blank	ug/L	10.00	83.3 %	70-130	
			BS	ug/L	10.00	78.7 %	70-130	
			BSD	ug/L	10.00	92.9 %	70-130	
			BSRPD	ug/L	10.00	16.6%	≤30	
	524.2	08/18/2009:210645	CCV	ug/L	10.00	80.7 %	70-130	
4-Bromofluorobenzene	524.2	08/18/2009:208648	Blank	ug/L	10.00	94.9 %	70-130	
			BS	ug/L	10.00	91.5 %	70-130	
			BSD	ug/L	10.00	96.4 %	70-130	
			BSRPD	ug/L	10.00	5.3%	≤30	
4-Bromofluorobenzene (BFB)	524.2	08/18/2009:210645	CCV	ug/L	10.00	89.1 %	70-130	
Bromodichloromethane	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	98.1 %	63-134	
			BSD	ug/L	10.00	102 %	63-134	
			BSRPD	ug/L	10.00	4.4%	≤15.6	
	524.2	08/18/2009:210645	CCV	ug/L	10.00	101 %	70-130	
Bromoform	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	76.4 %	55-147	
			BSD	ug/L	10.00	76.7 %	55-147	
			BSRPD	ug/L	10.00	0.3%	≤18.7	
	524.2	08/18/2009:210645	CCV	ug/L	10.00	75.2 %	70-130	
Chloroform	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	77.2 %	57-155	
			BSD	ug/L	10.00	84.7 %	57-155	
			BSRPD	ug/L	10.00	9.2%	≤18.2	
	524.2	08/18/2009:210645	CCV	ug/L	10.00	73.0 %	70-130	
Dibromochloromethane	524.2	08/18/2009:208648	Blank	ug/L		ND	<0.5	
			BS	ug/L	10.00	77.7 %	66-128	
			BSD	ug/L	10.00	77.3 %	66-128	
			BSRPD	ug/L	10.00	0.4%	≤22.0	
	524.2	08/18/2009:210645	CCV	ug/L	10.00	77.1 %	70-130	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937285
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	08/10/2009:208341 (STK0937285-001)	MS	mg/L	4.000	104 %	75-125	
			MSD	mg/L	4.000	104 %	75-125	
			MSRPD	mg/L	4.000	0.4%	≤20.0	
	200.7	08/10/2009:210295	CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.008	0.1	
			CCV	ppm	5.000	100 %	90-110	
			CCB	ppm		0.011	0.1	
			CCV	ppm	5.000	99.7 %	90-110	
			CCB	ppm		0.011	0.1	
Calcium	200.7	08/10/2009:208341 (STK0937285-001)	MS	mg/L	12.51	-37.6 %	<¼	
			MSD	mg/L	12.51	85.5 %	75-125	
			MSRPD	mg/L	4.000	4.8%	≤20.0	
	200.7	08/10/2009:210295	CCV	ppm	25.02	100 %	90-110	
			CCB	ppm		-0.002	1.0	
			CCV	ppm	25.02	107 %	90-110	
			CCB	ppm		0.01	1.0	
			CCV	ppm	25.02	103 %	90-110	
			CCB	ppm		0.02	1.0	
Iron	200.7	08/10/2009:208341 (STK0937285-001)	MS	ug/L	3992	100 %	75-125	
			MSD	ug/L	3992	105 %	75-125	
			MSRPD	ug/L	4.000	4.7%	≤20.0	
	200.7	08/10/2009:210295	CCV	ppm	4.990	99.5 %	90-110	
			CCB	ppm		0.0439	0.05	
			CCV	ppm	4.990	106 %	90-110	
			CCB	ppm		0.0410	0.05	
			CCV	ppm	4.990	102 %	90-110	
			CCB	ppm		0.0218	0.05	
Magnesium	200.7	08/10/2009:208341 (STK0937285-001)	MS	mg/L	12.51	43.2 %	<¼	
			MSD	mg/L	12.51	105 %	75-125	
			MSRPD	mg/L	4.000	5.1%	≤20.0	
	200.7	08/10/2009:210295	CCV	ppm	25.02	99.3 %	90-110	
			CCB	ppm		-0.04	1.0	
			CCV	ppm	25.02	105 %	90-110	
			CCB	ppm		-0.05	1.0	
			CCV	ppm	25.02	100 %	90-110	
			CCB	ppm		-0.02	1.0	
Manganese	200.7	08/10/2009:208341 (STK0937285-001)	MS	ug/L	799.2	77.3 %	75-125	
			MSD	ug/L	799.2	101 %	75-125	
			MSRPD	ug/L	4.000	5.2%	≤20.0	
	200.7	08/10/2009:210295	CCV	ppm	0.9990	99.6 %	90-110	
			CCB	ppm		0.0033	0.03	
			CCV	ppm	0.9990	105 %	90-110	
			CCB	ppm		0.0012	0.03	
			CCV	ppm	0.9990	100 %	90-110	
			CCB	ppm		0.0019	0.03	
Potassium	200.7	08/10/2009:208341 (STK0937285-001)	MS	mg/L	12.50	106 %	75-125	
			MSD	mg/L	12.50	113 %	75-125	
			MSRPD	mg/L	4.000	5.4%	≤20.0	
	200.7	08/10/2009:210295	CCV	ppm	25.00	99.4 %	90-110	
			CCB	ppm		-0.02	1.0	
			CCV	ppm	25.00	106 %	90-110	
			CCB	ppm		-0.01	1.0	
			CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.03	1.0	
Sodium	200.7	08/10/2009:208341	MS	mg/L	12.50	-13.6 %	<¼	

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937285
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	(STK0937285-001)	MSD	mg/L	12.50	76.0 %	75-125	
			MSRPD	mg/L	4.000	5.7%	≤20.0	
	200.7	08/10/2009:210295	CCV	ppm	25.00	99.8 %	90-110	
			CCB	ppm		0.001	1.0	
			CCV	ppm	25.00	106 %	90-110	
			CCB	ppm		0.002	1.0	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.005	1.0	
Wet Chem								
Alkalinity (as CaCO3)	2320B	08/07/2009:208244	Dup	mg/L		4.0%	3.42	440
	2320B	08/07/2009:210198	CCV	mg/L	234.9	94.0 %	90-110	
			CCV	mg/L	234.9	94.3 %	90-110	
Bicarbonate	2320B	08/07/2009:208244	Dup	mg/L		4.2%	4.78	
Carbonate	2320B	08/07/2009:208244	Dup	mg/L		0.0	10	
Hydroxide	2320B	08/07/2009:208244	Dup	mg/L		0.0	10	
Solids, Total Dissolved	2540 C	08/07/2009:208289	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	104 %	90-110	
			LCS	mg/L	995.0	101 %	90-110	
			Dup	mg/L		3.4%	10.0	
	2540 C	08/10/2009:208340	Blank	mg/L		ND	<20	
			LCS	mg/L	995.0	105 %	90-110	
			LCS	mg/L	995.0	102 %	90-110	
			Dup	mg/L		5.6%	10.0	
Bromide	300.0	08/06/2009:208275	LCS	mg/L	5.000	97.4 %	90-110	
			MS	mg/L	100.0	103 %	90-121	
		(STK0937275-001)	MSD	mg/L	100.0	104 %	90-121	
			MSRPD	mg/L	100.0	1.1%	≤1.61	
	300.0	08/07/2009:208343	LCS	mg/L	5.000	96.4 %	90-110	
			MS	mg/L	100.0	102 %	90-121	
		(VI 0941868-001)	MSD	mg/L	100.0	100 %	90-121	
			MSRPD	mg/L	100.0	1.4%	≤1.61	
	300.0	08/07/2009:210131	CCB	ppb		0.0	30	
			CCV	ppb	5000	96.4 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	97.4 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	97.8 %	90-110	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	97.0 %	90-110	
	300.0	08/07/2009:210228	ICV	ppb	10000	97.0 %	90-110	
			ICB	ppb		0.0	30	
			CCB	ppb		0.0	30	
			CCV	ppb	5000	96.1 %	90-110	
Chloride	300.0	08/06/2009:208275	LCS	mg/L	25.00	99.5 %	90-110	
			MS	mg/L	500.0	103 %	86-128	
		(STK0937275-001)	MSD	mg/L	500.0	104 %	86-128	
			MSRPD	mg/L	100.0	1.2%	≤23.0	
	300.0	08/07/2009:208343	LCS	mg/L	25.00	97.4 %	90-110	
			MS	mg/L	500.0	102 %	86-128	
		(VI 0941868-001)	MSD	mg/L	500.0	101 %	86-128	
			MSRPD	mg/L	100.0	1.1%	≤23.0	
	300.0	08/07/2009:210131	CCB	ppm		0.00	1	
			CCV	ppm	25.00	98.4 %	90-110	
			CCB	ppm		0.00	1	

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937285
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Chloride	300.0	08/07/2009:210131	CCV	ppm	25.00	98.9 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	99.6 %	90-110	
			CCB	ppm		0.00	1	
			CCV	ppm	25.00	99.4 %	90-110	
	300.0	08/07/2009:210228	ICV	ppm	50.00	99.2 %	90-110	
			ICB	ppm		0.00	1	
			CCB	ppm		0.03	1	
			CCV	ppm	25.00	98.1 %	90-110	
Nitrate	300.0	08/06/2009:208275 (STK0937275-001)	LCS	mg/L	20.00	99.2 %	90-110	
			MS	mg/L	400.0	103 %	88-124	
			MSD	mg/L	400.0	104 %	88-124	
			MSRPD	mg/L	100.0	0.7%	≤29.1	
	300.0	08/07/2009:208343 (VI 0941868-001)	LCS	mg/L	20.00	97.3 %	90-110	
			MS	mg/L	400.0	102 %	88-124	
			MSD	mg/L	400.0	101 %	88-124	
			MSRPD	mg/L	100.0	1.1%	≤29.1	
	300.0	08/07/2009:210131	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	97.6 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	97.8 %	90-110	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	98.3 %	90-110	
	300.0	08/07/2009:210228	CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	99.1 %	90-110	
			ICV	ppm	40.00	97.3 %	90-110	
			ICB	ppm		0.000	0.4	
			CCB	ppm		0.000	0.4	
			CCV	ppm	20.00	97.3 %	90-110	
Sulfate	300.0	08/06/2009:208275 (STK0937275-001)	LCS	mg/L	50.00	102 %	90-110	
			MS	mg/L	1000	103 %	78-137	
			MSD	mg/L	1000	105 %	78-137	
			MSRPD	mg/L	100.0	1.2%	≤12.3	
	300.0	08/07/2009:208343 (VI 0941868-001)	LCS	mg/L	50.00	99.5 %	90-110	
			MS	mg/L	1000	102 %	78-137	
			MSD	mg/L	1000	101 %	78-137	
			MSRPD	mg/L	100.0	0.8%	≤12.3	
	300.0	08/07/2009:210131	CCB	ppm		0.00	2	
			CCV	ppm	50.00	99.4 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	101 %	90-110	
			CCB	ppm		0.00	2	
			CCV	ppm	50.00	101 %	90-110	
	300.0	08/07/2009:210228	CCB	ppm		0.00	2	
			CCV	ppm	50.00	101 %	90-110	
			ICV	ppm	100.0	98.2 %	90-110	
			ICB	ppm		0.00	2	
			CCB	ppm		0.17	2	
			CCV	ppm	50.00	98.9 %	90-110	
Nitrogen, Total Kjeldahl	351.1	08/24/2009:208850 (SP 0907825-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	10.00	58.9 %	41-148	
			LCS	mg/L	10.00	60.0 %	41-148	
			MS	mg/L	0.4000	74.5 %	25-149	
			MSD	mg/L	0.4000	127 %	25-149	

August 27, 2009
HydroFocus, Inc.

Lab ID : STK0937285
Customer : 3-15742

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note	
Wet Chem									
Nitrogen, Total Kjeldahl	351.1	08/24/2009:208850	MSRPD	mg/L	0.4000	0.21	≤1		
Ammonia Nitrogen	4500NH3B	08/21/2009:208803 (SP 0907825-001)	Blank	mg/L		ND	<0.2	435	
			LCS	mg/L	10.00	67.1 %	63-116		
			MS	mg/L	0.4000	153 %	17-127		
			MSD	mg/L	0.4000	83.8 %	17-127		
				MSRPD	mg/L	0.4000	0.28	≤0.2	435
	4500NH3G	08/24/2009:210904	CCB	mg/L		0.000	0.2		
			CCV	mg/L	2.000	90.8 %	90-110		
			CCB	mg/L		0.000	0.2		
CCV			mg/L	2.000	91.0 %	90-110			
Nitrogen, Total Kjeldahl	EPA351.2	08/26/2009:211034	CCB	mg/L		-0.032	0.2		
			CCV	mg/L	2.000	104 %	90-110		
			CCB	mg/L		-0.036	0.2		
			CCV	mg/L	2.000	105 %	90-110		
			CCB	mg/L		-0.016	0.2		
			CCV	mg/L	2.000	93.2 %	90-110		
Definition									
ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.									
ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.									
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.									
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.									
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.									
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.									
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.									
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.									
Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.									
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.									
ND : Non-detect - Result was below the DQO listed for the analyte.									
<¼ : High Sample Background - Spike concentration was less than one forth of the sample concentration.									
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.									
Explanation									
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.									
440 : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.									

ANALYTICAL CHEMISTS
August 12, 2009

HydroFocus, Inc.
Teresa Deverel
P.O. Box 2401
Davis, CA 95617

STK0937285:1-6 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 3-15742

System Number :
Project Name : River Islands - North&South - GWM

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	STK0937285-001	MWR-27	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/05/2009 09:10	08/05/2009 13:04 MO	2009-08-07 MO
2	STK0937285-002	MWR-31	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/05/2009 10:40	08/05/2009 13:06 MO	2009-08-09 MO
3	STK0937285-003	MWR-3	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/05/2009 11:15	08/05/2009 13:05 CTH	2009-08-09 CTH
4	STK0937285-004	MWR-26	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/05/2009 12:15	08/05/2009 13:07 CTH	2009-08-07 CTH
5	STK0937285-005	DS-1	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/05/2009 09:35	08/05/2009 13:09 CTH	2009-08-07 CTH
6	STK0937285-006	DS-2	Waste-Other	Brandon Meyers	HydroFocus, Inc.	08/05/2009 10:00	08/05/2009 13:11 CTH	2009-08-07 CTH

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	Person	Date	Time	Foot Note
1	MWR-27	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
2	MWR-31	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
3	MWR-3	---	---	SM 9221B	MPN/100ml	4	<2	N/R			
4	MWR-26	---	---	SM 9221B	MPN/100ml	<2	<2	N/R			
5	DS-1	---	---	SM 9221B	MPN/100ml	>1600	50	N/R			
6	DS-2	---	---	SM 9221B	MPN/100ml	>1600	80	N/R			

N/R Not Required.

MPN Most Probable Number

A/P Absence/Presence

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2009-08-17



Analytical Chemists
August 10, 2009

Veolia Water NA-Lathrop-Crossroads
18800 Christopher Way
Lathrop, CA 95330

Lab ID : STK0936708
Customer : 3-15058

Laboratory Report

Introduction: This report package contains total of 33 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (27 pages) : Results for each sample submitted.
Quality Control (4 pages) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
W-1	07/27/2009	07/27/2009	STK0936708-001	MW
W-2	07/27/2009	07/27/2009	STK0936708-002	MW
MW-5	07/27/2009	07/27/2009	STK0936708-003	MW
KMW-1	07/27/2009	07/27/2009	STK0936708-004	MW
KMW-2	07/27/2009	07/27/2009	STK0936708-005	MW
KMW-3	07/27/2009	07/27/2009	STK0936708-006	MW
KMW-4	07/27/2009	07/27/2009	STK0936708-007	MW
KMW-6	07/27/2009	07/27/2009	STK0936708-008	MW
KMW-7	07/27/2009	07/27/2009	STK0936708-009	MW

Sampling and Receipt Information: All samples were performed by FGL using the following methods (where applicable):

Bacteriological Sampling	- SOP:S0FS005
Grab sampling for liquids	- SOP:S0FS010
Composite sampling for liquids	- SOP:S0FS015
Grab sampling for solids	- SOP:S0FS020
Composite sampling for solids	- SOP:S0FS025

All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

August 10, 2009
Veolia Water NA-Lathrop-Crossroads

Lab ID : STK0936708
Customer : 3-15058

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	07/30/2009:209754 All analysis quality controls are within established criteria
	07/31/2009:209837 All analysis quality controls are within established criteria
3010	07/29/2009:207872 All preparation quality controls are within established criteria

Organic QC

5030B	07/30/2009:207971 All preparation quality controls are within established criteria
8260B	07/30/2009:209791 All analysis quality controls are within established criteria

Inorganic - Wet Chemistry QC

2540 C	07/29/2009:207891 All preparation quality controls are within established criteria
300.0	07/28/2009:209626 All analysis quality controls are within established criteria
	07/29/2009:209626 All analysis quality controls are within established criteria
	07/28/2009:207874 All preparation quality controls are within established criteria
351.1	08/05/2009:208155 All preparation quality controls are within established criteria
4500NH3B	08/05/2009:208158 All preparation quality controls are within established criteria
4500NH3G	08/06/2009:210025 All analysis quality controls are within established criteria
EPA351.2	08/07/2009:210091 All analysis quality controls are within established criteria

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2009-08-10



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-001
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-08:52
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : W-1
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	109	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	106	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	113	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	100	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-001
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-08:52
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : W-1
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	0.9	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	0.67	0.05	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Manganese	2.58	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	420	2	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	400	10	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrate Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrite Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	2180	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-001
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-08:52
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : W-1
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	6.62		units			07/27/09 08:52	4500-H B	07/27/09 08:52

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-002
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-09:20
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : W-2
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	109	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	113	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	106	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	96.6	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-002
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-09:20
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : W-2
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	0.6	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	ND	0.05	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Manganese	0.33	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	462	2	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	330	10	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrate Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrite Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	1280	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-002
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-09:20
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : W-2
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	7.33		units			07/27/09 09:20	4500-H B	07/27/09 09:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-003
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-11:50
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : MW-5
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	108	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	113	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	113	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	105	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-003
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-11:50
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : MW-5
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	1.8	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	1.11	0.05	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Manganese	0.52	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	984	5	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	630	10	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrate Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrite Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	3100	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-003
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-11:50
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : MW-5
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	7.28		units			07/27/09 11:50	4500-H B	07/27/09 11:50

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-004
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-11:30
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-1
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	112	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	114	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	117	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	100	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-004
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-11:30
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-1
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	1.0	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	0.10	0.05	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Manganese	2.84	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	588	5	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	920	20	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrate Nitrogen	2.2	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrite Nitrogen	0.1	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	2750	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-004
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-11:30
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-1
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	6.91		units			07/27/09 11:30	4500-H B	07/27/09 11:30

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-005
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-09:53
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-2
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	104	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	114	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	117	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	99.6	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-005
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-09:53
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-2
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	0.7	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	0.08	0.05	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Manganese	3.13	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	367	2	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	310	10	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrate Nitrogen	8.1	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrite Nitrogen	0.2	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	1910	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-005
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-09:53
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-2
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	6.99		units			07/27/09 09:53	4500-H B	07/27/09 09:53

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-006
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-10:54
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-3
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	104	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	115	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	114	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	105	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-006
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-10:54
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-3
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	1.1	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	0.10	0.05	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Manganese	1.22	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	724	5	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	510	10	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrate Nitrogen	13.4	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrite Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/28/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	3480	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-006
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-10:54
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-3
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	7.16		units			07/27/09 10:54	4500-H B	07/27/09 10:54

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-007
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-07:59
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-4
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	110	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	113	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	110	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	101	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.


 Analytical Chemists
 August 10, 2009

 Lab ID : STK0936708-007
 Customer ID : 3-15058
Veolia Water NA-Lathrop-Crossroads
 18800 Christopher Way
 Lathrop, CA 95330

 Sampled On : July 27, 2009-07:59
 Sampled By : Ken Moffitt
 Received On : July 27, 2009-12:30
 Matrix : Monitoring Well

 Description : KMW-4
 Project : CR-Ground Water Monitoring-1
Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	1.5	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	0.32	0.05	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Manganese	1.17	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	482	2	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	320	10	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrate Nitrogen	52	1	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrite Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	2500	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

 ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
 ‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-007
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-07:59
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-4
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	6.58		units			07/27/09 07:59	4500-H B	07/27/09 07:59

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-008
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-07:29
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-6
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	112	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	116	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	116	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	104	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-008
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-07:29
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-6
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	0.3	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	0.08	0.05	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Manganese	0.39	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	82	1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Wet Chemistry ^{P:1}								
Ammonia-N	14.7	0.4	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	122	5	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrate Nitrogen	10.9	0.1	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrite Nitrogen	ND	0.1	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrogen, Total Kjeldahl	28	2	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	710	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-008
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-07:29
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-6
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	6.53		units			07/27/09 07:29	4500-H B	07/27/09 07:29

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-009
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-10:24
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-7
Project : CR-Ground Water Monitoring-1

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 8260 ^{VOA:13}								
4-Bromofluorobenzene [‡]	108	80-127	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromofluoromethane [‡]	115	68-148	%		5030B	07/30/09:207971	8260B	07/30/09:207971
1,2-Dichloroethane-d4 [‡]	111	73-138	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Toluene-d8 [‡]	104	75-118	%		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromodichloromethane	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Bromoform	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Chloroform	ND	0.5	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971
Dibromochloromethane	ND	1	ug/L		5030B	07/30/09:207971	8260B	07/30/09:207971

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-009
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-10:24
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-7
Project : CR-Ground Water Monitoring-1

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total ^{P:15}								
Boron	1.6	0.1	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Iron	0.06	0.05	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Manganese	ND	0.01	mg/L		3010	07/29/09:207872	200.7	07/30/09:209754
Sodium	948	5	mg/L		3010	07/29/09:207872	200.7	07/31/09:209837
Wet Chemistry ^{P:1}								
Ammonia-N	ND	0.2	mg/L		4500NH3B	08/05/09:208158	4500NH3G	08/06/09:210025
Chloride	420	10	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrate Nitrogen	4.1	0.1	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrite Nitrogen	0.2	0.1	mg/L		300.0	07/28/09:207874	300.0	07/29/09:209626
Nitrogen, Total Kjeldahl	ND	1	mg/L		351.1	08/05/09:208155	EPA351.2	08/07/09:210091
Solids, Total Dissolved (TDS)	2310	20	mg/L		2540 C	07/29/09:207891	2540C	07/30/09:209680

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists
August 10, 2009

Lab ID : STK0936708-009
Customer ID : 3-15058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way
Lathrop, CA 95330

Sampled On : July 27, 2009-10:24
Sampled By : Ken Moffitt
Received On : July 27, 2009-12:30
Matrix : Monitoring Well

Description : KMW-7
Project : CR-Ground Water Monitoring-1

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test pH	8.68		units			07/27/09 10:24	4500-H B	07/27/09 10:24

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, HNO3 pH < 2, HCl pH < 2
‡Surrogate.



Analytical Chemists

August 10, 2009
 Veolia Water NA-Lathrop-Crossroads

Lab ID : STK0936708
 Customer : 3-15058

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichloroethane-d4	5030B	07/30/2009:207971 (SP 0907406-001)	Blank	ug/L	25.00	108 %	73-138	
			LCS	ug/L	25.00	107 %	73-138	
			MS	ug/L	25.00	118 %	73-163	
			MSD	ug/L	25.00	107 %	73-163	
			MSRPD	ug/L	25.00	10.2%	≤20.0	
4-Bromofluorobenzene	5030B	07/30/2009:207971 (SP 0907406-001)	Blank	ug/L	25.00	103 %	80-127	
			LCS	ug/L	25.00	108 %	80-127	
			MS	ug/L	25.00	107 %	88-114	
			MSD	ug/L	25.00	110 %	88-114	
			MSRPD	ug/L	25.00	2.9%	≤20.0	
Bromodichloromethane	5030B	07/30/2009:207971	Blank	ug/L		ND	<0.5	
Bromoform	5030B	07/30/2009:207971	Blank	ug/L		ND	<1	
Chloroform	5030B	07/30/2009:207971	Blank	ug/L		ND	<0.5	
Dibromochloromethane	5030B	07/30/2009:207971	Blank	ug/L		ND	<1	
Dibromofluoromethane	5030B	07/30/2009:207971 (SP 0907406-001)	Blank	ug/L	25.00	106 %	68-148	
			LCS	ug/L	25.00	103 %	68-148	
			MS	ug/L	25.00	111 %	78-150	
			MSD	ug/L	25.00	105 %	78-150	
			MSRPD	ug/L	25.00	5.5%	≤20.0	
Toluene-d8	5030B	07/30/2009:207971 (SP 0907406-001)	Blank	ug/L	25.00	102 %	75-118	
			LCS	ug/L	25.00	105 %	75-118	
			MS	ug/L	25.00	92.4 %	65-125	
			MSD	ug/L	25.00	87.3 %	65-125	
			MSRPD	ug/L	25.00	5.7%	≤20.0	
1,2-Dichloroethane-d4	8260B	07/30/2009:207971	CCV	ug/L	25.00	99.9 %	70-130	
4-Bromofluorobenzene (BFB)	8260B	07/30/2009:207971	CCV	ug/L	25.00	110 %	70-130	
Bromodichloromethane	8260B	07/30/2009:207971	CCV	ug/L	25.00	100 %	70-130	
Bromoform	8260B	07/30/2009:207971	CCV	ug/L	25.00	91.7 %	70-130	
Chloroform	8260B	07/30/2009:207971	CCV	ug/L	25.00	105 %	80-120	
Dibromochloromethane	8260B	07/30/2009:207971	CCV	ug/L	25.00	83.1 %	70-130	
Dibromofluoromethane	8260B	07/30/2009:207971	CCV	ug/L	25.00	102 %	70-130	
Toluene-d8	8260B	07/30/2009:207971	CCV	ug/L	25.00	102 %	70-130	
Definition								
CCV			: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.					
Blank			: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.					
LCS			: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.					
MS			: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.					
MSD			: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.					
MSRPD			: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.					
ND			: Non-detect - Result was below the DQO listed for the analyte.					
DQO			: Data Quality Objective - This is the criteria against which the quality control data is compared.					

August 10, 2009
Veolia Water NA-Lathrop-Crossroads

Lab ID : STK0936708
 Customer : 3-15058

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Boron	200.7	07/30/2009:209754	CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.025	0.10	
			CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.036	0.10	
			CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.030	0.10	
Iron	200.7	07/30/2009:209754	CCV	ppm	4.990	97.9 %	90-110	
			CCB	ppm		-0.0067	0.05	
			CCV	ppm	4.990	97.3 %	90-110	
			CCB	ppm		-0.0075	0.05	
	200.7	07/31/2009:209837	ICV	ppm	4.990	100 %	95-105	
			ICB	ppm		-0.0070	0.05	
			CCV	ppm	4.990	102 %	90-110	
			CCB	ppm		-0.0075	0.05	
Manganese	200.7	07/30/2009:209754	CCV	ppm	0.9990	99.3 %	90-110	
			CCB	ppm		0.00002	0.01	
			CCV	ppm	0.9990	98.8 %	90-110	
			CCB	ppm		0.00004	0.01	
			CCV	ppm	0.9990	102 %	90-110	
			CCB	ppm		0.0001	0.01	
Sodium	200.7	07/30/2009:209754	CCV	ppm	25.00	96.3 %	90-110	
			CCB	ppm		0.07	1.0	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		-0.22	1.0	
	200.7	07/31/2009:209837	ICV	ppm	25.00	96.0 %	95-105	
			ICB	ppm		0.08	1.0	
			CCV	ppm	25.00	97.0 %	90-110	
			CCB	ppm		0.19	1.0	
Boron	3010	07/29/2009:207872 (VI 0941644-005)	Blank	mg/L		ND	<0.10	
			LCS	mg/L	4.000	105 %	85-115	
			MS	mg/L	4.000	105 %	75-125	
			MSD	mg/L	4.000	108 %	75-125	
			MSRPD	mg/L	0.7992	2.3 %	≤20.0	
			PDS	mg/L	4.000	103 %	75-125	
Iron	3010	07/29/2009:207872 (VI 0941644-005)	Blank	mg/L		ND	<0.05	
			LCS	mg/L	3.992	106 %	85-115	
			MS	mg/L	3.992	102 %	75-125	
			MSD	mg/L	3.992	106 %	75-125	
			MSRPD	mg/L	0.7992	2.4 %	≤20.0	
			PDS	mg/L	3.992	99.3 %	75-125	
Manganese	3010	07/29/2009:207872 (VI 0941644-005)	Blank	mg/L		ND	<0.01	
			LCS	mg/L	0.7992	106 %	85-115	
			MS	mg/L	0.7992	105 %	75-125	
			MSD	mg/L	0.7992	107 %	75-125	
			MSRPD	mg/L	0.7992	1.7 %	≤20	
			PDS	mg/L	0.7992	101 %	75-125	
Sodium	3010	07/29/2009:207872 (VI 0941644-005)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.50	100 %	85-115	
			MS	mg/L	12.50	100 %	75-125	
			MSD	mg/L	12.50	101 %	75-125	
			MSRPD	mg/L	0.7992	1.2 %	≤20.0	

August 10, 2009
Veolia Water NA-Lathrop-Crossroads

Lab ID : STK0936708
 Customer : 3-15058

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note			
Metals											
Sodium	3010	07/29/2009:207872	PDS	mg/L	12.50	96.2 %	75-125				
Wet Chem											
Solids, Total Dissolved	2540 C	07/29/2009:207891	Blank LCS LCS Dup	mg/L mg/L mg/L mg/L	 995.0 995.0	ND 98.4 % 101 % 0.3%	<20 90-110 90-110 10.0				
Chloride	300.0	07/28/2009:207874 (SP 0907439-001)	LCS	mg/L	25.00	99.5 %	90-110				
			MS	mg/L	500.0	104 %	86-128				
			MSD	mg/L	500.0	104 %	86-128				
			MSRPD	mg/L	100.0	0.3%	≤23.0				
	300.0	07/28/2009:209626	CCB	ppm		0.00	1				
			CCV	ppm	25.00	102 %	90-110				
			CCB	ppm		0.00	1				
			CCV	ppm	25.00	103 %	90-110				
			CCB	ppm		0.00	1				
			CCV	ppm	25.00	102 %	90-110				
Nitrate	300.0	07/28/2009:207874 (SP 0907439-001)	LCS	mg/L	20.00	99.1 %	90-110				
			MS	mg/L	400.0	104 %	88-124				
			MSD	mg/L	400.0	104 %	88-124				
			MSRPD	mg/L	100.0	0.1%	≤29.1				
	300.0	07/28/2009:209626	CCB	ppm		0.000	0.4				
			CCV	ppm	20.00	102 %	90-110				
			CCB	ppm		0.000	0.4				
			CCV	ppm	20.00	103 %	90-110				
			CCB	ppm		0.000	0.4				
			CCV	ppm	20.00	101 %	90-110				
Nitrite	300.0	07/28/2009:207874 (SP 0907439-001)	LCS	mg/L	15.00	108 %	90-110				
			MS	mg/L	300.0	102 %	91-121				
			MSD	mg/L	300.0	101 %	91-121				
			MSRPD	mg/L	100.0	1.2%	≤23.8				
	300.0	07/28/2009:209626	CCB	ppm		0.000	0.3				
			CCV	ppm	15.00	110 %	90-110				
			CCB	ppm		0.000	0.3				
			CCV	ppm	15.00	109 %	90-110				
			CCB	ppm		0.000	0.3				
			CCV	ppm	15.00	109 %	90-110				
Nitrogen, Total Kjeldahl	351.1	08/05/2009:208155 (STK0936708-001)	Blank	mg/L		ND	<1				
			LCS	mg/L	10.00	81.9 %	41-148				
			LCS	mg/L	10.00	84.1 %	41-148				
			MS	mg/L	0.4000	141 %	25-149				
	300.0	07/28/2009:209626	MSD	mg/L	0.4000	61.5 %	25-149				
			MSRPD	mg/L	0.4000	0.32	≤1				
			Ammonia Nitrogen	4500NH3B	08/05/2009:208158 (SP 0907379-001)	Blank	mg/L		ND	<0.2	
						LCS	mg/L	10.00	78.3 %	63-116	
MS	mg/L	0.4000				1130 %	<¼				
MSD	mg/L	0.4000				402 %	<¼				
4500NH3G	08/06/2009:210025	MSRPD		mg/L	0.4000	20.0%	≤80.2				
		ICB		mg/L		-0.112	0.2				
		ICV		mg/L	2.000	97.2 %	90-110				
		CCB		mg/L		-0.116	0.2				
300.0	07/28/2009:209626	CCV	mg/L	2.000	98.0 %	90-110					
		CCB	mg/L		-0.118	0.2					
		CCV	mg/L	2.000	97.4 %	90-110					
		CCB	mg/L		-0.111	0.2					

August 10, 2009
Veolia Water NA-Lathrop-Crossroads

Lab ID : STK0936708
 Customer : 3-15058

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Ammonia Nitrogen	4500NH3G	08/06/2009:210025	CCV	mg/L	2.000	97.4 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	08/07/2009:210091	ICB	mg/L		-0.193	0.2	
			ICV	mg/L	2.000	99.2 %	90-110	
			CCB	mg/L		-0.101	0.2	
			CCV	mg/L	2.000	101 %	90-110	
			CCB	mg/L		0.016	0.2	
			CCV	mg/L	2.000	98.9 %	90-110	
			CCB	mg/L		0.016	0.2	
			CCV	mg/L	2.000	100 %	90-110	
Definition ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria. ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria. CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. ND : Non-detect - Result was below the DQO listed for the analyte. <¼ : High Sample Background - Spike concentration was less than one fourth of the sample concentration. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								



ANALYTICAL CHEMISTS

August 3, 2009

STK0936708:1-9 **Coliform Bacteria Analysis**

Customer ID : 3015058

Veolia Water NA-Lathrop-Crossroads

18800 Christopher Way

System Number : N/A

Lathrop, CA 95330

Project Name : CR-Ground Water Monitoring-1

Analytical Results

ID	Sample Description	Total	Fecal *	Units	Method	Prep	Footnote
1	W-1	<1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
2	W-2	<1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
3	MW-5	>23.0	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
4	KMW-1	<1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
5	KMW-2	<1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
6	KMW-3	<1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
7	KMW-4	1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
8	KMW-6	<1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	
9	KMW-7	<1.1	<1.1	MPN/100ml	SM 9221B	LTB-MTF	

N/R Not Required

MPN Most Probable Number

A/P Absence/Presence

STK0936708-001 W-1 were Acceptable for both Total and Fecal Coliform

STK0936708-002 W-2 were Acceptable for both Total and Fecal Coliform

STK0936708-003 MW-5 was Present for Total Coliform and Absent for Fecal Coliform

STK0936708-004 KMW-1 were Acceptable for both Total and Fecal Coliform

STK0936708-005 KMW-2 were Acceptable for both Total and Fecal Coliform

STK0936708-006 KMW-3 were Acceptable for both Total and Fecal Coliform

STK0936708-007 KMW-4 was Present for Total Coliform and Absent for Fecal Coliform

STK0936708-008 KMW-6 were Acceptable for both Total and Fecal Coliform

STK0936708-009 KMW-7 were Acceptable for both Total and Fecal Coliform

Sample Handling Information

ID	Sample Number	System Number	Sample Type/Reason	Sampler	Employed By	Sampled
1	STK0936708-001	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 08:52
2	STK0936708-002	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 09:20
3	STK0936708-003	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 11:50
4	STK0936708-004	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 11:30
5	STK0936708-005	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 09:53
6	STK0936708-006	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 10:54
7	STK0936708-007	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 07:59
8	STK0936708-008	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 07:29
9	STK0936708-009	N/A	Source-Other	Ken Moffitt	FGL Environmental	2009-07-27 10:24

Reviewed and
Approved By

Mike Ostrom

Digitally signed by Mike Ostrom
Title: Laboratory Manager
Date: 2009-08-03

Field Analysis/QA Information

ID	Sample Description	Cl Total/Free	Units	Analysis Started	Analysis Completed	Contact	Contacted
1	W-1	---/	mg/l	2009-07-27 12:56 CTH	2009-07-29 10:52 CTH	N/R	
2	W-2	---/	mg/l	2009-07-27 12:50 CTH	2009-07-29 10:47 CTH	N/R	
3	MW-5	---/	mg/l	2009-07-27 13:00 CTH	2009-07-30 10:28 CTH	N/R	
4	KMW-1	---/	mg/l	2009-07-27 12:58 CTH	2009-07-29 10:52 CTH	N/R	
5	KMW-2	---/	mg/l	2009-07-27 12:48 CTH	2009-07-30 09:35 CTH	N/R	
6	KMW-3	---/	mg/l	2009-07-27 13:04 CTH	2009-07-29 10:55 CTH	N/R	
7	KMW-4	---/	mg/l	2009-07-27 12:52 CTH	2009-07-30 09:35 CTH	N/R	
8	KMW-6	---/	mg/l	2009-07-27 12:54 CTH	2009-07-29 10:47 CTH	N/R	
9	KMW-7	---/	mg/l	2009-07-27 13:02 CTH	2009-07-29 10:52 CTH	N/R	

Analyses were performed using Standard Methods 20th edition. If you have any questions regarding your results, please call.

Prepared By: MO



Certificate of Analysis

Report Date: Monday, August 10, 2009
Received Date: Tuesday, August 4, 2009
Received Time: 9:30 am
Turnaround Time: Normal

Client: Hydrofocus, Inc.
2827 Spafford St.
Davis, CA 95618

Phones: (530) 759-2484
Fax: (530) 756-2687

Attn: Dave Leighton
Project: 5040-Lathrop

P.O. #:

Lab Sample ID: 9H04021-01 Sample ID: MWM-1 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/29/09 11:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.35	0.0030	0.010	mg/l	1	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	97 %		90-115							

Lab Sample ID: 9H04021-02 Sample ID: MWM-2 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/29/09 14:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.59	0.0060	0.020	mg/l	2	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	100 %		90-115							

Lab Sample ID: 9H04021-03 Sample ID: MWM-3 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/29/09 13:50

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.47	0.0060	0.020	mg/l	2	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	103 %		90-115							

Lab Sample ID: 9H04021-04 Sample ID: MWM-4 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/29/09 13:25

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.89	0.015	0.050	mg/l	5	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	101 %		90-115							

Lab Sample ID: 9H04021-05 Sample ID: MWM-22 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/28/09 12:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.55	0.0060	0.020	mg/l	2	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	100 %		90-115							

Lab Sample ID: 9H04021-06 Sample ID: MWM-24 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/28/09 11:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier

9H04021



Certificate of Analysis

Lab Sample ID: 9H04021-06 Sample ID: MWM-24 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/28/09 11:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.23	0.0030	0.010	mg/l	1	EPA 300.1	8/5/09	8/5/09 19:00	mac W9H0194	
Surrogate: Dichloroacetate	96 %		90-115							

Lab Sample ID: 9H04021-07 Sample ID: MWM-25 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/28/09 10:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.58	0.015	0.050	mg/l	5	EPA 300.1	8/5/09	8/5/09 19:00	mac W9H0194	
Surrogate: Dichloroacetate	100 %		90-115							

Lab Sample ID: 9H04021-08 Sample ID: MWM-26 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/28/09 13:05

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	3.6	0.15	0.50	mg/l	50	EPA 300.1	8/5/09	8/5/09 19:00	mac W9H0194	
Surrogate: Dichloroacetate	99 %		90-115							



Certificate of Analysis

Quality Control Section

Anions by EPA Method 300.0/300.1/326 - Quality Control

Batch W9H0194 - EPA 300.1

Blank (W9H0194-BLK1)

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.529		mg/l	0.500	106	90-115		
Bromide		ND		mg/l					

LCS (W9H0194-BS1)

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.490		mg/l	0.500	98	90-115		
Bromide		0.0943		mg/l	0.100	94	85-115		

Matrix Spike (W9H0194-MS1)

Source: 9H04021-06

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.486		mg/l	0.500	97	90-115		
Bromide	0.229	0.323		mg/l	0.100	93	78-123		

Matrix Spike (W9H0194-MS2)

Source: 9H04022-07

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.506		mg/l	0.500	101	90-115		
Bromide	ND	0.0970		mg/l	0.100	97	78-123		

Matrix Spike Dup (W9H0194-MSD1)

Source: 9H04021-06

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.492		mg/l	0.500	98	90-115		
Bromide	0.229	0.322		mg/l	0.100	93	78-123	0.1	20

Matrix Spike Dup (W9H0194-MSD2)

Source: 9H04022-07

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.522		mg/l	0.500	104	90-115		
Bromide	ND	0.102		mg/l	0.100	102	78-123	5	20



Certificate of Analysis

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.

The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002



Authorized Signature

Contact: Kim G Tu (Project Manager)



ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
Dil	Dilution Factor
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity



Certificate of Analysis

Report Date: Monday, August 10, 2009
Received Date: Tuesday, August 4, 2009
Received Time: 9:30 am
Turnaround Time: Normal

Client: Hydrofocus, Inc.
2827 Spafford St.
Davis, CA 95618

Phones: (530) 759-2484
Fax: (530) 756-2687

Attn: Dave Leighton
Project: 5040-Lathrop

P.O. #:

Lab Sample ID: 9H04022-01 Sample ID: RMW-4 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 13:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.13	0.0030	0.010	mg/l	1	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	98 %		90-115							

Lab Sample ID: 9H04022-02 Sample ID: RMW-5 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 14:15

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.23	0.0030	0.010	mg/l	1	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	99 %		90-115							

Lab Sample ID: 9H04022-03 Sample ID: MBRMW-1 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 11:05

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.23	0.0030	0.010	mg/l	1	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	93 %		90-115							

Lab Sample ID: 9H04022-04 Sample ID: MBRMW-2 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 11:45

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.26	0.0030	0.010	mg/l	1	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	102 %		90-115							

Lab Sample ID: 9H04022-05 Sample ID: MBRMW-3 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 10:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.60	0.015	0.050	mg/l	5	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	99 %		90-115							

Lab Sample ID: 9H04022-06 Sample ID: MWM-33 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 10:10

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier

9H04022



Certificate of Analysis

Lab Sample ID: 9H04022-06 Sample ID: MWM-33 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 10:10

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	0.64	0.15	0.50	mg/l	50	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	103 %		90-115							

Lab Sample ID: 9H04022-07 Sample ID: MWM-34 Matrix: Water
Sampled by: Brandon Myers Sampled: 07/27/09 14:40

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Bromide	ND	0.0030	0.010	mg/l	1	EPA 300.1	8/5/09	8/5/09 19:00 mac	W9H0194	
Surrogate: Dichloroacetate	98 %		90-115							



Certificate of Analysis

Quality Control Section

Anions by EPA Method 300.0/300.1/326 - Quality Control

Batch W9H0194 - EPA 300.1

Blank (W9H0194-BLK1)

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.529		mg/l	0.500	106	90-115		
Bromide		ND		mg/l					

LCS (W9H0194-BS1)

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.490		mg/l	0.500	98	90-115		
Bromide		0.0943		mg/l	0.100	94	85-115		

Matrix Spike (W9H0194-MS1)

Source: 9H04021-06

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.486		mg/l	0.500	97	90-115		
Bromide	0.229	0.323		mg/l	0.100	93	78-123		

Matrix Spike (W9H0194-MS2)

Source: 9H04022-07

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.506		mg/l	0.500	101	90-115		
Bromide	ND	0.0970		mg/l	0.100	97	78-123		

Matrix Spike Dup (W9H0194-MSD1)

Source: 9H04021-06

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.492		mg/l	0.500	98	90-115		
Bromide	0.229	0.322		mg/l	0.100	93	78-123	0.1	20

Matrix Spike Dup (W9H0194-MSD2)

Source: 9H04022-07

Prepared: 08/05/09 Analyzed: 08/05/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Dichloroacetate		0.522		mg/l	0.500	104	90-115		
Bromide	ND	0.102		mg/l	0.100	102	78-123	5	20



Certificate of Analysis

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.

The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002



Authorized Signature

Contact: Kim G Tu (Project Manager)



ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
Dil	Dilution Factor
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity

Appendix F: Quality Assurance and Control Assessment

Third Quarter 2009 sampling was performed by HydroFocus, Inc. personnel during the period July 27 through August 5, 2009. Well KMW-4 was sampled by FGL Environmental on July 27, 2009. The samples were analyzed by FGL Environmental, Inc. The analytical reports provided by the laboratories are included in Appendix F.

Prescribed Holding Times

Holding time is defined as the maximum time allowed between sample collection and sample analysis. Results become questionable when the holding time is exceeded. Holding times vary between constituents, and can range from a few hours to a few months. FGL Environmental follow EPA recommended holding times for all constituents tested. All samples were analyzed within the prescribed holding times.

Lab Blanks

Laboratory blanks are analyzed using the same procedures as the environmental samples. The blanks consist of deionized and distilled (Reagent Grade Type II) water. Analysis of the blanks is used to detect potential constituent sources contributed by the laboratory. Examples can include improperly cleaned laboratory equipment, impure reagents, and persistent airborne constituents in the laboratory environment.

The QA/QC review identifies lab blanks with detections of target analytes and evaluates the effect of the detections on associated sample results. All lab blank analyses were determined acceptable by the laboratory.

Field Blanks

Field blanks detect possible constituent sources contributed from sampling methods and equipment. Examples include, but are not limited to, improperly cleaned sampling equipment, persistent airborne constituents in the sampling environment, and constituent sources in the sample containers.

Six field blanks were collected during this sampling event¹. Iron, bicarbonate, total coliform, total trihalomethanes, and chloroform were detected in the field blanks.

¹ Field blanks were collected by pumping deionized water through the sample pump and a length of tubing. Sample bottles were filled, preserved, stored, and transported using the same procedures as used for the well water samples. Field blanks for total coliform analysis were collected by filling a new disposable bailer with deionized water and then filling the sample bottle from the bailer. In order to minimize potential contamination between wells, the sample pump was triple-rinsed with deionized water before sampling the first well each day and after each well was sampled. The same cleaning method was used before and after collecting the field blanks.

Blank	Date	Collected at Site	Fe	HCO ₃	Total Coliform	Chloroform
1	7/29/2009	MWM-38	ND	10	ND	0.00429
2	7/30/2009	MWM-40	ND	ND	2	0.0032
3	7/28/2009	MWM-36	0.07	10	ND	0.00283
4	7/27/2009	MWM-34	ND	ND	4	0.00418
5	8/3/2009	MWM-42	0.05	ND	ND	0.00312
6	8/3/2009	MWM-44	ND	20	ND	0.00265

ND denotes "not detected".

Sample Duplicates

Duplicates monitor matrix consistency or heterogeneity. Six sample duplicates were collected during the Third Quarter 2009 sampling event. Most duplicate sample results (94 percent) agreed, had differences within 10-percent, or had differences within the PQL (Practical Quantitation Limit) of the various constituents analyzed. Of the remaining sample duplicate results, variations could be attributed to lab analytical variability or constituent sources introduced in the laboratory, field, or sampling equipment. The following table lists the sample duplicates, and identifies the constituents analyzed having differences that were both greater than 10-percent and greater than the PQL.

Site	Date	Constituents having differences between duplicates greater than 10% and concentration differences greater than the PQL
MBRMW-3	7/27/2009	None
MWM-21	7/28/2009	Fe
MWM-12	7/29/2009	TDS, Fe
MWM-20	7/30/2009	None
MWR-24	8/3/2009	TDS, Total Coliform
MWR-28	8/4/2009	K, TKN

Matrix Spikes and Laboratory Control Samples

Matrix spikes (MS), matrix spike duplicates (MSD), laboratory control samples (LCS), and laboratory control sample duplicates (LCSD) were analyzed by the laboratory to evaluate the accuracy and precision of the sample extraction and analysis procedures and to evaluate potential matrix interference. Matrix interference is defined as the effect of the sample matrix on the precision of the extraction and/or analysis procedure. These effects may bias the sample results either high or low.

MS or MSD samples are prepared by adding a known quantity of the target analyte(s) to a sample. The samples are then extracted and analyzed as a typical environmental sample and the results are reported as a percent recovery.

$$\% \text{Recovery} = \frac{\text{Spike analysis result} - \text{original sample concentration}}{\text{Concentration of spike addition}} \times 100\%$$

The percent recovery for Total Kjeldahl Nitrogen and NH₃-N for some MS or MSD samples was outside of established control limits possibly due to sample matrix interference.

Duplicate analyses are performed by the laboratory to evaluate the precision of analytical procedures. The laboratory performed LCSD analyses. Precision is evaluated by calculating a relative percent difference (RPD) using the following equation:

$$RPD \% = \left(\frac{\text{Spike Concentration} - \text{Spike Duplicate Concentration}}{\frac{1}{2}(\text{Spike Concentration} + \text{Spike Duplicate Concentration})} \right) \times 100\%$$

The RPD results for all analytes were within the QC control limits. Sample results for the QC batch were accepted by the lab based on the percent recoveries and/or other acceptable QC data. The RPD and/or percent recovery for several MS or MSD samples could not be accurately calculated due to the high concentration of analyte inherent in the sample. Examples of these analytes are Br, Fe, HCO₃, TKN, and NH₃-N.

Anion-Cation Charge Balance

Anion-cation charge balance was calculated using concentrations of the major anions and cations in milliequivalents per liter (meq/L). The difference between the two sums was calculated as a percentage:

$$\frac{\text{Anions} - \text{Cations}}{\text{Anions} + \text{Cations}} \times 100$$

We use +/- 5 percent as a guide for an acceptable percent difference.

The cation/anion balance difference exceeded 5 percent for 4 of 49 samples (8 percent). The results are summarized in the following table.

Site	Date	Sum Cations (meq/L)	Sum Anions (meq/L)	An/Cat Balance (percent difference)
DS-1	8/5/2009	14.25	13.51	2.7%
DS-2	8/5/2009	13.82	13.50	1.2%
MBRMW-1	7/27/2009	15.63	15.94	-1.0%
MBRMW-2	7/27/2009	16.48	16.38	0.3%
MBRMW-3	7/27/2009	30.08	30.70	-1.0%
MBRMW-3	7/27/2009	30.12	30.70	-0.9%
MBRMW-4	7/27/2009	26.48	28.99	-4.5%
MWM-01	7/29/2009	12.22	12.29	-0.3%
MWM-02	7/29/2009	16.90	17.66	-2.2%
MWM-03	7/29/2009	13.63	13.58	0.2%
MWM-04	7/29/2009	26.24	25.96	0.5%
MWM-05	7/29/2009	17.62	17.78	-0.4%
MWM-09	8/3/2009	10.68	9.35	6.6%
MWM-11	8/3/2009	60.01	58.66	1.1%
MWM-12	7/29/2009	50.70	51.18	-0.5%
MWM-12 (D)	7/29/2009	49.39	51.17	-1.8%
MWM-13	8/3/2009	44.13	39.37	5.7%
MWM-14	7/30/2009	13.39	13.64	-0.9%
MWM-15	7/30/2009	26.38	26.37	0.0%
MWM-16	7/30/2009	19.85	18.72	2.9%
MWM-17	7/30/2009	36.78	35.72	1.5%
MWM-19	7/30/2009	43.78	45.92	-2.4%
MWM-20	7/30/2009	26.61	27.42	-1.5%
MWM-20 (D)	7/30/2009	26.26	27.71	-2.7%
MWM-21	7/28/2009	37.94	37.57	0.5%
MWM-21 (D)	7/28/2009	38.43	38.19	0.3%
MWM-22	7/28/2009	14.63	14.72	-0.3%
MWM-23	7/28/2009	24.68	24.98	-0.6%
MWM-24	7/28/2009	7.43	7.64	-1.4%
MWM-25	7/28/2009	18.62	18.23	1.1%
MWM-26	7/28/2009	33.52	33.19	0.5%
MWM-27	7/30/2009	15.03	15.69	-2.1%

Site	Date	Sum Cations (meq/L)	Sum Anions (meq/L)	An/Cat Balance (percent difference)
MWR-03	8/5/2009	17.67	17.84	-0.5%
MWR-11	8/4/2009	18.25	18.03	0.6%
MWR-12	8/4/2009	18.70	18.68	0.1%
MWR-23	8/3/2009	44.48	45.34	-1.0%
MWR-24	8/3/2009	86.57	86.90	-0.2%
MWR-24 (D)	8/3/2009	86.52	89.01	-1.4%
MWR-25	8/3/2009	29.32	30.54	-2.0%
MWR-26	8/5/2009	18.36	18.12	0.7%
MWR-27	8/5/2009	35.77	34.37	2.0%
MWR-28	8/4/2009	57.78	63.60	-4.8%
MWR-28 (D)	8/4/2009	56.99	63.60	-5.5%
MWR-29	8/4/2009	26.42	26.65	-0.4%
MWR-30	8/4/2009	40.67	40.73	-0.1%
MWR-31	8/5/2009	67.12	77.99	-7.5%
MWR-32	8/4/2009	43.69	44.58	-1.0%
RMW-4	7/27/2009	12.80	13.03	-0.9%
RMW-5	7/27/2009	9.25	9.50	-1.4%

(D) duplicate sample.

Percent difference in **bold** is outside the designated limits.

Ratio of Calculated Sum of Dissolved Solids to Specific Conductance

The ratio of the calculated sum of dissolved solids (mg/L) to specific conductance was calculated. The ratio was calculated as follows:

$$\frac{\text{Sum of dissolved solids in mg/L}}{\text{Specific Conductance}}$$

The sum of dissolved solids divided by the specific conductance should fall within the range 0.55 to 0.81². Ten of the 49 samples (20 percent) did not fall within this range. The results are summarized in the following table.

Site	Date	Calculated Dissolved Solids (mg/L)	Specific Conductance (uS/cm)	Ratio of Calculated Dissolved Solids to Specific Conductance
DS-1	8/5/2009	779	1,505	0.52
DS-2	8/5/2009	764	1,408	0.54
MBRMW-1	7/27/2009	899	1,655	0.54
MBRMW-2	7/27/2009	978	1,541	0.63
MBRMW-3	7/27/2009	1,710	2,735	0.63
MBRMW-3 (D)	7/27/2009	1,711	2,735	0.63
MBRMW-4	7/27/2009	1,711	2,741	0.62
MWM-01	7/29/2009	696	1,104	0.63
MWM-02	7/29/2009	1,005	1,614	0.62
MWM-03	7/29/2009	775	1,358	0.57
MWM-04	7/29/2009	1,476	2,483	0.59
MWM-05	7/29/2009	996	1,967	0.51
MWM-09	8/3/2009	532	1,095	0.49
MWM-11	8/3/2009	3,297	5,092	0.65
MWM-12	7/29/2009	2,936	4,826	0.61
MWM-12 (D)	7/29/2009	2,911	4,826	0.60
MWM-13	8/3/2009	2,388	3,661	0.65
MWM-14	7/30/2009	748	1,360	0.55
MWM-15	7/30/2009	1,479	2,407	0.61
MWM-16	7/30/2009	1,024	1,515	0.68
MWM-17	7/30/2009	2,033	3,010	0.68
MWM-19	7/30/2009	2,603	4,260	0.61
MWM-20	7/30/2009	1,495	2,324	0.64
MWM-20 (D)	7/30/2009	1,498	2,324	0.64
MWM-21	7/28/2009	2,157	3,371	0.64
MWM-21 (D)	7/28/2009	2,194	3,371	0.65
MWM-22	7/28/2009	814	1,356	0.60
MWM-23	7/28/2009	1,477	2,407	0.61
MWM-24	7/28/2009	402	719	0.56
MWM-25	7/28/2009	1005	1,672	0.60
MWM-26	7/28/2009	1,948	3,060	0.64
MWM-27	7/30/2009	845	1,685	0.50

² Friedman, L.C., and Erdmann, D.E., 1982, Quality assurance practices for the chemical and biological analyses of water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, book 5, chap. A6, 181 p.

Site	Date	Calculated Dissolved Solids (mg/L)	Specific Conductance (uS/cm)	Ratio of Calculated Dissolved Solids to Specific Conductance
MWR-03	8/5/2009	1,042	1,932	0.54
MWR-11	8/4/2009	1,032	1,722	0.60
MWR-12	8/4/2009	1,064	1,762	0.60
MWR-23	8/3/2009	2,592	4,158	0.62
MWR-24	8/3/2009	5,021	7,795	0.64
MWR-24 (D)	8/3/2009	5,102	7,795	0.65
MWR-25	8/3/2009	1,701	2,955	0.58
MWR-26	8/5/2009	1,040	1,798	0.58
MWR-27	8/5/2009	1,926	3,383	0.57
MWR-28	8/4/2009	3,523	5,138	0.69
MWR-28 (D)	8/4/2009	3,506	5,138	0.68
MWR-29	8/4/2009	1,507	2,434	0.62
MWR-30	8/4/2009	2,308	3,468	0.67
MWR-31	8/5/2009	4,320	6,057	0.71
MWR-32	8/4/2009	2,532	3,820	0.66
RMW-4	7/27/2009	657	1,221	0.54
RMW-5	7/27/2009	468	928	0.50

(D) duplicate sample.

Ratio in **bold** is outside the acceptable limits.

Ratio of the Sum of Reacting Constituents to Specific Conductance

The ratio of the sum of reacting cations (meq/L) to 0.01 times specific conductance, as well as the sum of reacting anions (meq/L) to 0.01 times specific conductance, should be within the range 0.92 to 1.24². This ratio was calculated as follows:

$$\frac{\text{Sum of reacting cations (or anions) in meq/L}}{0.01 \times \text{Specific Conductance}}$$

Four samples of the 49 samples (8 percent) did not fall within the range for cations and for anions. The results are summarized in the following table.

Site	Date	Specific Conductance (uS/cm)	Ratio of Cations to 0.01 Specific Conductance	Ratio of Anions to 0.01 Specific Conductance
DS-1	8/5/2009	1,505	0.95	0.90
DS-2	8/5/2009	1,408	0.98	0.96
MBRMW-1	7/27/2009	1,655	0.94	0.96
MBRMW-2	7/27/2009	1,541	1.07	1.06
MBRMW-3	7/27/2009	2,735	1.10	1.12
MBRMW-3 (D)	7/27/2009	2,735	1.10	1.12
MBRMW-4	7/27/2009	2,741	0.97	1.06
MWM-01	7/29/2009	1,104	1.11	1.11
MWM-02	7/29/2009	1,614	1.05	1.09
MWM-03	7/29/2009	1,358	1.00	1.00
MWM-04	7/29/2009	2,483	1.06	1.05
MWM-05	7/29/2009	1,967	0.90	0.90
MWM-09	8/3/2009	1,095	0.98	0.85
MWM-11	8/3/2009	5,092	1.18	1.15
MWM-12	7/29/2009	4,826	1.05	1.06
MWM-12 (D)	7/29/2009	4,826	1.02	1.06
MWM-13	8/3/2009	3,661	1.21	1.08
MWM-14	7/30/2009	1,360	0.98	1.00
MWM-15	7/30/2009	2,407	1.10	1.10
MWM-16	7/30/2009	1,515	1.31	1.24
MWM-17	7/30/2009	3,010	1.22	1.19
MWM-19	7/30/2009	4,260	1.03	1.08
MWM-20	7/30/2009	2,324	1.14	1.18
MWM-20 (D)	7/30/2009	2,324	1.13	1.19
MWM-21	7/28/2009	3,371	1.13	1.11
MWM-21 (D)	7/28/2009	3,371	1.14	1.13
MWM-22	7/28/2009	1,356	1.08	1.09
MWM-23	7/28/2009	2,407	1.03	1.04
MWM-24	7/28/2009	719	1.03	1.06
MWM-25	7/28/2009	1,672	1.11	1.09
MWM-26	7/28/2009	3,060	1.10	1.08
MWM-27	7/30/2009	1,685	0.89	0.93

Site	Date	Specific Conductance (uS/cm)	Ratio of Cations to 0.01 Specific Conductance	Ratio of Anions to 0.01 Specific Conductance
MWR-03	8/5/2009	1,932	0.91	0.92
MWR-11	8/4/2009	1,722	1.06	1.05
MWR-12	8/4/2009	1,762	1.06	1.06
MWR-23	8/3/2009	4,158	1.07	1.09
MWR-24	8/3/2009	7,795	1.11	1.11
MWR-24 (D)	8/3/2009	7,795	1.11	1.14
MWR-25	8/3/2009	2,955	0.99	1.03
MWR-26	8/5/2009	1,798	1.02	1.01
MWR-27	8/5/2009	3,383	1.06	1.02
MWR-28	8/4/2009	5,138	1.12	1.24
MWR-28 (D)	8/4/2009	5,138	1.11	1.24
MWR-29	8/4/2009	2,434	1.09	1.09
MWR-30	8/4/2009	3,468	1.17	1.17
MWR-31	8/5/2009	6,057	1.11	1.29
MWR-32	8/4/2009	3,820	1.14	1.17
RMW-4	7/27/2009	1,221	1.05	1.07
RMW-5	7/27/2009	928	1.00	1.02

(D) duplicate sample.

Ratio in **bold** is outside the acceptable limits.