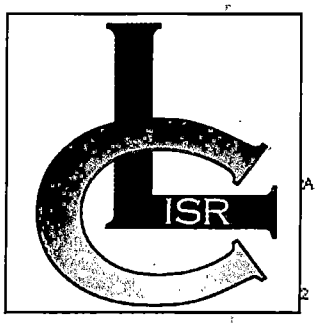
IN SITU ANNUAL REPORT

LOST CREEK ISR PROJECT



LOST CREEK ISR, LLC
SWEETWATER COUNTY, WY

2016
WDEQ-LQD ANNUAL REPORT
PERMIT TO MINE #788

Ur-Energy USA

COLORADO OFFICE
10758 W. CENTENNIAL RD., STE. 200
LITTLETON, CO 80127
TEL: (866) 981-4588
FAX: (720)-981-5643

WYOMING OFFICE
5880 ENTERPRISE DR., STE. 200
CASPER, WY 82609
TEL: (307) 265-2373
FAX: (307) 265-2801

LOST CREEK ISR, LLC

October 21, 2016

Mr. Brian Wood
State of Wyoming
Department of Environmental Quality – Land Quality Division
510 Meadowview Drive
Lander, WY 82520

Re: Submittal of the 2016 Annual Report
Lost Creek ISR Project PT788
Sweetwater County, WY

Dear Mr. Wood,

Please find behind this cover, in duplicate, the 2016 Annual Report (AR) for the Lost Creek ISR Project Permit PT788.

If you have any questions regarding this submittal please feel free to contact me at the Casper Office.

Sincerely,
Lost Creek ISR, LLC

Michael D. Gaither
Manager EHS and Regulatory Affairs
Ur-Energy USA, Inc.

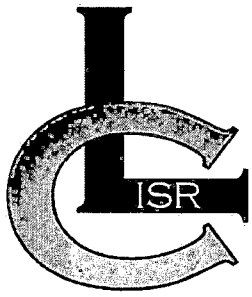
Cc: Theresa Horne, Ur-Energy, Littleton Office (electronic)
Project Files, Ur-Energy, Casper Office
Mark Newman, Bureau of Land Management, Rawlins District
John Saxton, NRC Project Manager

2016

ANNUAL REPORT for the

LOST CREEK ISR PROJECT

PERMIT TO MINE #788



LOST CREEK ISR, LLC
SWEETWATER COUNTY, WY

Prepared by Lost Creek ISR, LLC for

Wyoming Department of Environmental Quality -
Land Quality Division

October 21, 2016

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FIGURES

TABLES

(*Asterisk denotes table within text body)

TABLES (cont.)

APPENDICES

1.0 TITLE/CERTIFICATION

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

Name: John W. Cash

Title: Vice President (Lost Creek ISR, LLC)

Signature: _____ **Date:** 10/21/16

Report Prepared by:

Ur-Energy USA
5880 Enterprise Dr. Suite 200
Casper, WY 82609

Name: Michael Gaither

Title: Manager EHS and Regulatory Affairs

2.0 REPORT INFORMATION

This Annual Report (AR) has been prepared in accordance with LQD Rules and Regulations Chapter 11 Section 15(c), Wyoming Environmental Quality Act WS §35-11-411, and commitments in the Permit to Mine. The report format is consistent with WDEQ-LQD Guideline 4 Reference Document 1 Attachment IX: *In Situ Annual Report Format – July 2013.*

2.1 Permittee

Lost Creek ISR, LLC
A fully owned subsidiary of Ur-Energy USA, Inc.
5880 Enterprise Dr. Suite 200
Casper, WY 82609

Lost Creek Project
Permit to Mine #788 (Oct. 21, 2011)
3424 Wamsutter-Crooks Gap Road
Sweetwater County, WY

2.2 Regulatory Contacts

John Cash
Lost Creek ISR, LLC
Vice President
(307) 265-2373 x 303

Michael Gaither
Ur-Energy USA, Inc
Manager EHS and Regulatory Affairs
(307) 265-2373 x 321

2.3 Reporting Period

The "2016" reporting period covered by this AR is:

September 21, 2015 through **September 20, 2016**.

In accordance with W.S. 35-11-411 and LQD R&R Ch11 the AR is due on or within 30 days prior to the anniversary date of the permit, hence, the reporting period is cutoff at September 20.

2.4 Summary of Permit Changes

Table 2.4-1 below lists the changes that have been made to the Permit to Mine during the 2016 reporting period.

TABLE 2.4-1: Summary of Permit Changes

LQD Change Number	LCI Change ID	Change Type	Description	LQD Approval Date	TFN
11	Jan 2016	NSR	Submitted revised MU1 baseline data calculations	Feb. 16, 2016	6 6/193
12	Feb 2016	NSR	Incorporation of revised surety from 2015 into Permit to Mine	Feb. 19, 2016	6 1/196
13	Mar 2016	NSR	Add Class V language to Permit to Mine	Apr. 29, 2016	6 2/204

3.0 MINE OPERATIONS

3.1 Operating Wellfields

A complete map of all wells including monitoring, injection, production, water supply, and waste disposal wells is provided as **Figure 3.1-1A, Figure 3.1-1B** and **Figure 3.1-1C.** The status of wellfield zones in operation through the end of the reporting period is displayed on **Figure 3.1-1B** and summarized in **Table 3.1-1** below. The wellfield zone currently active is Mine Unit 1 (MU1). Drilling and casing of injection and production wells in MU2 commenced in August 2015. Completion details for wells constructed during the reporting period are summarized on **Table 3.1-2.**

TABLE 3.1-1: Operating Wellfields

Mine Unit	Header House	Number of Injection Wells	Number of Production Wells	Total Wells	Total Wells Authorized by LQD	Comments
1	1-1	43	20	63	63	2013 RY
	1-2	45	16	61	61	2013 RY
	1-3	58	13	71	72	2013 RY
	1-4	63	15	78	77	2013 RY, Well added from HH1-3 zone
	1-5	40	14	54	57	2014 RY
	1-6	50	19	69	72	2014 RY
	1-7	47	20	67	69	2015 RY
	1-8	42	20	62	60	Two wells added from HH1-7 zone; 2015 RY
	1-9	49	28	77	77	2015 RY
	1-10	55	26	80	80	2015 RY
	1-11	51	27	78	78	2015 RY
	1-12	50	28	78	82	
	1-13	48	28	76	73	3 wells from HH1-12
2	2-1	Some wells installed but not completed				Under construction
	2-2	Some wells installed but not completed				Under construction
	2-3	Some wells installed but not completed				Under construction
	2-4	Some wells installed but not completed				Under construction
	2-5	Proposed				
	2-6	Proposed				
	2-7	Proposed				
	TOTAL:	**641**	**274**	**914**	**921**	

RY = Reporting Year

Since injection and production wells are occasionally interchanged, the number of wells of each type in actual operational use may vary on a particular day depending upon the production scheme.

3.2 Water Balance/Hydrology

3.2.1 Wellfield Water Balance

The total quantity of recovery fluid injected and recovered from the wellfield is summarized in **Table 3.2-1**:

TABLE 3.2-1: Mine Unit Flow Totals

Mine Unit	Date Range	Flow	Ave Flow Rate (gpm)	Flow Total (gal)	Method of Determining Flow Total
1	Sep 21, 2015 – Sep 20, 2016	Production Circuit (PC)	2,128	1,121,368,862	Sum of flow meter data from Plant computer
		Injection Circuit (IC)	2,118	1,116,532,782	
		Production Bleed	12.1	6,383,992	

Bleed flows and IC/PC flows are metered separately and averaged over the reporting year. Therefore, the bleed rate and volume are not calculated as the differences between PC and IC flows and volumes but is determined by dividing the average bleed flow rate by the average PC flow rate resulting in a 0.6% average rate which is within the threshold of 0.5% to 1.5%. Total flow rates are determined by measurements from flow totalizers installed in the lines at the IC/PC pump station within the Plant. Flows are typically recorded electronically and supplemented by readings recorded by hand. Bleed rates are monitored continuously and verified hourly.

3.2.2 Hydrology

No hydrogeological testing occurred during the reporting period.

3.2.3 Wastewater Stream

Waste water generated from Plant operations including primarily wellfield bleed, in-Plant wash down, process waste water, and waste water discharged to the Storage Ponds was injected into disposal wells DW-1, DW-3, and DW-4. Water quality monitoring of the injectate was conducted according to the WQD Class I well permit and is reported to WDEQ-WQD quarterly.

Wastewater disposal rate by the end of the reporting period was approximately 22 gpm average for all disposal wells combined.

A Class V injection system was permitted by WQD-UIC in February 2016 for the injection of treated wastewater from production operations into the FG horizon. The maximum permitted flow rate is 200 gpm into one injection well or two injection wells combined. The system had

been installed but was not in full operation (i.e. no injection) as of the end of the reporting period.

3.3 Unplanned Releases (Spills)

Two (2) reportable unplanned releases occurred during the reporting period. The releases are summarized on Table 3.3-1 below and displayed on Figure 3.3-1.

TABLE 3.3-1: Summary of Unplanned Releases

LQD Report Number	Release ID	Date Occurred	WDEQ Spill ID	Release Area (acres)	Est. Quantity (gal)	U in Soil 0-5/5-15 cm (mg/kg)†	Ra-226 in Soil 0-5/5-15 cm (pCi/g)†
22	HH1-11 Lines	10/18/2015	151019-1447	0.027	139	Pending	Pending
23	HH1-10 Valve Vault	7/20/2016	160721-1032	N/A	12,390	N/A	N/A

†Background not subtracted

3.4 Excursions

No excursions occurred during the reporting period.

3.5 Mechanical Integrity Testing Results

The following summary (**Table 3.5-1**) of the MIT data reported on a quarterly basis provides MIT statistics including number of wells tested, passed, failed, and abandoned, or replaced:

TABLE 3.5-1: MIT Summary Statistics

Service Performed	Totals for 2016 Annual Report Period
Number of MITs Performed	43
Number of Wells Tested	41
Tests Passed	41
Tests Failed	2
Failures that Passed after Retest	0
Net Failed Wells	2
Failure Rate*	4.9%
No. of Replacement Wells	1
Abandonments	1

**Failure rate = net failed wells/# of wells tested*

The MIT results for each individual well have been provided in the Quarterly Reports submitted to WDEQ-LQD.

3.6 New Affected Lands During the Reporting Period

3.6.1 Soil Management

Soil management includes long-term topsoil, short-term topsoil, and subsoil as described in the Permit Operations Plan (OP) Section 2.5.

Long-Term Topsoil
Long-term topsoil piles were graded to a slope greater than 1-to-3 with a toe ditch cut at the base. Signs labeled with the pile number are posted at each long-term stockpile. Significant vegetation has been maintained on all soil piles. Approved seed mix is provided on Table 4.3-1 in Section 4.3.

A summary of the long-term topsoil piles is provided on **Table 3.6-1A** below:

TABLE 3.6-1A: Long-Term Topsoil Pile Summary

Topsoil Pile ID	Estimated Volume (cubic yards)	Stockpile Location	Future Reclamation Use
Topsoil 1	4,014	West Road	West Road
Topsoil 2	4,115	West Road	West Road
Topsoil 3	4,451	West Road	West Road
Topsoil 4	4,751	West Road	West Road
Topsoil 5	4,716	West Road	West Road
Topsoil 6	3,133	Plant access	Plant access road
Topsoil 7	1,963	NE of Staging Area	Staging Area and Drill Shop
Topsoil 8	4,755	East Road	East Road
Topsoil 9	5,110	East Road	East Road
Topsoil 10	7,777	East Road	East Road
Topsoil 11	5,449	East Road	East Road
Topsoil 12	2,408	East of DW-4 Pad	DW-4 well pad
Topsoil 13	1,748	East of DW-3 Pad	DW-3 well pad
Topsoil 14	3,985	Plant Area NE of Plant	Plant area
TOTAL IN STOCKPILES:	**58,375**		

Short-Term Topsoil
Short-term or temporary topsoil stockpiles are typically stored near the point of origin. Short-term topsoil includes MU2 stockpiles and the trunkline excavation and near the well installation drilling area. The trunkline soil has been stockpiled next to the excavation and two stockpiles of drill pit topsoil had been placed at the north and south ends of the MU2 drilling area.

Topsoil from drill pits in MU2 were stockpiled to better preserve topsoil in the drilling area since the well spacing was relatively close and because well completion operations had been put on hold. Topsoil was stockpiled in two short-term piles on the north side and the south side of the

drilling area. Piles were seeded with a sterile triticale hybrid for erosion control and toe ditches were cut around the perimeter. Topsoil signs were posted at the two piles for identification.

A summary of short-term topsoil is provided on **Table 3.6-1B** below:

TABLE 3.6-1B: Short-Term Topsoil Pile Summary

Topsoil Pile Description	Estimated Volume (cubic yards)	Stockpile Location	Reclamation Status
MU1 Topsoil	50	Near HH1-10	Pile w/ sign
MU2 Trunk Line	500	Stocked along excavation corridor	Soil in windrows and piles
MU2 Topsoil	2,000	Stockpiled in two temporary piles in MU2	Piles seeded, ditched and posted with signage
TOTAL IN STOCKPILE:	**2,550**		

Subsoil

Subsoil excavated during construction of the holding ponds and the disposal well drill ponds has been stockpiled until pond decommissioning and reclamation is completed. Subsoil had been excavated in conjunction with installation of the MU2 trunk lines and piled on the area stripped of topsoil next to the main excavation. The remaining length of excavation has subsoil piled next to the trench along the topsoil-stripped length. A portion of Subsoil 1 had been used to backfill the north half of the drill pond at the DW-4 well pad. A portion of Subsoil 2 had been used to backfill the southernmost drill pond at the DW-3 well pad.

The following summary (Table 3.6-1C) provides the status of subsoil.

TABLE 3.6-1C: Subsoil Pile Summary

Subsoil Pile Description	Estimated Volume (cubic yards)	Stockpile Location	Reclamation Status
Subsoil 1	4,000	Just west of DW-4 drill pad	In stockpile to be used to replace drill pond excavation
Subsoil 2	5,000	Just east of DW-3 drill pad	In stockpile to be used to replace drill pond excavation
MU2 Trunk Line	1,200	Piled along excavation	Short-term stockpile along trench for backfilling trench
MU2 Drilling	1,400	Piled south of drilling area	Short-term stockpile to be used in backfilling pits.
MU2 Drill Pits	2,600	At drill pit locations	Piled at the drill sites to be used to backfill pits.
TOTAL IN STOCKPILE:	**14,200**		

3.6.2 New Structures/Construction

The structures and features constructed during the reporting period are shown on **Figure 3.6-1B** and include:

- Header houses HH1-12 and HH1-13.
- MU1 lateral pipelines and electrical lines associated with HH1-12 and HH1-13 wells.
- Addition of filter banks with sheds at HH1-10 through HH1-13.
- Culverts added:
  - C-S3 was added on the west side of the Permit area on the powerline road.
  - C-MU1-2 was added just to the southwest of HH1-11.

A summary of the associated disturbance acreages is provided on **Table 3.6-2**.

3.6.3 Ponds

No new ponds were constructed during the reporting period. Monitoring of the existing Storage Ponds is discussed in **Section 3.9.3** below.

3.6.4 Infrastructure

New infrastructure constructed during the reporting period includes piping associated with Header houses HH1-12 through HH1-13 within Mine Unit 1, a segment of trunk line for MU2 was started, and piping for the Class V injection system was installed near the Plant. Infrastructure is shown on **Figure 3.6-1B**. Pipelines (i.e. laterals) smaller than a trunk line are not shown.

3.6.5 Road Maintenance

Magnesium chloride was applied to the east-west access road for dust control in the summer of 2016. Some grading was completed on the East-West Road and Sooner Road. Mine unit access roads to HH1-11 through HH1-13 were established in MU1.

3.7 New Wells/Wellfields Installed During the Reporting Period

Phased construction of MU1, including header houses, injection and production wells, and infrastructure continued during the reporting period. The wells and wellfield structures (i.e. header houses) are shown on **Figure 3.1-1B**.

A total of 4 injection well replacements were completed in MU1 and 1 injection well and 6 production wells were completed in MU2 during the reporting period and are listed on **Table 3.1-2B**.

A total of 96 wells in MU2 were drilled and cased but not yet completed.

A total of 5 monitor wells were cased and completed during the reporting period and are included on **Table 3.1-2A**. Two of the wells, MU-104A and MU-104B, were replacements for MU-104 which was determined, as a result of an excursion investigation, to have an improper cement job. The investigation is described in the corrective action technical memorandum included as **Appendix C**.

3.8 Class III Well Stimulation Activity

A campaign of gravel packing MU1 production and injection wells with pre-packed screens or gravel was started in July 2016. The gravel pack was an attempt to prevent fines in the screened interval from entering the production stream. The process involved removing the screen and either adding a pre-packed screen or adding gravel pack to the screen interval. A total of 46 injection and 142 production wells at the eastern end of MU1 were recompleted as of the end of the reporting period.

3.9 Environmental Monitoring

3.9.1 Groundwater

Additional groundwater quality monitoring data obtained from contract laboratories is provided as **Appendix A**.

Monitoring of UCL parameters was performed in accordance with Permit OP-3.6.4 and was reported on a quarterly basis. Operational monitoring results for UCL parameters are shown on **Table 3.9-1**. The table includes columns for "Assay" which is the analytical result, "UCL" which is the established UCL value, and "% Diff" which is the percent difference between the assay value and the UCL. A negative % Diff indicates no excursion. Two conditions indicate a potential excursion: if a % Diff is greater than 20 for any one assay result or; if two of three assay values exceed the UCL value.

During the reporting period, no routine results exceeded the UCL value.

The initially elevated results for MU-104A were rejected since the samples were collected just following well installation during the well development phase and the elevated UCL results were likely due to cement contamination from well completion operations. Subsequent samples from MU-104A and replacement MU-104B show nominal water quality following full development.

Other water quality sampling includes baseline water quality samples collected in association with the Class V injection system the results of which are provided in the Class V Permit Application. Water quality results are included in **Appendix A**.

Groundwater levels were measured in conjunction with UCL sample collection to monitor for significant changes in levels. Water levels in regional wells were measured quarterly. Resulting data provided as depth to water are listed on **Table 3.9-2**.

3.9.2 Surface Water

Due to the ephemeral nature of surface water at the Lost Creek project site, routine surface water quality sampling is not proposed and is not typically feasible. Sampling once per year in accordance with the storm water Industrial General Permit (IGP) will be conducted as feasible. Storm water runoff from the Plant area was collected and analyzed during the reporting period and will be reported to WQD in association with the IGP.

3.9.3 Storage Ponds

Two holding ponds for intermediate holding of liquid waste prior to injection in the deep disposal well were in operation. The Storage Ponds are shown on **Figure 3.6-1B**. Each pond is approximately 155 feet wide by 260 feet long with a capacity of 2.3 acre feet (approximately 0.75 million gallons). Water quality is determined routinely on a quarterly basis. Pond inspections are performed daily, weekly, quarterly, and annually which include a check of freeboard height to verify if there is at least 3 feet of vertical freeboard from the top of the pond rim to the water surface.

The bird netting over both Storage Ponds was replaced in September 2016 to better restrict water fowl from accessing the water.

Water Quality

Quarterly water quality sampling was conducted in accordance with Operations Plan Section 2.9.4 and the results are provided on **Table 3.9-3** below:

TABLE 3.9-3: Storage Pond Quarterly Monitoring Results

Sample ID	Sample Date	Alkalinity, Total (mg/L as CaCO3)	Chloride (mg/L)	Specific Cond. (µS/cm)	pH (std. units)	Sodium, total (mg/L)	Sulfate, total (mg/L)	Total Dissolved Solids (mg/L)	Arsenic, dissolved (mg/L)	Selenium, dissolved (mg/L)	Uranium, dissolved (mg/L)	Radium 226, dissolved (pCi/L)
N Pond	9/29/2015	386	28,200	73,000	8.01	16,700	1,700	47,700	0.01	0.10	49.4	272
S Pond	9/29/2015	741	18,700	51,400	7.71	11,000	1,670	32,200	0.03	0.14	205	293
N Pond	11/20/2015	360	24,200	59,800	7.97	--	1,450	37,700	0.015	0.20	33.8	80
S Pond	11/20/2015	770	16,400	44,100	7.91	--	1,740	27,100	0.019	0.11	403	642
N Pond	3/10/2016	685	29,500	58,500	7.95	18,200	1,840	49,700	0.018	0.56	231	803
S Pond	3/10/2016	559	37,200	65,700	7.76	18,800	2,170	58,300	0.011	0.50	112	692
N Pond	6/23/2016	337	22,200	51,600	8.07	11,900	1,500	33,200	0.009	0.119	185	302
S Pond	6/23/2016	603	9,890	30,700	7.73	6,600	1,220	19,000	0.016	0.098	289	1,500

Freeboard

Freeboard greater than the 3 feet minimum limit was maintained during the reporting period.

Pond Monitor Wells

No water was detected in the four Pond monitoring wells (MW-1, MW-2, MW-3, and MW-4).

3.9.4 Disposal Wells

Class I

Waste water injected into the disposal wells was sampled and analyzed on a quarterly basis. Injectate water quality is reported on a quarterly basis to WDEQ-WQD UIC division. The only constraint on water quality is the pH must be between 2 and 12.5. No analytical results for pH were outside of the acceptable threshold.

Class V

A Class V injection system was permitted and constructed for injection of treated waste water into the FG horizon. The system had been completed but not operated during the reporting period. Injectate water quality will be reported to WDEQ-WQD UIC division as required by the Permit.

3.9.5 Wildlife

The results of wildlife monitoring for the 2015 calendar year are included in the Annual Wildlife Monitoring Report submitted to BLM, with a copy to WDEQ-LQD, in April 2016. Wildlife monitoring for the 2016 calendar year will be provided in the 2016 Annual Wildlife Monitoring Report due in the spring of 2016.

3.10 Deviations or Unanticipated Events or Conditions

No deviations or unanticipated events or conditions occurred during the reporting period.

3.11 Projected Operations

Projected operations are included in the schedule for the bond calculation discussed in Section 6.0. To summarize the anticipated operations for the next reporting year:

- Mine Unit 1
  - Continued operation of injection and production wells for HH1-1 through HH1-13.
  - Reseeding of disturbed areas at header house zones 1-10 through 1-13 and trunkline corridor.
- Mine Unit 2
  - Completion of wells for header house areas 2-1 through 2-4.
  - Piloting of wells through header house area 2-7.
  - Casing of wells through header house area 2-6.
  - Completion of wells through header house area 2-5.
  - Construction of infrastructure including power and trunklines through header house area 2-5.
  - Construction of header houses, lateral pipelines, power, and pumps through header house area 2-4.
  - Startup and operation of HH2-1 through HH2-3.
  - Restoration of topsoil, delineation of access roads, and, as feasible, reseeding.
- Operation of Class V injection system for treated wastewater disposal

4.0 RECLAMATION/RESTORATION ACTIVITIES

4.1 Groundwater Restoration Activities

Groundwater restoration operations have not commenced.

4.2 Well Plugging and Abandonment Reports

A total of 3 monitor wells were abandoned during the reporting period. Wells were completed and subsequently plugged with grout or cement through the use of drill pipe or hose reel. The wells were abandoned and replaced due to well damage or failure of MIT. Well abandonment is summarized on **Table 4.2-1**.

4.3 Surface Reclamation Activities

Surface reclamation performed during the reporting period consisted primarily of topsoil replacement and reseeding in MU1 of header house zones and exploration drill pits. Reseeding is performed with a tractor and seed-drill set to distribute the required amount or more of seed per acre. Areas disturbed as a result of installation of wells, lateral pipelines, and temporary roads in Mine Unit 1 were reseeded as described in Section 5.3. Reclaimed areas are shown on **Figure 3.6-1A**. A summary of reclamation is included on the disturbance summary **Table 3.6-2.**

Areas seeded during the current, as well as previous, reporting periods were becoming well established with vegetation by the end of the reporting period due to significant precipitation during the spring of 2016.

Areas that were reclaimed were recontoured with topsoil and/or reseeded with the approved seed mixture listed on **Table 4.3-1** below:

TABLE 4.3-1: LQD-Approved Seed Mix

SEED	lbs-PLS/acre
Thickspike Wheatgrass	4
Western Wheatgrass	2
Indian Ricegrass	2
Great Basin Wildrye	2
Big Sagebrush	1
Winterfat (Ceratoides lanata)	1.5
Slender Wheatgrass	2.5
Sandberg Bluegrass	1.5
Total	16.5

4.4 Deviations or Unanticipated Events or Conditions

No deviations to the approved Reclamation Plan occurred.

5.0 DRILL HOLE REPORTING

5.1 Area of Activity

A map depicting the areas of exploration or delineation drilling, drill hole reclamation, and historic hole re-abandonment activity for the reporting period is provided as **Figure 5.1-1**.

5.2 Drill Hole Summary

Drill holes that were installed for exploratory purposes are included on **Table 5.2-1**. No exploration holes were drilled during the reporting period. Previous drill holes that were plugged and abandoned during the reporting period are listed on **Table 5.2-2** and shown on **Figure 5.1-1**.

5.3 Disturbance/Reclamation

Disturbance at each drilling location was estimated to be approximately 0.025 acres due to drilling and mud pit excavation. Topsoil was preserved at each location according to mud pit excavation procedures in the Permit to Mine OP-2.5.1. Reclamation of areas disturbed due to drilling and historic drill hole re-abandonment (**Table 5.3-1**) included hole plugging, mud pit backfilling, topsoil replacement, and contouring.

Table 5.3-1: Drilling Disturbance Summary

Drilling Type	Location	Number of Drill Locations	Acreage Per Location	Total Acres of Drill Hole Disturbance
Exploration/Delineation	Lost Creek	0	0.025	0
			TOTAL:	**0**

5.4 Reclamation Seeding Details

Many of the drill pits for the exploration holes drilled in 2015 within the Permit area were reseeded during spring 2016.

6.0 RECLAMATION PERFORMANCE BOND ESTIMATE

The proposed recalculated bond (surety) estimate and projected reclamation schedule for the next reporting period of September 2016 to September 2017 pursuant to WS 35-11-417(c)(ii) and WS 35-11-411(a)(iii) is included as **Appendix B**. The surety format conforms to LQD's revised Guideline 12 and the new standardized LQD spreadsheet. Upon approval, the surety estimate will be installed in the Permit through a Non-Significant Revision.

Update in Bond Amount

The current revised surety is in the amount of **$15,585,300** which is an increase from the 2015-16 surety in the amount of **$14,996,900**. The increase in surety amount is mostly due to the addition of portions of MU2 and the Class V system. The bond currently in the Permit included the 2015-16 bond estimate and will be replaced by the new 2016-17 bond estimate.

Overall, the bond amount has increased but brief explanations of the changes are offered as follows:

TABLE 6.0-1: Summary of Surety Changes

Cost Category	Change	Comments
Groundwater Restoration	Increase	Addition of MU2 area, additional monitoring, refined labor
Equipment Removal and Disposal Cost	Slight Increase	Slight adjustments in cost calculations
Building Demolition and Disposal	Decrease	Decrease unit cost for decontamination, demolition, and disposal
Wellfield Buildings and Equipment Removal	Increase	Additional costs associated with header houses and contaminated materials
Well Abandonment	Decrease	Decrease in proposed MU2 wells
Wellfield and Satellite Reclamation	Increase	Increase in unit cost for disking/seeding
Miscellaneous Reclamation	Decrease	Refined reclamation acreage

The 7 Figures specifically referenced in the table of contents have been processed into ADAMS.

These drawings can be accessed within the ADAMS package or by performing a search on the Document/Report Number.

D01 – D07X

Table 3.1-2: Well Completion Details for
2016 Annual Report
Lost Creek Project PT788

WELL NAME	WELL TYPE	COMPLETION DATE	GEO UNIT NAME	EASTING (NAD83 Feet)	NORTHING (NAD83 Feet)	SURFACE ELEVATION (ft-msl)	WELL DEPTH (ft-bgs)	CASING MATERIAL	CASING INNER DIAMETER (inches)	DEPTH PERF INTERVAL TOP (ft-bgs)	DEPTH PERF INTERVAL BOTTOM (ft-bgs)	TWP	RNG	SEC	QTR-QTR	COMMENTS
1I480A	Injection	3/4/2016	Battle Spring	2213551.00	595280.00	6940.64	477	PVC	4.5	457	475	25	92	20	NENW	HH 1-13
1I483A	Injection	3/7/2016	Battle Spring	2213551.00	595355.00	6942.78	460	PVC	4.5	435	455	25	92	20	NENW	HH 1-13
1I550	Injection	4/8/2016	Battle Spring	2213579.55	595045.58	6936.98	400	PVC	4.5	370	388	25	92	20	NENW	HH 1-13
1I551A	Injection	3/25/2016	Battle Spring	2213594.24	595173.06	6938.50	392	PVC	4.5	370	388	25	92	20	NENW	HH 1-13
2M1113	Production	11/2/2015	Battle Spring	2208666.97	595141.09	6936.78	500	PVC	4.5	465	480	25	92	19	NENW	HH 2-2
2M1117	Production	11/4/2015	Battle Spring	2208667.56	595040.33	6935.04	500	PVC	4.5	455	475	25	92	19	NENW	HH 2-2
2M1121	Production	11/6/2015	Battle Spring	2208856.59	595040.66	6934.04	485	PVC	4.5	455	475	25	92	19	NENW	HH 2-2
2M1123	Production	11/9/2015	Battle Spring	2208760.56	595046.11	6933.50	495	PVC	4.5	450	475	25	92	19	NENW	HH 2-2
2M1183	Injection	11/5/2015	Battle Spring	2208755.62	594943.57	6934.88	495	PVC	4.5	420	440	25	92	19	NENW	HH 2-2
2M1251	Production	11/9/2015	Battle Spring	2208752.84	595044.11	6933.98	460	PVC	4.5	425	450	25	92	19	NENW	HH 2-2
2M1281	Production	11/5/2015	Battle Spring	2208656.99	595041.25	6935.20	460	PVC	4.5	425	452	25	92	19	NENW	HH 2-2
M-FG11	Class V Monitor	8/26/2016	Battle Spring	2210659.78	598366.24	6978.98	190	PVC	6.0	190	230	25	92	18	NWSE	Class V Monitor
MP-501	MU5 Baseline	1/18/2016	Battle Spring	2214275.13	595264.61	6942.10	460	PVC	4.5	405	437	25	92	20	NENW	MU5
MP-502	MU5 Baseline	1/18/2016	Battle Spring	2214476.93	595252.78	6945.10	480	PVC	4.5	438	465	25	92	20	NENW	MU5
MP-503	MU5 Baseline	1/19/2016	Battle Spring	2214478.64	595360.06	6944.90	430	PVC	4.5	385	410	25	92	20	NENW	MU5
MU-104A	MU1 Monitor	1/8/2016	Battle Spring	2212008.65	595463.96	6936.98	585	PVC	4.5	540	570	25	92	20	NWNW	Abandoned
MU-104B	MU1 Monitor	2/12/2016	Battle Spring	2212016.90	595464.38	6937.38	570	PVC	4.5	540	570	25	92	20	NWNW	Replacement for MU-104A

Table 3.6-2: Disturbance and Reclamation Summary
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Facility[1]	Disturbance through AR 2016 Period (acres)	Area Reclaimed (acres)	Topsoil Stock	Reclamation Status
Main Plant Area	7.60	0.00	Topsoil 12	
Class V wells (6 wells)	0.15	0.00	N/A	Topsoil replaced/not seeded
Deep Wells				
DW-1	0.10	0.00	N/A	Access road & structures
DW-3	4.60	0.00	Topsoil 13	1 of 3 pits backfilled
DW-4	3.40	0.00	Topsoil 12	Area maintained as laydown area
Pipelines [4]				
Trunk Line (outside MU)	0.00	0.00	N/A	
Pipeline to DDWs	0.00	0.00	N/A	Natural vegetation restoration
Main Roads [5]				
East-West Access Road (~48,840 ft)	22.50	0.00	Topsoil 1-11	
Plant Access Road (~1,750 ft)	0.80	0.00	Topsoil 6	
Secondary Plant Road (~1,250 ft)	0.60	0.00	N/A	
Secondary Roads [5]				
Road to DDW-1 (~1,300 ft)	0.60	0.00	N/A	
Road to DDW-3 (~600 ft)	0.28	0.00	Topsoil 13	
Road to DDW-4 (~300 ft)	0.10	0.00	Topsoil 12	
MU1 Access Road	0.23	0.00	Windrowed	
Two-Track Roads [5]	17.00	0.00	N/A	
Mine Unit 1				
Staging Area and Drill Shop	1.50	0.00	Topsoil 7	
Trunkline	1.60	1.60	N/A	
Patterns (HH1-10 - HH1-13)	34.8	15.2	N/A	Partial reseeding in spring 2016
Header Houses (11) (0.02 ac per)	0.22	0.00	MU1 Topsoil	
Monitor Wells	0.00	0.00	N/A	
Secondary Roads (~9,600 ft)	4.36	0.00	N/A	Road improvements
Two-Track Roads (~15,000 ft)	3.00	0.00	N/A	Monitor ring road
Delineation Drilling/Historic Holes	0.00	0.00	N/A	
Mine Unit 2				
Staging Area	N/A	N/A	N/A	
Trunkline (~800 ft)	0.84	0.00	Windrowed	
Patterns (Inj-Prod Wells)	9.40	0.00	MU2 Topsoil	
Header Houses	- -	- -	- -	
Monitor Wells	0.00	0.00	N/A	
Secondary Roads	0.00	0.00	N/A	Included in pattern disturbance
Two-Track Roads (~16,000 ft)	3.20	0.00	N/A	Monitor ring road
Delineation Drilling/Historic Holes	0.00	0.00	N/A	
Exploration Drilling/Historic Holes	0.00	0.00	N/A	
Miscellaneous	0.00	0.00	N/A	
TOTALS	**116.88**	**16.80**		
NET DISTURBANCE AREA	**100.08**			

[1] Facility locations are shown on Fig 3.6-1A & B

[3] Recommended topsoil stripping depths were 24 inches or less (Permit Attachment OP-5a and 5b).

[4] The width of disturbance associated with the pipelines was assumed to be: 46 feet for trunklines; 10 feet for the pipelines to the deep wells; and 10

[5] Pre-existing disturbance is not included is estimation. Road widths are: Main 32 ft, Secondary 20 ft, and 2-Track 8.7 ft.

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-101	9/23/2015	—	115	186.2	-38	6.0	20.5	-71	639	1012.4	-37	
M-101	10/7/2015	14	111	186.2	-40	5.6	20.5	-73	634	1012.4	-37	
M-101	10/21/2015	14	111	186.2	-41	6.3	20.5	-69	637	1012.4	-37	
M-101	11/4/2015	14	110	186.2	-41	6.2	20.5	-70	639	1012.4	-37	
M-101	11/17/2015	13	111	186.2	-41	6.2	20.5	-70	634	1012.4	-37	
M-101	12/2/2015	15	104	186.2	-44	5.5	20.5	-73	652	1012.4	-36	
M-101	12/17/2015	15	107	186.2	-43	5.5	20.5	-73	642	1012.4	-37	
M-101	1/5/2016	19	107	186.2	-43	6.4	20.5	-69	647	1012.4	-36	
M-101	1/20/2016	15	117	186.2	-37	0.0	20.5	-100	665	1012.4	-34	
M-101	2/8/2016	19	118	186.2	-36	5.6	20.5	-72	664	1012.4	-34	
M-101	2/18/2016	10	115	186.2	-38	5.8	20.5	-72	670	1012.4	-34	
M-101	3/4/2016	15	120	186.2	-36	5.6	20.5	-73	665	1012.4	-34	
M-101	3/24/2016	20	113	186.2	-40	6.7	20.5	-67	656	1012.4	-35	
M-101	4/6/2016	13	109	186.2	-41	6.4	20.5	-69	664	1012.4	-34	
M-101	4/22/2016	16	109	186.2	-42	6.7	20.5	-67	661	1012.4	-35	
M-101	5/3/2016	11	119	186.2	-36	5.0	20.5	-76	663	1012.4	-35	
M-101	5/19/2016	16	122	186.2	-34	6.0	20.5	-71	672	1012.4	-34	
M-101	6/1/2016	13	119	186.2	-36	6.0	20.5	-71	658	1012.4	-35	
M-101	6/15/2016	13	115	186.2	-38	5.9	20.5	-71	671	1012.4	-34	
M-101	7/7/2016	22	116	186.2	-38	5.4	20.5	-74	651	1012.4	-36	
M-101	7/19/2016	12	119	186.2	-36	5.4	20.5	-74	668	1012.4	-34	
M-101	8/3/2016	15	117	186.2	-37	6.6	20.5	-68	664	1012.4	-34	
M-101	8/17/2016	14	117	186.2	-37	5.8	20.5	-72	671	1012.4	-34	
M-101	9/2/2016	16	117	186.2	-37	5.7	20.5	-72	679	1012.4	-33	
M-102	9/23/2015	—	138	186.2	-26	6.4	20.5	-69	802	1012.4	-21	
M-102	10/7/2015	14	135	186.2	-28	5.7	20.5	-72	809	1012.4	-20	
M-102	10/21/2015	14	134	186.2	-28	6.7	20.5	-68	803	1012.4	-21	
M-102	11/4/2015	14	137	186.2	-26	6.5	20.5	-68	804	1012.4	-21	
M-102	11/17/2015	13	135	186.2	-28	9.3	20.5	-55	801	1012.4	-21	
M-102	12/2/2015	15	139	186.2	-25	6.1	20.5	-70	816	1012.4	-19	
M-102	12/17/2015	15	138	186.2	-26	6.0	20.5	-71	806	1012.4	-20	
M-102	1/5/2016	19	138	186.2	-26	5.9	20.5	-71	803	1012.4	-21	
M-102	1/20/2016	15	142	186.2	-24	1.4	20.5	-93	821	1012.4	-19	
M-102	2/8/2016	19	135	186.2	-28	5.7	20.5	-72	807	1012.4	-20	
M-102	2/18/2016	10	143	186.2	-23	6.5	20.5	-68	803	1012.4	-21	
M-102	3/4/2016	15	131	186.2	-30	6.4	20.5	-69	798	1012.4	-21	
M-102	3/24/2016	20	142	186.2	-24	6.5	20.5	-68	794	1012.4	-22	
M-102	4/6/2016	13	137	186.2	-27	6.6	20.5	-68	798	1012.4	-21	
M-102	4/22/2016	16	135	186.2	-28	7.3	20.5	-64	800	1012.4	-21	
M-102	5/3/2016	11	142	186.2	-24	6.0	20.5	-71	790	1012.4	-22	
M-102	5/19/2016	16	154	186.2	-17	6.0	20.5	-71	792	1012.4	-22	
M-102	6/1/2016	13	147	186.2	-21	5.0	20.5	-76	788	1012.4	-22	
M-102	6/15/2016	13	155	186.2	-17	6.4	20.5	-69	804	1012.4	-21	
M-102	7/7/2016	22	139	186.2	-25	5.7	20.5	-72	803	1012.4	-21	
M-102	7/21/2016	14	131	186.2	-30	6.2	20.5	-70	800	1012.4	-21	
M-102	8/3/2016	13	134	186.2	-28	6.0	20.5	-71	789	1012.4	-22	
M-102	8/17/2016	14	139	186.2	-25	6.2	20.5	-70	796	1012.4	-21	
M-102	9/2/2016	16	139	186.2	-25	5.4	20.5	-74	805	1012.4	-20	
M-103A	9/23/2015	—	138	186.2	-26	7.2	20.5	-65	814	1012.4	-20	
M-103A	10/7/2015	14	134	186.2	-28	5.9	20.5	-71	814	1012.4	-20	
M-103A	10/21/2015	14	138	186.2	-26	6.1	20.5	-70	827	1012.4	-18	
M-103A	11/4/2015	14	138	186.2	-26	6.4	20.5	-69	824	1012.4	-19	
M-103A	11/17/2015	13	134	186.2	-28	6.4	20.5	-69	824	1012.4	-19	
M-103A	12/2/2015	15	134	186.2	-28	6.8	20.5	-67	830	1012.4	-18	
M-103A	12/21/2015	19	137	186.2	-26	6.7	20.5	-67	825	1012.4	-19	
M-103A	1/6/2016	16	137	186.2	-26	5.8	20.5	-72	824	1012.4	-19	
M-103A	1/20/2016	14	137	186.2	-27	3.3	20.5	-84	843	1012.4	-17	
M-103A	2/8/2016	19	138	186.2	-26	6.4	20.5	-69	830	1012.4	-18	
M-103A	2/18/2016	10	134	186.2	-28	11.9	20.5	-42	831	1012.4	-18	
M-103A	3/4/2016	15	135	186.2	-28	6.4	20.5	-69	825	1012.4	-19	
M-103A	3/24/2016	20	133	186.2	-29	5.9	20.5	-71	822	1012.4	-19	
M-103A	4/7/2016	14	133	186.2	-28	6.2	20.5	-70	827	1012.4	-18	
M-103A	4/22/2016	15	134	186.2	-28	6.4	20.5	-69	827	1012.4	-18	
M-103A	5/3/2016	11	144	186.2	-23	6.0	20.5	-71	806	1012.4	-20	
M-103A	5/19/2016	16	145	186.2	-22	6.0	20.5	-71	815	1012.4	-19	
M-103A	6/1/2016	13	160	186.2	-14	6.0	20.5	-71	817	1012.4	-19	
M-103A	6/15/2016	13	138	186.2	-26	6.8	20.5	-67	828	1012.4	-18	
M-103A	7/7/2016	22	141	186.2	-24	6.8	20.5	-67	832	1012.4	-18	
M-103A	7/21/2016	14	139	186.2	-25	6.3	20.5	-69	821	1012.4	-19	

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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-103A	8/3/2016	13	140	186.2	-25	5.7	20.5	-72	811	1012.4	-20	
M-103A	8/17/2016	14	137	186.2	-26	6.0	20.5	-71	811	1012.4	-20	
M-103A	9/2/2016	16	133	186.2	-29	6.1	20.5	-70	816	1012.4	-19	
M-104	9/23/2015	---	146	186.2	-22	6.8	20.5	-67	803	1012.4	-21	
M-104	10/7/2015	14	141	186.2	-24	7.0	20.5	-66	802	1012.4	-21	
M-104	10/21/2015	14	144	186.2	-23	5.9	20.5	-71	813	1012.4	-20	
M-104	11/4/2015	14	136	186.2	-27	6.2	20.5	-70	812	1012.4	-20	
M-104	11/17/2015	13	143	186.2	-23	6.0	20.5	-71	809	1012.4	-20	
M-104	12/2/2015	15	138	186.2	-26	6.5	20.5	-68	827	1012.4	-18	
M-104	12/21/2015	19	141	186.2	-24	7.3	20.5	-64	842	1012.4	-17	
M-104	1/6/2016	16	140	186.2	-25	6.8	20.5	-67	840	1012.4	-17	
M-104	1/20/2016	14	141	186.2	-24	5.5	20.5	-73	834	1012.4	-18	
M-104	2/8/2016	19	141	186.2	-25	7.3	20.5	-65	824	1012.4	-19	
M-104	2/18/2016	10	139	186.2	-25	10.6	20.5	-48	824	1012.4	-19	
M-104	3/4/2016	15	131	186.2	-29	6.2	20.5	-70	754	1012.4	-26	
M-104	3/24/2016	20	129	186.2	-31	5.9	20.5	-71	744	1012.4	-27	
M-104	4/7/2016	14	125	186.2	-33	6.2	20.5	-70	738	1012.4	-27	
M-104	4/22/2016	15	122	186.2	-35	6.7	20.5	-68	724	1012.4	-28	
M-104	5/3/2016	11	140	186.2	-25	6.0	20.5	-71	700	1012.4	-31	
M-104	5/19/2016	16	131	186.2	-30	6.0	20.5	-71	688	1012.4	-32	
M-104	6/2/2016	14	133	186.2	-29	6.0	20.5	-71	689	1012.4	-32	
M-104	6/15/2016	13	127	186.2	-32	6.4	20.5	-69	729	1012.4	-28	
M-104	7/7/2016	22	128	186.2	-31	6.5	20.5	-68	733	1012.4	-28	
M-104	7/21/2016	14	127	186.2	-32	5.8	20.5	-72	720	1012.4	-29	
M-104	8/3/2016	13	121	186.2	-35	5.7	20.5	-72	687	1012.4	-32	
M-104	8/17/2016	14	131	186.2	-30	5.8	20.5	-72	764	1012.4	-25	
M-104	9/2/2016	16	141	186.2	-24	7.2	20.5	-65	820	1012.4	-19	
M-105	9/23/2015	---	130	186.2	-30	6.4	20.5	-69	676	1012.4	-33	
M-105	10/7/2015	14	120	186.2	-36	6.2	20.5	-70	647	1012.4	-36	
M-105	10/21/2015	14	117	186.2	-37	5.3	20.5	-74	643	1012.4	-36	
M-105	11/4/2015	14	121	186.2	-35	5.6	20.5	-73	629	1012.4	-38	
M-105	11/18/2015	14	121	186.2	-35	5.8	20.5	-72	613	1012.4	-39	
M-105	12/2/2015	14	122	186.2	-34	5.2	20.5	-75	652	1012.4	-36	
M-105	12/21/2015	19	126	186.2	-32	5.7	20.5	-72	721	1012.4	-29	
M-105	1/6/2016	16	125	186.2	-33	7.7	20.5	-63	689	1012.4	-32	
M-105	1/20/2016	14	119	186.2	-36	5.6	20.5	-73	597	1012.4	-41	
M-105	2/8/2016	19	113	186.2	-39	5.8	20.5	-72	599	1012.4	-41	
M-105	2/18/2016	10	116	186.2	-38	5.5	20.5	-73	601	1012.4	-41	
M-105	3/4/2016	15	110	186.2	-41	5.8	20.5	-72	597	1012.4	-41	
M-105	3/24/2016	20	115	186.2	-38	6.2	20.5	-70	636	1012.4	-37	
M-105	4/7/2016	14	120	186.2	-36	6.4	20.5	-69	653	1012.4	-35	
M-105	4/22/2016	15	121	186.2	-35	5.6	20.5	-73	655	1012.4	-35	
M-105	5/4/2016	12	126	186.2	-32	5.0	20.5	-76	613	1012.4	-39	
M-105	5/19/2016	15	120	186.2	-36	5.0	20.5	-76	563	1012.4	-44	
M-105	6/2/2016	14	133	186.2	-29	6.0	20.5	-71	686	1012.4	-32	
M-105	6/15/2016	13	138	186.2	-26	5.7	20.5	-72	763	1012.4	-25	
M-105	7/7/2016	22	126	186.2	-32	5.4	20.5	-74	632	1012.4	-38	
M-105	7/21/2016	14	124	186.2	-33	5.7	20.5	-72	694	1012.4	-31	
M-105	8/3/2016	13	133	186.2	-29	6.6	20.5	-68	739	1012.4	-27	
M-105	8/17/2016	14	140	186.2	-25	6.6	20.5	-68	796	1012.4	-21	
M-105	9/2/2016	16	140	186.2	-25	6.0	20.5	-71	794	1012.4	-22	
M-106	9/23/2015	---	118	186.2	-36	5.8	20.5	-72	608	1012.4	-40	
M-106	10/7/2015	14	118	186.2	-37	6.3	20.5	-69	607	1012.4	-40	
M-106	10/21/2015	14	122	186.2	-34	6.1	20.5	-70	615	1012.4	-39	
M-106	11/4/2015	14	114	186.2	-39	5.8	20.5	-72	615	1012.4	-39	
M-106	11/18/2015	14	122	186.2	-34	5.8	20.5	-72	621	1012.4	-39	
M-106	12/2/2015	14	113	186.2	-39	5.6	20.5	-73	628	1012.4	-38	
M-106	12/21/2015	19	122	186.2	-35	5.7	20.5	-72	713	1012.4	-30	
M-106	1/6/2016	16	119	186.2	-36	6.4	20.5	-69	681	1012.4	-33	
M-106	1/20/2016	14	115	186.2	-38	5.7	20.5	-72	639	1012.4	-37	
M-106	2/8/2016	19	119	186.2	-36	5.3	20.5	-74	637	1012.4	-37	
M-106	2/18/2016	10	117	186.2	-37	5.5	20.5	-73	626	1012.4	-38	
M-106	3/4/2016	15	127	186.2	-32	6.0	20.5	-71	632	1012.4	-38	
M-106	3/24/2016	20	114	186.2	-39	6.6	20.5	-68	628	1012.4	-38	
M-106	4/7/2016	14	115	186.2	-38	6.0	20.5	-71	605	1012.4	-40	
M-106	4/22/2016	15	132	186.2	-29	6.7	20.5	-67	616	1012.4	-39	
M-106	5/4/2016	12	124	186.2	-33	5.0	20.5	-76	592	1012.4	-42	
M-106	5/19/2016	15	123	186.2	-34	5.0	20.5	-76	596	1012.4	-41	
M-106	6/2/2016	14	126	186.2	-32	5.0	20.5	-76	587	1012.4	-42	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	
M-106	6/15/2016	13	118	186.2	-36	5.8	20.5	-72	624	1012.4	-38	
M-106	7/7/2016	22	117	186.2	-37	5.5	20.5	-73	613	1012.4	-39	
M-106	7/21/2016	14	139	186.2	-25	6.1	20.5	-70	617	1012.4	-39	
M-106	8/3/2016	13	120	186.2	-36	5.6	20.5	-73	632	1012.4	-38	
M-106	8/17/2016	14	124	186.2	-33	5.9	20.5	-71	666	1012.4	-34	
M-106	9/2/2016	16	119	186.2	-36	5.1	20.5	-75	658	1012.4	-35	
M-107	9/23/2015	---	120	186.2	-36	6.0	20.5	-71	664	1012.4	-34	
M-107	10/7/2015	14	116	186.2	-38	6.0	20.5	-71	669	1012.4	-34	
M-107	10/21/2015	14	116	186.2	-38	6.5	20.5	-68	675	1012.4	-33	
M-107	11/4/2015	14	122	186.2	-34	6.5	20.5	-68	672	1012.4	-34	
M-107	11/18/2015	14	118	186.2	-37	5.6	20.5	-73	682	1012.4	-33	
M-107	12/2/2015	14	123	186.2	-34	6.8	20.5	-67	680	1012.4	-33	
M-107	12/21/2015	19	121	186.2	-35	6.4	20.5	-69	680	1012.4	-33	
M-107	1/6/2016	16	124	186.2	-34	5.9	20.5	-71	682	1012.4	-33	
M-107	1/20/2016	14	122	186.2	-34	5.6	20.5	-73	688	1012.4	-32	
M-107	2/8/2016	19	119	186.2	-36	6.1	20.5	-70	681	1012.4	-33	
M-107	2/18/2016	10	121	186.2	-35	6.6	20.5	-68	680	1012.4	-33	
M-107	3/4/2016	15	118	186.2	-37	6.4	20.5	-69	683	1012.4	-33	
M-107	3/24/2016	20	121	186.2	-35	7.1	20.5	-65	681	1012.4	-33	
M-107	4/7/2016	14	118	186.2	-36	8.8	20.5	-57	681	1012.4	-33	
M-107	4/22/2016	15	118	186.2	-37	7.3	20.5	-64	681	1012.4	-33	
M-107	5/4/2016	12	126	186.2	-32	5.0	20.5	-76	668	1012.4	-34	
M-107	5/19/2016	15	129	186.2	-31	6.0	20.5	-71	672	1012.4	-34	
M-107	6/2/2016	14	133	186.2	-29	6.0	20.5	-71	682	1012.4	-33	
M-107	6/15/2016	13	125	186.2	-33	6.5	20.5	-68	682	1012.4	-33	
M-107	7/7/2016	22	127	186.2	-32	6.9	20.5	-66	685	1012.4	-32	
M-107	7/21/2016	14	119	186.2	-36	6.5	20.5	-69	688	1012.4	-32	
M-107	8/3/2016	13	122	186.2	-34	5.6	20.5	-73	686	1012.4	-32	
M-107	8/17/2016	14	122	186.2	-34	6.3	20.5	-69	682	1012.4	-33	
M-107	9/2/2016	16	124	186.2	-33	5.8	20.5	-72	682	1012.4	-33	
M-108	9/23/2015	---	117	186.2	-37	6.1	20.5	-70	540	1012.4	-47	
M-108	10/7/2015	14	112	186.2	-40	5.8	20.5	-72	550	1012.4	-46	
M-108	10/21/2015	14	113	186.2	-39	5.5	20.5	-73	555	1012.4	-45	
M-108	11/4/2015	14	106	186.2	-43	5.6	20.5	-73	553	1012.4	-45	
M-108	11/18/2015	14	110	186.2	-41	5.7	20.5	-72	552	1012.4	-45	
M-108	12/2/2015	14	107	186.2	-43	5.9	20.5	-71	553	1012.4	-45	
M-108	12/21/2015	19	105	186.2	-44	6.2	20.5	-70	546	1012.4	-46	
M-108	1/6/2016	16	106	186.2	-43	5.8	20.5	-72	548	1012.4	-46	
M-108	1/20/2016	14	107	186.2	-42	5.1	20.5	-75	553	1012.4	-45	
M-108	2/9/2016	20	106	186.2	-43	6.8	20.5	-67	543	1012.4	-46	
M-108	2/19/2016	10	106	186.2	-43	6.9	20.5	-66	542	1012.4	-46	
M-108	3/4/2016	14	107	186.2	-43	6.1	20.5	-70	541	1012.4	-47	
M-108	3/24/2016	20	106	186.2	-43	5.8	20.5	-72	548	1012.4	-46	
M-108	4/7/2016	14	107	186.2	-42	6.2	20.5	-70	542	1012.4	-46	
M-108	4/22/2016	15	105	186.2	-44	6.2	20.5	-70	543	1012.4	-46	
M-108	5/4/2016	12	113	186.2	-39	5.0	20.5	-76	438	1012.4	-57	
M-108	5/19/2016	15	114	186.2	-39	6.0	20.5	-71	538	1012.4	-47	
M-108	6/2/2016	14	128	186.2	-31	6.0	20.5	-71	540	1012.4	-47	
M-108	6/15/2016	13	107	186.2	-43	5.8	20.5	-72	548	1012.4	-46	
M-108	7/7/2016	22	107	186.2	-43	6.2	20.5	-70	554	1012.4	-45	
M-108	7/21/2016	14	111	186.2	-40	5.6	20.5	-73	554	1012.4	-45	
M-108	8/3/2016	13	109	186.2	-41	5.6	20.5	-72	552	1012.4	-45	
M-108	8/17/2016	14	107	186.2	-43	5.5	20.5	-73	554	1012.4	-45	
M-108	9/2/2016	16	106	186.2	-43	6.4	20.5	-69	556	1012.4	-45	
M-109	9/23/2015	---	110	186.2	-41	6.6	20.5	-68	549	1012.4	-46	
M-109	10/7/2015	14	106	186.2	-43	5.4	20.5	-74	570	1012.4	-44	
M-109	10/21/2015	14	108	186.2	-42	5.3	20.5	-74	574	1012.4	-43	
M-109	11/4/2015	14	112	186.2	-40	5.5	20.5	-73	577	1012.4	-43	
M-109	11/18/2015	14	114	186.2	-39	6.3	20.5	-69	584	1012.4	-42	
M-109	12/2/2015	14	115	186.2	-38	5.8	20.5	-72	601	1012.4	-41	
M-109	12/21/2015	19	114	186.2	-39	5.8	20.5	-72	593	1012.4	-41	
M-109	1/6/2016	16	113	186.2	-39	6.1	20.5	-70	586	1012.4	-42	
M-109	1/20/2016	14	107	186.2	-43	6.3	20.5	-69	585	1012.4	-42	
M-109	2/9/2016	20	108	186.2	-42	6.5	20.5	-68	573	1012.4	-43	
M-109	2/19/2016	10	109	186.2	-42	6.0	20.5	-71	575	1012.4	-43	
M-109	3/4/2016	14	108	186.2	-42	5.6	20.5	-73	576	1012.4	-43	
M-109	3/24/2016	20	102	186.2	-45	5.7	20.5	-72	572	1012.4	-44	
M-109	4/7/2016	14	104	186.2	-44	11.5	20.5	-44	575	1012.4	-43	
M-109	4/23/2016	16	105	186.2	-43	6.0	20.5	-71	572	1012.4	-44	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-109	5/4/2016	11	113	186.2	-39	5.0	20.5	-76	563	1012.4	-44	
M-109	5/19/2016	15	112	186.2	-40	6.0	20.5	-71	555	1012.4	-45	
M-109	6/2/2016	14	114	186.2	-39	5.0	20.5	-76	555	1012.4	-45	
M-109	6/16/2016	14	108	186.2	-42	5.7	20.5	-72	563	1012.4	-44	
M-109	7/7/2016	21	108	186.2	-42	5.7	20.5	-72	559	1012.4	-45	
M-109	7/21/2016	14	103	186.2	-45	5.4	20.5	-74	553	1012.4	-45	
M-109	8/3/2016	13	108	186.2	-42	6.2	20.5	-70	552	1012.4	-45	
M-109	8/17/2016	14	109	186.2	-41	5.6	20.5	-73	561	1012.4	-45	
M-109	9/2/2016	16	106	186.2	-43	6.0	20.5	-71	554	1012.4	-45	
M-110	9/23/2015	---	118	186.2	-37	6.9	20.5	-66	541	1012.4	-47	
M-110	10/7/2015	14	109	186.2	-42	6.3	20.5	-69	554	1012.4	-45	
M-110	10/21/2015	14	111	186.2	-41	6.8	20.5	-67	568	1012.4	-44	
M-110	11/4/2015	14	113	186.2	-40	6.8	20.5	-67	562	1012.4	-44	
M-110	11/18/2015	14	110	186.2	-41	7.1	20.5	-66	570	1012.4	-44	
M-110	12/2/2015	14	112	186.2	-40	6.2	20.5	-70	587	1012.4	-42	
M-110	12/21/2015	19	112	186.2	-40	6.3	20.5	-69	581	1012.4	-43	
M-110	1/6/2016	16	110	186.2	-41	7.2	20.5	-65	569	1012.4	-44	
M-110	1/20/2016	14	116	186.2	-38	7.5	20.5	-64	592	1012.4	-42	
M-110	2/9/2016	20	109	186.2	-41	6.9	20.5	-66	573	1012.4	-43	
M-110	2/19/2016	10	113	186.2	-39	6.3	20.5	-69	572	1012.4	-44	
M-110	3/4/2016	14	109	186.2	-41	6.4	20.5	-69	572	1012.4	-44	
M-110	3/24/2016	20	111	186.2	-40	7.5	20.5	-63	562	1012.4	-44	
M-110	4/7/2016	14	110	186.2	-41	7.2	20.5	-65	573	1012.4	-43	
M-110	4/23/2016	16	108	186.2	-42	8.1	20.5	-61	574	1012.4	-43	
M-110	5/4/2016	11	119	186.2	-36	6.0	20.5	-71	573	1012.4	-43	
M-110	5/19/2016	15	119	186.2	-36	6.0	20.5	-71	510	1012.4	-50	
M-110	6/2/2016	14	124	186.2	-33	6.0	20.5	-71	563	1012.4	-44	
M-110	6/16/2016	14	115	186.2	-38	7.1	20.5	-65	576	1012.4	-43	
M-110	7/7/2016	21	115	186.2	-38	6.9	20.5	-67	575	1012.4	-43	
M-110	7/21/2016	14	110	186.2	-41	7.0	20.5	-66	546	1012.4	-46	
M-110	8/3/2016	13	109	186.2	-41	6.6	20.5	-68	566	1012.4	-44	
M-110	8/18/2016	15	112	186.2	-40	7.5	20.5	-63	585	1012.4	-42	
M-110	9/2/2016	15	114	186.2	-39	6.5	20.5	-68	584	1012.4	-42	
M-111	9/23/2015	---	115	186.2	-38	5.8	20.5	-72	551	1012.4	-46	
M-111	10/7/2015	14	114	186.2	-39	6.2	20.5	-70	554	1012.4	-45	
M-111	10/21/2015	14	111	186.2	-40	6.5	20.5	-68	547	1012.4	-46	
M-111	11/4/2015	14	104	186.2	-44	6.2	20.5	-70	546	1012.4	-46	
M-111	11/18/2015	14	110	186.2	-41	5.4	20.5	-74	541	1012.4	-47	
M-111	12/2/2015	14	108	186.2	-42	5.5	20.5	-73	554	1012.4	-45	
M-111	12/21/2015	19	104	186.2	-44	5.7	20.5	-72	551	1012.4	-46	
M-111	1/6/2016	16	112	186.2	-40	6.3	20.5	-69	551	1012.4	-46	
M-111	1/20/2016	14	113	186.2	-40	5.8	20.5	-72	560	1012.4	-45	
M-111	2/9/2016	20	113	186.2	-39	5.3	20.5	-74	556	1012.4	-45	
M-111	2/19/2016	10	109	186.2	-41	5.7	20.5	-72	563	1012.4	-44	
M-111	3/4/2016	14	115	186.2	-38	6.0	20.5	-71	565	1012.4	-44	
M-111	3/24/2016	20	109	186.2	-42	7.7	20.5	-63	569	1012.4	-44	
M-111	4/7/2016	14	112	186.2	-40	7.8	20.5	-62	559	1012.4	-45	
M-111	4/23/2016	16	105	186.2	-44	7.1	20.5	-65	554	1012.4	-45	
M-111	5/4/2016	11	117	186.2	-37	5.0	20.5	-76	540	1012.4	-47	
M-111	5/19/2016	15	124	186.2	-33	6.0	20.5	-71	546	1012.4	-46	
M-111	6/2/2016	14	117	186.2	-37	6.0	20.5	-71	541	1012.4	-47	
M-111	6/16/2016	14	107	186.2	-43	6.3	20.5	-69	545	1012.4	-46	
M-111	7/7/2016	21	129	186.2	-31	6.0	20.5	-71	559	1012.4	-45	
M-111	7/21/2016	14	116	186.2	-38	6.2	20.5	-70	557	1012.4	-45	
M-111	8/3/2016	13	112	186.2	-40	5.2	20.5	-75	550	1012.4	-46	
M-111	8/18/2016	15	136	186.2	-27	5.7	20.5	-72	562	1012.4	-44	
M-111	9/2/2016	15	112	186.2	-40	5.1	20.5	-75	559	1012.4	-45	
M-112	9/23/2015	---	122	186.2	-35	5.6	20.5	-73	544	1012.4	-46	
M-112	10/7/2015	14	108	186.2	-42	6.8	20.5	-67	546	1012.4	-46	
M-112	10/21/2015	14	108	186.2	-42	6.0	20.5	-71	551	1012.4	-46	
M-112	11/4/2015	14	114	186.2	-39	5.8	20.5	-72	552	1012.4	-45	
M-112	11/18/2015	14	111	186.2	-40	5.2	20.5	-75	546	1012.4	-46	
M-112	12/2/2015	14	114	186.2	-39	6.5	20.5	-68	553	1012.4	-45	
M-112	12/21/2015	19	113	186.2	-39	6.0	20.5	-71	561	1012.4	-45	
M-112	1/6/2016	16	108	186.2	-42	5.4	20.5	-74	560	1012.4	-45	
M-112	1/20/2016	14	109	186.2	-41	5.4	20.5	-74	560	1012.4	-45	
M-112	2/9/2016	20	109	186.2	-42	5.9	20.5	-71	559	1012.4	-45	
M-112	2/19/2016	10	114	186.2	-39	6.8	20.5	-67	561	1012.4	-45	
M-112	3/4/2016	14	108	186.2	-42	5.8	20.5	-71	558	1012.4	-45	

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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-112	3/24/2016	20	107	186.2	-43	5.5	20.5	-73	553	1012.4	-45	
M-112	4/7/2016	14	106	186.2	-43	6.5	20.5	-68	553	1012.4	-45	
M-112	4/23/2016	16	110	186.2	-41	6.0	20.5	-71	557	1012.4	-45	
M-112	5/4/2016	11	117	186.2	-37	5.0	20.5	-76	539	1012.4	-47	
M-112	5/19/2016	15	116	186.2	-38	5.0	20.5	-76	538	1012.4	-47	
M-112	6/2/2016	14	139	186.2	-25	5.0	20.5	-76	513	1012.4	-49	
M-112	6/16/2016	14	115	186.2	-38	5.6	20.5	-73	551	1012.4	-46	
M-112	7/7/2016	21	112	186.2	-40	5.6	20.5	-73	552	1012.4	-45	
M-112	7/21/2016	14	107	186.2	-43	5.3	20.5	-74	548	1012.4	-46	
M-112	8/3/2016	13	112	186.2	-40	5.8	20.5	-72	547	1012.4	-46	
M-112	8/18/2016	15	109	186.2	-41	5.3	20.5	-74	554	1012.4	-45	
M-112	9/2/2016	15	109	186.2	-42	6.0	20.5	-71	552	1012.4	-45	
M-113	9/22/2015	---	108	186.2	-42	5.6	20.5	-73	508	1012.4	-50	
M-113	10/6/2015	14	105	186.2	-44	5.1	20.5	-75	496	1012.4	-51	
M-113	10/20/2015	14	110	186.2	-41	7.7	20.5	-63	505	1012.4	-50	
M-113	11/3/2015	14	103	186.2	-45	4.9	20.5	-76	509	1012.4	-50	
M-113	11/17/2015	14	99	186.2	-47	5.2	20.5	-75	503	1012.4	-50	
M-113	12/1/2015	14	99	186.2	-47	4.8	20.5	-76	496	1012.4	-51	
M-113	12/17/2015	16	103	186.2	-45	5.5	20.5	-73	513	1012.4	-49	
M-113	1/6/2016	20	99	186.2	-47	5.1	20.5	-75	515	1012.4	-49	
M-113	1/19/2016	13	101	186.2	-46	5.3	20.5	-74	516	1012.4	-49	
M-113	2/4/2016	16	101	186.2	-46	6.2	20.5	-70	512	1012.4	-49	
M-113	2/17/2016	13	99	186.2	-47	5.7	20.5	-72	513	1012.4	-49	
M-113	3/2/2016	14	99	186.2	-47	5.1	20.5	-75	512	1012.4	-49	
M-113	3/22/2016	20	101	186.2	-46	5.5	20.5	-73	511	1012.4	-50	
M-113	4/7/2016	16	99	186.2	-47	6.7	20.5	-67	514	1012.4	-49	
M-113	4/19/2016	12	100	186.2	-47	5.6	20.5	-73	510	1012.4	-50	
M-113	5/3/2016	14	108	186.2	-42	5.0	20.5	-76	510	1012.4	-50	
M-113	5/18/2016	15	109	186.2	-41	5.0	20.5	-76	506	1012.4	-50	
M-113	6/1/2016	14	112	186.2	-40	5.0	20.5	-76	502	1012.4	-50	
M-113	6/15/2016	14	103	186.2	-44	5.1	20.5	-75	516	1012.4	-49	
M-113	7/6/2016	21	104	186.2	-44	5.1	20.5	-75	515	1012.4	-49	
M-113	7/19/2016	13	103	186.2	-45	5.0	20.5	-76	517	1012.4	-49	
M-113	8/2/2016	14	117	186.2	-37	5.8	20.5	-72	517	1012.4	-49	
M-113	8/16/2016	14	104	186.2	-44	5.0	20.5	-76	517	1012.4	-49	
M-113	9/1/2016	16	104	186.2	-44	5.6	20.5	-73	519	1012.4	-49	
M-114A	9/22/2015	---	112	186.2	-40	5.8	20.5	-72	511	1012.4	-50	
M-114A	10/6/2015	14	104	186.2	-44	5.8	20.5	-72	511	1012.4	-50	
M-114A	10/20/2015	14	105	186.2	-44	5.8	20.5	-71	514	1012.4	-49	
M-114A	11/3/2015	14	103	186.2	-45	5.0	20.5	-75	519	1012.4	-49	
M-114A	11/17/2015	14	114	186.2	-39	5.7	20.5	-72	515	1012.4	-49	
M-114A	12/1/2015	14	108	186.2	-42	5.4	20.5	-74	516	1012.4	-49	
M-114A	12/17/2015	16	103	186.2	-45	4.9	20.5	-76	525	1012.4	-48	
M-114A	1/5/2016	19	108	186.2	-42	5.6	20.5	-73	524	1012.4	-48	
M-114A	1/19/2016	14	109	186.2	-42	5.7	20.5	-72	528	1012.4	-48	
M-114A	2/4/2016	16	109	186.2	-41	5.5	20.5	-73	524	1012.4	-48	
M-114A	2/17/2016	13	103	186.2	-45	5.0	20.5	-75	527	1012.4	-48	
M-114A	3/2/2016	14	107	186.2	-43	5.0	20.5	-75	524	1012.4	-48	
M-114A	3/22/2016	20	104	186.2	-44	6.1	20.5	-70	520	1012.4	-49	
M-114A	4/6/2016	15	108	186.2	-42	6.1	20.5	-70	529	1012.4	-48	
M-114A	4/19/2016	13	102	186.2	-45	7.9	20.5	-61	516	1012.4	-49	
M-114A	5/3/2016	14	111	186.2	-40	5.0	20.5	-76	515	1012.4	-49	
M-114A	5/18/2016	15	112	186.2	-40	5.0	20.5	-76	514	1012.4	-49	
M-114A	6/1/2016	14	115	186.2	-38	5.0	20.5	-76	517	1012.4	-49	
M-114A	6/15/2016	14	106	186.2	-43	6.1	20.5	-70	530	1012.4	-48	
M-114A	7/6/2016	21	111	186.2	-40	5.2	20.5	-75	523	1012.4	-48	
M-114A	7/19/2016	13	109	186.2	-41	5.9	20.5	-71	524	1012.4	-48	
M-114A	8/2/2016	14	108	186.2	-42	5.2	20.5	-75	529	1012.4	-48	
M-114A	8/16/2016	14	108	186.2	-42	5.6	20.5	-73	523	1012.4	-48	
M-114A	9/1/2016	16	108	186.2	-42	4.7	20.5	-77	521	1012.4	-49	
M-115A	9/22/2015	---	106	186.2	-43	5.9	20.5	-71	475	1012.4	-53	
M-115A	10/6/2015	14	107	186.2	-42	5.0	20.5	-76	494	1012.4	-51	
M-115A	10/20/2015	14	104	186.2	-44	5.1	20.5	-75	490	1012.4	-52	
M-115A	11/5/2015	16	107	186.2	-43	5.1	20.5	-75	437	1012.4	-57	
M-115A	11/17/2015	12	103	186.2	-44	5.2	20.5	-75	488	1012.4	-52	
M-115A	12/1/2015	14	104	186.2	-44	5.8	20.5	-72	489	1012.4	-52	
M-115A	12/17/2015	16	120	186.2	-35	4.8	20.5	-77	499	1012.4	-51	
M-115A	1/5/2016	19	113	186.2	-40	5.6	20.5	-73	496	1012.4	-51	
M-115A	1/19/2016	14	102	186.2	-45	5.6	20.5	-73	498	1012.4	-51	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-115A	2/4/2016	16	103	186.2	-45	4.9	20.5	-76	494	1012.4	-51	
M-115A	2/17/2016	13	105	186.2	-44	5.2	20.5	-75	497	1012.4	-51	
M-115A	3/2/2016	14	102	186.2	-45	5.4	20.5	-74	495	1012.4	-51	
M-115A	3/22/2016	20	98	186.2	-47	5.3	20.5	-74	491	1012.4	-52	
M-115A	4/6/2016	15	101	186.2	-46	4.9	20.5	-76	495	1012.4	-51	
M-115A	4/19/2016	13	101	186.2	-46	5.7	20.5	-72	491	1012.4	-52	
M-115A	5/3/2016	14	109	186.2	-41	5.0	20.5	-76	490	1012.4	-52	
M-115A	5/18/2016	15	109	186.2	-41	5.0	20.5	-76	483	1012.4	-52	
M-115A	6/1/2016	14	113	186.2	-39	5.0	20.5	-76	480	1012.4	-53	
M-115A	6/15/2016	14	109	186.2	-41	5.6	20.5	-73	490	1012.4	-52	
M-115A	7/6/2016	21	106	186.2	-43	5.6	20.5	-73	484	1012.4	-52	
M-115A	7/19/2016	13	103	186.2	-45	5.9	20.5	-71	485	1012.4	-52	
M-115A	8/2/2016	14	103	186.2	-45	4.7	20.5	-77	488	1012.4	-52	
M-115A	8/16/2016	14	102	186.2	-45	5.2	20.5	-75	484	1012.4	-52	
M-115A	9/1/2016	16	103	186.2	-45	4.6	20.5	-77	486	1012.4	-52	
M-116A	9/22/2015	---	110	186.2	-41	5.7	20.5	-72	481	1012.4	-52	
M-116A	10/6/2015	14	106	186.2	-43	4.5	20.5	-78	488	1012.4	-52	
M-116A	10/20/2015	14	106	186.2	-43	6.4	20.5	-69	488	1012.4	-52	
M-116A	11/3/2015	14	111	186.2	-40	5.5	20.5	-73	488	1012.4	-52	
M-116A	11/17/2015	14	101	186.2	-46	4.9	20.5	-76	485	1012.4	-52	
M-116A	12/1/2015	14	100	186.2	-46	5.3	20.5	-74	492	1012.4	-51	
M-116A	12/17/2015	16	104	186.2	-44	5.6	20.5	-73	498	1012.4	-51	
M-116A	1/5/2016	19	102	186.2	-45	5.3	20.5	-74	497	1012.4	-51	
M-116A	1/19/2016	14	101	186.2	-46	5.3	20.5	-74	501	1012.4	-51	
M-116A	2/4/2016	16	101	186.2	-46	5.5	20.5	-73	493	1012.4	-51	
M-116A	2/17/2016	13	103	186.2	-44	5.9	20.5	-71	497	1012.4	-51	
M-116A	3/2/2016	14	101	186.2	-46	5.3	20.5	-74	497	1012.4	-51	
M-116A	3/22/2016	20	99	186.2	-47	4.8	20.5	-77	492	1012.4	-51	
M-116A	4/6/2016	15	99	186.2	-47	5.2	20.5	-75	495	1012.4	-51	
M-116A	4/19/2016	13	104	186.2	-44	5.4	20.5	-73	493	1012.4	-51	
M-116A	5/3/2016	14	109	186.2	-41	5.0	20.5	-76	486	1012.4	-52	
M-116A	5/18/2016	15	110	186.2	-41	5.0	20.5	-76	486	1012.4	-52	
M-116A	6/1/2016	14	113	186.2	-39	5.0	20.5	-76	488	1012.4	-52	
M-116A	6/15/2016	14	106	186.2	-43	5.1	20.5	-75	498	1012.4	-51	
M-116A	7/6/2016	21	105	186.2	-44	5.4	20.5	-74	496	1012.4	-51	
M-116A	7/19/2016	13	102	186.2	-45	4.8	20.5	-77	496	1012.4	-51	
M-116A	8/2/2016	14	102	186.2	-45	5.3	20.5	-74	497	1012.4	-51	
M-116A	8/16/2016	14	104	186.2	-44	4.8	20.5	-77	494	1012.4	-51	
M-116A	9/1/2016	16	104	186.2	-44	5.9	20.5	-71	496	1012.4	-51	
M-117	9/22/2015	---	112	186.2	-40	5.5	20.5	-73	469	1012.4	-54	
M-117	10/6/2015	14	104	186.2	-44	5.5	20.5	-73	478	1012.4	-53	
M-117	10/20/2015	14	106	186.2	-43	6.2	20.5	-70	477	1012.4	-53	
M-117	11/4/2015	15	105	186.2	-44	4.8	20.5	-77	478	1012.4	-53	
M-117	11/17/2015	13	107	186.2	-43	5.7	20.5	-72	477	1012.4	-53	
M-117	12/1/2015	14	104	186.2	-44	4.8	20.5	-77	486	1012.4	-52	
M-117	12/17/2015	16	109	186.2	-41	5.7	20.5	-72	488	1012.4	-52	
M-117	1/5/2016	19	106	186.2	-43	4.9	20.5	-76	484	1012.4	-52	
M-117	1/19/2016	14	105	186.2	-44	4.9	20.5	-76	489	1012.4	-52	
M-117	2/4/2016	16	104	186.2	-44	5.7	20.5	-72	482	1012.4	-52	
M-117	2/17/2016	13	102	186.2	-45	5.3	20.5	-74	487	1012.4	-52	
M-117	3/2/2016	14	105	186.2	-43	4.7	20.5	-77	484	1012.4	-52	
M-117	3/22/2016	20	107	186.2	-43	5.2	20.5	-75	482	1012.4	-52	
M-117	4/6/2016	15	115	186.2	-38	6.2	20.5	-70	484	1012.4	-52	
M-117	4/19/2016	13	102	186.2	-45	4.8	20.5	-77	480	1012.4	-53	
M-117	5/3/2016	14	111	186.2	-40	5.0	20.5	-76	482	1012.4	-52	
M-117	5/18/2016	15	112	186.2	-40	5.0	20.5	-76	476	1012.4	-53	
M-117	6/1/2016	14	113	186.2	-39	5.0	20.5	-76	478	1012.4	-53	
M-117	6/15/2016	14	101	186.2	-45	5.3	20.5	-74	489	1012.4	-52	
M-117	7/6/2016	21	109	186.2	-41	4.1	20.5	-80	484	1012.4	-52	
M-117	7/19/2016	13	105	186.2	-44	4.9	20.5	-76	488	1012.4	-52	
M-117	8/2/2016	14	103	186.2	-45	5.6	20.5	-72	495	1012.4	-51	
M-117	8/16/2016	14	105	186.2	-44	4.9	20.5	-76	493	1012.4	-51	
M-117	9/1/2016	16	106	186.2	-43	5.3	20.5	-74	490	1012.4	-52	
M-118	9/22/2015	---	108	186.2	-42	5.6	20.5	-73	483	1012.4	-52	
M-118	10/6/2015	14	103	186.2	-45	5.8	20.5	-72	492	1012.4	-51	
M-118	10/20/2015	14	102	186.2	-45	4.9	20.5	-76	494	1012.4	-51	
M-118	11/3/2015	14	104	186.2	-44	5.6	20.5	-73	497	1012.4	-51	
M-118	11/17/2015	14	107	186.2	-42	5.6	20.5	-72	494	1012.4	-51	
M-118	12/1/2015	14	110	186.2	-41	5.2	20.5	-75	502	1012.4	-50	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-118	12/17/2015	16	107	186.2	-43	5.2	20.5	-75	507	1012.4	-50	
M-118	1/5/2016	19	108	186.2	-42	5.4	20.5	-74	499	1012.4	-51	
M-118	1/19/2016	14	121	186.2	-35	5.4	20.5	-74	502	1012.4	-50	
M-118	2/4/2016	16	111	186.2	-41	5.4	20.5	-73	494	1012.4	-51	
M-118	2/17/2016	13	109	186.2	-41	5.2	20.5	-74	499	1012.4	-51	
M-118	3/2/2016	14	111	186.2	-41	5.0	20.5	-76	499	1012.4	-51	
M-118	3/22/2016	20	108	186.2	-42	6.0	20.5	-71	494	1012.4	-51	
M-118	4/6/2016	15	107	186.2	-43	5.4	20.5	-73	497	1012.4	-51	
M-118	4/19/2016	13	103	186.2	-44	5.9	20.5	-71	494	1012.4	-51	
M-118	5/3/2016	14	111	186.2	-40	5.0	20.5	-76	490	1012.4	-52	
M-118	5/18/2016	15	108	186.2	-42	5.0	20.5	-76	491	1012.4	-52	
M-118	6/1/2016	14	112	186.2	-40	5.0	20.5	-76	494	1012.4	-51	
M-118	6/15/2016	14	105	186.2	-43	5.8	20.5	-72	506	1012.4	-50	
M-118	7/6/2016	21	108	186.2	-42	5.3	20.5	-74	498	1012.4	-51	
M-118	7/19/2016	13	102	186.2	-45	5.7	20.5	-72	503	1012.4	-50	
M-118	8/2/2016	14	102	186.2	-45	6.2	20.5	-70	507	1012.4	-50	
M-118	8/16/2016	14	104	186.2	-44	5.7	20.5	-72	498	1012.4	-51	
M-118	9/1/2016	16	107	186.2	-42	4.7	20.5	-77	498	1012.4	-51	
M-119	9/22/2015	---	120	186.2	-36	5.6	20.5	-73	470	1012.4	-54	
M-119	10/6/2015	14	116	186.2	-38	5.5	20.5	-73	471	1012.4	-53	
M-119	10/20/2015	14	118	186.2	-37	5.3	20.5	-74	471	1012.4	-53	
M-119	11/3/2015	14	116	186.2	-38	5.9	20.5	-71	476	1012.4	-53	
M-119	11/17/2015	14	111	186.2	-40	5.8	20.5	-71	472	1012.4	-53	
M-119	12/1/2015	14	109	186.2	-41	6.0	20.5	-71	477	1012.4	-53	
M-119	12/17/2015	16	113	186.2	-40	5.2	20.5	-75	484	1012.4	-52	
M-119	1/5/2016	19	111	186.2	-41	6.0	20.5	-71	484	1012.4	-52	
M-119	1/19/2016	14	112	186.2	-40	6.2	20.5	-70	491	1012.4	-52	
M-119	2/4/2016	16	115	186.2	-38	5.2	20.5	-75	488	1012.4	-52	
M-119	2/17/2016	13	113	186.2	-39	6.0	20.5	-71	492	1012.4	-51	
M-119	3/2/2016	14	107	186.2	-43	6.0	20.5	-71	487	1012.4	-52	
M-119	3/22/2016	20	106	186.2	-43	5.5	20.5	-73	481	1012.4	-52	
M-119	4/6/2016	15	109	186.2	-41	5.3	20.5	-74	485	1012.4	-52	
M-119	4/19/2016	13	115	186.2	-38	6.9	20.5	-67	483	1012.4	-52	
M-119	5/3/2016	14	118	186.2	-37	5.0	20.5	-76	474	1012.4	-53	
M-119	5/18/2016	15	119	186.2	-36	6.0	20.5	-71	472	1012.4	-53	
M-119	6/1/2016	14	122	186.2	-34	5.0	20.5	-76	470	1012.4	-54	
M-119	6/15/2016	14	116	186.2	-38	6.2	20.5	-70	478	1012.4	-53	
M-119	7/6/2016	21	113	186.2	-39	6.3	20.5	-69	475	1012.4	-53	
M-119	7/19/2016	13	110	186.2	-41	5.7	20.5	-72	474	1012.4	-53	
M-119	8/2/2016	14	111	186.2	-40	5.2	20.5	-74	473	1012.4	-53	
M-119	8/16/2016	14	112	186.2	-40	5.7	20.5	-72	471	1012.4	-53	
M-119	9/1/2016	16	111	186.2	-40	5.2	20.5	-75	472	1012.4	-53	
M-120A	9/23/2015	---	112	186.2	-40	5.9	20.5	-71	485	1012.4	-52	
M-120A	10/6/2015	13	108	186.2	-42	5.3	20.5	-74	481	1012.4	-52	
M-120A	10/20/2015	14	107	186.2	-42	5.3	20.5	-74	478	1012.4	-53	
M-120A	11/3/2015	14	108	186.2	-42	6.1	20.5	-70	495	1012.4	-51	
M-120A	11/17/2015	14	112	186.2	-40	5.5	20.5	-73	497	1012.4	-51	
M-120A	12/1/2015	14	110	186.2	-41	5.9	20.5	-71	500	1012.4	-51	
M-120A	12/17/2015	16	113	186.2	-39	5.9	20.5	-71	512	1012.4	-49	
M-120A	1/5/2016	19	111	186.2	-40	5.7	20.5	-72	486	1012.4	-52	
M-120A	1/19/2016	14	111	186.2	-41	5.6	20.5	-73	486	1012.4	-52	
M-120A	2/4/2016	16	110	186.2	-41	5.6	20.5	-73	498	1012.4	-51	
M-120A	2/17/2016	13	105	186.2	-43	6.6	20.5	-68	498	1012.4	-51	
M-120A	3/2/2016	14	109	186.2	-41	5.7	20.5	-72	483	1012.4	-52	
M-120A	3/22/2016	20	107	186.2	-43	5.2	20.5	-75	472	1012.4	-53	
M-120A	4/6/2016	15	108	186.2	-42	8.3	20.5	-60	475	1012.4	-53	
M-120A	4/19/2016	13	104	186.2	-44	5.8	20.5	-72	472	1012.4	-53	
M-120A	5/3/2016	14	125	186.2	-33	5.0	20.5	-76	462	1012.4	-54	
M-120A	5/18/2016	15	112	186.2	-40	6.0	20.5	-71	464	1012.4	-54	
M-120A	6/1/2016	14	116	186.2	-38	5.0	20.5	-76	466	1012.4	-54	
M-120A	6/15/2016	14	107	186.2	-42	5.5	20.5	-73	473	1012.4	-53	
M-120A	7/6/2016	21	113	186.2	-39	5.7	20.5	-72	471	1012.4	-53	
M-120A	7/19/2016	13	110	186.2	-41	5.3	20.5	-74	470	1012.4	-54	
M-120A	8/2/2016	14	108	186.2	-42	5.9	20.5	-71	473	1012.4	-53	
M-120A	8/17/2016	15	113	186.2	-39	4.9	20.5	-76	472	1012.4	-53	
M-120A	9/1/2016	15	112	186.2	-40	6.3	20.5	-69	474	1012.4	-53	
M-121	9/23/2015	---	115	186.2	-38	6.1	20.5	-70	506	1012.4	-50	
M-121	10/6/2015	13	111	186.2	-41	5.0	20.5	-76	504	1012.4	-50	
M-121	10/20/2015	14	113	186.2	-39	5.5	20.5	-73	507	1012.4	-50	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-121	11/3/2015	14	110	186.2	-41	5.2	20.5	-74	510	1012.4	-50	
M-121	11/17/2015	14	114	186.2	-39	6.3	20.5	-69	502	1012.4	-50	
M-121	12/1/2015	14	113	186.2	-39	5.1	20.5	-75	509	1012.4	-50	
M-121	12/17/2015	16	113	186.2	-39	5.2	20.5	-75	517	1012.4	-49	
M-121	1/5/2016	19	112	186.2	-40	5.7	20.5	-72	516	1012.4	-49	
M-121	1/19/2016	14	108	186.2	-42	6.0	20.5	-71	511	1012.4	-50	
M-121	2/4/2016	16	109	186.2	-42	5.2	20.5	-75	516	1012.4	-49	
M-121	2/17/2016	13	108	186.2	-42	5.3	20.5	-74	514	1012.4	-49	
M-121	3/2/2016	14	106	186.2	-43	5.5	20.5	-73	513	1012.4	-49	
M-121	3/22/2016	20	113	186.2	-39	5.5	20.5	-73	516	1012.4	-49	
M-121	4/6/2016	15	112	186.2	-40	6.6	20.5	-68	510	1012.4	-50	
M-121	4/19/2016	13	111	186.2	-40	6.5	20.5	-68	511	1012.4	-50	
M-121	5/3/2016	14	117	186.2	-37	5.0	20.5	-76	503	1012.4	-50	
M-121	5/18/2016	16	118	186.2	-37	6.0	20.5	-71	509	1012.4	-50	
M-121	6/1/2016	14	121	186.2	-35	5.0	20.5	-76	508	1012.4	-50	
M-121	6/15/2016	14	116	186.2	-38	5.6	20.5	-73	509	1012.4	-50	
M-121	7/6/2016	21	108	186.2	-42	5.5	20.5	-73	503	1012.4	-50	
M-121	7/19/2016	13	109	186.2	-41	5.3	20.5	-74	505	1012.4	-50	
M-121	8/2/2016	14	115	186.2	-38	5.8	20.5	-72	512	1012.4	-49	
M-121	8/17/2016	15	111	186.2	-40	4.9	20.5	-76	507	1012.4	-50	
M-121	9/1/2016	15	111	186.2	-41	5.4	20.5	-73	511	1012.4	-50	
M-122	9/23/2015	---	116	186.2	-38	6.3	20.5	-69	494	1012.4	-51	
M-122	10/6/2015	13	114	186.2	-39	5.3	20.5	-74	495	1012.4	-51	
M-122	10/20/2015	14	112	186.2	-40	5.8	20.5	-72	499	1012.4	-51	
M-122	11/3/2015	14	114	186.2	-39	4.9	20.5	-76	498	1012.4	-51	
M-122	11/17/2015	14	109	186.2	-42	7.2	20.5	-65	498	1012.4	-51	
M-122	12/1/2015	14	109	186.2	-41	5.0	20.5	-75	501	1012.4	-51	
M-122	12/17/2015	16	110	186.2	-41	5.5	20.5	-73	510	1012.4	-50	
M-122	1/5/2016	19	110	186.2	-41	5.0	20.5	-75	508	1012.4	-50	
M-122	1/19/2016	14	111	186.2	-40	5.3	20.5	-74	502	1012.4	-50	
M-122	2/4/2016	16	113	186.2	-39	5.9	20.5	-71	508	1012.4	-50	
M-122	2/17/2016	13	113	186.2	-40	6.4	20.5	-69	509	1012.4	-50	
M-122	3/2/2016	14	115	186.2	-38	5.4	20.5	-74	506	1012.4	-50	
M-122	3/22/2016	20	108	186.2	-42	5.8	20.5	-72	506	1012.4	-50	
M-122	4/6/2016	15	109	186.2	-42	5.5	20.5	-73	507	1012.4	-50	
M-122	4/19/2016	13	106	186.2	-43	5.9	20.5	-71	510	1012.4	-50	
M-122	5/3/2016	14	118	186.2	-37	5.0	20.5	-76	490	1012.4	-52	
M-122	5/18/2016	16	119	186.2	-36	6.0	20.5	-71	495	1012.4	-51	
M-122	6/1/2016	14	132	186.2	-29	5.0	20.5	-76	498	1012.4	-51	
M-122	6/15/2016	14	112	186.2	-40	5.6	20.5	-73	508	1012.4	-50	
M-122	7/6/2016	21	116	186.2	-38	6.0	20.5	-71	500	1012.4	-51	
M-122	7/19/2016	13	115	186.2	-38	4.4	20.5	-79	503	1012.4	-50	
M-122	8/2/2016	14	110	186.2	-41	5.3	20.5	-74	507	1012.4	-50	
M-122	8/17/2016	15	116	186.2	-38	5.3	20.5	-74	502	1012.4	-50	
M-122	9/1/2016	15	115	186.2	-38	5.6	20.5	-72	499	1012.4	-51	
M-123	9/23/2015	---	121	186.2	-35	5.8	20.5	-72	487	1012.4	-52	
M-123	10/6/2015	13	112	186.2	-40	5.7	20.5	-72	489	1012.4	-52	
M-123	10/20/2015	14	113	186.2	-39	5.2	20.5	-75	496	1012.4	-51	
M-123	11/4/2015	15	112	186.2	-40	5.5	20.5	-73	494	1012.4	-51	
M-123	11/17/2015	13	117	186.2	-37	6.8	20.5	-67	490	1012.4	-52	
M-123	12/1/2015	14	116	186.2	-38	5.7	20.5	-72	495	1012.4	-51	
M-123	12/17/2015	16	117	186.2	-37	5.8	20.5	-72	501	1012.4	-51	
M-123	1/5/2016	19	112	186.2	-40	5.0	20.5	-76	499	1012.4	-51	
M-123	1/19/2016	14	114	186.2	-39	4.8	20.5	-76	497	1012.4	-51	
M-123	2/8/2016	20	110	186.2	-41	5.7	20.5	-72	500	1012.4	-51	
M-123	2/18/2016	10	113	186.2	-39	5.7	20.5	-72	498	1012.4	-51	
M-123	3/2/2016	13	120	186.2	-36	4.9	20.5	-76	496	1012.4	-51	
M-123	3/22/2016	20	112	186.2	-40	5.3	20.5	-74	498	1012.4	-51	
M-123	4/6/2016	15	112	186.2	-40	4.9	20.5	-76	501	1012.4	-51	
M-123	4/22/2016	16	114	186.2	-39	5.1	20.5	-75	496	1012.4	-51	
M-123	5/4/2016	12	120	186.2	-36	5.0	20.5	-76	484	1012.4	-52	
M-123	5/18/2016	15	120	186.2	-36	5.0	20.5	-76	483	1012.4	-52	
M-123	6/1/2016	14	125	186.2	-33	5.0	20.5	-76	486	1012.4	-52	
M-123	6/15/2016	13	118	186.2	-37	5.1	20.5	-75	502	1012.4	-50	
M-123	7/6/2016	21	116	186.2	-38	5.3	20.5	-74	493	1012.4	-51	
M-123	7/19/2016	13	112	186.2	-40	6.0	20.5	-71	495	1012.4	-51	
M-123	8/2/2016	14	119	186.2	-36	5.1	20.5	-75	496	1012.4	-51	
M-123	8/17/2016	15	113	186.2	-39	5.6	20.5	-73	494	1012.4	-51	
M-123	9/1/2016	15	112	186.2	-40	5.2	20.5	-75	501	1012.4	-51	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	
M-124	9/23/2015	—	114	186.2	-39	5.3	20.5	-74	458	1012.4	-55	
M-124	10/6/2015	13	114	186.2	-39	5.4	20.5	-74	466	1012.4	-54	
M-124	10/20/2015	14	114	186.2	-39	4.6	20.5	-77	465	1012.4	-54	
M-124	11/4/2015	15	113	186.2	-39	5.8	20.5	-72	465	1012.4	-54	
M-124	11/17/2015	13	109	186.2	-42	6.8	20.5	-67	464	1012.4	-54	
M-124	12/1/2015	14	110	186.2	-41	5.4	20.5	-73	468	1012.4	-54	
M-124	12/17/2015	16	109	186.2	-42	5.1	20.5	-75	472	1012.4	-53	
M-124	1/5/2016	19	113	186.2	-39	5.6	20.5	-73	469	1012.4	-54	
M-124	1/19/2016	14	108	186.2	-42	4.7	20.5	-77	469	1012.4	-54	
M-124	2/8/2016	20	111	186.2	-40	5.0	20.5	-76	471	1012.4	-53	
M-124	2/18/2016	10	108	186.2	-42	5.5	20.5	-73	472	1012.4	-53	
M-124	3/2/2016	13	111	186.2	-40	4.9	20.5	-76	467	1012.4	-54	
M-124	3/22/2016	20	113	186.2	-39	4.9	20.5	-76	470	1012.4	-54	
M-124	4/6/2016	15	112	186.2	-40	5.5	20.5	-73	470	1012.4	-54	
M-124	4/22/2016	16	109	186.2	-41	4.8	20.5	-76	469	1012.4	-54	
M-124	5/3/2016	11	117	186.2	-37	5.0	20.5	-76	444	1012.4	-56	
M-124	5/18/2016	16	117	186.2	-37	5.0	20.5	-76	344	1012.4	-66	
M-124	6/1/2016	14	119	186.2	-36	4.0	20.5	-80	457	1012.4	-55	
M-124	6/15/2016	13	112	186.2	-40	4.8	20.5	-77	472	1012.4	-53	
M-124	7/6/2016	21	111	186.2	-40	4.6	20.5	-78	463	1012.4	-54	
M-124	7/19/2016	13	110	186.2	-41	5.1	20.5	-75	468	1012.4	-54	
M-124	8/2/2016	14	108	186.2	-42	4.9	20.5	-76	471	1012.4	-53	
M-124	8/17/2016	15	115	186.2	-38	4.8	20.5	-76	464	1012.4	-54	
M-124	9/1/2016	15	112	186.2	-40	4.6	20.5	-78	467	1012.4	-54	
M-125	9/23/2015	—	116	186.2	-38	6.0	20.5	-71	538	1012.4	-47	
M-125	10/6/2015	13	107	186.2	-43	5.9	20.5	-71	540	1012.4	-47	
M-125	10/20/2015	14	107	186.2	-43	5.9	20.5	-71	540	1012.4	-47	
M-125	11/4/2015	15	108	186.2	-42	6.2	20.5	-70	542	1012.4	-46	
M-125	11/17/2015	13	106	186.2	-43	10.2	20.5	-50	538	1012.4	-47	
M-125	12/1/2015	14	105	186.2	-44	5.9	20.5	-71	544	1012.4	-46	
M-125	12/17/2015	16	106	186.2	-43	5.8	20.5	-72	550	1012.4	-46	
M-125	1/5/2016	19	105	186.2	-44	6.6	20.5	-68	549	1012.4	-46	
M-125	1/19/2016	14	110	186.2	-41	6.8	20.5	-67	543	1012.4	-46	
M-125	2/8/2016	20	108	186.2	-42	5.5	20.5	-73	547	1012.4	-46	
M-125	2/18/2016	10	110	186.2	-41	6.3	20.5	-69	549	1012.4	-46	
M-125	3/2/2016	13	108	186.2	-42	6.7	20.5	-67	547	1012.4	-46	
M-125	3/22/2016	20	104	186.2	-44	6.3	20.5	-69	547	1012.4	-46	
M-125	4/6/2016	15	104	186.2	-44	7.0	20.5	-66	548	1012.4	-46	
M-125	4/22/2016	16	118	186.2	-37	6.2	20.5	-70	548	1012.4	-46	
M-125	5/3/2016	11	113	186.2	-39	5.0	20.5	-76	543	1012.4	-46	
M-125	5/18/2016	16	115	186.2	-38	6.0	20.5	-71	536	1012.4	-47	
M-125	6/1/2016	14	118	186.2	-37	5.0	20.5	-76	535	1012.4	-47	
M-125	6/15/2016	13	109	186.2	-41	6.8	20.5	-67	550	1012.4	-46	
M-125	7/6/2016	21	114	186.2	-39	6.3	20.5	-70	547	1012.4	-46	
M-125	7/19/2016	13	112	186.2	-40	5.7	20.5	-72	548	1012.4	-46	
M-125	8/2/2016	14	109	186.2	-41	6.1	20.5	-70	547	1012.4	-46	
M-125	8/17/2016	15	109	186.2	-41	5.6	20.5	-72	546	1012.4	-46	
M-125	9/1/2016	15	110	186.2	-41	6.7	20.5	-67	547	1012.4	-46	
M-126	9/23/2015	—	108	186.2	-42	6.0	20.5	-71	519	1012.4	-49	
M-126	10/6/2015	13	106	186.2	-43	5.4	20.5	-74	525	1012.4	-48	
M-126	10/20/2015	14	110	186.2	-41	6.3	20.5	-69	526	1012.4	-48	
M-126	11/4/2015	15	104	186.2	-44	5.5	20.5	-73	524	1012.4	-48	
M-126	11/17/2015	13	110	186.2	-41	9.3	20.5	-55	526	1012.4	-48	
M-126	12/1/2015	14	109	186.2	-41	5.4	20.5	-74	530	1012.4	-48	
M-126	12/17/2015	16	110	186.2	-41	5.8	20.5	-72	528	1012.4	-48	
M-126	1/5/2016	19	107	186.2	-42	5.8	20.5	-72	527	1012.4	-48	
M-126	1/19/2016	14	106	186.2	-43	6.2	20.5	-70	527	1012.4	-48	
M-126	2/8/2016	20	103	186.2	-45	6.3	20.5	-69	527	1012.4	-48	
M-126	2/18/2016	10	104	186.2	-44	6.1	20.5	-70	530	1012.4	-48	
M-126	3/4/2016	15	105	186.2	-43	5.8	20.5	-72	528	1012.4	-48	
M-126	3/22/2016	18	110	186.2	-41	7.3	20.5	-65	530	1012.4	-48	
M-126	4/6/2016	15	106	186.2	-43	5.7	20.5	-72	523	1012.4	-48	
M-126	4/22/2016	16	107	186.2	-42	11.9	20.5	-42	544	1012.4	-46	
M-126	5/3/2016	11	114	186.2	-39	5.0	20.5	-76	515	1012.4	-49	
M-126	5/18/2016	16	126	186.2	-32	6.0	20.5	-71	512	1012.4	-49	
M-126	6/1/2016	14	120	186.2	-36	5.0	20.5	-76	518	1012.4	-49	
M-126	6/15/2016	13	124	186.2	-34	6.5	20.5	-69	531	1012.4	-48	
M-126	7/6/2016	21	114	186.2	-39	6.7	20.5	-67	535	1012.4	-47	
M-126	7/19/2016	13	123	186.2	-34	6.5	20.5	-68	542	1012.4	-46	

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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
M-126	8/2/2016	14	109	186.2	-41	6.3	20.5	-69	530	1012.4	-48	
M-126	8/17/2016	15	122	186.2	-34	5.6	20.5	-73	527	1012.4	-48	
M-126	9/1/2016	15	109	186.2	-41	6.2	20.5	-70	536	1012.4	-47	
M-127	9/23/2015	---	113	186.2	-39	6.6	20.5	-68	524	1012.4	-48	
M-127	10/6/2015	13	112	186.2	-40	5.8	20.5	-72	528	1012.4	-48	
M-127	10/20/2015	14	111	186.2	-41	6.2	20.5	-70	526	1012.4	-48	
M-127	11/4/2015	15	112	186.2	-40	5.8	20.5	-72	531	1012.4	-48	
M-127	11/17/2015	13	106	186.2	-43	5.8	20.5	-72	533	1012.4	-47	
M-127	12/1/2015	14	109	186.2	-41	6.2	20.5	-70	537	1012.4	-47	
M-127	12/17/2015	16	108	186.2	-42	6.5	20.5	-68	543	1012.4	-46	
M-127	1/5/2016	19	112	186.2	-40	5.6	20.5	-73	542	1012.4	-46	
M-127	1/19/2016	14	106	186.2	-43	5.6	20.5	-73	530	1012.4	-48	
M-127	2/8/2016	20	109	186.2	-41	6.5	20.5	-68	538	1012.4	-47	
M-127	2/18/2016	10	110	186.2	-41	6.6	20.5	-68	541	1012.4	-47	
M-127	3/4/2016	15	110	186.2	-41	6.3	20.5	-69	539	1012.4	-47	
M-127	3/22/2016	18	108	186.2	-42	8.6	20.5	-58	547	1012.4	-46	
M-127	4/6/2016	15	112	186.2	-40	5.9	20.5	-71	544	1012.4	-46	
M-127	4/22/2016	16	104	186.2	-44	6.4	20.5	-69	538	1012.4	-47	
M-127	5/3/2016	11	126	186.2	-32	5.0	20.5	-76	525	1012.4	-48	
M-127	5/18/2016	16	116	186.2	-38	6.0	20.5	-71	526	1012.4	-48	
M-127	6/1/2016	14	120	186.2	-36	5.0	20.5	-76	532	1012.4	-47	
M-127	6/15/2016	13	108	186.2	-42	5.7	20.5	-72	538	1012.4	-47	
M-127	7/6/2016	21	116	186.2	-38	6.1	20.5	-70	534	1012.4	-47	
M-127	7/19/2016	13	112	186.2	-40	7.5	20.5	-64	544	1012.4	-46	
M-127	8/2/2016	14	107	186.2	-43	6.2	20.5	-70	539	1012.4	-47	
M-127	8/17/2016	15	109	186.2	-41	6.7	20.5	-67	547	1012.4	-46	
M-127	9/1/2016	15	115	186.2	-38	5.6	20.5	-73	557	1012.4	-45	
M-128	9/23/2015	---	115	186.2	-38	6.5	20.5	-68	548	1012.4	-46	
M-128	10/6/2015	13	108	186.2	-42	5.9	20.5	-71	548	1012.4	-46	
M-128	10/21/2015	15	111	186.2	-41	5.3	20.5	-74	550	1012.4	-46	
M-128	11/4/2015	14	109	186.2	-41	6.3	20.5	-69	552	1012.4	-45	
M-128	11/17/2015	13	109	186.2	-42	5.6	20.5	-73	544	1012.4	-46	
M-128	12/1/2015	14	107	186.2	-43	6.1	20.5	-70	544	1012.4	-46	
M-128	12/17/2015	16	109	186.2	-41	5.8	20.5	-72	547	1012.4	-46	
M-128	1/5/2016	19	108	186.2	-42	6.3	20.5	-69	560	1012.4	-45	
M-128	1/19/2016	14	114	186.2	-39	5.6	20.5	-73	546	1012.4	-46	
M-128	2/8/2016	20	112	186.2	-40	5.8	20.5	-72	563	1012.4	-44	
M-128	2/18/2016	10	112	186.2	-40	5.8	20.5	-72	569	1012.4	-44	
M-128	3/4/2016	15	111	186.2	-41	6.3	20.5	-69	563	1012.4	-44	
M-128	3/24/2016	20	108	186.2	-42	16.0	20.5	-22	610	1012.4	-40	
M-128	4/6/2016	13	107	186.2	-42	9.2	20.5	-55	566	1012.4	-44	
M-128	4/11/2016	---	114	186.2	-39	7.2	20.5	-65	573	1012.4	-43	Additional sample
M-128	4/22/2016	16	110	186.2	-41	5.7	20.5	-72	564	1012.4	-44	
M-128	5/3/2016	11	128	186.2	-31	5.0	20.5	-76	549	1012.4	-46	
M-128	5/19/2016	16	118	186.2	-37	6.0	20.5	-71	543	1012.4	-46	
M-128	6/1/2016	13	121	186.2	-35	5.0	20.5	-76	542	1012.4	-46	
M-128	6/15/2016	13	117	186.2	-37	5.5	20.5	-73	568	1012.4	-44	
M-128	7/6/2016	21	112	186.2	-40	4.5	20.5	-78	554	1012.4	-45	
M-128	7/19/2016	13	109	186.2	-41	6.5	20.5	-68	568	1012.4	-44	
M-128	8/3/2016	15	114	186.2	-39	5.6	20.5	-73	571	1012.4	-44	
M-128	8/17/2016	14	115	186.2	-38	5.9	20.5	-71	566	1012.4	-44	
M-128	9/1/2016	15	111	186.2	-41	5.4	20.5	-74	573	1012.4	-43	
MO-101	9/24/2015	---	110	182.1	-39	9.5	21.4	-56	612	921.7	-34	
MO-101	10/7/2015	13	107	182.1	-41	7.8	21.4	-64	630	921.7	-32	
MO-101	10/22/2015	15	105	182.1	-42	11.3	21.4	-47	620	921.7	-33	
MO-101	11/5/2015	14	104	182.1	-43	8.4	21.4	-61	630	921.7	-32	
MO-101	11/18/2015	13	105	182.1	-42	8.5	21.4	-60	636	921.7	-31	
MO-101	12/2/2015	14	104	182.1	-43	7.6	21.4	-64	644	921.7	-30	
MO-101	12/21/2015	19	110	182.1	-40	7.2	21.4	-66	649	921.7	-30	
MO-101	1/6/2016	16	107	182.1	-41	8.2	21.4	-61	648	921.7	-30	
MO-101	1/20/2016	14	106	182.1	-42	8.6	21.4	-60	643	921.7	-30	
MO-101	2/9/2016	20	103	182.1	-43	7.2	21.4	-66	646	921.7	-30	
MO-101	2/19/2016	10	103	182.1	-43	7.0	21.4	-67	649	921.7	-30	
MO-101	3/7/2016	17	105	182.1	-42	8.2	21.4	-61	646	921.7	-30	
MO-101	3/24/2016	17	110	182.1	-40	8.3	21.4	-61	650	921.7	-29	
MO-101	4/8/2016	15	104	182.1	-43	8.5	21.4	-60	648	921.7	-30	
MO-101	4/23/2016	15	107	182.1	-41	7.3	21.4	-66	651	921.7	-29	
MO-101	5/4/2016	11	113	182.1	-38	7.0	21.4	-67	558	921.7	-39	
MO-101	5/19/2016	16	113	182.1	-38	7.0	21.4	-67	630	921.7	-32	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
MO-101	6/2/2016	14	117	182.1	-36	7.0	21.4	-67	630	921.7	-32	
MO-101	6/16/2016	13	109	182.1	-40	8.6	21.4	-60	650	921.7	-29	
MO-101	7/7/2016	21	115	182.1	-37	7.0	21.4	-67	642	921.7	-30	
MO-101	7/21/2016	14	105	182.1	-42	7.5	21.4	-65	645	921.7	-30	
MO-101	8/4/2016	14	109	182.1	-40	7.1	21.4	-67	649	921.7	-30	
MO-101	8/18/2016	14	109	182.1	-40	6.9	21.4	-68	645	921.7	-30	
MO-101	9/3/2016	16	107	182.1	-41	8.5	21.4	-60	647	921.7	-30	
MO-102	9/24/2015	---	103	182.1	-43	7.2	21.4	-66	569	921.7	-38	
MO-102	10/7/2015	13	104	182.1	-43	6.0	21.4	-72	578	921.7	-37	
MO-102	10/22/2015	15	99	182.1	-46	6.6	21.4	-69	575	921.7	-38	
MO-102	11/5/2015	14	100	182.1	-45	7.4	21.4	-66	580	921.7	-37	
MO-102	11/18/2015	13	102	182.1	-44	7.0	21.4	-67	584	921.7	-37	
MO-102	12/2/2015	14	99	182.1	-46	5.9	21.4	-72	585	921.7	-37	
MO-102	12/21/2015	19	98	182.1	-46	6.2	21.4	-71	590	921.7	-36	
MO-102	1/6/2016	16	100	182.1	-45	6.7	21.4	-68	589	921.7	-36	
MO-102	1/20/2016	14	98	182.1	-46	7.2	21.4	-66	580	921.7	-37	
MO-102	2/9/2016	20	99	182.1	-46	7.0	21.4	-67	591	921.7	-36	
MO-102	2/19/2016	10	99	182.1	-46	6.8	21.4	-68	590	921.7	-36	
MO-102	3/7/2016	17	99	182.1	-46	6.5	21.4	-69	589	921.7	-36	
MO-102	3/24/2016	17	99	182.1	-46	7.7	21.4	-64	592	921.7	-36	
MO-102	4/7/2016	14	102	182.1	-44	6.8	21.4	-68	591	921.7	-36	
MO-102	4/23/2016	16	99	182.1	-46	6.9	21.4	-68	591	921.7	-36	
MO-102	5/4/2016	11	106	182.1	-42	6.0	21.4	-72	570	921.7	-38	
MO-102	5/19/2016	16	105	182.1	-42	6.0	21.4	-72	571	921.7	-38	
MO-102	6/3/2016	15	121	182.1	-34	6.0	21.4	-72	573	921.7	-38	
MO-102	6/16/2016	13	102	182.1	-44	7.2	21.4	-66	591	921.7	-36	
MO-102	7/7/2016	21	115	182.1	-37	7.2	21.4	-66	579	921.7	-37	
MO-102	7/21/2016	14	102	182.1	-44	8.1	21.4	-62	585	921.7	-37	
MO-102	8/4/2016	14	98	182.1	-46	7.4	21.4	-65	589	921.7	-36	
MO-102	8/18/2016	14	117	182.1	-36	6.1	21.4	-71	583	921.7	-37	
MO-102	9/3/2016	16	105	182.1	-42	6.7	21.4	-69	587	921.7	-36	
MO-103	9/24/2015	---	111	182.1	-39	8.7	21.4	-59	642	921.7	-30	
MO-103	10/7/2015	13	110	182.1	-39	8.3	21.4	-61	665	921.7	-28	
MO-103	10/22/2015	15	110	182.1	-39	10.4	21.4	-51	657	921.7	-29	
MO-103	11/5/2015	14	113	182.1	-38	9.6	21.4	-55	658	921.7	-29	
MO-103	11/18/2015	13	113	182.1	-38	8.3	21.4	-61	669	921.7	-27	
MO-103	12/3/2015	15	114	182.1	-37	9.5	21.4	-55	663	921.7	-28	
MO-103	12/21/2015	18	125	182.1	-31	9.6	21.4	-55	683	921.7	-26	
MO-103	1/6/2016	16	108	182.1	-41	8.1	21.4	-62	680	921.7	-26	
MO-103	1/20/2016	14	114	182.1	-37	10.0	21.4	-53	675	921.7	-27	
MO-103	2/9/2016	20	114	182.1	-37	9.8	21.4	-54	680	921.7	-26	
MO-103	2/19/2016	10	115	182.1	-37	9.5	21.4	-56	683	921.7	-26	
MO-103	3/7/2016	17	113	182.1	-38	8.1	21.4	-62	680	921.7	-26	
MO-103	3/24/2016	17	107	182.1	-41	8.7	21.4	-59	686	921.7	-26	
MO-103	4/7/2016	14	109	182.1	-40	9.0	21.4	-58	681	921.7	-26	
MO-103	4/23/2016	16	109	182.1	-40	9.3	21.4	-57	676	921.7	-27	
MO-103	5/4/2016	11	118	182.1	-35	8.0	21.4	-63	654	921.7	-29	
MO-103	5/19/2016	15	118	182.1	-35	8.0	21.4	-63	651	921.7	-29	
MO-103	6/3/2016	15	121	182.1	-34	8.0	21.4	-63	656	921.7	-29	
MO-103	6/16/2016	13	118	182.1	-35	8.3	21.4	-61	679	921.7	-26	
MO-103	7/7/2016	21	118	182.1	-35	9.4	21.4	-56	679	921.7	-26	
MO-103	7/21/2016	14	111	182.1	-39	9.9	21.4	-54	676	921.7	-27	
MO-103	8/4/2016	14	114	182.1	-37	8.8	21.4	-59	681	921.7	-26	
MO-103	8/18/2016	14	117	182.1	-36	9.5	21.4	-56	682	921.7	-26	
MO-103	9/3/2016	16	112	182.1	-38	8.6	21.4	-60	716	921.7	-22	
MO-104	9/24/2015	---	118	182.1	-35	8.5	21.4	-60	591	921.7	-36	
MO-104	10/7/2015	13	114	182.1	-37	9.2	21.4	-57	591	921.7	-36	
MO-104	10/22/2015	15	114	182.1	-38	8.6	21.4	-60	594	921.7	-36	
MO-104	11/5/2015	14	112	182.1	-39	8.4	21.4	-61	594	921.7	-36	
MO-104	11/18/2015	13	114	182.1	-37	8.4	21.4	-61	611	921.7	-34	
MO-104	12/3/2015	15	112	182.1	-38	9.3	21.4	-57	603	921.7	-35	
MO-104	12/21/2015	18	114	182.1	-37	9.7	21.4	-55	611	921.7	-34	
MO-104	1/12/2016	22	112	182.1	-39	8.9	21.4	-58	590	921.7	-36	
MO-104	1/25/2016	13	114	182.1	-38	8.6	21.4	-60	606	921.7	-34	
MO-104	2/9/2016	15	111	182.1	-39	8.5	21.4	-60	607	921.7	-34	
MO-104	2/19/2016	10	112	182.1	-39	8.7	21.4	-59	611	921.7	-34	
MO-104	3/7/2016	17	116	182.1	-36	9.2	21.4	-57	612	921.7	-34	
MO-104	3/24/2016	17	118	182.1	-35	8.6	21.4	-60	613	921.7	-33	
MO-104	4/7/2016	14	112	182.1	-38	10.8	21.4	-49	614	921.7	-33	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
MO-104	4/23/2016	16	117	182.1	-36	8.5	21.4	-60	612	921.7	-34	
MO-104	5/4/2016	11	122	182.1	-33	8.0	21.4	-63	595	921.7	-35	
MO-104	5/19/2016	16	121	182.1	-34	8.0	21.4	-63	597	921.7	-35	
MO-104	6/3/2016	15	126	182.1	-31	9.0	21.4	-58	597	921.7	-35	
MO-104	6/16/2016	13	115	182.1	-37	8.6	21.4	-60	621	921.7	-33	
MO-104	7/7/2016	21	118	182.1	-35	8.6	21.4	-60	611	921.7	-34	
MO-104	7/21/2016	14	114	182.1	-37	8.9	21.4	-58	610	921.7	-34	
MO-104	8/4/2016	14	116	182.1	-36	8.0	21.4	-63	607	921.7	-34	
MO-104	8/18/2016	14	114	182.1	-37	8.6	21.4	-60	608	921.7	-34	
MO-104	9/3/2016	16	137	182.1	-25	9.0	21.4	-58	609	921.7	-34	
MO-105	9/24/2015	---	107	182.1	-41	6.0	21.4	-72	469	921.7	-49	
MO-105	10/8/2015	14	104	182.1	-43	5.2	21.4	-75	459	921.7	-50	
MO-105	10/22/2015	14	98	182.1	-46	6.2	21.4	-71	466	921.7	-49	
MO-105	11/5/2015	14	100	182.1	-45	5.3	21.4	-75	466	921.7	-49	
MO-105	11/18/2015	13	100	182.1	-45	5.3	21.4	-75	474	921.7	-49	
MO-105	12/3/2015	15	103	182.1	-43	5.4	21.4	-75	480	921.7	-48	
MO-105	12/22/2015	19	101	182.1	-44	5.8	21.4	-73	471	921.7	-49	
MO-105	1/6/2016	15	104	182.1	-43	5.3	21.4	-75	483	921.7	-48	
MO-105	1/21/2016	15	101	182.1	-45	6.1	21.4	-72	485	921.7	-47	
MO-105	2/9/2016	19	103	182.1	-43	5.1	21.4	-76	483	921.7	-48	
MO-105	2/19/2016	10	104	182.1	-43	5.0	21.4	-77	482	921.7	-48	
MO-105	3/7/2016	17	106	182.1	-42	6.2	21.4	-71	484	921.7	-47	
MO-105	3/25/2016	18	101	182.1	-45	5.7	21.4	-73	482	921.7	-48	
MO-105	4/7/2016	13	105	182.1	-42	6.2	21.4	-71	481	921.7	-48	
MO-105	4/23/2016	16	99	182.1	-46	5.4	21.4	-75	482	921.7	-48	
MO-105	5/5/2016	12	110	182.1	-40	5.0	21.4	-77	258	921.7	-72	
MO-105	5/20/2016	16	109	182.1	-40	5.0	21.4	-77	466	921.7	-49	
MO-105	6/3/2016	14	112	182.1	-38	5.0	21.4	-77	467	921.7	-49	
MO-105	6/16/2016	13	106	182.1	-42	6.2	21.4	-71	484	921.7	-47	
MO-105	7/7/2016	21	105	182.1	-42	5.3	21.4	-75	482	921.7	-48	
MO-105	7/22/2016	15	106	182.1	-42	5.1	21.4	-76	481	921.7	-48	
MO-105	8/4/2016	13	102	182.1	-44	5.0	21.4	-77	482	921.7	-48	
MO-105	8/18/2016	14	104	182.1	-43	5.0	21.4	-77	479	921.7	-48	
MO-105	9/3/2016	16	102	182.1	-44	5.6	21.4	-74	479	921.7	-48	
MO-106	9/24/2015	---	90	182.1	-51	5.2	21.4	-76	430	921.7	-53	
MO-106	10/8/2015	14	90	182.1	-51	5.5	21.4	-74	443	921.7	-52	
MO-106	10/22/2015	14	94	182.1	-48	6.3	21.4	-71	449	921.7	-51	
MO-106	11/5/2015	14	99	182.1	-46	6.3	21.4	-71	453	921.7	-51	
MO-106	11/18/2015	13	98	182.1	-46	5.5	21.4	-74	460	921.7	-50	
MO-106	12/3/2015	15	92	182.1	-49	5.2	21.4	-76	456	921.7	-51	
MO-106	12/22/2015	19	94	182.1	-48	5.7	21.4	-73	457	921.7	-50	
MO-106	1/7/2016	16	107	182.1	-41	6.2	21.4	-71	462	921.7	-50	
MO-106	1/21/2016	14	111	182.1	-39	6.7	21.4	-68	461	921.7	-50	
MO-106	2/10/2016	20	96	182.1	-47	5.4	21.4	-75	464	921.7	-50	
MO-106	2/22/2016	12	100	182.1	-45	5.9	21.4	-72	468	921.7	-49	
MO-106	3/8/2016	15	96	182.1	-47	6.1	21.4	-71	468	921.7	-49	
MO-106	3/25/2016	17	94	182.1	-49	6.5	21.4	-70	464	921.7	-50	
MO-106	4/7/2016	13	97	182.1	-47	5.6	21.4	-74	468	921.7	-49	
MO-106	4/23/2016	16	94	182.1	-48	6.2	21.4	-71	466	921.7	-49	
MO-106	5/5/2016	12	104	182.1	-43	5.0	21.4	-77	413	921.7	-55	
MO-106	5/20/2016	16	105	182.1	-42	6.0	21.4	-72	454	921.7	-51	
MO-106	6/3/2016	14	101	182.1	-45	5.0	21.4	-77	444	921.7	-52	
MO-106	6/16/2016	13	107	182.1	-41	6.2	21.4	-71	474	921.7	-49	
MO-106	7/8/2016	22	106	182.1	-42	6.5	21.4	-70	466	921.7	-49	
MO-106	7/22/2016	14	100	182.1	-45	5.8	21.4	-73	469	921.7	-49	
MO-106	8/4/2016	13	105	182.1	-42	6.3	21.4	-70	472	921.7	-49	
MO-106	8/18/2016	14	105	182.1	-42	5.7	21.4	-73	472	921.7	-49	
MO-106	9/3/2016	16	101	182.1	-45	5.7	21.4	-73	469	921.7	-49	
MO-107	9/24/2015	---	96	182.1	-47	6.0	21.4	-72	449	921.7	-51	
MO-107	10/8/2015	14	96	182.1	-47	5.3	21.4	-75	458	921.7	-50	
MO-107	10/22/2015	14	100	182.1	-45	5.7	21.4	-73	458	921.7	-50	
MO-107	11/6/2015	15	105	182.1	-42	6.0	21.4	-72	461	921.7	-50	
MO-107	11/19/2015	13	104	182.1	-43	5.5	21.4	-74	466	921.7	-49	
MO-107	12/3/2015	14	100	182.1	-45	5.8	21.4	-73	471	921.7	-49	
MO-107	12/22/2015	19	101	182.1	-45	6.2	21.4	-71	477	921.7	-48	
MO-107	1/7/2016	16	102	182.1	-44	8.0	21.4	-63	495	921.7	-46	
MO-107	1/21/2016	14	103	182.1	-44	6.1	21.4	-71	474	921.7	-49	
MO-107	2/10/2016	20	97	182.1	-47	6.3	21.4	-70	469	921.7	-49	
MO-107	2/22/2016	12	99	182.1	-46	6.4	21.4	-70	473	921.7	-49	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
MO-107	3/8/2016	15	100	182.1	-45	6.2	21.4	-71	483	921.7	-48	
MO-107	3/25/2016	17	99	182.1	-46	6.7	21.4	-69	478	921.7	-48	
MO-107	4/8/2016	14	95	182.1	-48	5.6	21.4	-74	469	921.7	-49	
MO-107	4/23/2016	15	98	182.1	-46	6.2	21.4	-71	469	921.7	-49	
MO-107	5/5/2016	12	105	182.1	-42	5.0	21.4	-77	458	921.7	-50	
MO-107	5/21/2016	16	96	182.1	-47	6.0	21.4	-72	447	921.7	-52	
MO-107	6/3/2016	13	87	182.1	-52	6.0	21.4	-72	440	921.7	-52	
MO-107	6/16/2016	13	100	182.1	-45	5.4	21.4	-75	469	921.7	-49	
MO-107	7/8/2016	22	103	182.1	-43	5.8	21.4	-73	462	921.7	-50	
MO-107	7/22/2016	14	100	182.1	-45	5.9	21.4	-72	469	921.7	-49	
MO-107	8/4/2016	13	118	182.1	-35	5.9	21.4	-73	469	921.7	-49	
MO-107	8/18/2016	14	101	182.1	-45	6.0	21.4	-72	466	921.7	-49	
MO-107	9/3/2016	16	104	182.1	-43	5.2	21.4	-76	466	921.7	-49	
MO-108	9/24/2015	---	101	182.1	-45	7.7	21.4	-64	485	921.7	-47	
MO-108	10/8/2015	14	98	182.1	-46	6.9	21.4	-68	494	921.7	-46	
MO-108	10/22/2015	14	101	182.1	-45	5.7	21.4	-73	493	921.7	-47	
MO-108	11/6/2015	15	99	182.1	-46	5.9	21.4	-73	492	921.7	-47	
MO-108	11/19/2015	13	97	182.1	-47	5.7	21.4	-73	494	921.7	-46	
MO-108	12/3/2015	14	101	182.1	-45	6.8	21.4	-68	498	921.7	-46	
MO-108	12/22/2015	19	100	182.1	-45	6.3	21.4	-71	501	921.7	-46	
MO-108	1/7/2016	16	98	182.1	-46	6.1	21.4	-72	500	921.7	-46	
MO-108	1/21/2016	14	99	182.1	-46	5.7	21.4	-74	496	921.7	-46	
MO-108	2/10/2016	20	96	182.1	-47	6.9	21.4	-68	494	921.7	-46	
MO-108	2/22/2016	12	97	182.1	-47	6.3	21.4	-71	500	921.7	-46	
MO-108	3/8/2016	15	100	182.1	-45	6.7	21.4	-69	502	921.7	-46	
MO-108	3/25/2016	17	100	182.1	-45	6.1	21.4	-71	505	921.7	-45	
MO-108	4/8/2016	14	97	182.1	-47	7.6	21.4	-65	504	921.7	-45	
MO-108	4/23/2016	15	100	182.1	-45	6.2	21.4	-71	507	921.7	-45	
MO-108	5/5/2016	12	105	182.1	-42	6.0	21.4	-72	489	921.7	-47	
MO-108	5/21/2016	16	106	182.1	-42	6.0	21.4	-72	486	921.7	-47	
MO-108	6/3/2016	13	108	182.1	-41	6.0	21.4	-72	489	921.7	-47	
MO-108	6/16/2016	12	101	182.1	-44	6.2	21.4	-71	506	921.7	-45	
MO-108	7/8/2016	22	103	182.1	-43	7.2	21.4	-67	506	921.7	-45	
MO-108	7/22/2016	14	104	182.1	-43	9.1	21.4	-57	525	921.7	-43	
MO-108	8/4/2016	13	107	182.1	-41	10.7	21.4	-50	547	921.7	-41	
MO-108	8/18/2016	14	111	182.1	-39	11.4	21.4	-46	556	921.7	-40	
MO-108	8/30/2016	---	114	182.1	-38	12.6	21.4	-41	551	921.7	-40	Additional sample
MO-108	9/3/2016	16	115	182.1	-37	13.8	21.4	-36	548	921.7	-41	
MO-109	9/25/2015	---	110	182.1	-39	7.8	21.4	-64	488	921.7	-47	
MO-109	10/8/2015	13		182.1	-100		21.4	-100		921.7	-100	Missed sample event
MO-109	10/22/2015	14	103	182.1	-44	7.3	21.4	-66	498	921.7	-46	
MO-109	11/6/2015	15	105	182.1	-43	8.6	21.4	-60	514	921.7	-44	
MO-109	11/19/2015	13	107	182.1	-41	8.3	21.4	-61	515	921.7	-44	
MO-109	12/3/2015	14	109	182.1	-40	8.4	21.4	-61	519	921.7	-44	
MO-109	12/22/2015	19	109	182.1	-40	10.0	21.4	-53	532	921.7	-42	
MO-109	1/7/2016	16	113	182.1	-38	8.7	21.4	-59	532	921.7	-42	
MO-109	1/21/2016	14	112	182.1	-38	10.1	21.4	-53	535	921.7	-42	
MO-109	2/10/2016	20	120	182.1	-34	9.4	21.4	-56	541	921.7	-41	
MO-109	2/22/2016	12	116	182.1	-36	9.7	21.4	-55	556	921.7	-40	
MO-109	3/8/2016	15	113	182.1	-38	10.4	21.4	-51	544	921.7	-41	
MO-109	3/25/2016	17	112	182.1	-39	10.4	21.4	-51	544	921.7	-41	
MO-109	4/8/2016	14	125	182.1	-31	9.1	21.4	-57	523	921.7	-43	
MO-109	4/23/2016	15	108	182.1	-41	8.7	21.4	-59	534	921.7	-42	
MO-109	5/5/2016	12	116	182.1	-36	8.0	21.4	-63	513	921.7	-44	
MO-109	5/21/2016	16	117	182.1	-36	18.0	21.4	-16	510	921.7	-45	
MO-109	6/3/2016	13	121	182.1	-34	8.0	21.4	-63	511	921.7	-45	
MO-109	6/16/2016	12	117	182.1	-36	9.3	21.4	-57	525	921.7	-43	
MO-109	7/8/2016	22	116	182.1	-36	7.8	21.4	-63	514	921.7	-44	
MO-109	7/22/2016	14	110	182.1	-40	7.1	21.4	-67	516	921.7	-44	
MO-109	8/4/2016	13	112	182.1	-38	7.1	21.4	-67	522	921.7	-43	
MO-109	8/19/2016	15	115	182.1	-37	7.6	21.4	-65	521	921.7	-43	
MO-109	9/3/2016	15	111	182.1	-39	7.5	21.4	-65	522	921.7	-43	
MO-110	9/25/2015	---	97	182.1	-47	5.0	21.4	-77	422	921.7	-54	
MO-110	10/8/2015	13	96	182.1	-47	5.7	21.4	-73	429	921.7	-53	
MO-110	10/23/2015	15	97	182.1	-46	5.2	21.4	-76	413	921.7	-55	
MO-110	11/6/2015	14	96	182.1	-47	5.5	21.4	-74	431	921.7	-53	
MO-110	11/19/2015	13	99	182.1	-46	5.8	21.4	-73	433	921.7	-53	
MO-110	12/3/2015	14	95	182.1	-48	4.8	21.4	-78	433	921.7	-53	
MO-110	12/22/2015	19	95	182.1	-48	5.3	21.4	-75	433	921.7	-53	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	
MO-110	1/7/2016	16	96	182.1	-47	5.9	21.4	-73	439	921.7	-52	
MO-110	1/21/2016	14	98	182.1	-46	6.0	21.4	-72	436	921.7	-53	
MO-110	2/10/2016	20	97	182.1	-47	4.9	21.4	-77	438	921.7	-52	
MO-110	2/22/2016	12	98	182.1	-46	5.3	21.4	-75	441	921.7	-52	
MO-110	3/8/2016	15	95	182.1	-48	5.4	21.4	-75	442	921.7	-52	
MO-110	3/25/2016	17	93	182.1	-49	6.1	21.4	-71	439	921.7	-52	
MO-110	4/8/2016	14	95	182.1	-48	5.1	21.4	-76	437	921.7	-53	
MO-110	4/25/2016	17	94	182.1	-48	6.0	21.4	-72	441	921.7	-52	
MO-110	5/5/2016	10	114	182.1	-37	5.0	21.4	-77	213	921.7	-77	
MO-110	5/21/2016	16	104	182.1	-43	5.0	21.4	-77	428	921.7	-54	
MO-110	6/3/2016	13	105	182.1	-42	5.0	21.4	-77	411	921.7	-55	
MO-110	6/16/2016	12	99	182.1	-46	5.6	21.4	-74	438	921.7	-52	
MO-110	7/8/2016	22	98	182.1	-46	5.9	21.4	-73	432	921.7	-53	
MO-110	7/22/2016	14	95	182.1	-48	5.3	21.4	-75	433	921.7	-53	
MO-110	8/4/2016	13	97	182.1	-47	5.8	21.4	-73	438	921.7	-52	
MO-110	8/19/2016	15	97	182.1	-47	5.5	21.4	-74	433	921.7	-53	
MO-110	9/3/2016	15	96	182.1	-47	5.5	21.4	-74	440	921.7	-52	
MO-111	9/25/2015	---	100	182.1	-45	5.7	21.4	-73	420	921.7	-54	
MO-111	10/8/2015	13	101	182.1	-45	6.0	21.4	-72	420	921.7	-54	
MO-111	10/23/2015	15	97	182.1	-47	5.6	21.4	-74	419	921.7	-55	
MO-111	11/6/2015	14	101	182.1	-44	5.2	21.4	-75	422	921.7	-54	
MO-111	11/19/2015	13	101	182.1	-44	5.2	21.4	-76	431	921.7	-53	
MO-111	12/3/2015	14	100	182.1	-45	5.2	21.4	-76	429	921.7	-53	
MO-111	12/22/2015	19	103	182.1	-43	6.0	21.4	-72	435	921.7	-53	
MO-111	1/7/2016	16	97	182.1	-47	5.8	21.4	-73	430	921.7	-53	
MO-111	1/21/2016	14	98	182.1	-46	5.5	21.4	-74	428	921.7	-54	
MO-111	2/10/2016	20	98	182.1	-46	6.1	21.4	-71	430	921.7	-53	
MO-111	2/22/2016	12	105	182.1	-42	6.1	21.4	-71	436	921.7	-53	
MO-111	3/8/2016	15	97	182.1	-47	5.3	21.4	-75	433	921.7	-53	
MO-111	3/25/2016	17	114	182.1	-37	6.5	21.4	-70	442	921.7	-52	
MO-111	4/8/2016	14	97	182.1	-47	5.2	21.4	-76	431	921.7	-53	
MO-111	4/25/2016	17	91	182.1	-50	5.9	21.4	-72	509	921.7	-45	
MO-111	5/5/2016	10	104	182.1	-43	5.0	21.4	-77	427	921.7	-54	
MO-111	5/21/2016	17	104	182.1	-43	5.0	21.4	-77	424	921.7	-54	
MO-111	6/6/2016	16	107	182.1	-41	5.0	21.4	-77	418	921.7	-55	
MO-111	6/17/2016	11	99	182.1	-46	5.3	21.4	-75	434	921.7	-53	
MO-111	7/8/2016	21	101	182.1	-45	6.0	21.4	-72	427	921.7	-54	
MO-111	7/22/2016	14	99	182.1	-46	6.1	21.4	-71	431	921.7	-53	
MO-111	8/5/2016	14	99	182.1	-46	6.0	21.4	-72	432	921.7	-53	
MO-111	8/19/2016	14	98	182.1	-46	6.1	21.4	-72	429	921.7	-53	
MO-111	9/3/2016	15	100	182.1	-45	5.4	21.4	-75	431	921.7	-53	
MO-112	9/25/2015	---	96	182.1	-47	6.7	21.4	-69	396	921.7	-57	
MO-112	10/8/2015	13	95	182.1	-48	5.7	21.4	-73	396	921.7	-57	
MO-112	10/23/2015	15	94	182.1	-48	6.2	21.4	-71	401	921.7	-56	
MO-112	11/6/2015	14	96	182.1	-47	5.2	21.4	-75	397	921.7	-57	
MO-112	11/19/2015	13	91	182.1	-50	5.1	21.4	-76	398	921.7	-57	
MO-112	12/4/2015	15	92	182.1	-49	6.4	21.4	-70	397	921.7	-57	
MO-112	12/22/2015	18	94	182.1	-48	6.0	21.4	-72	403	921.7	-56	
MO-112	1/7/2016	16	92	182.1	-50	5.6	21.4	-74	406	921.7	-56	
MO-112	1/22/2016	15	95	182.1	-48	6.2	21.4	-71	406	921.7	-56	
MO-112	2/10/2016	19	93	182.1	-49	6.7	21.4	-69	410	921.7	-56	
MO-112	2/22/2016	12	96	182.1	-47	6.0	21.4	-72	414	921.7	-55	
MO-112	3/8/2016	15	99	182.1	-46	6.3	21.4	-71	413	921.7	-55	
MO-112	3/25/2016	17	98	182.1	-46	6.5	21.4	-69	421	921.7	-54	
MO-112	4/8/2016	14	97	182.1	-47	8.0	21.4	-63	418	921.7	-55	
MO-112	4/25/2016	17	101	182.1	-45	5.9	21.4	-72	421	921.7	-54	
MO-112	5/5/2016	10	109	182.1	-40	6.0	21.4	-72	410	921.7	-56	
MO-112	5/21/2016	17	107	182.1	-41	6.0	21.4	-72	411	921.7	-55	
MO-112	6/6/2016	16	111	182.1	-39	6.0	21.4	-72	410	921.7	-56	
MO-112	6/17/2016	11	108	182.1	-41	6.1	21.4	-72	424	921.7	-54	
MO-112	7/8/2016	21	108	182.1	-41	6.0	21.4	-72	418	921.7	-55	
MO-112	7/22/2016	14	109	182.1	-40	6.1	21.4	-71	419	921.7	-55	
MO-112	8/5/2016	14	109	182.1	-40	6.0	21.4	-72	424	921.7	-54	
MO-112	8/19/2016	14	109	182.1	-40	6.0	21.4	-72	421	921.7	-54	
MO-112	9/3/2016	15	110	182.1	-40	6.1	21.4	-72	425	921.7	-54	
MO-113	9/25/2015	---	126	182.1	-31	5.9	21.4	-72	439	921.7	-52	
MO-113	10/8/2015	13	98	182.1	-46	5.5	21.4	-74	442	921.7	-52	
MO-113	10/23/2015	15	102	182.1	-44	5.7	21.4	-73	440	921.7	-52	
MO-113	11/6/2015	14	99	182.1	-45	5.8	21.4	-73	443	921.7	-52	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
MO-113	11/19/2015	13	99	182.1	-45	5.4	21.4	-75	447	921.7	-52	
MO-113	12/4/2015	15	103	182.1	-43	5.6	21.4	-74	447	921.7	-52	
MO-113	12/22/2015	18	102	182.1	-44	5.2	21.4	-76	449	921.7	-51	
MO-113	1/7/2016	16	103	182.1	-44	5.2	21.4	-76	453	921.7	-51	
MO-113	1/22/2016	15	105	182.1	-42	5.3	21.4	-75	456	921.7	-51	
MO-113	2/10/2016	19	100	182.1	-45	9.5	21.4	-55	452	921.7	-51	
MO-113	2/22/2016	12	100	182.1	-45	5.3	21.4	-75	436	921.7	-53	
MO-113	3/8/2016	15	110	182.1	-39	5.4	21.4	-75	444	921.7	-52	
MO-113	3/25/2016	17	103	182.1	-44	5.6	21.4	-74	440	921.7	-52	
MO-113	4/8/2016	14	98	182.1	-46	5.8	21.4	-73	437	921.7	-53	
MO-113	4/25/2016	17	98	182.1	-46	5.8	21.4	-73	446	921.7	-52	
MO-113	5/6/2016	11	107	182.1	-41	5.0	21.4	-77	443	921.7	-52	
MO-113	5/21/2016	16	109	182.1	-40	5.0	21.4	-77	444	921.7	-52	
MO-113	6/6/2016	16	111	182.1	-39	5.0	21.4	-77	252	921.7	-73	
MO-113	6/17/2016	11	105	182.1	-42	5.5	21.4	-74	434	921.7	-53	
MO-113	7/8/2016	21	102	182.1	-44	5.6	21.4	-74	446	921.7	-52	
MO-113	7/22/2016	14	100	182.1	-45	6.0	21.4	-72	448	921.7	-51	
MO-113	8/5/2016	14	107	182.1	-41	4.9	21.4	-77	453	921.7	-51	
MO-113	8/19/2016	14	101	182.1	-45	5.1	21.4	-76	448	921.7	-51	
MO-113	9/3/2016	15	102	182.1	-44	5.2	21.4	-76	452	921.7	-51	
MU-101	9/24/2015	---	116	206.0	-44	5.0	21.3	-76	531	658.9	-19	
MU-101	10/7/2015	13	113	206.0	-45	6.2	21.3	-71	535	658.9	-19	
MU-101	10/22/2015	15	111	206.0	-46	5.9	21.3	-72	532	658.9	-19	
MU-101	11/5/2015	14	109	206.0	-47	5.8	21.3	-73	536	658.9	-19	
MU-101	11/18/2015	13	110	206.0	-47	4.8	21.3	-77	542	658.9	-18	
MU-101	12/2/2015	14	113	206.0	-45	5.3	21.3	-75	544	658.9	-17	
MU-101	12/21/2015	19	110	206.0	-47	5.3	21.3	-75	545	658.9	-17	
MU-101	1/6/2016	16	110	206.0	-46	6.0	21.3	-72	541	658.9	-18	
MU-101	1/20/2016	14	107	206.0	-48	4.9	21.3	-77	548	658.9	-17	
MU-101	2/9/2016	20	110	206.0	-47	5.2	21.3	-76	539	658.9	-18	
MU-101	2/19/2016	10	111	206.0	-46	4.9	21.3	-77	537	658.9	-19	
MU-101	3/7/2016	17	114	206.0	-45	4.7	21.3	-78	544	658.9	-17	
MU-101	3/24/2016	17	106	206.0	-48	5.1	21.3	-76	539	658.9	-18	
MU-101	4/8/2016	15	109	206.0	-47	5.5	21.3	-74	536	658.9	-19	
MU-101	4/23/2016	15	108	206.0	-47	6.2	21.3	-71	526	658.9	-20	
MU-101	5/4/2016	11	115	206.0	-44	5.0	21.3	-76	534	658.9	-19	
MU-101	5/19/2016	16	116	206.0	-44	5.0	21.3	-76	533	658.9	-19	
MU-101	6/2/2016	14	123	206.0	-40	5.0	21.3	-76	532	658.9	-19	
MU-101	6/16/2016	13	111	206.0	-46	5.0	21.3	-76	530	658.9	-20	
MU-101	7/7/2016	21	117	206.0	-43	4.9	21.3	-77	547	658.9	-17	
MU-101	7/21/2016	14	130	206.0	-37	5.5	21.3	-74	547	658.9	-17	
MU-101	8/4/2016	14	114	206.0	-45	4.6	21.3	-78	532	658.9	-19	
MU-101	8/18/2016	14	114	206.0	-45	4.6	21.3	-78	543	658.9	-18	
MU-101	9/3/2016	16	111	206.0	-46	10.5	21.3	-50	542	658.9	-18	
MU-102	9/24/2015	---	104	206.0	-50	4.6	21.3	-78	419	658.9	-36	
MU-102	10/7/2015	13	101	206.0	-51	5.4	21.3	-75	430	658.9	-35	
MU-102	10/22/2015	15	102	206.0	-50	4.4	21.3	-79	420	658.9	-36	
MU-102	11/5/2015	14	101	206.0	-51	5.1	21.3	-76	423	658.9	-36	
MU-102	11/18/2015	13	101	206.0	-51	5.2	21.3	-75	429	658.9	-35	
MU-102	12/2/2015	14	102	206.0	-50	5.6	21.3	-74	429	658.9	-35	
MU-102	12/21/2015	19	106	206.0	-49	4.7	21.3	-78	430	658.9	-35	
MU-102	1/6/2016	16	105	206.0	-49	4.9	21.3	-77	429	658.9	-35	
MU-102	1/20/2016	14	102	206.0	-50	5.2	21.3	-76	433	658.9	-34	
MU-102	2/9/2016	20	104	206.0	-49	4.7	21.3	-78	424	658.9	-36	
MU-102	2/19/2016	10	103	206.0	-50	5.3	21.3	-75	425	658.9	-36	
MU-102	3/7/2016	17	103	206.0	-50	5.2	21.3	-75	430	658.9	-35	
MU-102	3/24/2016	17	100	206.0	-52	5.1	21.3	-76	426	658.9	-35	
MU-102	4/7/2016	14	105	206.0	-49	4.5	21.3	-79	422	658.9	-36	
MU-102	4/23/2016	16	100	206.0	-51	5.2	21.3	-76	420	658.9	-36	
MU-102	5/4/2016	11	109	206.0	-47	4.0	21.3	-81	420	658.9	-36	
MU-102	5/19/2016	16	111	206.0	-46	5.0	21.3	-76	426	658.9	-35	
MU-102	6/3/2016	15	113	206.0	-45	5.0	21.3	-76	330	658.9	-50	
MU-102	6/16/2016	13	120	206.0	-42	4.6	21.3	-78	420	658.9	-36	
MU-102	7/7/2016	21	105	206.0	-49	5.1	21.3	-76	431	658.9	-35	
MU-102	7/21/2016	14	102	206.0	-50	5.5	21.3	-74	428	658.9	-35	
MU-102	8/4/2016	14	102	206.0	-50	5.2	21.3	-76	422	658.9	-36	
MU-102	8/18/2016	14	104	206.0	-50	5.2	21.3	-76	428	658.9	-35	
MU-102	9/3/2016	16	100	206.0	-51	7.1	21.3	-67	417	658.9	-37	
MU-103	9/24/2015	---	102	206.0	-50	4.6	21.3	-78	409	658.9	-38	

Table 3.9-1: UCL Monitoring Results
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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
MU-103	10/7/2015	13	98	206.0	-52	5.1	21.3	-76	412	658.9	-37	
MU-103	10/22/2015	15	99	206.0	-52	5.2	21.3	-76	412	658.9	-37	
MU-103	11/5/2015	14	105	206.0	-49	4.5	21.3	-79	415	658.9	-37	
MU-103	11/18/2015	13	103	206.0	-50	5.4	21.3	-75	420	658.9	-36	
MU-103	12/3/2015	15	103	206.0	-50	5.2	21.3	-76	418	658.9	-37	
MU-103	12/21/2015	18	100	206.0	-51	5.1	21.3	-76	424	658.9	-36	
MU-103	1/6/2016	16	99	206.0	-52	4.6	21.3	-78	420	658.9	-36	
MU-103	1/20/2016	14	104	206.0	-50	5.2	21.3	-75	422	658.9	-36	
MU-103	2/9/2016	20	99	206.0	-52	5.4	21.3	-75	417	658.9	-37	
MU-103	2/19/2016	10	99	206.0	-52	5.7	21.3	-73	416	658.9	-37	
MU-103	3/7/2016	17	101	206.0	-51	5.4	21.3	-75	423	658.9	-36	
MU-103	3/24/2016	17	100	206.0	-52	5.8	21.3	-73	420	658.9	-36	
MU-103	4/7/2016	14	99	206.0	-52	4.7	21.3	-78	417	658.9	-37	
MU-103	4/23/2016	16	97	206.0	-53	5.2	21.3	-76	419	658.9	-36	
MU-103	5/4/2016	11	119	206.0	-42	4.0	21.3	-81	414	658.9	-37	
MU-103	5/19/2016	16	108	206.0	-48	5.0	21.3	-76	418	658.9	-37	
MU-103	6/3/2016	15	110	206.0	-47	5.0	21.3	-76	414	658.9	-37	
MU-103	6/16/2016	13	105	206.0	-49	5.2	21.3	-75	417	658.9	-37	
MU-103	7/7/2016	21	103	206.0	-50	5.9	21.3	-72	424	658.9	-36	
MU-103	7/21/2016	14	102	206.0	-50	4.8	21.3	-77	421	658.9	-36	
MU-103	8/4/2016	14	100	206.0	-51	5.2	21.3	-76	416	658.9	-37	
MU-103	8/18/2016	14	101	206.0	-51	4.7	21.3	-78	422	658.9	-36	
MU-103	9/3/2016	16	120	206.0	-42	5.4	21.3	-75	413	658.9	-37	
MU-104	9/24/2015	---	104	206.0	-50	5.7	21.3	-73	397	658.9	-40	
MU-104	10/7/2015	13	100	206.0	-51	5.3	21.3	-75	412	658.9	-37	
MU-104	10/22/2015	15	104	206.0	-50	5.7	21.3	-73	416	658.9	-37	
MU-104	11/5/2015	14	99	206.0	-52	4.7	21.3	-78	395	658.9	-40	
MU-104	11/18/2015	13	101	206.0	-51	4.8	21.3	-77	404	658.9	-39	
MU-104	12/3/2015	15	99	206.0	-52	5.2	21.3	-76	409	658.9	-38	
MU-104	12/21/2015	18	98	206.0	-53	5.3	21.3	-75	402	658.9	-39	
MU-104A	1/12/2016	22	475	206.0	[redacted]	0.0	21.3	-100	1005	658.9	[redacted]	Replacement well - Sample data rejected - contaminated with cement
MU-104A	1/18/2016	---	1269	206.0	[redacted]	0.0	21.3	-100	3760	658.9	[redacted]	
MU-104A	1/20/2016	---	266	206.0	[redacted]	0.0	21.3	-100	713	658.9	8	
MU-104A	1/28/2016	---	146	206.0	-29	4.8	21.3	-77	501	658.9	-24	Sampled following workover
MU-104B	2/12/2016	---	103	206.0	-50	5.2	21.3	-75	446	658.9	-32	Replacement well verification sample
MU-104B	2/16/2016	---	82	206.0	-60	5.0	21.3	-76	408	658.9	-38	Routine sample - 2nd half Feb.
MU-104B	3/7/2016	20	69	206.0	-67	4.7	21.3	-78	378	658.9	-43	
MU-104B	3/24/2016	17	74	206.0	-64	5.0	21.3	-77	386	658.9	-41	
MU-104B	4/7/2016	14	82	206.0	-60	5.3	21.3	-75	396	658.9	-40	
MU-104B	4/23/2016	16	82	206.0	-60	6.9	21.3	-67	395	658.9	-40	
MU-104B	5/4/2016	11	83	206.0	-60	4.0	21.3	-81	387	658.9	-41	
MU-104B	5/19/2016	16	116	206.0	-44	5.0	21.3	-76	392	658.9	-41	
MU-104B	6/3/2016	15	89	206.0	-57	5.0	21.3	-76	388	658.9	-41	
MU-104B	6/16/2016	13	88	206.0	-57	5.4	21.3	-74	411	658.9	-38	
MU-104B	7/7/2016	21	97	206.0	-53	5.2	21.3	-76	413	658.9	-37	
MU-104B	7/21/2016	14	85	206.0	-59	4.6	21.3	-78	403	658.9	-39	
MU-104B	8/4/2016	14	88	206.0	-57	4.9	21.3	-77	402	658.9	-39	
MU-104B	8/18/2016	14	96	206.0	-53	5.5	21.3	-74	428	658.9	-35	
MU-104B	9/3/2016	16	96	206.0	-53	5.0	21.3	-76	424	658.9	-36	
MU-105	9/24/2015	---	106	206.0	-49	5.7	21.3	-73	428	658.9	-35	
MU-105	10/8/2015	14	102	206.0	-50	4.9	21.3	-77	432	658.9	-34	
MU-105	10/22/2015	14	103	206.0	-50	4.8	21.3	-78	435	658.9	-34	
MU-105	11/5/2015	14	101	206.0	-51	5.4	21.3	-75	440	658.9	-33	
MU-105	11/18/2015	13	101	206.0	-51	4.5	21.3	-79	443	658.9	-33	
MU-105	12/3/2015	15	100	206.0	-51	4.7	21.3	-78	444	658.9	-33	
MU-105	12/22/2015	19	100	206.0	-52	5.0	21.3	-76	440	658.9	-33	
MU-105	1/6/2016	15	111	206.0	-46	2.5	21.3	-88	439	658.9	-33	
MU-105	1/21/2016	15	103	206.0	-50	5.1	21.3	-76	444	658.9	-33	
MU-105	2/9/2016	19	100	206.0	-52	5.2	21.3	-75	441	658.9	-33	
MU-105	2/19/2016	10	103	206.0	-50	4.6	21.3	-78	439	658.9	-33	
MU-105	3/7/2016	17	104	206.0	-50	4.7	21.3	-78	445	658.9	-32	
MU-105	3/25/2016	18	102	206.0	-51	4.9	21.3	-77	435	658.9	-34	
MU-105	4/7/2016	13	98	206.0	-52	5.2	21.3	-75	438	658.9	-34	
MU-105	4/23/2016	16	101	206.0	-51	5.6	21.3	-74	434	658.9	-34	
MU-105	5/5/2016	12	120	206.0	-42	4.0	21.3	-81	429	658.9	-35	
MU-105	5/20/2016	16	109	206.0	-47	5.0	21.3	-76	432	658.9	-34	
MU-105	6/3/2016	14	112	206.0	-46	5.0	21.3	-76	431	658.9	-35	
MU-105	6/16/2016	13	103	206.0	-50	4.9	21.3	-77	436	658.9	-34	

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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
MU-105	7/7/2016	21	108	206.0	-48	4.6	21.3	-78	442	658.9	-33	
MU-105	7/22/2016	15	106	206.0	-49	5.1	21.3	-76	442	658.9	-33	
MU-105	8/4/2016	13	107	206.0	-48	4.7	21.3	-78	442	658.9	-33	
MU-105	8/18/2016	14	108	206.0	-48	5.1	21.3	-76	443	658.9	-33	
MU-105	9/3/2016	16	101	206.0	-51	5.3	21.3	-75	439	658.9	-33	
MU-106	9/24/2015	---	102	206.0	-51	5.5	21.3	-74	448	658.9	-32	
MU-106	10/8/2015	14	103	206.0	-50	5.4	21.3	-75	451	658.9	-32	
MU-106	10/22/2015	14	101	206.0	-51	5.3	21.3	-75	450	658.9	-32	
MU-106	11/5/2015	14	100	206.0	-52	5.7	21.3	-73	453	658.9	-31	
MU-106	11/18/2015	13	100	206.0	-52	5.7	21.3	-73	462	658.9	-30	
MU-106	12/3/2015	15	100	206.0	-51	5.0	21.3	-77	461	658.9	-30	
MU-106	12/22/2015	19	101	206.0	-51	5.9	21.3	-72	462	658.9	-30	
MU-106	1/7/2016	16	101	206.0	-51	5.2	21.3	-76	461	658.9	-30	
MU-106	1/21/2016	14	99	206.0	-52	5.1	21.3	-76	463	658.9	-30	
MU-106	2/10/2016	20	102	206.0	-51	5.3	21.3	-75	457	658.9	-31	
MU-106	2/22/2016	12	104	206.0	-50	5.0	21.3	-76	458	658.9	-30	
MU-106	3/8/2016	15	105	206.0	-49	6.0	21.3	-72	462	658.9	-30	
MU-106	3/25/2016	17	100	206.0	-51	5.6	21.3	-74	455	658.9	-31	
MU-106	4/7/2016	13	100	206.0	-51	5.5	21.3	-74	456	658.9	-31	
MU-106	4/23/2016	16	98	206.0	-52	5.8	21.3	-73	448	658.9	-32	
MU-106	5/5/2016	12	108	206.0	-48	5.0	21.3	-76	450	658.9	-32	
MU-106	5/20/2016	16	108	206.0	-48	5.0	21.3	-76	447	658.9	-32	
MU-106	6/3/2016	14	110	206.0	-47	5.0	21.3	-76	454	658.9	-31	
MU-106	6/16/2016	13	103	206.0	-50	5.2	21.3	-76	453	658.9	-31	
MU-106	7/8/2016	22	102	206.0	-50	5.6	21.3	-74	460	658.9	-30	
MU-106	7/22/2016	14	101	206.0	-51	5.0	21.3	-77	459	658.9	-30	
MU-106	8/4/2016	13	101	206.0	-51	6.0	21.3	-72	457	658.9	-31	
MU-106	8/18/2016	14	102	206.0	-50	5.1	21.3	-76	462	658.9	-30	
MU-106	9/3/2016	16	100	206.0	-51	5.2	21.3	-76	454	658.9	-31	
MU-107	9/24/2015	---	106	206.0	-48	4.7	21.3	-78	461	658.9	-30	
MU-107	10/8/2015	14	102	206.0	-51	5.6	21.3	-74	463	658.9	-30	
MU-107	10/22/2015	14	100	206.0	-51	5.4	21.3	-75	463	658.9	-30	
MU-107	11/6/2015	15	99	206.0	-52	5.6	21.3	-74	464	658.9	-30	
MU-107	11/19/2015	13	103	206.0	-50	5.4	21.3	-75	469	658.9	-29	
MU-107	12/3/2015	14	104	206.0	-50	5.4	21.3	-75	469	658.9	-29	
MU-107	12/22/2015	19	105	206.0	-49	5.1	21.3	-76	472	658.9	-28	
MU-107	1/7/2016	16	100	206.0	-51	4.5	21.3	-79	467	658.9	-29	
MU-107	1/21/2016	14	101	206.0	-51	5.1	21.3	-76	471	658.9	-29	
MU-107	2/10/2016	20	103	206.0	-50	4.7	21.3	-78	465	658.9	-29	
MU-107	2/22/2016	12	100	206.0	-52	5.1	21.3	-76	463	658.9	-30	
MU-107	3/8/2016	15	101	206.0	-51	5.4	21.3	-74	471	658.9	-29	
MU-107	3/25/2016	17	98	206.0	-53	4.8	21.3	-78	464	658.9	-30	
MU-107	4/8/2016	14	104	206.0	-50	5.1	21.3	-76	466	658.9	-29	
MU-107	4/23/2016	15	99	206.0	-52	5.1	21.3	-76	458	658.9	-30	
MU-107	5/5/2016	12	108	206.0	-48	5.0	21.3	-76	456	658.9	-31	
MU-107	5/21/2016	16	108	206.0	-48	5.0	21.3	-76	460	658.9	-30	
MU-107	6/3/2016	13	112	206.0	-46	5.0	21.3	-76	457	658.9	-31	
MU-107	6/16/2016	13	106	206.0	-49	5.1	21.3	-76	461	658.9	-30	
MU-107	7/8/2016	22	124	206.0	-40	5.7	21.3	-73	470	658.9	-29	
MU-107	7/22/2016	14	101	206.0	-51	5.3	21.3	-75	468	658.9	-29	
MU-107	8/4/2016	13	100	206.0	-51	5.4	21.3	-75	462	658.9	-30	
MU-107	8/18/2016	14	101	206.0	-51	5.1	21.3	-76	464	658.9	-30	
MU-107	9/3/2016	16	103	206.0	-50	4.8	21.3	-78	460	658.9	-30	
KPW-2	9/24/2015	---	108	206.0	-48	5.1	21.3	-76	473	658.9	-28	
KPW-2	10/8/2015	14	100	206.0	-52	5.9	21.3	-72	477	658.9	-28	
KPW-2	10/22/2015	14	106	206.0	-49	5.3	21.3	-75	474	658.9	-28	
KPW-2	11/6/2015	15	104	206.0	-50	5.3	21.3	-75	472	658.9	-28	
KPW-2	11/19/2015	13	103	206.0	-50	5.4	21.3	-75	479	658.9	-27	
KPW-2	12/3/2015	14	101	206.0	-51	5.5	21.3	-74	480	658.9	-27	
KPW-2	12/22/2015	19	102	206.0	-51	5.2	21.3	-75	482	658.9	-27	
KPW-2	1/7/2016	16	102	206.0	-51	5.7	21.3	-73	481	658.9	-27	
KPW-2	1/21/2016	14	104	206.0	-50	6.2	21.3	-71	484	658.9	-27	
KPW-2	2/10/2016	20	97	206.0	-53	5.9	21.3	-72	475	658.9	-28	
KPW-2	2/22/2016	12	37	206.0	-82	0.0	21.3	-100	449	658.9	-32	
KPW-2	3/8/2016	15	101	206.0	-51	5.5	21.3	-74	486	658.9	-26	
KPW-2	3/25/2016	17	98	206.0	-53	6.5	21.3	-70	478	658.9	-27	
KPW-2	4/8/2016	14	98	206.0	-52	7.3	21.3	-66	482	658.9	-27	
KPW-2	4/23/2016	15	106	206.0	-49	7.6	21.3	-64	489	658.9	-26	
KPW-2	5/5/2016	12	109	206.0	-47	6.0	21.3	-72	459	658.9	-30	

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WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	UCL*	% Diff	Assay	UCL*	% Diff	Assay	UCL*	% Diff	
KPW-2	5/21/2016	16	111	206.0	-46	7.0	21.3	-67	480	658.9	-27	
KPW-2	6/3/2016	13	119	206.0	-42	7.0	21.3	-67	495	658.9	-25	
KPW-2	6/16/2016	12	103	206.0	-50	7.2	21.3	-66	485	658.9	-26	
KPW-2	7/8/2016	22	105	206.0	-49	6.0	21.3	-72	494	658.9	-25	
KPW-2	7/22/2016	14	104	206.0	-50	6.5	21.3	-70	494	658.9	-25	
KPW-2	8/4/2016	13	131	206.0	-36	6.8	21.3	-68	514	658.9	-22	
KPW-2	8/18/2016	14	128	206.0	-38	6.7	21.3	-69	496	658.9	-25	
KPW-2	9/3/2016	16	105	206.0	-49	6.1	21.3	-71	484	658.9	-27	
MU-109	9/22/2015	---	135	206.0	-34	19.6	21.3	-8	581	658.9	-12	
MU-109	10/14/2015	22	127	206.0	-38	14.6	21.3	-31	570	658.9	-13	
MU-109	10/26/2015	12	119	206.0	-42	12.7	21.3	-40	541	658.9	-18	
MU-109	11/6/2015	11	119	206.0	-42	11.9	21.3	-44	538	658.9	-18	
MU-109	11/19/2015	13	116	206.0	-44	10.9	21.3	-49	539	658.9	-18	
MU-109	12/3/2015	14	112	206.0	-46	10.7	21.3	-50	529	658.9	-20	
MU-109	12/22/2015	19	113	206.0	-45	11.8	21.3	-45	532	658.9	-19	
MU-109	1/7/2016	16	116	206.0	-44	12.2	21.3	-42	524	658.9	-20	
MU-109	1/21/2016	14	113	206.0	-45	10.8	21.3	-49	529	658.9	-20	
MU-109	2/10/2016	20	109	206.0	-47	10.8	21.3	-49	512	658.9	-22	
MU-109	2/22/2016	12	105	206.0	-49	6.1	21.3	-71	484	658.9	-27	
MU-109	3/8/2016	15	121	206.0	-41	11.3	21.3	-47	542	658.9	-18	
MU-109	3/25/2016	17	121	206.0	-41	12.3	21.3	-42	536	658.9	-19	
MU-109	4/8/2016	14	126	206.0	-39	10.6	21.3	-50	523	658.9	-21	
MU-109	4/23/2016	15	111	206.0	-46	10.8	21.3	-49	516	658.9	-22	
MU-109	5/5/2016	12	121	206.0	-41	9.0	21.3	-58	512	658.9	-22	
MU-109	5/21/2016	16	121	206.0	-41	9.0	21.3	-58	250	658.9	-62	
MU-109	6/3/2016	13	123	206.0	-40	9.0	21.3	-58	495	658.9	-25	
MU-109	6/16/2016	12	113	206.0	-45	9.8	21.3	-54	504	658.9	-24	
MU-109	7/8/2016	22	115	206.0	-44	9.3	21.3	-56	517	658.9	-22	
MU-109	7/22/2016	14	113	206.0	-45	8.6	21.3	-59	505	658.9	-23	
MU-109	8/4/2016	13	110	206.0	-47	8.7	21.3	-59	498	658.9	-24	
MU-109	8/19/2016	15	113	206.0	-45	8.7	21.3	-59	508	658.9	-23	
MU-109	9/3/2016	15	112	206.0	-46	10.4	21.3	-51	514	658.9	-22	
MU-110	9/25/2015	---	86	206.0	-58	8.8	21.3	-59	448	658.9	-32	
MU-110	10/8/2015	13	87	206.0	-58	7.9	21.3	-63	449	658.9	-32	
MU-110	10/23/2015	15	86	206.0	-58	7.8	21.3	-63	446	658.9	-32	
MU-110	11/6/2015	14	88	206.0	-57	8.0	21.3	-63	453	658.9	-31	
MU-110	11/19/2015	13	89	206.0	-57	7.7	21.3	-64	459	658.9	-30	
MU-110	12/3/2015	14	88	206.0	-57	7.3	21.3	-66	460	658.9	-30	
MU-110	12/22/2015	19	88	206.0	-57	8.2	21.3	-61	455	658.9	-31	
MU-110	1/7/2016	16	90	206.0	-56	6.8	21.3	-68	463	658.9	-30	
MU-110	1/21/2016	14	89	206.0	-57	6.5	21.3	-69	467	658.9	-29	
MU-110	2/10/2016	20	95	206.0	-54	7.2	21.3	-66	459	658.9	-30	
MU-110	2/22/2016	12	112	206.0	-46	11.0	21.3	-48	527	658.9	-20	
MU-110	3/8/2016	15	90	206.0	-56	7.7	21.3	-64	468	658.9	-29	
MU-110	3/25/2016	17	88	206.0	-57	6.8	21.3	-68	462	658.9	-30	
MU-110	4/8/2016	14	90	206.0	-56	6.5	21.3	-69	457	658.9	-31	
MU-110	4/25/2016	17	86	206.0	-58	7.0	21.3	-67	456	658.9	-31	
MU-110	5/5/2016	10	96	206.0	-53	6.0	21.3	-72	452	658.9	-31	
MU-110	5/21/2016	16	99	206.0	-52	6.0	21.3	-72	453	658.9	-31	
MU-110	6/3/2016	13	100	206.0	-51	7.0	21.3	-67	224	658.9	-66	
MU-110	6/16/2016	12	94	206.0	-54	6.2	21.3	-71	458	658.9	-30	
MU-110	7/8/2016	22	95	206.0	-54	7.8	21.3	-63	466	658.9	-29	
MU-110	7/22/2016	14	91	206.0	-56	6.5	21.3	-70	465	658.9	-29	
MU-110	8/4/2016	13	93	206.0	-55	6.8	21.3	-68	457	658.9	-31	
MU-110	8/19/2016	15	94	206.0	-54	6.1	21.3	-71	463	658.9	-30	
MU-110	9/3/2016	15	91	206.0	-56	6.3	21.3	-70	453	658.9	-31	
MU-111	9/25/2015	---	92	206.0	-56	7.8	21.3	-63	492	658.9	-25	
MU-111	10/8/2015	13	94	206.0	-55	5.5	21.3	-74	494	658.9	-25	
MU-111	10/23/2015	15	93	206.0	-55	6.2	21.3	-71	494	658.9	-25	
MU-111	11/6/2015	14	92	206.0	-55	6.8	21.3	-68	502	658.9	-24	
MU-111	11/19/2015	13	92	206.0	-55	7.9	21.3	-63	507	658.9	-23	
MU-111	12/3/2015	14	93	206.0	-55	7.0	21.3	-67	503	658.9	-24	
MU-111	12/22/2015	19	105	206.0	-49	6.6	21.3	-69	503	658.9	-24	
MU-111	1/7/2016	16	92	206.0	-55	5.5	21.3	-74	510	658.9	-23	
MU-111	1/21/2016	14	107	206.0	-48	5.7	21.3	-73	510	658.9	-23	
MU-111	2/10/2016	20	90	206.0	-57	6.3	21.3	-70	507	658.9	-23	
MU-111	2/22/2016	12	91	206.0	-56	6.2	21.3	-71	465	658.9	-29	
MU-111	3/8/2016	15	95	206.0	-54	6.2	21.3	-71	516	658.9	-22	
MU-111	3/25/2016	17	91	206.0	-56	5.4	21.3	-75	509	658.9	-23	

Table 3.9-1: UCL Monitoring Results
2016 Annual Report
Lost Creek Project PT788

WELL NAME	SAMPLE COLLECTION DATE	DAYS APART	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)			Comments
			Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	Assay	*UCL**	% Diff	
MU-111	4/8/2016	14	94	206.0	-54	5.9	21.3	-72	504	658.9	-24	
MU-111	4/25/2016	17	95	206.0	-54	5.3	21.3	-75	427	658.9	-35	
MU-111	5/5/2016	10	101	206.0	-51	5.0	21.3	-76	496	658.9	-25	
MU-111	5/21/2016	17	101	206.0	-51	5.0	21.3	-76	248	658.9	-62	
MU-111	6/6/2016	16	103	206.0	-50	5.0	21.3	-76	489	658.9	-26	
MU-111	6/17/2016	11	99	206.0	-52	5.5	21.3	-74	502	658.9	-24	
MU-111	7/8/2016	21	98	206.0	-52	6.3	21.3	-70	507	658.9	-23	
MU-111	7/22/2016	14	95	206.0	-54	5.6	21.3	-74	509	658.9	-23	
MU-111	8/5/2016	14	97	206.0	-53	5.3	21.3	-75	504	658.9	-24	
MU-111	8/19/2016	14	98	206.0	-52	5.5	21.3	-74	507	658.9	-23	
MU-111	9/3/2016	15	97	206.0	-53	4.9	21.3	-77	499	658.9	-24	
MU-112	9/25/2015	---	95	206.0	-54	5.5	21.3	-74	430	658.9	-35	
MU-112	10/8/2015	13	95	206.0	-54	5.1	21.3	-76	433	658.9	-34	
MU-112	10/23/2015	15	94	206.0	-54	5.2	21.3	-76	435	658.9	-34	
MU-112	11/6/2015	14	95	206.0	-54	5.0	21.3	-77	436	658.9	-34	
MU-112	11/19/2015	13	98	206.0	-52	5.3	21.3	-75	440	658.9	-33	
MU-112	12/4/2015	15	96	206.0	-53	4.8	21.3	-78	440	658.9	-33	
MU-112	12/22/2015	18	95	206.0	-54	4.7	21.3	-78	439	658.9	-33	
MU-112	1/7/2016	16	94	206.0	-54	5.0	21.3	-77	446	658.9	-32	
MU-112	1/22/2016	15	96	206.0	-54	5.5	21.3	-74	445	658.9	-32	
MU-112	2/10/2016	19	94	206.0	-54	5.3	21.3	-75	449	658.9	-32	
MU-112	2/22/2016	12	95	206.0	-54	5.6	21.3	-74	513	658.9	-22	
MU-112	3/8/2016	15	94	206.0	-54	5.3	21.3	-75	447	658.9	-32	
MU-112	3/25/2016	17	92	206.0	-55	5.6	21.3	-74	441	658.9	-33	
MU-112	4/8/2016	14	95	206.0	-54	5.9	21.3	-72	443	658.9	-33	
MU-112	4/25/2016	17	107	206.0	-48	6.0	21.3	-72	438	658.9	-34	
MU-112	5/5/2016	10	101	206.0	-51	5.0	21.3	-76	436	658.9	-34	
MU-112	5/21/2016	17	102	206.0	-50	5.0	21.3	-76	437	658.9	-34	
MU-112	6/6/2016	16	104	206.0	-50	5.0	21.3	-76	436	658.9	-34	
MU-112	6/17/2016	11	97	206.0	-53	5.5	21.3	-74	447	658.9	-32	
MU-112	7/8/2016	21	98	206.0	-52	5.0	21.3	-76	444	658.9	-33	
MU-112	7/22/2016	14	97	206.0	-53	5.4	21.3	-74	449	658.9	-32	
MU-112	8/5/2016	14	98	206.0	-52	5.2	21.3	-76	449	658.9	-32	
MU-112	8/19/2016	14	97	206.0	-53	5.9	21.3	-72	448	658.9	-32	
MU-112	9/3/2016	15	98	206.0	-53	5.3	21.3	-75	440	658.9	-33	
MU-113	9/25/2015	---	88	206.0	-57	5.3	21.3	-75	458	658.9	-30	
MU-113	10/8/2015	13	91	206.0	-56	5.3	21.3	-75	463	658.9	-30	
MU-113	10/23/2015	15	89	206.0	-57	5.0	21.3	-76	463	658.9	-30	
MU-113	11/6/2015	14	92	206.0	-56	4.8	21.3	-77	468	658.9	-29	
MU-113	11/19/2015	13	91	206.0	-56	4.5	21.3	-79	474	658.9	-28	
MU-113	12/4/2015	15	90	206.0	-56	4.7	21.3	-78	474	658.9	-28	
MU-113	12/22/2015	18	90	206.0	-56	5.5	21.3	-74	475	658.9	-28	
MU-113	1/7/2016	16	94	206.0	-55	5.8	21.3	-73	477	658.9	-28	
MU-113	1/22/2016	15	92	206.0	-55	5.3	21.3	-75	477	658.9	-28	
MU-113	2/10/2016	19	93	206.0	-55	5.3	21.3	-75	474	658.9	-28	
MU-113	2/22/2016	12	97	206.0	-53	5.6	21.3	-73	443	658.9	-33	
MU-113	3/8/2016	15	94	206.0	-54	5.6	21.3	-73	480	658.9	-27	
MU-113	3/25/2016	17	90	206.0	-56	5.5	21.3	-74	474	658.9	-28	
MU-113	4/8/2016	14	90	206.0	-56	5.3	21.3	-75	478	658.9	-27	
MU-113	4/25/2016	17	92	206.0	-55	5.7	21.3	-73	473	658.9	-28	
MU-113	5/6/2016	11	99	206.0	-52	5.0	21.3	-76	470	658.9	-29	
MU-113	5/21/2016	16	99	206.0	-52	5.0	21.3	-76	466	658.9	-29	
MU-113	6/6/2016	16	100	206.0	-51	5.0	21.3	-76	458	658.9	-30	
MU-113	6/17/2016	11	94	206.0	-54	5.0	21.3	-77	477	658.9	-28	
MU-113	7/8/2016	21	94	206.0	-54	4.8	21.3	-77	478	658.9	-27	
MU-113	7/22/2016	14	93	206.0	-55	5.0	21.3	-76	480	658.9	-27	
MU-113	8/5/2016	14	94	206.0	-54	5.0	21.3	-76	482	658.9	-27	
MU-113	8/19/2016	14	94	206.0	-54	4.9	21.3	-77	480	658.9	-27	
MU-113	9/3/2016	15	93	206.0	-55	5.7	21.3	-73	478	658.9	-27	

UCL : Upper Control Limit

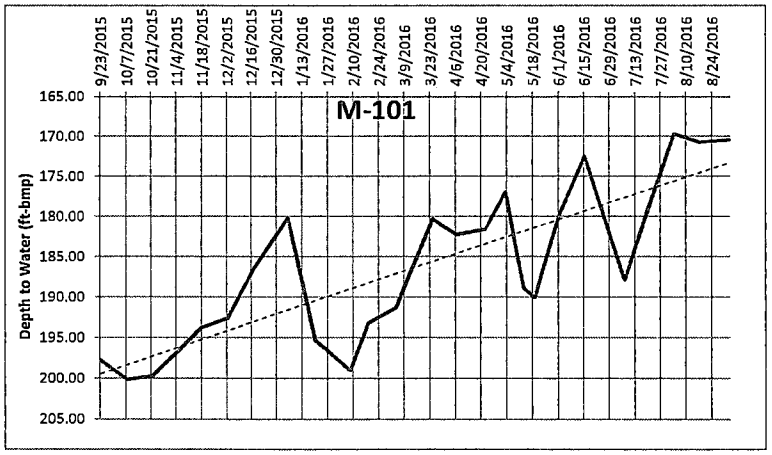
* : UCL determined by well group (see Permit to Mine, Mine Unit 1 Report, Table MU1 4-12)

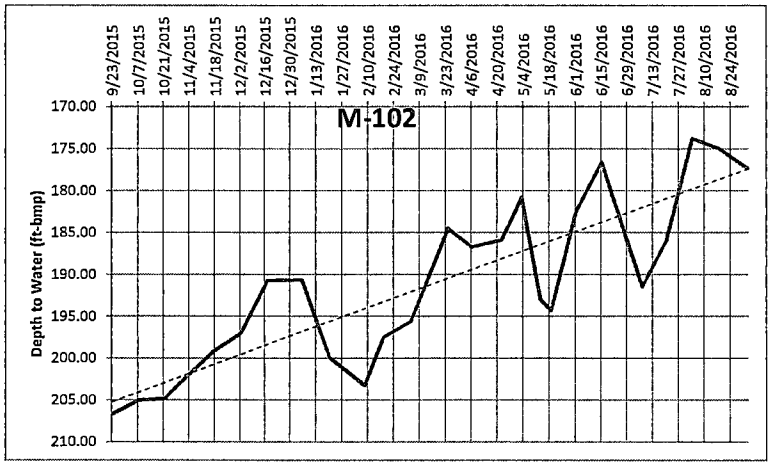
Italics : Indicates warning when result is > UCL but < 120% of UCL

Bold Italics : Indicates value > 120% of UCL

Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-101	9/23/2015	197.77	
M-101	10/7/2015	200.13	
M-101	10/21/2015	199.72	
M-101	11/4/2015	196.74	
M-101	11/17/2015	193.76	
M-101	12/2/2015	192.53	
M-101	12/17/2015	186.47	
M-101	1/5/2016	180.18	
M-101	1/20/2016	195.29	
M-101	2/8/2016	199.01	
M-101	2/18/2016	193.16	
M-101	3/4/2016	191.29	
M-101	3/24/2016	180.30	
M-101	4/6/2016	182.23	
M-101	4/22/2016	181.55	
M-101	5/3/2016	176.99	
M-101	5/13/2016	188.89	
M-101	5/19/2016	190.03	
M-101	6/1/2016	179.83	
M-101	6/15/2016	172.47	
M-101	7/7/2016	187.90	
M-101	7/19/2016	179.50	
M-101	8/3/2016	169.67	
M-101	8/17/2016	170.71	
M-101	9/2/2016	170.50	
M-102	9/23/2015	206.66	
M-102	10/7/2015	205.00	
M-102	10/21/2015	204.82	
M-102	11/4/2015	201.86	
M-102	11/17/2015	199.16	
M-102	12/2/2015	197.00	
M-102	12/17/2015	190.70	
M-102	1/5/2016	190.63	
M-102	1/20/2016	199.93	
M-102	2/8/2016	203.20	
M-102	2/18/2016	197.51	
M-102	3/4/2016	195.63	
M-102	3/24/2016	184.45	
M-102	4/6/2016	186.68	
M-102	4/22/2016	185.86	
M-102	5/3/2016	180.77	
M-102	5/13/2016	193.00	
M-102	5/19/2016	194.26	
M-102	6/1/2016	182.48	
M-102	6/15/2016	176.58	
M-102	7/7/2016	191.43	
M-102	7/20/2016	185.93	
M-102	8/3/2016	173.78	
M-102	8/17/2016	174.90	
M-102	9/2/2016	177.32	
M-103A	9/23/2015	198.17	
M-103A	10/7/2015	200.78	
M-103A	10/21/2015	200.89	
M-103A	11/4/2015	197.62	
M-103A	11/17/2015	194.02	
M-103A	12/2/2015	191.82	
M-103A	12/17/2015	180.00	
M-103A	1/5/2016	185.88	
M-103A	1/20/2016	195.27	
M-103A	2/8/2016	198.67	
M-103A	2/18/2016	192.17	
M-103A	3/4/2016	190.40	
M-103A	3/24/2016	178.37	
M-103A	4/7/2016	180.61	
M-103A	4/22/2016	180.27	
M-103A	5/3/2016	175.40	
M-103A	5/13/2016	187.60	
M-103A	5/19/2016	189.40	
M-103A	6/1/2016	178.66	
M-103A	6/15/2016	170.56	
M-103A	7/7/2016	186.47	
M-103A	7/20/2016	179.59	
M-103A	8/3/2016	166.30	
M-103A	8/17/2016	169.37	
M-103A	9/1/2016	171.23	





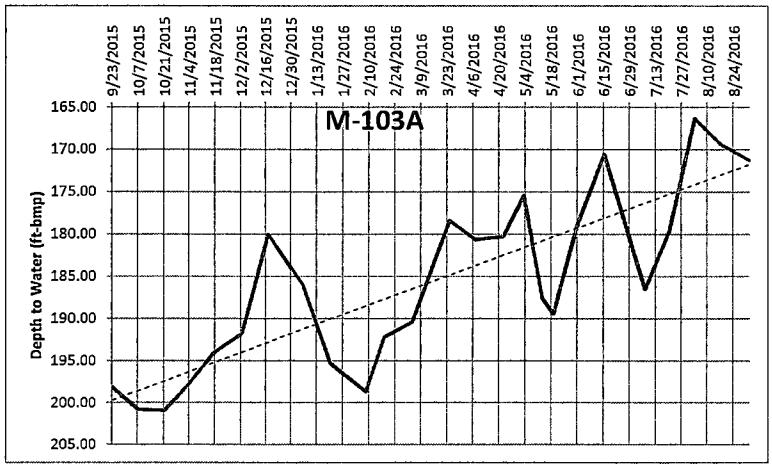


Table 3.9-2: Groundwater Level Measurements
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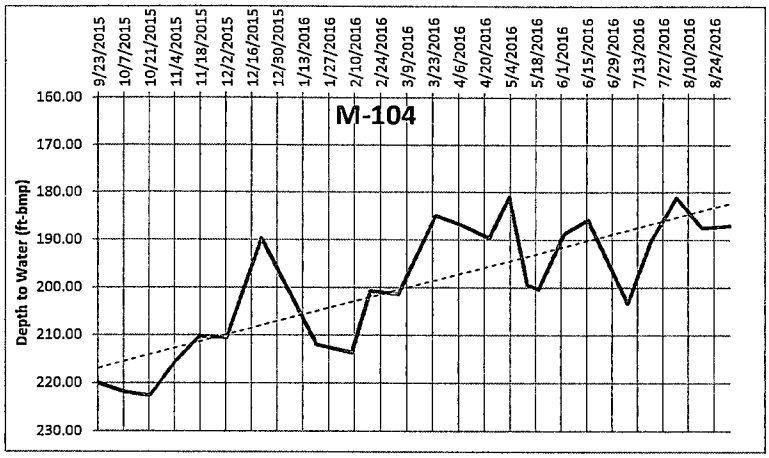
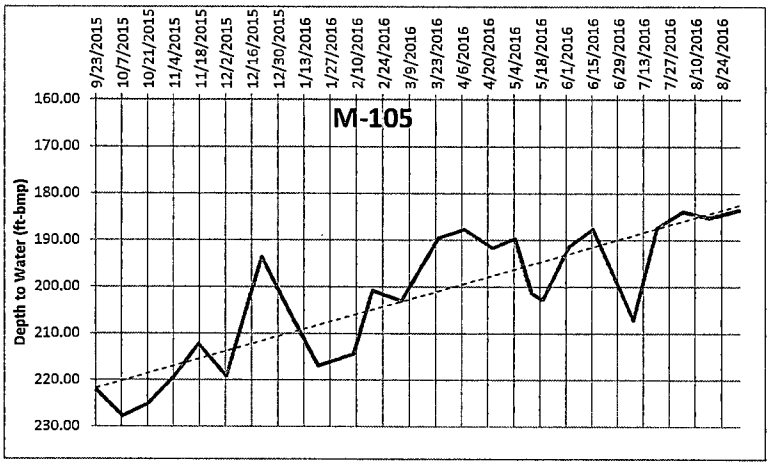
Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-104	9/23/2015	219.98	
M-104	10/7/2015	221.84	
M-104	10/21/2015	222.62	
M-104	11/4/2015	215.63	
M-104	11/17/2015	210.22	
M-104	12/2/2015	210.55	
M-104	12/21/2015	189.73	
M-104	1/5/2016	200.89	
M-104	1/20/2016	211.97	
M-104	2/8/2016	213.60	
M-104	2/18/2016	200.83	
M-104	3/4/2016	201.37	
M-104	3/24/2016	184.92	
M-104	4/7/2016	186.93	
M-104	4/22/2016	189.60	
M-104	5/3/2016	180.93	
M-104	5/13/2016	199.44	
M-104	5/19/2016	200.44	
M-104	6/2/2016	188.80	
M-104	6/15/2016	185.78	
M-104	7/7/2016	203.33	
M-104	7/20/2016	190.27	
M-104	8/3/2016	181.17	
M-104	8/17/2016	187.50	
M-104	9/1/2016	187.00	
M-105	9/23/2015	222.12	
M-105	10/7/2015	227.74	
M-105	10/21/2015	225.10	
M-105	11/4/2015	219.13	
M-105	11/17/2015	212.28	
M-105	12/2/2015	219.13	
M-105	12/21/2015	193.70	
M-105	1/5/2016	205.52	
M-105	1/20/2016	216.93	
M-105	2/8/2016	214.41	
M-105	2/18/2016	200.80	
M-105	3/4/2016	203.01	
M-105	3/24/2016	189.55	
M-105	4/7/2016	187.66	
M-105	4/22/2016	191.66	
M-105	5/4/2016	189.63	
M-105	5/13/2016	201.30	
M-105	5/19/2016	202.77	
M-105	6/2/2016	191.38	
M-105	6/15/2016	187.58	
M-105	7/7/2016	207.12	
M-105	7/20/2016	187.33	
M-105	8/3/2016	183.87	
M-105	8/17/2016	185.13	
M-105	9/2/2016	183.53	
M-106	9/23/2015	219.78	
M-106	10/7/2015	226.26	
M-106	10/21/2015	218.51	
M-106	11/4/2015	215.82	
M-106	11/17/2015	209.80	
M-106	12/2/2015	210.22	
M-106	12/21/2015	190.65	
M-106	1/5/2016	202.49	
M-106	1/20/2016	213.70	
M-106	2/8/2016	208.96	
M-106	2/18/2016	194.59	
M-106	3/4/2016	191.97	
M-106	3/24/2016	188.72	
M-106	4/7/2016	184.13	
M-106	4/22/2016	188.55	
M-106	5/4/2016	184.90	
M-106	5/13/2016	197.28	
M-106	5/19/2016	199.04	
M-106	6/2/2016	189.33	
M-106	6/15/2016	183.39	
M-106	7/7/2016	202.96	
M-106	7/20/2016	178.90	
M-106	8/3/2016	181.21	
M-106	8/17/2016	176.45	
M-106	9/2/2016	175.17	





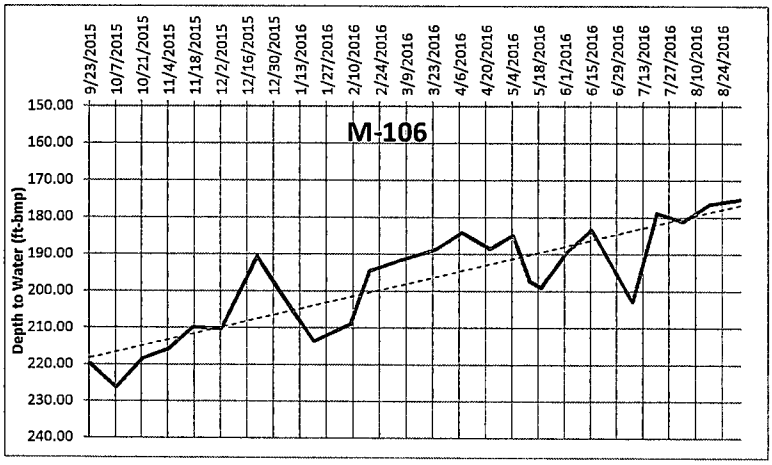
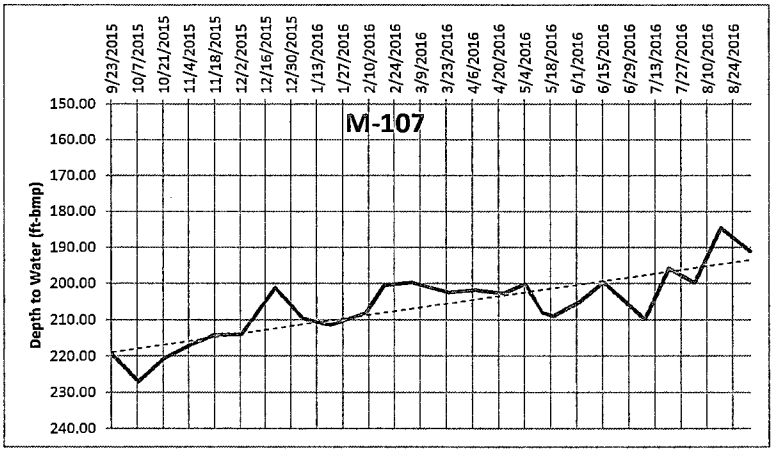
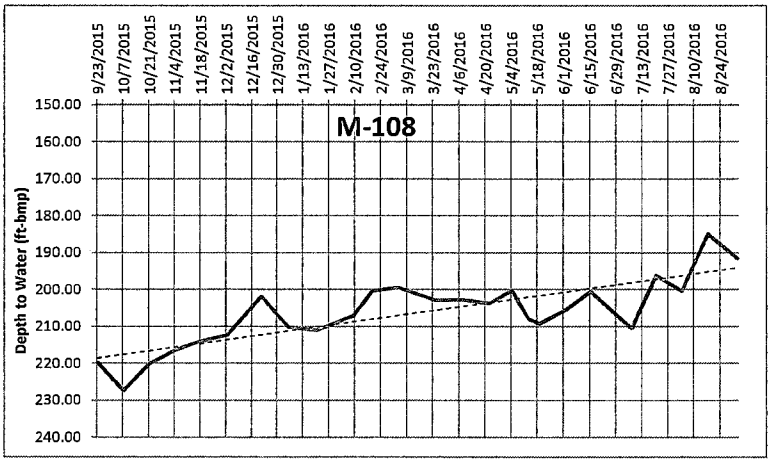


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-107	9/23/2015	219.50	
M-107	10/7/2015	226.99	
M-107	10/21/2015	220.58	
M-107	11/4/2015	216.97	
M-107	11/17/2015	214.17	
M-107	12/2/2015	214.03	
M-107	12/21/2015	201.18	
M-107	1/5/2016	209.55	
M-107	1/20/2016	211.46	
M-107	2/8/2016	207.97	
M-107	2/18/2016	200.52	
M-107	3/4/2016	199.68	
M-107	3/24/2016	202.42	
M-107	4/7/2016	201.89	
M-107	4/22/2016	202.67	
M-107	5/4/2016	200.03	
M-107	5/13/2016	207.89	
M-107	5/19/2016	208.93	
M-107	6/2/2016	205.03	
M-107	6/15/2016	199.65	
M-107	7/7/2016	209.73	
M-107	7/20/2016	195.80	
M-107	8/3/2016	199.72	
M-107	8/17/2016	184.50	
M-107	9/2/2016	190.96	
M-108	9/23/2015	219.70	
M-108	10/7/2015	227.30	
M-108	10/21/2015	220.01	
M-108	11/4/2015	216.36	
M-108	11/17/2015	214.00	
M-108	12/2/2015	212.37	
M-108	12/21/2015	201.80	
M-108	1/5/2016	210.20	
M-108	1/20/2016	211.00	
M-108	2/9/2016	207.03	
M-108	2/19/2016	200.39	
M-108	3/4/2016	199.36	
M-108	3/24/2016	202.80	
M-108	4/7/2016	202.69	
M-108	4/22/2016	203.70	
M-108	5/4/2016	200.25	
M-108	5/13/2016	207.95	
M-108	5/19/2016	209.18	
M-108	6/2/2016	205.40	
M-108	6/15/2016	200.50	
M-108	7/7/2016	210.42	
M-108	7/20/2016	196.13	
M-108	8/3/2016	200.37	
M-108	8/17/2016	184.90	
M-108	9/2/2016	191.50	
M-109	9/23/2015	209.52	
M-109	10/7/2015	217.23	
M-109	10/21/2015	209.55	
M-109	11/4/2015	207.86	
M-109	11/17/2015	206.92	
M-109	12/2/2015	201.74	
M-109	12/21/2015	197.20	
M-109	1/5/2016	203.41	
M-109	1/20/2016	202.92	
M-109	2/9/2016	200.32	
M-109	2/19/2016	194.63	
M-109	3/4/2016	193.40	
M-109	3/24/2016	197.50	
M-109	4/7/2016	198.20	
M-109	4/23/2016	208.22	
M-109	5/4/2016	196.00	
M-109	5/13/2016	202.49	
M-109	5/19/2016	203.63	
M-109	6/2/2016	200.80	
M-109	6/16/2016	196.87	
M-109	7/7/2016	202.58	
M-109	7/20/2016	192.14	
M-109	8/3/2016	195.70	
M-109	8/17/2016	180.89	
M-109	9/2/2016	186.87	





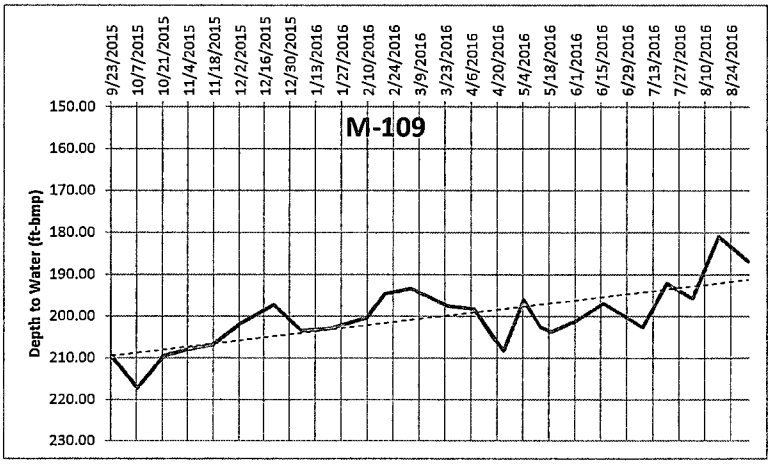
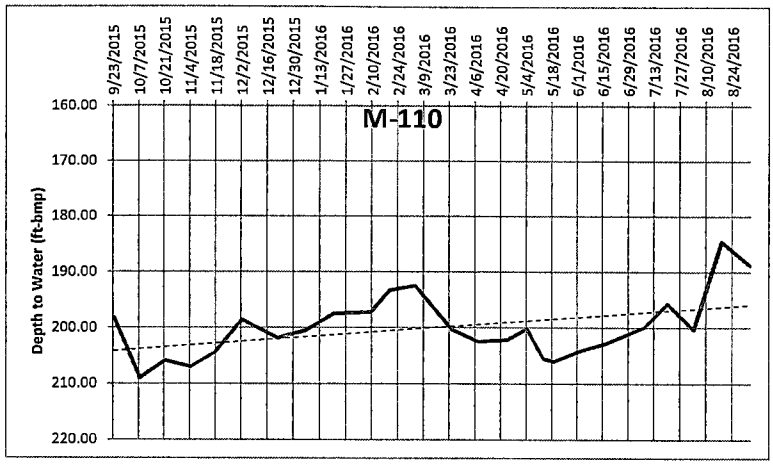
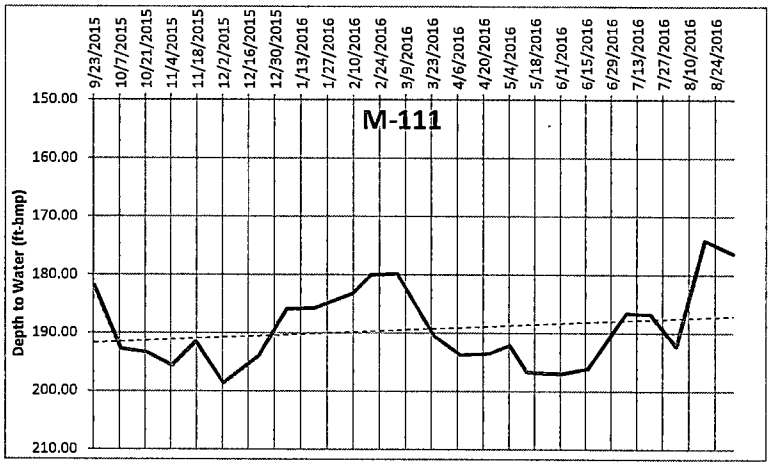


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-110	9/23/2015	198.21	
M-110	10/7/2015	209.00	
M-110	10/21/2015	205.89	
M-110	11/4/2015	206.97	
M-110	11/17/2015	204.42	
M-110	12/2/2015	198.55	
M-110	12/21/2015	201.83	
M-110	1/5/2016	200.50	
M-110	1/20/2016	197.51	
M-110	2/9/2016	197.20	
M-110	2/19/2016	193.33	
M-110	3/4/2016	192.47	
M-110	3/24/2016	200.37	
M-110	4/7/2016	202.50	
M-110	4/23/2016	202.13	
M-110	5/4/2016	200.21	
M-110	5/13/2016	205.52	
M-110	5/19/2016	206.00	
M-110	6/2/2016	204.20	
M-110	6/16/2016	202.80	
M-110	7/7/2016	200.00	
M-110	7/20/2016	195.70	
M-110	8/3/2016	200.25	
M-110	8/18/2016	184.50	
M-110	9/2/2016	188.79	
M-111	9/23/2015	181.90	
M-111	10/7/2015	192.73	
M-111	10/21/2015	193.37	
M-111	11/4/2015	195.62	
M-111	11/17/2015	191.50	
M-111	12/2/2015	198.62	
M-111	12/21/2015	193.98	
M-111	1/5/2016	185.89	
M-111	1/20/2016	185.71	
M-111	2/9/2016	183.23	
M-111	2/19/2016	179.97	
M-111	3/4/2016	179.86	
M-111	3/24/2016	190.53	
M-111	4/7/2016	193.70	
M-111	4/23/2016	193.50	
M-111	5/4/2016	192.12	
M-111	5/13/2016	196.61	
M-111	5/19/2016	196.83	
M-111	6/2/2016	196.95	
M-111	6/16/2016	196.12	
M-111	7/7/2016	186.57	
M-111	7/20/2016	186.78	
M-111	8/3/2016	192.30	
M-111	8/18/2016	174.12	
M-111	9/2/2016	176.35	
M-112	9/23/2015	190.03	
M-112	10/7/2015	199.83	
M-112	10/21/2015	200.03	
M-112	11/4/2015	202.87	
M-112	11/17/2015	199.00	
M-112	12/2/2015	182.57	
M-112	12/21/2015	202.95	
M-112	1/5/2016	193.57	
M-112	1/20/2016	190.51	
M-112	2/9/2016	191.18	
M-112	2/19/2016	188.67	
M-112	3/4/2016	187.86	
M-112	3/24/2016	199.66	
M-112	4/7/2016	202.82	
M-112	4/23/2016	202.43	
M-112	5/4/2016	202.00	
M-112	5/13/2016	205.20	
M-112	5/19/2016	205.55	
M-112	6/2/2016	205.00	
M-112	6/16/2016	219.12	
M-112	7/7/2016	195.51	
M-112	7/20/2016	196.97	
M-112	8/3/2016	200.99	
M-112	8/18/2016	184.17	
M-112	9/2/2016	185.50	





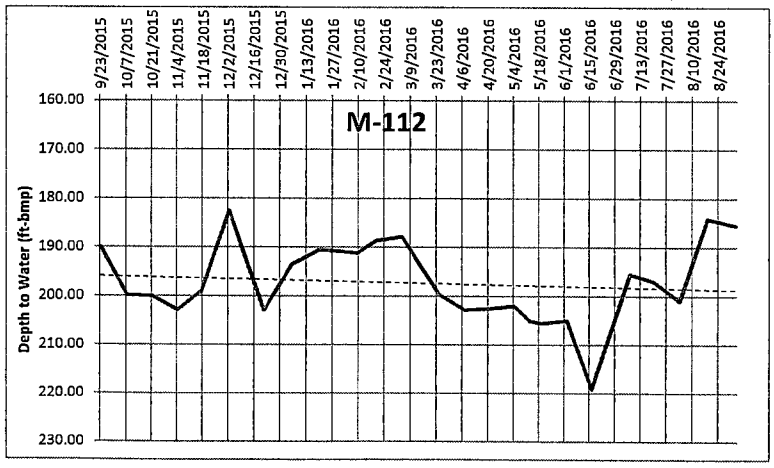
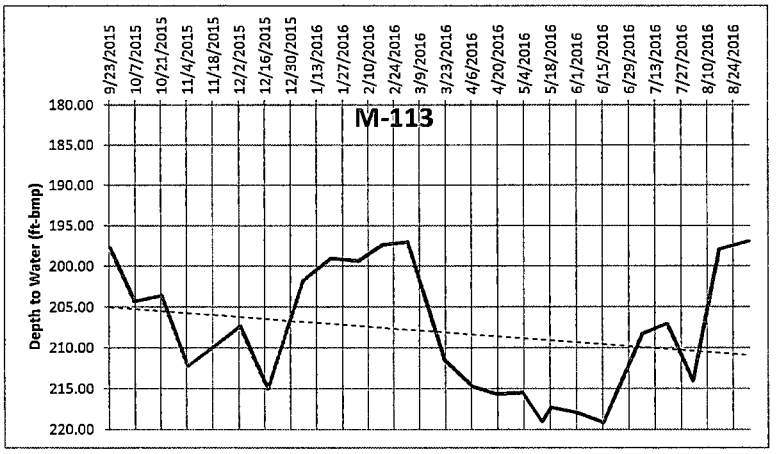
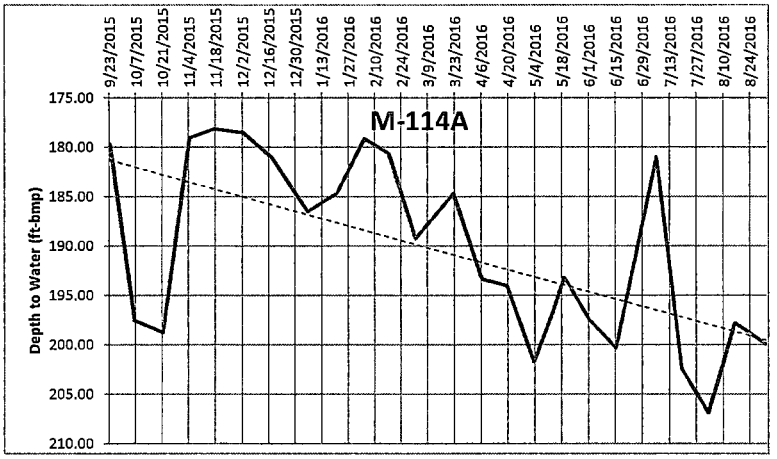


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-113	9/23/2015	197.70	
M-113	10/6/2015	204.29	
M-113	10/21/2015	203.60	
M-113	11/4/2015	212.23	
M-113	11/17/2015	210.00	
M-113	12/2/2015	207.33	
M-113	12/17/2015	215.00	
M-113	1/5/2016	201.81	
M-113	1/20/2016	199.03	
M-113	2/4/2016	199.32	
M-113	2/17/2016	197.35	
M-113	3/2/2016	197.00	
M-113	3/22/2016	211.40	
M-113	4/6/2016	214.67	
M-113	4/19/2016	215.62	
M-113	5/3/2016	215.48	
M-113	5/13/2016	219.00	
M-113	5/18/2016	217.28	
M-113	6/1/2016	217.92	
M-113	6/15/2016	219.12	
M-113	7/6/2016	208.27	
M-113	7/19/2016	207.00	
M-113	8/2/2016	214.03	
M-113	8/16/2016	197.91	
M-113	9/1/2016	196.87	
M-114A	9/23/2015	179.68	
M-114A	10/6/2015	197.53	
M-114A	10/21/2015	198.76	
M-114A	11/4/2015	179.03	
M-114A	11/17/2015	178.13	
M-114A	12/2/2015	178.52	
M-114A	12/17/2015	180.97	
M-114A	1/5/2016	186.50	
M-114A	1/20/2016	184.70	
M-114A	2/4/2016	179.13	
M-114A	2/17/2016	180.63	
M-114A	3/2/2016	189.23	
M-114A	3/22/2016	184.67	
M-114A	4/6/2016	193.35	
M-114A	4/19/2016	194.00	
M-114A	5/3/2016	201.68	
M-114A	5/13/2016	196.63	
M-114A	5/19/2016	193.17	
M-114A	6/1/2016	197.47	
M-114A	6/15/2016	200.30	
M-114A	7/6/2016	180.98	
M-114A	7/19/2016	202.40	
M-114A	8/2/2016	206.84	
M-114A	8/16/2016	197.80	
M-114A	9/1/2016	199.90	
M-115A	9/23/2015	178.40	
M-115A	10/6/2015	192.71	
M-115A	10/21/2015	193.48	
M-115A	11/4/2015	170.92	
M-115A	11/17/2015	170.70	
M-115A	12/2/2015	170.50	
M-115A	12/17/2015	171.12	
M-115A	1/5/2016	186.31	
M-115A	1/20/2016	180.92	
M-115A	2/4/2016	174.20	
M-115A	2/17/2016	177.00	
M-115A	3/2/2016	183.13	
M-115A	3/22/2016	179.15	
M-115A	4/6/2016	188.74	
M-115A	4/19/2016	189.00	
M-115A	5/3/2016	199.22	
M-115A	5/13/2016	188.52	
M-115A	5/19/2016	185.13	
M-115A	6/1/2016	190.23	
M-115A	6/15/2016	195.98	
M-115A	7/6/2016	167.02	
M-115A	7/19/2016	202.57	
M-115A	8/2/2016	208.55	
M-115A	8/16/2016	197.77	
M-115A	9/1/2016	196.50	





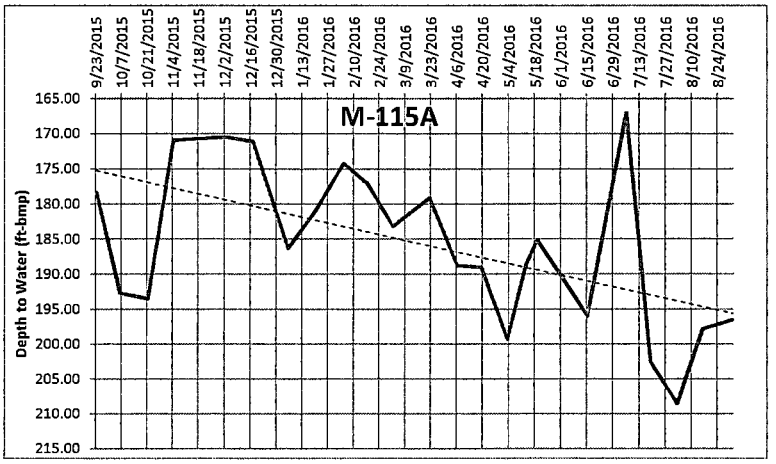
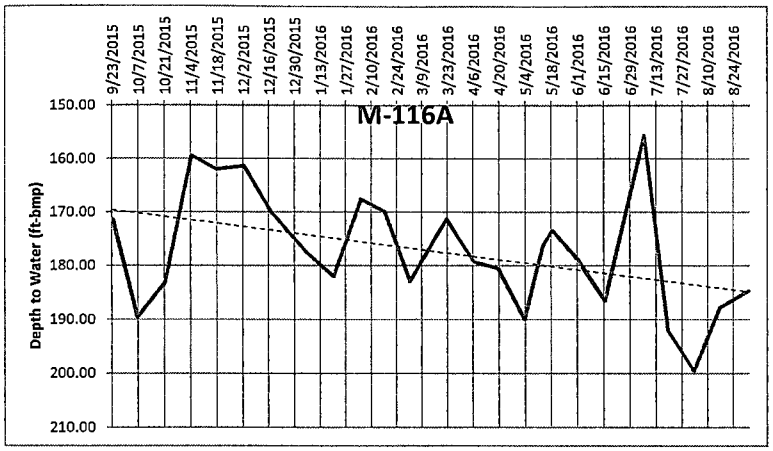
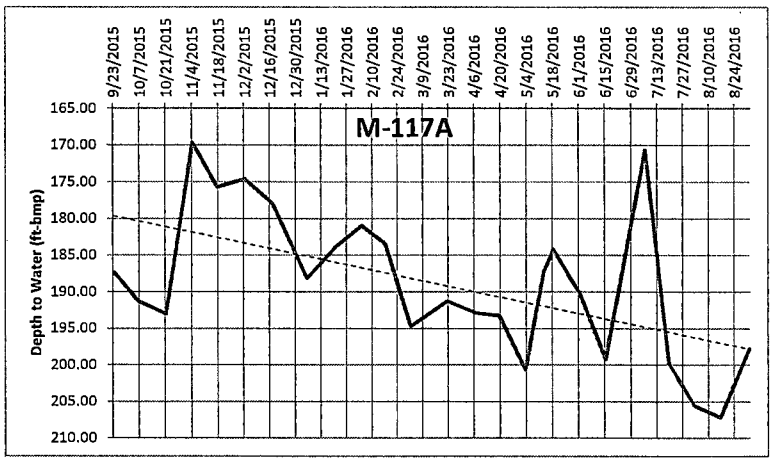


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-116A	9/23/2015	171.39	
M-116A	10/6/2015	189.50	
M-116A	10/21/2015	183.00	
M-116A	11/4/2015	159.39	
M-116A	11/17/2015	161.93	
M-116A	12/2/2015	161.38	
M-116A	12/17/2015	170.11	
M-116A	1/5/2016	177.48	
M-116A	1/20/2016	182.00	
M-116A	2/4/2016	167.64	
M-116A	2/17/2016	169.92	
M-116A	3/2/2016	182.90	
M-116A	3/22/2016	171.30	
M-116A	4/6/2016	179.30	
M-116A	4/19/2016	180.47	
M-116A	5/3/2016	189.92	
M-116A	5/13/2016	176.25	
M-116A	5/18/2016	173.43	
M-116A	6/1/2016	178.92	
M-116A	6/15/2016	186.49	
M-116A	7/6/2016	155.63	
M-116A	7/19/2016	192.13	
M-116A	8/2/2016	199.52	
M-116A	8/16/2016	187.80	
M-116A	9/1/2016	184.64	
M-117	9/23/2015	187.30	
M-117	10/6/2015	191.29	
M-117	10/21/2015	193.02	
M-117	11/4/2015	169.65	
M-117	11/17/2015	175.68	
M-117	12/2/2015	174.57	
M-117	12/17/2015	177.90	
M-117	1/5/2016	188.17	
M-117	1/20/2016	184.02	
M-117	2/4/2016	181.00	
M-117	2/17/2016	183.41	
M-117	3/2/2016	194.70	
M-117	3/22/2016	191.26	
M-117	4/6/2016	192.83	
M-117	4/19/2016	193.26	
M-117	5/3/2016	200.65	
M-117	5/13/2016	187.20	
M-117	5/18/2016	184.17	
M-117	6/1/2016	190.19	
M-117	6/15/2016	199.20	
M-117	7/6/2016	170.62	
M-117	7/19/2016	199.82	
M-117	8/2/2016	205.58	
M-117	8/16/2016	207.14	
M-117	9/1/2016	197.80	
M-118	9/23/2015	181.04	
M-118	10/6/2015	179.77	
M-118	10/21/2015	179.83	
M-118	11/4/2015	166.14	
M-118	11/17/2015	172.14	
M-118	12/2/2015	173.09	
M-118	12/17/2015	175.67	
M-118	1/5/2016	176.48	
M-118	1/20/2016	176.47	
M-118	2/4/2016	173.40	
M-118	2/17/2016	176.50	
M-118	3/2/2016	187.43	
M-118	3/22/2016	180.30	
M-118	4/6/2016	182.50	
M-118	4/19/2016	184.43	
M-118	5/3/2016	189.03	
M-118	5/13/2016	173.10	
M-118	5/18/2016	169.71	
M-118	6/1/2016	179.17	
M-118	6/15/2016	190.60	
M-118	7/6/2016	172.85	
M-118	7/19/2016	190.66	
M-118	8/2/2016	211.00	
M-118	8/16/2016	201.31	
M-118	9/1/2016	198.82	





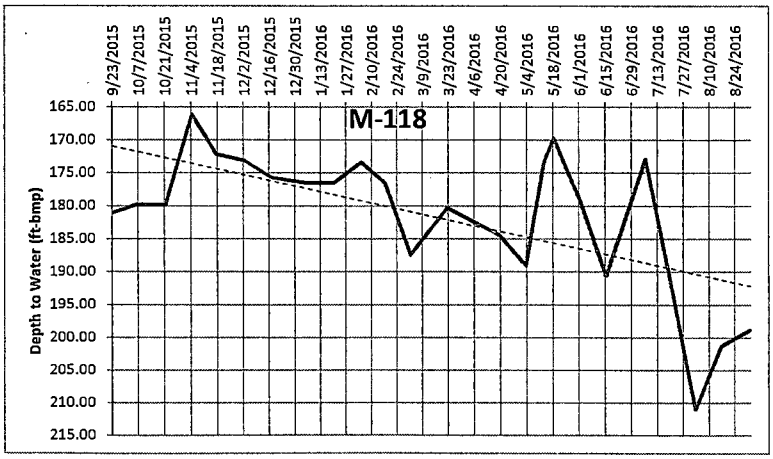
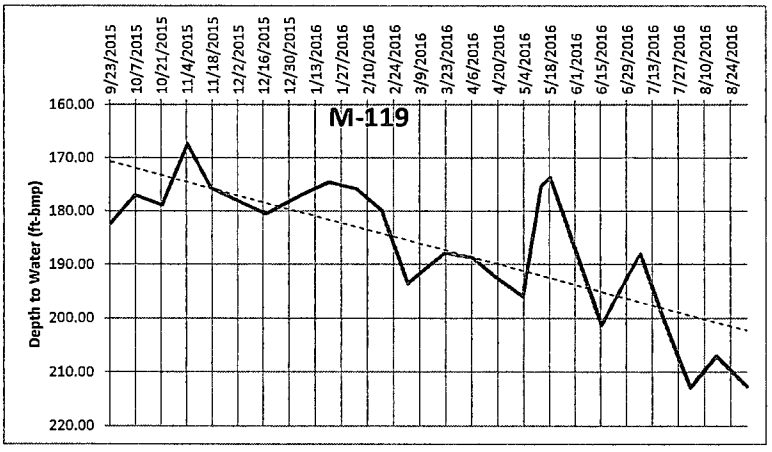
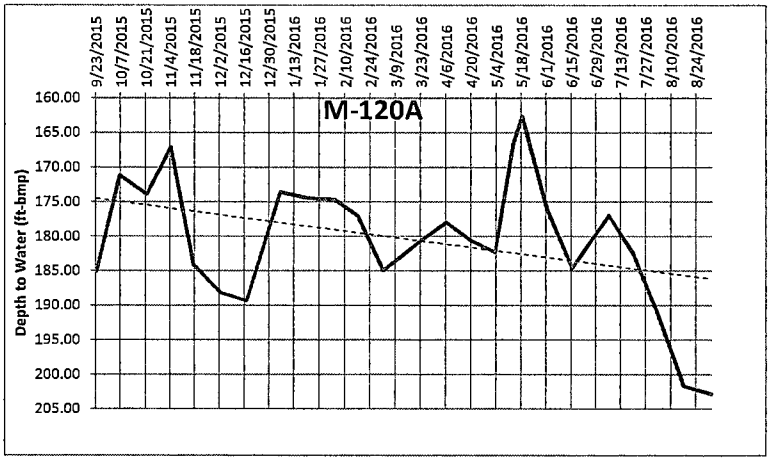


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-119	9/23/2015	182.30	
M-119	10/6/2015	177.01	
M-119	10/21/2015	178.83	
M-119	11/4/2015	167.42	
M-119	11/17/2015	175.70	
M-119	12/2/2015	178.12	
M-119	12/17/2015	180.50	
M-119	1/5/2016	177.01	
M-119	1/20/2016	174.58	
M-119	2/4/2016	175.83	
M-119	2/17/2016	179.78	
M-119	3/2/2016	193.56	
M-119	3/22/2016	187.87	
M-119	4/6/2016	188.70	
M-119	4/19/2016	192.50	
M-119	5/3/2016	196.00	
M-119	5/13/2016	175.28	
M-119	5/18/2016	173.75	
M-119	6/1/2016	187.50	
M-119	6/15/2016	201.20	
M-119	7/6/2016	187.97	
M-119	7/19/2016	200.58	
M-119	8/2/2016	212.85	
M-119	8/16/2016	207.00	
M-119	9/1/2016	212.62	
M-120A	9/23/2015	184.99	
M-120A	10/6/2015	171.12	
M-120A	10/21/2015	173.90	
M-120A	11/4/2015	167.05	
M-120A	11/17/2015	184.10	
M-120A	12/2/2015	188.15	
M-120A	12/17/2015	189.30	
M-120A	1/5/2016	173.55	
M-120A	1/20/2016	174.47	
M-120A	2/4/2016	174.66	
M-120A	2/17/2016	177.03	
M-120A	3/2/2016	184.97	
M-120A	3/22/2016	180.75	
M-120A	4/6/2016	177.97	
M-120A	4/19/2016	180.50	
M-120A	5/3/2016	182.27	
M-120A	5/13/2016	166.70	
M-120A	5/18/2016	162.61	
M-120A	6/1/2016	175.95	
M-120A	6/15/2016	184.57	
M-120A	7/6/2016	176.96	
M-120A	7/19/2016	182.15	
M-120A	8/2/2016	190.99	
M-120A	8/17/2016	201.70	
M-120A	9/1/2016	202.80	
M-121	9/23/2015	185.26	
M-121	10/6/2015	173.18	
M-121	10/21/2015	176.07	
M-121	11/4/2015	178.33	
M-121	11/17/2015	184.31	
M-121	12/2/2015	187.60	
M-121	12/17/2015	188.22	
M-121	1/5/2016	183.69	
M-121	1/20/2016	176.86	
M-121	2/4/2016	180.56	
M-121	2/17/2016	182.00	
M-121	3/2/2016	185.00	
M-121	3/22/2016	187.73	
M-121	4/6/2016	183.53	
M-121	4/19/2016	185.00	
M-121	5/3/2016	186.00	
M-121	5/13/2016	177.63	
M-121	5/18/2016	177.70	
M-121	6/1/2016	184.61	
M-121	6/15/2016	188.43	
M-121	7/6/2016	183.98	
M-121	7/19/2016	184.16	
M-121	8/2/2016	188.04	
M-121	8/17/2016	202.03	
M-121	9/1/2016	203.23	





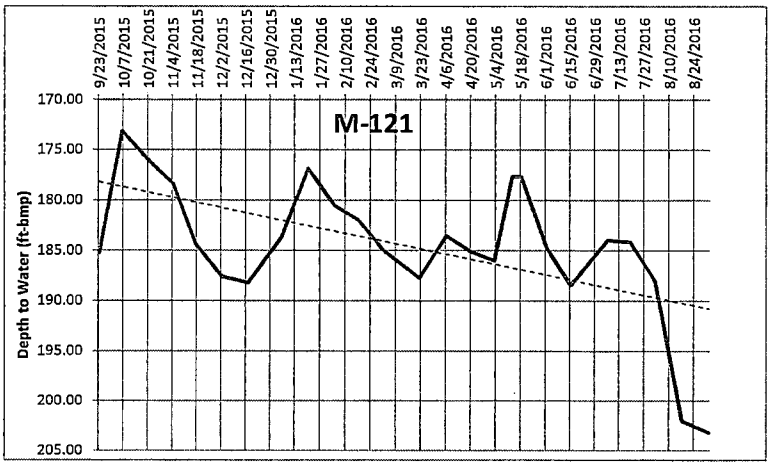
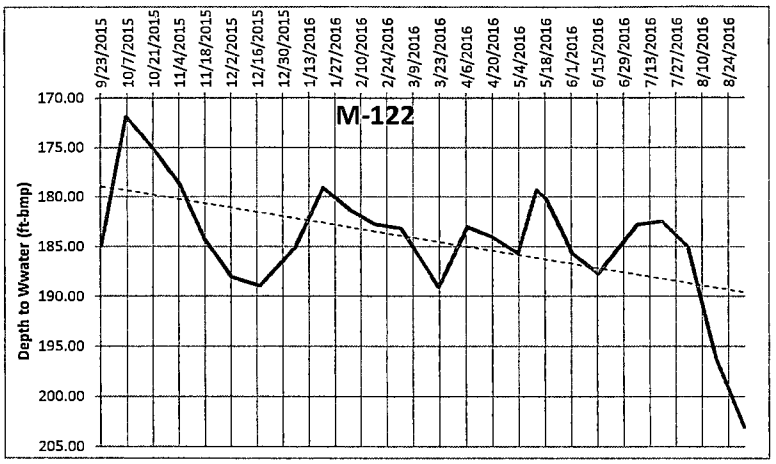
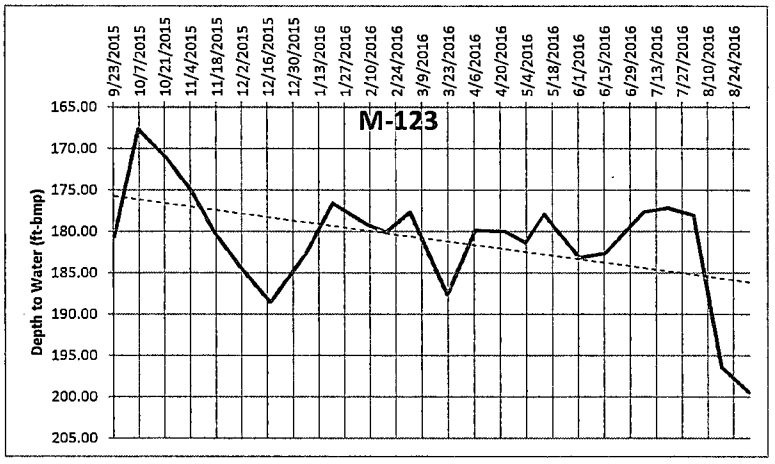


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-122	9/23/2015	184.90	
M-122	10/6/2015	171.90	
M-122	10/21/2015	175.19	
M-122	11/4/2015	178.77	
M-122	11/17/2015	184.13	
M-122	12/2/2015	188.07	
M-122	12/17/2015	188.94	
M-122	1/5/2016	185.10	
M-122	1/20/2016	179.09	
M-122	2/4/2016	181.35	
M-122	2/17/2016	182.78	
M-122	3/2/2016	183.17	
M-122	3/22/2016	189.05	
M-122	4/6/2016	183.04	
M-122	4/19/2016	184.01	
M-122	5/3/2016	185.68	
M-122	5/13/2016	179.27	
M-122	5/18/2016	180.22	
M-122	6/1/2016	185.68	
M-122	6/15/2016	187.70	
M-122	7/6/2016	182.82	
M-122	7/19/2016	182.46	
M-122	8/2/2016	185.00	
M-122	8/17/2016	196.17	
M-122	9/1/2016	203.02	
M-123	9/23/2015	180.62	
M-123	10/6/2015	167.63	
M-123	10/21/2015	170.92	
M-123	11/4/2015	175.02	
M-123	11/17/2015	180.23	
M-123	12/2/2015	184.63	
M-123	12/17/2015	188.52	
M-123	1/5/2016	182.80	
M-123	1/20/2016	176.56	
M-123	2/8/2016	179.13	
M-123	2/18/2016	180.10	
M-123	3/2/2016	177.62	
M-123	3/22/2016	187.61	
M-123	4/6/2016	179.84	
M-123	4/22/2016	179.93	
M-123	5/3/2016	181.31	
M-123	5/13/2016	177.87	
M-123	5/18/2016	179.37	
M-123	6/1/2016	183.13	
M-123	6/15/2016	182.60	
M-123	7/6/2016	177.60	
M-123	7/19/2016	177.10	
M-123	8/2/2016	178.00	
M-123	8/17/2016	196.36	
M-123	9/1/2016	199.42	
M-124	9/23/2015	182.22	
M-124	10/6/2015	170.03	
M-124	10/21/2015	173.62	
M-124	11/4/2015	177.14	
M-124	11/17/2015	182.60	
M-124	12/2/2015	187.06	
M-124	12/17/2015	186.94	
M-124	1/5/2016	184.81	
M-124	1/20/2016	181.21	
M-124	2/8/2016	183.11	
M-124	2/18/2016	182.98	
M-124	3/2/2016	179.19	
M-124	3/22/2016	191.59	
M-124	4/6/2016	182.16	
M-124	4/22/2016	182.39	
M-124	5/3/2016	183.32	
M-124	5/13/2016	181.03	
M-124	5/18/2016	182.97	
M-124	6/1/2016	186.01	
M-124	6/15/2016	184.71	
M-124	7/6/2016	180.00	
M-124	7/19/2016	179.53	
M-124	8/2/2016	179.60	
M-124	8/17/2016	198.57	
M-124	9/1/2016	202.91	





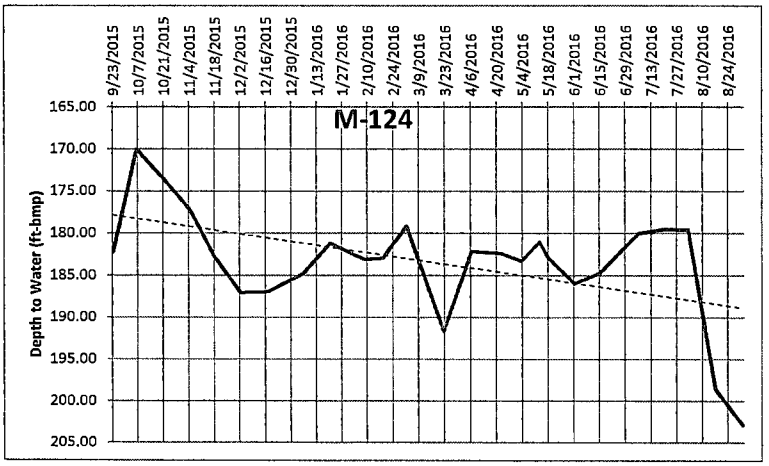
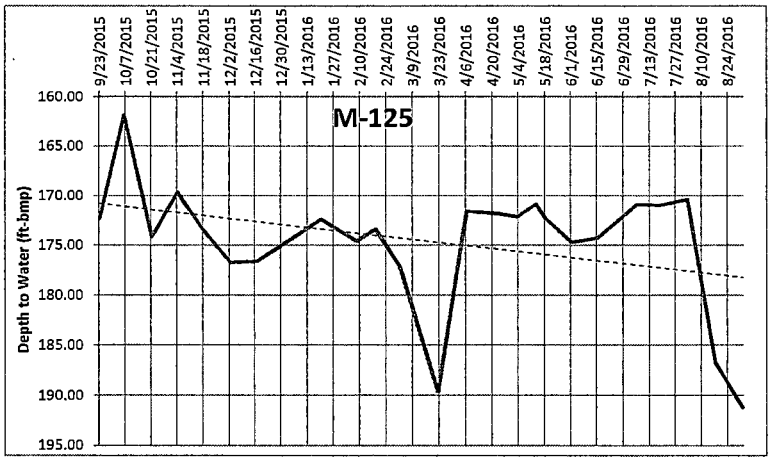
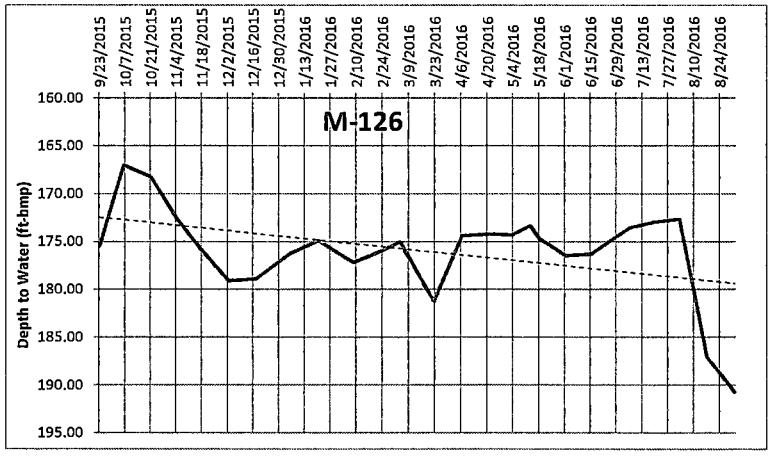


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-125	9/23/2015	172.31	
M-125	10/6/2015	161.88	
M-125	10/21/2015	174.15	
M-125	11/4/2015	169.67	
M-125	11/17/2015	173.27	
M-125	12/2/2015	176.71	
M-125	12/17/2015	176.60	
M-125	1/5/2016	174.27	
M-125	1/20/2016	172.40	
M-125	2/8/2016	174.60	
M-125	2/18/2016	173.38	
M-125	3/2/2016	177.23	
M-125	3/22/2016	189.62	
M-125	4/6/2016	171.57	
M-125	4/22/2016	171.80	
M-125	5/3/2016	172.13	
M-125	5/13/2016	170.87	
M-125	5/18/2016	172.32	
M-125	6/1/2016	174.72	
M-125	6/15/2016	174.29	
M-125	7/6/2016	170.91	
M-125	7/19/2016	170.95	
M-125	8/2/2016	170.40	
M-125	8/17/2016	186.72	
M-125	9/1/2016	191.20	
M-126	9/23/2015	175.47	
M-126	10/6/2015	167.00	
M-126	10/21/2015	168.24	
M-126	11/4/2015	172.53	
M-126	11/17/2015	175.74	
M-126	12/2/2015	179.08	
M-126	12/17/2015	178.93	
M-126	1/5/2016	176.21	
M-126	1/20/2016	174.87	
M-126	2/8/2016	177.18	
M-126	2/18/2016	176.40	
M-126	3/4/2016	175.00	
M-126	3/22/2016	181.22	
M-126	4/6/2016	174.37	
M-126	4/22/2016	174.21	
M-126	5/3/2016	174.30	
M-126	5/13/2016	173.33	
M-126	5/18/2016	174.74	
M-126	6/1/2016	176.46	
M-126	6/15/2016	176.30	
M-126	7/6/2016	173.53	
M-126	7/19/2016	172.95	
M-126	8/2/2016	172.67	
M-126	8/17/2016	187.10	
M-126	9/1/2016	190.71	
M-127	9/23/2015	190.41	
M-127	10/6/2015	191.78	
M-127	10/21/2015	195.00	
M-127	11/4/2015	189.60	
M-127	11/17/2015	187.69	
M-127	12/2/2015	185.70	
M-127	12/17/2015	182.38	
M-127	1/5/2016	182.80	
M-127	1/20/2016	190.93	
M-127	2/8/2016	192.97	
M-127	2/18/2016	189.50	
M-127	3/4/2016	188.03	
M-127	3/22/2016	179.92	
M-127	4/6/2016	180.22	
M-127	4/22/2016	176.91	
M-127	5/3/2016	172.95	
M-127	5/13/2016	183.90	
M-127	5/18/2016	185.35	
M-127	6/1/2016	174.80	
M-127	6/15/2016	171.85	
M-127	7/6/2016	184.00	
M-127	7/19/2016	175.00	
M-127	8/2/2016	170.20	
M-127	8/17/2016	170.98	
M-127	9/1/2016	170.91	





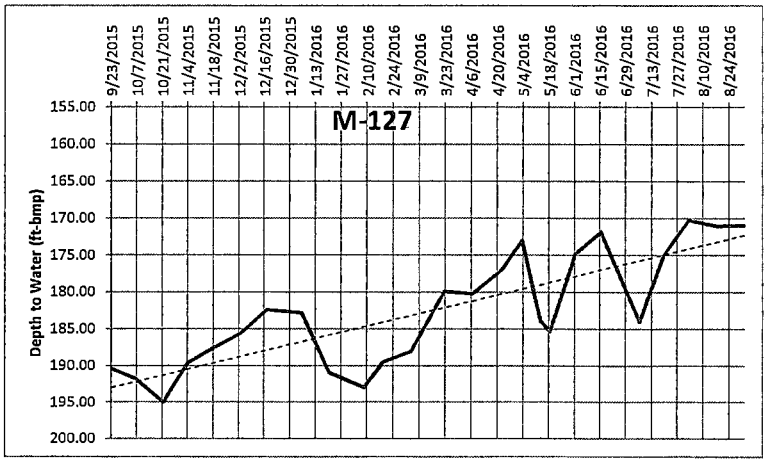


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
M-128	9/23/2015	193.45	
M-128	10/6/2015	195.53	
M-128	10/21/2015	195.60	
M-128	11/4/2015	192.72	
M-128	11/17/2015	190.05	
M-128	12/2/2015	187.55	
M-128	12/17/2015	183.99	
M-128	1/5/2016	183.66	
M-128	1/20/2016	193.23	
M-128	2/8/2016	195.88	
M-128	2/18/2016	191.03	
M-128	3/4/2016	189.02	
M-128	3/22/2016	178.89	
M-128	4/6/2016	180.90	
M-128	4/22/2016	179.44	
M-128	5/3/2016	174.67	
M-128	5/13/2016	186.28	
M-128	5/18/2016	187.33	
M-128	6/1/2016	176.86	
M-128	6/15/2016	172.85	
M-128	7/6/2016	186.00	
M-128	7/19/2016	178.40	
M-128	8/3/2016	169.04	
M-128	8/17/2016	170.00	
M-128	9/1/2016	171.11	

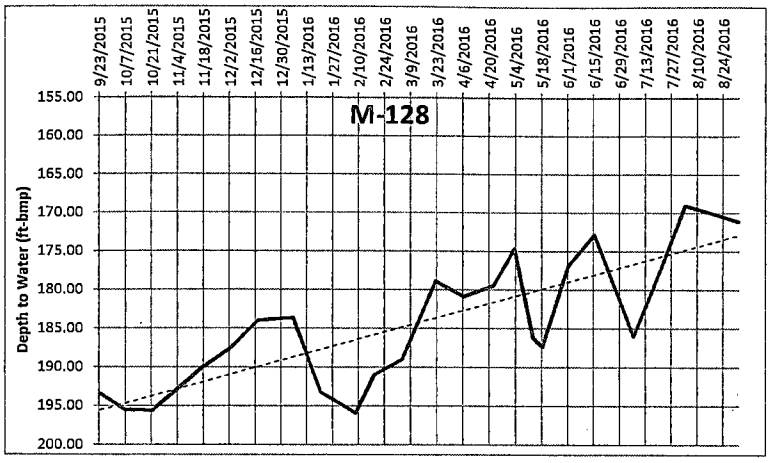
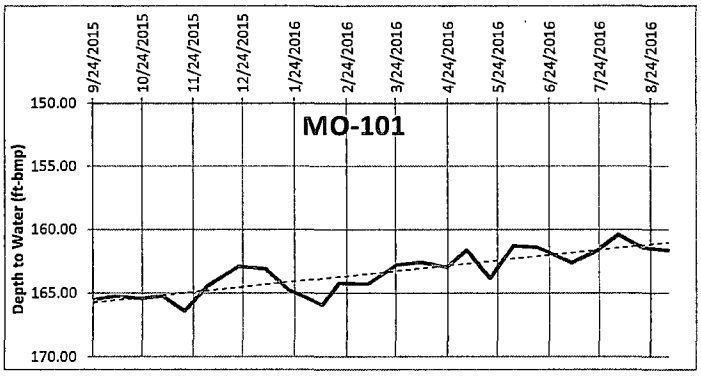
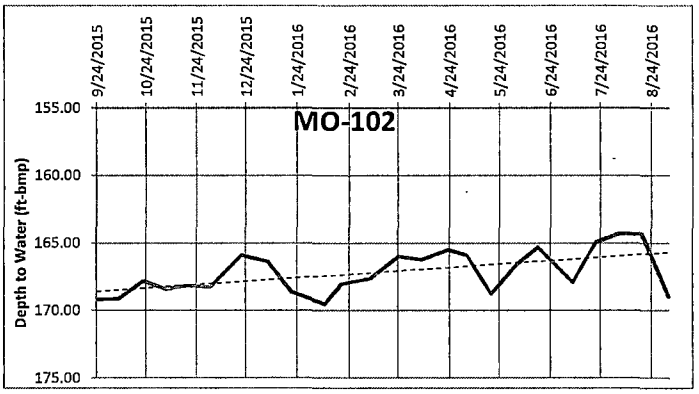


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MO-101	9/24/2015	165.53	
MO-101	10/7/2015	165.24	
MO-101	10/22/2015	165.40	
MO-101	11/5/2015	165.25	
MO-101	11/18/2015	166.42	
MO-101	12/2/2015	164.47	
MO-101	12/21/2015	162.91	
MO-101	1/6/2016	163.10	
MO-101	1/20/2016	164.76	
MO-101	2/9/2016	165.93	
MO-101	2/19/2016	164.21	
MO-101	3/7/2016	164.26	
MO-101	3/24/2016	162.78	
MO-101	4/8/2016	162.57	
MO-101	4/23/2016	162.98	
MO-101	5/5/2016	161.64	
MO-101	5/19/2016	163.82	
MO-101	6/2/2016	161.30	
MO-101	6/16/2016	161.39	
MO-101	7/7/2016	162.61	
MO-101	7/21/2016	161.77	
MO-101	8/4/2016	160.42	
MO-101	8/18/2016	161.42	
MO-101	9/3/2016	161.63	
MO-102	9/24/2015	169.17	
MO-102	10/7/2015	169.14	
MO-102	10/22/2015	167.83	
MO-102	11/5/2015	168.43	
MO-102	11/18/2015	168.14	
MO-102	12/2/2015	168.27	
MO-102	12/21/2015	165.91	
MO-102	1/6/2016	166.38	
MO-102	1/20/2016	168.60	
MO-102	2/9/2016	169.52	
MO-102	2/19/2016	168.02	
MO-102	3/7/2016	167.63	
MO-102	3/24/2016	166.00	
MO-102	4/7/2016	166.23	
MO-102	4/23/2016	165.50	
MO-102	5/4/2016	165.90	
MO-102	5/19/2016	168.77	
MO-102	6/3/2016	166.62	
MO-102	6/16/2016	165.30	
MO-102	7/7/2016	167.90	
MO-102	7/21/2016	164.95	
MO-102	8/4/2016	164.30	
MO-102	8/18/2016	164.33	
MO-102	9/3/2016	168.97	
MO-103	9/24/2015	163.18	
MO-103	10/7/2015	162.17	
MO-103	10/22/2015	162.57	
MO-103	11/5/2015	162.07	
MO-103	11/18/2015	162.63	
MO-103	12/3/2015	163.12	
MO-103	12/21/2015	162.18	
MO-103	1/6/2016	161.66	
MO-103	1/20/2016	162.42	
MO-103	2/9/2016	163.81	
MO-103	2/19/2016	162.43	
MO-103	3/7/2016	163.12	
MO-103	3/24/2016	162.28	
MO-103	4/7/2016	161.89	
MO-103	4/23/2016	160.62	
MO-103	5/4/2016	161.22	
MO-103	5/19/2016	160.83	
MO-103	6/3/2016	161.20	
MO-103	6/16/2016	160.60	
MO-103	7/7/2016	162.29	
MO-103	7/21/2016	160.44	
MO-103	8/4/2016	161.70	
MO-103	8/18/2016	162.73	
MO-103	9/3/2016	163.64	





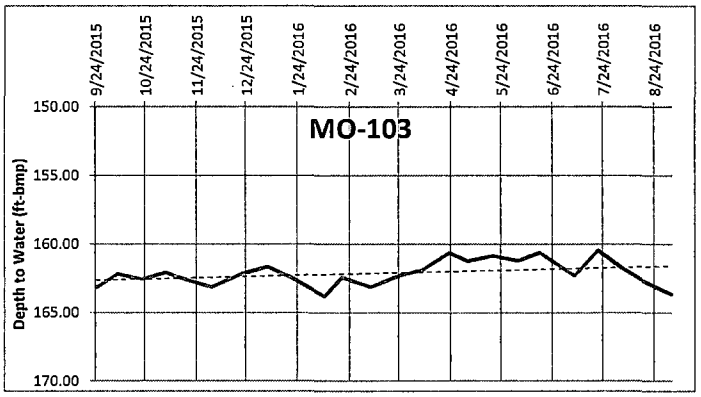
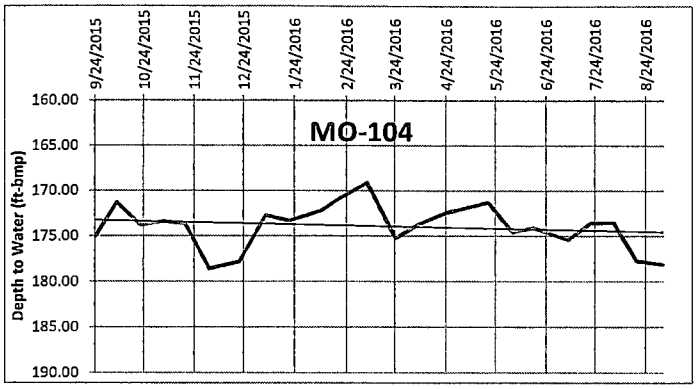
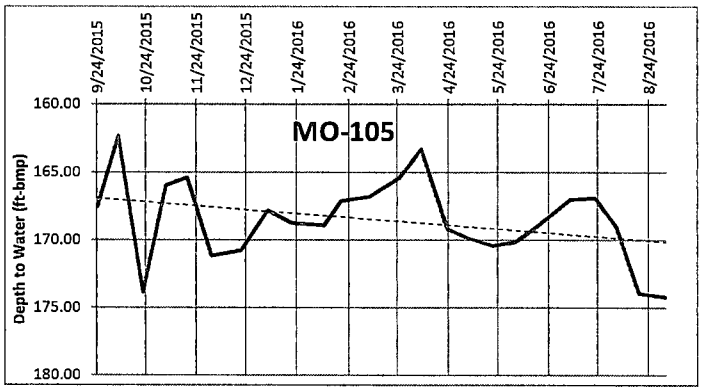


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MO-104	9/24/2015	175.03	
MO-104	10/7/2015	171.30	
MO-104	10/22/2015	173.82	
MO-104	11/5/2015	173.42	
MO-104	11/18/2015	173.69	
MO-104	12/3/2015	178.60	
MO-104	12/21/2015	177.82	
MO-104	1/6/2016	172.73	
MO-104	1/20/2016	173.36	
MO-104	2/9/2016	172.18	
MO-104	2/19/2016	170.93	
MO-104	3/7/2016	169.12	
MO-104	3/24/2016	175.20	
MO-104	4/7/2016	173.69	
MO-104	4/23/2016	172.47	
MO-104	5/4/2016	172.00	
MO-104	5/19/2016	171.32	
MO-104	6/3/2016	174.57	
MO-104	6/16/2016	174.08	
MO-104	7/7/2016	175.42	
MO-104	7/21/2016	173.59	
MO-104	8/4/2016	173.54	
MO-104	8/18/2016	177.76	
MO-104	9/3/2016	178.13	
MO-105	9/24/2015	167.55	
MO-105	10/7/2015	162.32	
MO-105	10/22/2015	173.82	
MO-105	11/5/2015	165.97	
MO-105	11/18/2015	165.39	
MO-105	12/3/2015	171.16	
MO-105	12/21/2015	170.74	
MO-105	1/6/2016	167.81	
MO-105	1/20/2016	168.72	
MO-105	2/9/2016	168.91	
MO-105	2/19/2016	167.11	
MO-105	3/7/2016	166.78	
MO-105	3/25/2016	165.39	
MO-105	4/7/2016	163.29	
MO-105	4/23/2016	169.18	
MO-105	5/5/2016	169.83	
MO-105	5/20/2016	170.42	
MO-105	6/3/2016	170.13	
MO-105	6/16/2016	169.03	
MO-105	7/7/2016	167.00	
MO-105	7/22/2016	166.90	
MO-105	8/4/2016	169.02	
MO-105	8/18/2016	173.95	
MO-105	9/3/2016	174.21	
MO-106	9/24/2015	163.48	
MO-106	10/7/2015	159.60	
MO-106	10/22/2015	161.04	
MO-106	11/5/2015	166.23	
MO-106	11/18/2015	165.79	
MO-106	12/3/2015	165.13	
MO-106	12/21/2015	164.39	
MO-106	1/6/2016	166.39	
MO-106	1/20/2016	167.42	
MO-106	2/10/2016	163.62	
MO-106	2/22/2016	162.32	
MO-106	3/8/2016	161.89	
MO-106	3/25/2016	160.32	
MO-106	4/7/2016	158.74	
MO-106	4/23/2016	160.41	
MO-106	5/5/2016	160.73	
MO-106	5/20/2016	162.21	
MO-106	6/3/2016	165.40	
MO-106	6/16/2016	166.37	
MO-106	7/8/2016	165.69	
MO-106	7/22/2016	164.23	
MO-106	8/4/2016	167.17	
MO-106	8/18/2016	167.39	
MO-106	9/3/2016	167.91	





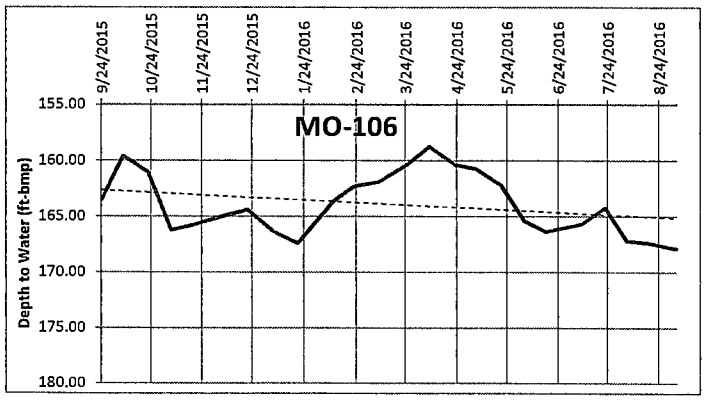
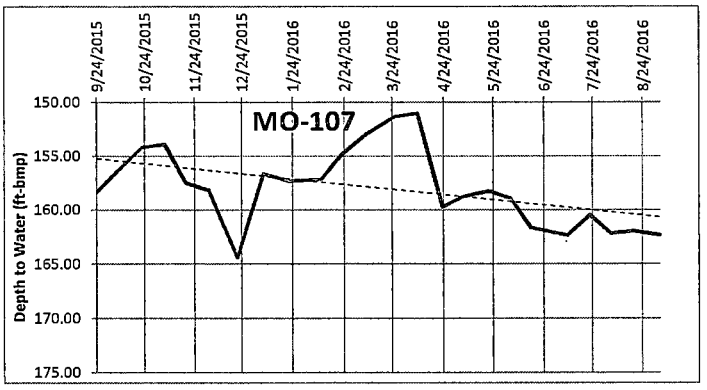
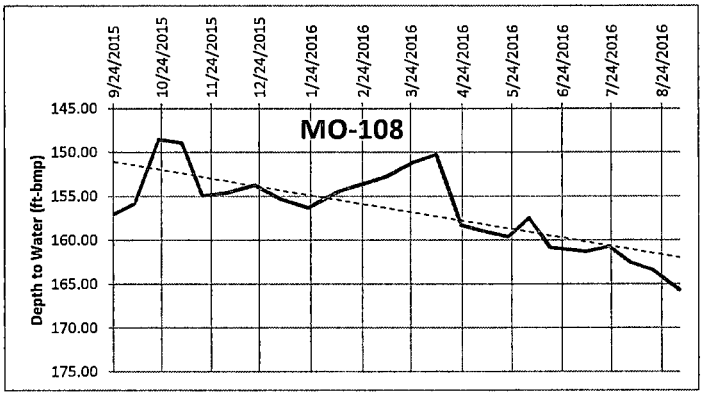


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MO-107	9/24/2015	158.30	
MO-107	10/7/2015	156.34	
MO-107	10/22/2015	154.20	
MO-107	11/5/2015	153.89	
MO-107	11/18/2015	157.51	
MO-107	12/3/2015	158.21	
MO-107	12/21/2015	164.39	
MO-107	1/6/2016	156.64	
MO-107	1/22/2016	157.32	
MO-107	2/10/2016	157.16	
MO-107	2/22/2016	154.86	
MO-107	3/8/2016	152.96	
MO-107	3/25/2016	151.32	
MO-107	4/8/2016	151.02	
MO-107	4/23/2016	159.71	
MO-107	5/5/2016	158.79	
MO-107	5/21/2016	158.27	
MO-107	6/3/2016	158.92	
MO-107	6/16/2016	161.65	
MO-107	7/8/2016	162.36	
MO-107	7/22/2016	160.49	
MO-107	8/4/2016	162.17	
MO-107	8/18/2016	161.97	
MO-107	9/3/2016	162.31	
MO-108	9/24/2015	156.98	
MO-108	10/7/2015	155.79	
MO-108	10/22/2015	148.50	
MO-108	11/5/2015	148.92	
MO-108	11/18/2015	154.92	
MO-108	12/3/2015	154.63	
MO-108	12/21/2015	153.71	
MO-108	1/6/2016	155.32	
MO-108	1/22/2016	156.30	
MO-108	2/10/2016	154.39	
MO-108	2/22/2016	153.69	
MO-108	3/8/2016	152.81	
MO-108	3/25/2016	151.14	
MO-108	4/8/2016	150.24	
MO-108	4/23/2016	158.30	
MO-108	5/5/2016	158.91	
MO-108	5/21/2016	159.63	
MO-108	6/3/2016	157.47	
MO-108	6/16/2016	160.87	
MO-108	7/8/2016	161.32	
MO-108	7/22/2016	160.73	
MO-108	8/4/2016	162.52	
MO-108	8/18/2016	163.39	
MO-108	9/3/2016	165.66	
MO-109	9/24/2015	172.20	
MO-109	10/7/2015		Not measured
MO-109	10/22/2015	170.37	
MO-109	11/5/2015	171.21	
MO-109	11/18/2015	170.20	
MO-109	12/3/2015	170.39	
MO-109	12/21/2015	169.56	
MO-109	1/6/2016	171.54	
MO-109	1/22/2016	172.68	
MO-109	2/10/2016	170.00	
MO-109	2/22/2016	169.24	
MO-109	3/8/2016	171.08	
MO-109	3/25/2016	170.54	
MO-109	4/8/2016	171.32	
MO-109	4/23/2016	170.55	
MO-109	5/5/2016	170.63	
MO-109	5/21/2016	171.42	
MO-109	6/3/2016	171.50	
MO-109	6/16/2016	172.33	
MO-109	7/8/2016	172.96	
MO-109	7/22/2016	170.21	
MO-109	8/4/2016	172.20	
MO-109	8/19/2016	172.89	
MO-109	9/3/2016	173.21	





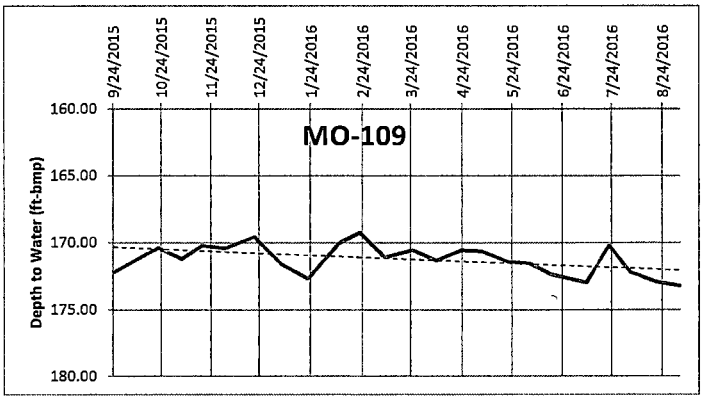
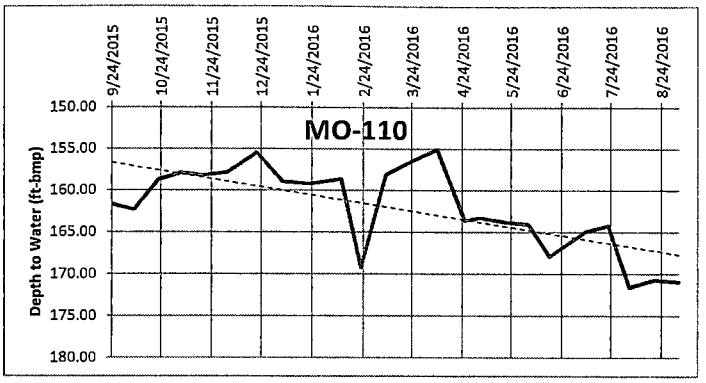
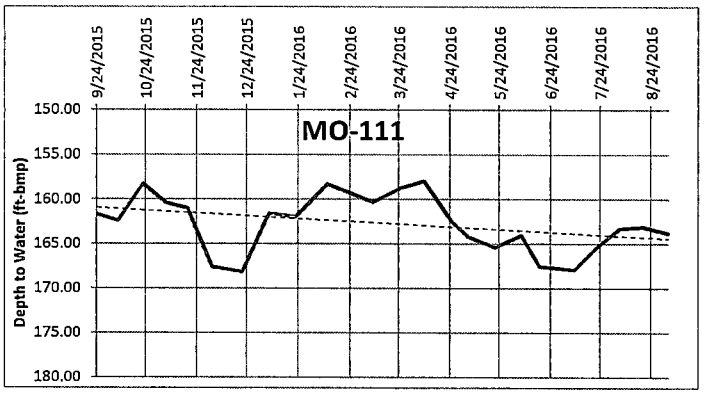


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MO-110	9/24/2015	161.72	
MO-110	10/7/2015	162.33	
MO-110	10/22/2015	158.73	
MO-110	11/5/2015	157.88	
MO-110	11/18/2015	158.21	
MO-110	12/3/2015	157.86	
MO-110	12/21/2015	155.49	
MO-110	1/6/2016	158.96	
MO-110	1/22/2016	159.22	
MO-110	2/10/2016	158.67	
MO-110	2/22/2016	169.24	
MO-110	3/8/2016	158.13	
MO-110	3/25/2016	156.36	
MO-110	4/8/2016	155.06	
MO-110	4/25/2016	163.59	
MO-110	5/5/2016	163.29	
MO-110	5/21/2016	163.81	
MO-110	6/3/2016	164.02	
MO-110	6/16/2016	167.88	
MO-110	7/8/2016	164.94	
MO-110	7/22/2016	164.23	
MO-110	8/4/2016	171.59	
MO-110	8/19/2016	170.68	
MO-110	9/3/2016	170.90	
MO-111	9/24/2015	161.68	
MO-111	10/7/2015	162.40	
MO-111	10/22/2015	158.28	
MO-111	11/5/2015	160.41	
MO-111	11/18/2015	161.02	
MO-111	12/3/2015	167.59	
MO-111	12/21/2015	168.12	
MO-111	1/6/2016	161.59	
MO-111	1/22/2016	161.99	
MO-111	2/10/2016	158.32	
MO-111	2/22/2016	159.16	
MO-111	3/8/2016	160.32	
MO-111	3/25/2016	158.72	
MO-111	4/8/2016	157.96	
MO-111	4/25/2016	162.53	
MO-111	5/5/2016	164.23	
MO-111	5/21/2016	165.36	
MO-111	6/6/2016	164.00	
MO-111	6/17/2016	167.51	
MO-111	7/8/2016	167.91	
MO-111	7/22/2016	165.32	
MO-111	8/5/2016	163.24	
MO-111	8/19/2016	163.09	
MO-111	9/3/2016	163.79	
MO-112	9/24/2015	165.13	
MO-112	10/7/2015	165.33	
MO-112	10/22/2015	164.19	
MO-112	11/5/2015	164.59	
MO-112	11/18/2015	164.91	
MO-112	12/4/2015	161.84	
MO-112	12/21/2015	160.22	
MO-112	1/6/2016	164.67	
MO-112	1/22/2016	165.41	
MO-112	2/10/2016	160.97	
MO-112	2/22/2016	159.39	
MO-112	3/8/2016	160.26	
MO-112	3/25/2016	159.32	
MO-112	4/8/2016	159.04	
MO-112	4/25/2016	165.17	
MO-112	5/5/2016	164.90	
MO-112	5/21/2016	164.21	
MO-112	6/3/2016	166.02	
MO-112	6/17/2016	168.72	
MO-112	7/8/2016	169.02	
MO-112	7/22/2016	167.80	
MO-112	8/5/2016	164.29	
MO-112	8/19/2016	163.89	
MO-112	9/3/2016	163.99	





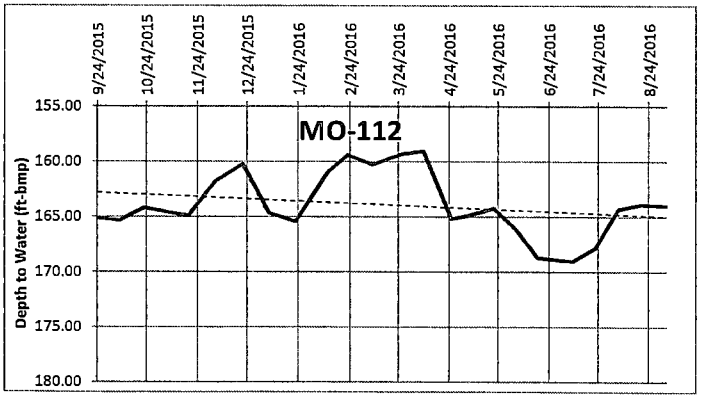
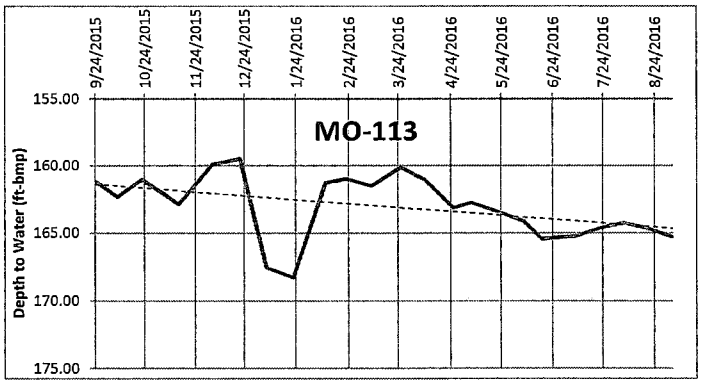


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MO-113	9/24/2015	161.18	
MO-113	10/7/2015	162.31	
MO-113	10/22/2015	161.03	
MO-113	11/5/2015	162.16	
MO-113	11/13/2015	162.89	
MO-113	12/4/2015	159.90	
MO-113	12/21/2015	159.49	
MO-113	1/6/2016	167.55	
MO-113	1/22/2016	168.29	
MO-113	2/10/2016	161.26	
MO-113	2/22/2016	160.96	
MO-113	3/8/2016	161.51	
MO-113	3/25/2016	160.12	
MO-113	4/8/2016	161.00	
MO-113	4/25/2016	163.11	
MO-113	5/6/2016	162.74	
MO-113	5/21/2016	163.38	
MO-113	6/6/2016	164.13	
MO-113	6/17/2016	165.42	
MO-113	7/8/2016	165.21	
MO-113	7/22/2016	164.63	
MO-113	8/5/2016	164.23	
MO-113	8/19/2016	164.63	
MO-113	9/3/2016	165.29	
MO-LC0254	9/24/2015	167.23	
MO-LC0254	10/7/2015	167.18	
MO-LC0254	10/22/2015	166.42	
MO-LC0254	11/5/2015	167.13	
MO-LC0254	11/18/2015	167.84	
MO-LC0254	12/4/2015	167.59	
MO-LC0254	12/21/2015	166.72	
MO-LC0254	1/6/2016	167.69	
MO-LC0254	1/22/2016	168.31	
MO-LC0254	2/10/2016	171.98	
MO-LC0254	2/22/2016	170.32	
MO-LC0254	3/8/2016	172.12	
MO-LC0254	3/25/2016	171.69	
MO-LC0254	4/8/2016	172.43	
MO-LC0254	4/25/2016	168.07	
MO-LC0254	5/6/2016	168.73	
MO-LC0254	5/21/2016	169.29	
MO-LC0254	6/6/2016	172.47	
MO-LC0254	6/17/2016	170.87	
MO-LC0254	7/8/2016	172.73	
MO-LC0254	7/22/2016	170.69	
MO-LC0254	8/5/2016	169.91	
MO-LC0254	8/19/2016	170.06	
MO-LC0254	9/3/2016	168.51	



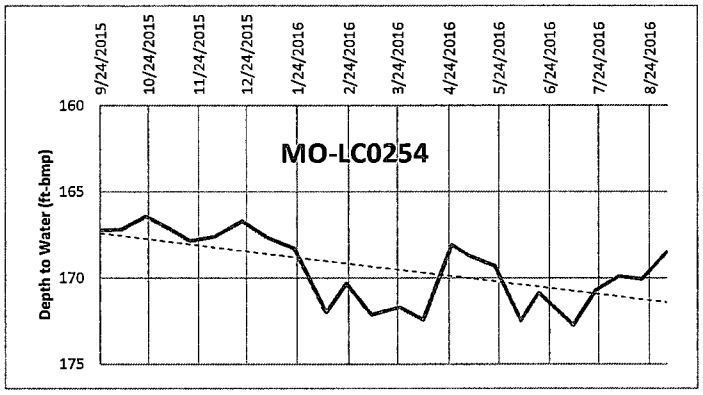
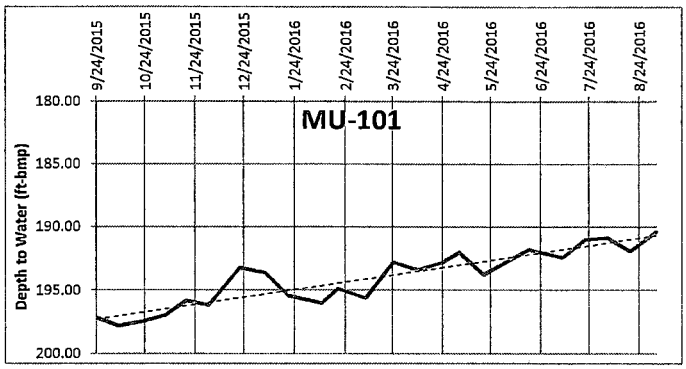
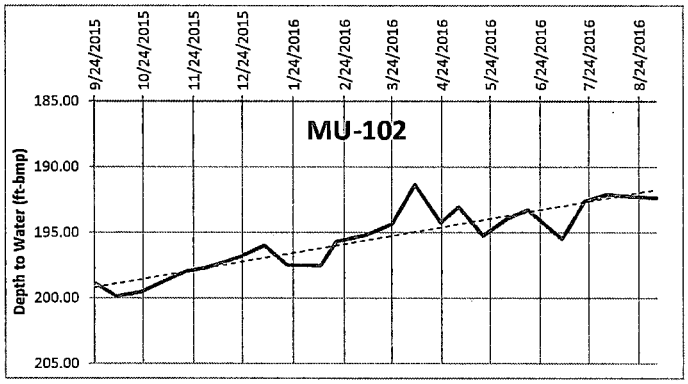


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MU-101	9/24/2015	197.16	
MU-101	10/7/2015	197.80	
MU-101	10/22/2015	197.47	
MU-101	11/5/2015	196.97	
MU-101	11/18/2015	195.83	
MU-101	12/2/2015	196.18	
MU-101	12/21/2015	193.23	
MU-101	1/6/2016	193.63	
MU-101	1/20/2016	195.43	
MU-101	2/9/2016	196.03	
MU-101	2/19/2016	194.86	
MU-101	3/7/2016	195.61	
MU-101	3/24/2016	192.80	
MU-101	4/8/2016	193.38	
MU-101	4/23/2016	192.83	
MU-101	5/4/2016	192.00	
MU-101	5/19/2016	193.76	
MU-101	6/2/2016	192.80	
MU-101	6/16/2016	191.79	
MU-101	7/7/2016	192.42	
MU-101	7/21/2016	191.00	
MU-101	8/4/2016	190.87	
MU-101	8/18/2016	191.90	
MU-101	9/3/2016	190.40	
MU-102	9/24/2015	198.90	
MU-102	10/7/2015	199.86	
MU-102	10/22/2015	199.53	
MU-102	11/5/2015	198.70	
MU-102	11/18/2015	197.97	
MU-102	12/2/2015	197.66	
MU-102	12/21/2015	196.88	
MU-102	1/6/2016	195.95	
MU-102	1/20/2016	197.47	
MU-102	2/9/2016	197.51	
MU-102	2/19/2016	195.68	
MU-102	3/7/2016	195.21	
MU-102	3/24/2016	194.30	
MU-102	4/7/2016	191.34	
MU-102	4/23/2016	194.24	
MU-102	5/4/2016	193.03	
MU-102	5/19/2016	195.22	
MU-102	6/3/2016	193.94	
MU-102	6/16/2016	193.26	
MU-102	7/7/2016	195.49	
MU-102	7/21/2016	192.60	
MU-102	8/4/2016	192.10	
MU-102	8/18/2016	192.23	
MU-102	9/3/2016	192.36	
MU-103	9/24/2015	195.22	
MU-103	10/7/2015	196.02	
MU-103	10/22/2015	195.73	
MU-103	11/5/2015	194.83	
MU-103	11/18/2015	194.41	
MU-103	12/3/2015	194.62	
MU-103	12/21/2015	191.02	
MU-103	1/6/2016	191.28	
MU-103	1/20/2016	193.21	
MU-103	2/9/2016	193.54	
MU-103	2/19/2016	191.69	
MU-103	3/7/2016	194.63	
MU-103	3/24/2016	190.32	
MU-103	4/7/2016	190.05	
MU-103	4/23/2016	189.80	
MU-103	5/4/2016	191.34	
MU-103	5/19/2016	191.30	
MU-103	6/3/2016	190.04	
MU-103	6/16/2016	189.09	
MU-103	7/7/2016	191.45	
MU-103	7/21/2016	189.20	
MU-103	8/4/2016	189.12	
MU-103	8/18/2016	187.70	
MU-103	9/3/2016	189.52	





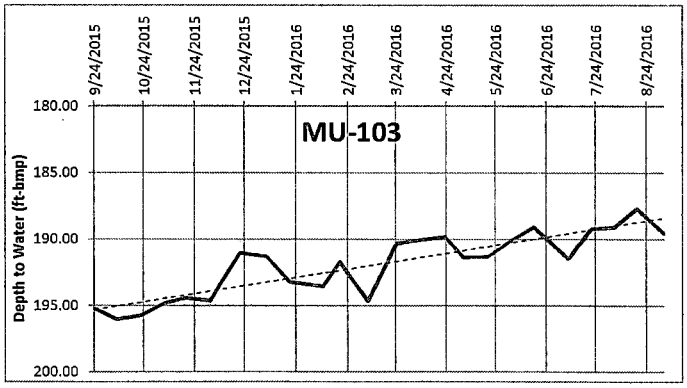
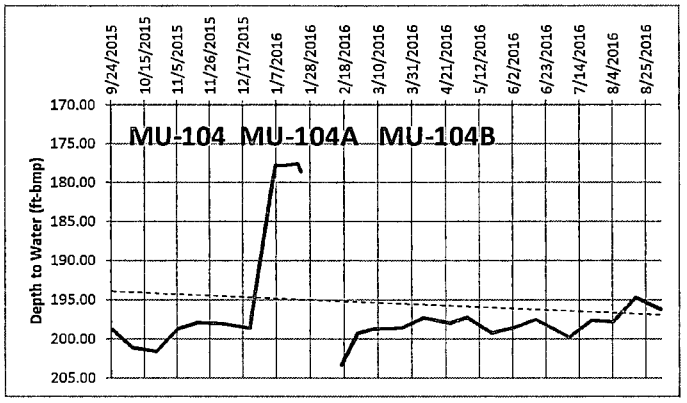
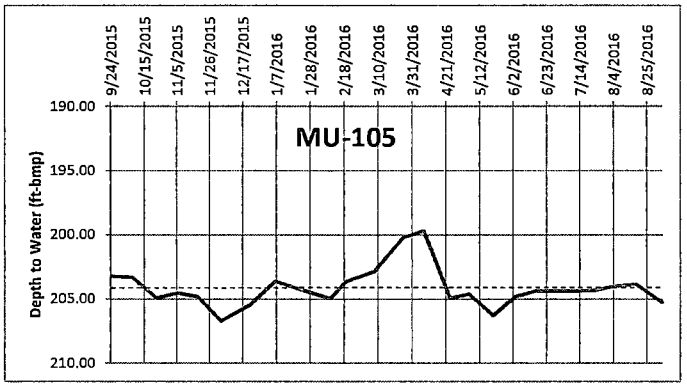


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MU-104	9/24/2015	198.77	
MU-104	10/7/2015	201.12	
MU-104	10/22/2015	201.57	
MU-104	11/5/2015	198.69	
MU-104	11/18/2015	197.89	
MU-104	12/3/2015	198.04	
MU-104	12/21/2015	198.62	
MU-104A	1/6/2016	177.77	
MU-104A	1/12/2016	177.78	
MU-104A	1/20/2016	177.58	
MU-104A	1/22/2016	178.62	
MU-104A	1/25/2016		Not measured
MU-104A	1/28/2016		Not measured
MU-104B	2/12/2016		Not measured
MU-104B	2/16/2016	203.28	
MU-104B	2/26/2016	199.23	
MU-104B	3/7/2016	198.69	
MU-104B	3/24/2016	198.61	
MU-104B	4/7/2016	197.32	
MU-104B	4/23/2016	197.95	
MU-104B	5/4/2016	197.25	
MU-104B	5/19/2016	199.21	
MU-104B	6/3/2016	198.50	
MU-104B	6/16/2016	197.50	
MU-104B	7/7/2016	199.77	
MU-104B	7/21/2016	197.61	
MU-104B	8/4/2016	197.77	
MU-104B	8/18/2016	194.73	
MU-104B	9/3/2016	196.26	
MU-105	9/24/2015	203.24	
MU-105	10/7/2015	203.31	
MU-105	10/22/2015	204.92	
MU-105	11/5/2015	204.53	
MU-105	11/18/2015	204.81	
MU-105	12/3/2015	206.72	
MU-105	12/21/2015	205.49	
MU-105	1/6/2016	203.65	
MU-105	1/25/2016	204.39	
MU-105	2/9/2016	204.95	
MU-105	2/19/2016	203.64	
MU-105	3/7/2016	202.89	
MU-105	3/25/2016	200.23	
MU-105	4/7/2016	199.71	
MU-105	4/23/2016	204.91	
MU-105	5/5/2016	204.61	
MU-105	5/20/2016	206.29	
MU-105	6/3/2016	204.82	
MU-105	6/16/2016	204.36	
MU-105	7/7/2016	204.35	
MU-105	7/22/2016	204.33	
MU-105	8/4/2016	204.00	
MU-105	8/18/2016	203.85	
MU-105	9/3/2016	205.26	
MU-106	9/24/2015	196.80	
MU-106	10/7/2015	197.86	
MU-106	10/22/2015	198.36	
MU-106	11/5/2015	198.00	
MU-106	11/18/2015	197.89	
MU-106	12/3/2015	198.41	
MU-106	12/21/2015	198.09	
MU-106	1/6/2016	203.69	
MU-106	1/22/2016	203.96	
MU-106	2/10/2016	198.37	
MU-106	2/22/2016	197.10	
MU-106	3/8/2016	198.22	
MU-106	3/25/2016	197.81	
MU-106	4/7/2016	195.62	
MU-106	4/23/2016	198.32	
MU-106	5/5/2016	198.22	
MU-106	5/20/2016	199.87	
MU-106	6/3/2016	198.89	
MU-106	6/16/2016	198.37	
MU-106	7/8/2016	199.36	
MU-106	7/22/2016	198.73	
MU-106	8/4/2016	198.30	
MU-106	8/18/2016	198.03	
MU-106	9/3/2016	198.62	





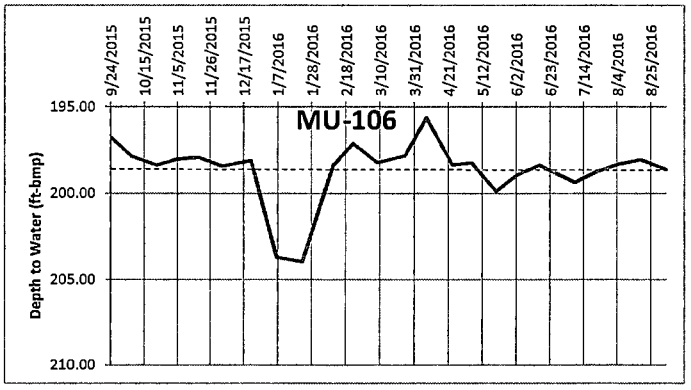


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
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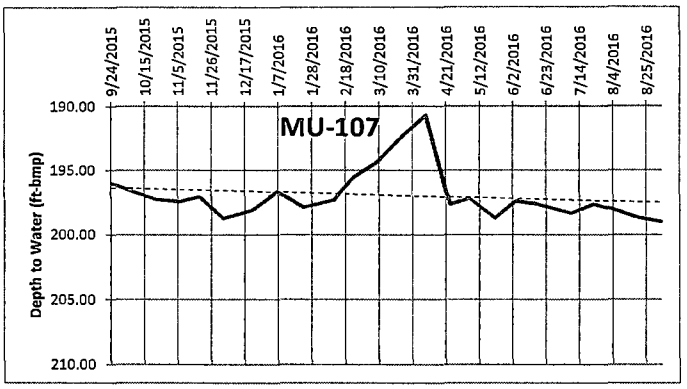
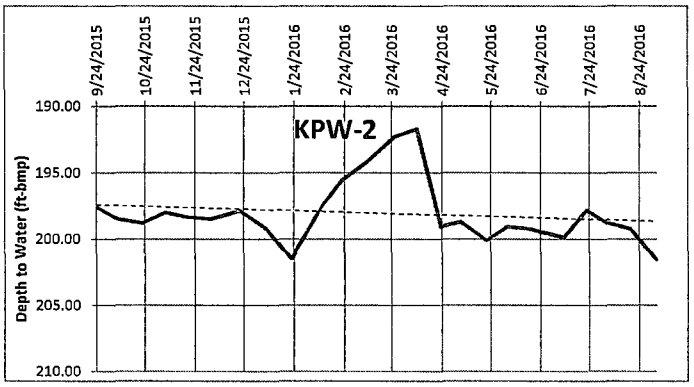
Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MU-107	9/24/2015	196.00	
MU-107	10/7/2015	196.60	
MU-107	10/22/2015	197.26	
MU-107	11/5/2015	197.42	
MU-107	11/18/2015	197.03	
MU-107	12/3/2015	198.72	
MU-107	12/21/2015	198.09	
MU-107	1/6/2016	196.67	
MU-107	1/22/2016	197.86	
MU-107	2/10/2016	197.33	
MU-107	2/22/2016	195.62	
MU-107	3/8/2016	194.38	
MU-107	3/25/2016	192.21	
MU-107	4/8/2016	190.69	
MU-107	4/23/2016	197.62	
MU-107	5/5/2016	197.19	
MU-107	5/21/2016	198.69	
MU-107	6/3/2016	197.40	
MU-107	6/16/2016	197.58	
MU-107	7/8/2016	198.32	
MU-107	7/22/2016	197.63	
MU-107	8/4/2016	198.03	
MU-107	8/18/2016	198.61	
MU-107	9/3/2016	198.99	
KPW-2	9/24/2015	197.59	
KPW-2	10/7/2015	198.50	
KPW-2	10/22/2015	198.78	
KPW-2	11/5/2015	197.98	
KPW-2	11/18/2015	198.33	
KPW-2	12/3/2015	198.49	
KPW-2	12/21/2015	197.85	
KPW-2	1/6/2016	199.16	
KPW-2	1/22/2016	201.49	
KPW-2	2/10/2016	197.47	
KPW-2	2/22/2016	195.56	
KPW-2	3/8/2016	194.19	
KPW-2	3/25/2016	192.29	
KPW-2	4/8/2016	191.69	
KPW-2	4/23/2016	199.04	
KPW-2	5/5/2016	198.69	
KPW-2	5/21/2016	200.10	
KPW-2	6/3/2016	199.07	
KPW-2	6/16/2016	199.20	
KPW-2	7/8/2016	199.86	
KPW-2	7/22/2016	197.81	
KPW-2	8/4/2016	198.80	
KPW-2	8/18/2016	199.21	
KPW-2	9/3/2016	201.52	
MU-109	9/22/2015	203.88	
MU-109	10/7/2015		Not measured
MU-109	10/14/2015	209.38	
MU-109	10/26/2015	216.56	
MU-109	11/5/2015	216.41	
MU-109	11/18/2015	204.12	
MU-109	12/3/2015	204.84	
MU-109	12/21/2015	203.91	
MU-109	1/6/2016	205.72	
MU-109	1/22/2016	206.32	
MU-109	2/10/2016	201.80	
MU-109	2/22/2016	199.16	
MU-109	3/8/2016	200.72	
MU-109	3/25/2016	199.36	
MU-109	4/8/2016	199.79	
MU-109	4/23/2016	203.98	
MU-109	5/5/2016	203.46	
MU-109	5/21/2016	202.69	
MU-109	6/3/2016	204.58	
MU-109	6/16/2016	204.28	
MU-109	7/8/2016	205.26	
MU-109	7/22/2016	204.98	
MU-109	8/4/2016	202.90	
MU-109	8/19/2016	203.12	
MU-109	9/3/2016	203.79	





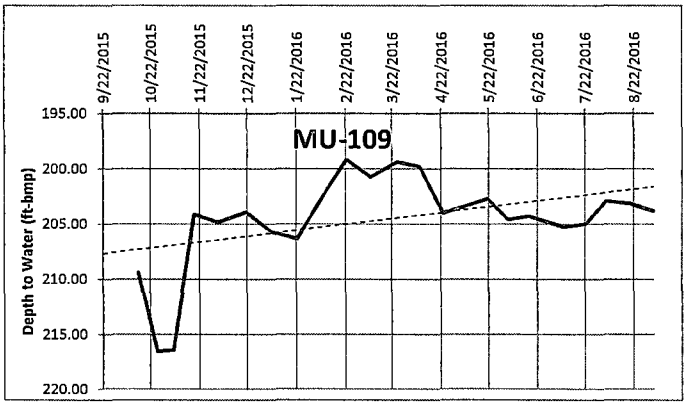
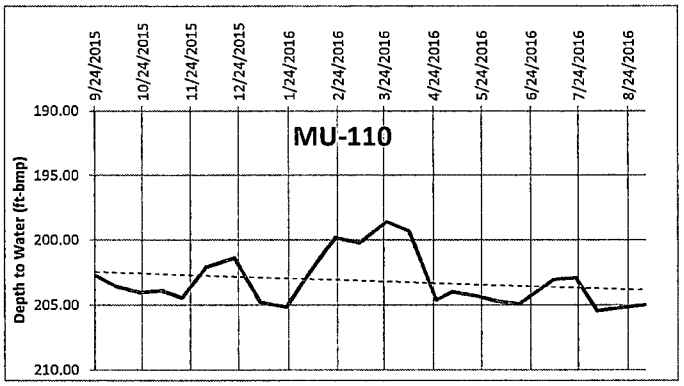
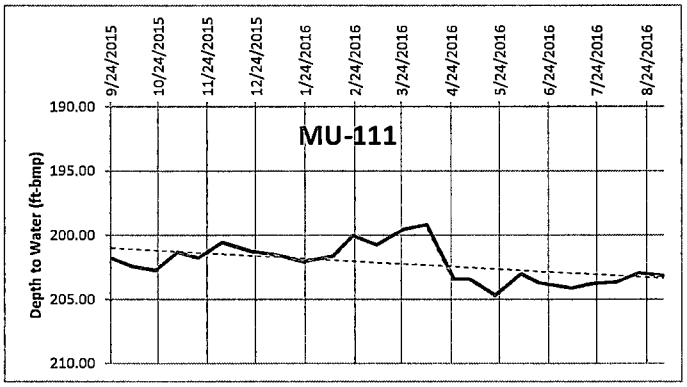


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MU-110	9/24/2015	202.73	
MU-110	10/7/2015	203.57	
MU-110	10/22/2015	204.02	
MU-110	11/5/2015	203.89	
MU-110	11/18/2015	204.43	
MU-110	12/3/2015	202.10	
MU-110	12/21/2015	201.38	
MU-110	1/6/2016	204.79	
MU-110	1/22/2016	205.16	
MU-110	2/10/2016	201.81	
MU-110	2/22/2016	199.82	
MU-110	3/8/2016	200.21	
MU-110	3/25/2016	198.59	
MU-110	4/8/2016	199.32	
MU-110	4/25/2016	204.61	
MU-110	5/5/2016	203.98	
MU-110	5/21/2016	204.32	
MU-110	6/3/2016	204.73	
MU-110	6/16/2016	204.91	
MU-110	7/8/2016	203.04	
MU-110	7/22/2016	202.91	
MU-110	8/4/2016	205.43	
MU-110	8/19/2016	205.21	
MU-110	9/3/2016	204.98	
MU-111	9/24/2015	201.77	
MU-111	10/7/2015	202.43	
MU-111	10/22/2015	202.72	
MU-111	11/5/2015	201.32	
MU-111	11/18/2015	201.76	
MU-111	12/3/2015	200.55	
MU-111	12/21/2015	201.26	
MU-111	1/6/2016	201.55	
MU-111	1/22/2016	202.04	
MU-111	2/10/2016	201.60	
MU-111	2/22/2016	200.03	
MU-111	3/8/2016	200.74	
MU-111	3/25/2016	199.51	
MU-111	4/8/2016	199.17	
MU-111	4/25/2016	203.41	
MU-111	5/5/2016	203.40	
MU-111	5/21/2016	204.67	
MU-111	6/6/2016	203.00	
MU-111	6/17/2016	203.68	
MU-111	7/8/2016	204.12	
MU-111	7/22/2016	203.74	
MU-111	8/5/2016	203.63	
MU-111	8/19/2016	202.94	
MU-111	9/3/2016	203.16	
MU-112	9/24/2015	202.68	
MU-112	10/7/2015	203.43	
MU-112	10/22/2015	203.95	
MU-112	11/5/2015	202.89	
MU-112	11/18/2015	202.31	
MU-112	12/3/2015	202.03	
MU-112	12/21/2015	201.79	
MU-112	1/6/2016	202.29	
MU-112	1/22/2016	202.89	
MU-112	2/10/2016	202.13	
MU-112	2/22/2016	200.86	
MU-112	3/8/2016	201.19	
MU-112	3/25/2016	199.86	
MU-112	4/8/2016	200.21	
MU-112	4/25/2016	203.60	
MU-112	5/5/2016	203.32	
MU-112	5/21/2016	202.91	
MU-112	6/6/2016	204.18	
MU-112	6/17/2016	204.70	
MU-112	7/8/2016	204.83	
MU-112	7/22/2016	202.96	
MU-112	8/5/2016	203.41	
MU-112	8/19/2016	203.71	
MU-112	9/3/2016	204.06	





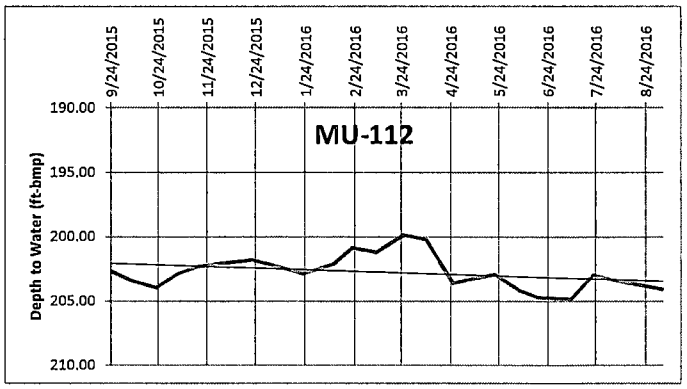


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
MU-113	9/24/2015	190.41	
MU-113	10/7/2015	192.10	
MU-113	10/22/2015	192.20	
MU-113	11/5/2015	191.99	
MU-113	11/18/2015	192.37	
MU-113	12/4/2015	189.90	
MU-113	12/21/2015	189.24	
MU-113	1/6/2016	192.32	
MU-113	1/22/2016	193.06	
MU-113	2/10/2016	190.72	
MU-113	2/22/2016	189.16	
MU-113	3/8/2016	190.71	
MU-113	3/25/2016	190.21	
MU-113	4/8/2016	191.29	
MU-113	4/25/2016	192.96	
MU-113	5/6/2016	193.14	
MU-113	5/21/2016	194.71	
MU-113	6/6/2016	193.41	
MU-113	6/17/2016	193.90	
MU-113	7/8/2016	193.86	
MU-113	7/22/2016	193.22	
MU-113	8/5/2016	192.98	
MU-113	8/19/2016	193.41	
MU-113	9/3/2016	193.62	

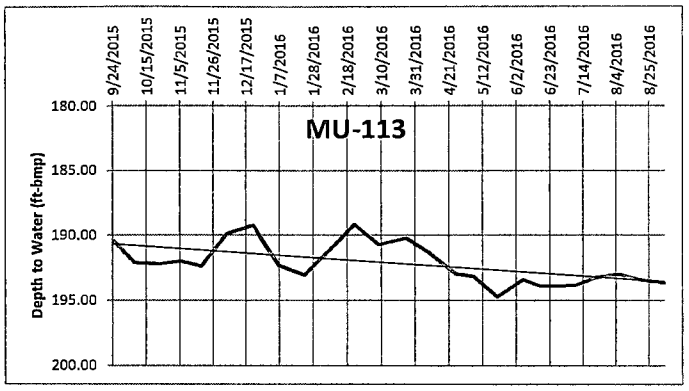
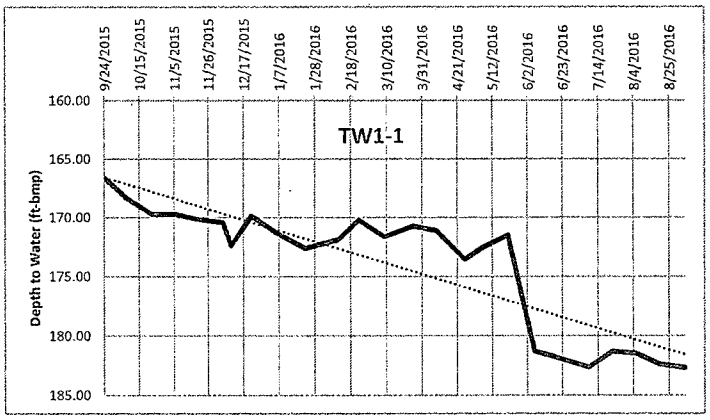


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

Well ID	Measure Date	Depth to Water (ft-bmp)	Comments
TW1-1	9/24/2015	166.67	
TW1-1	10/7/2015	168.31	
TW1-1	10/22/2015	169.72	
TW1-1	11/5/2015	169.72	
TW1-1	11/18/2015	170.14	
TW1-1	12/4/2015	170.41	
TW1-1	12/9/2015	172.38	
TW1-1	12/21/2015	169.86	
TW1-1	1/6/2016	171.39	
TW1-1	1/22/2016	172.62	
TW1-1	2/10/2016	171.89	
TW1-1	2/22/2016	170.21	
TW1-1	3/8/2016	171.63	
TW1-1	3/25/2016	170.73	
TW1-1	4/8/2016	171.10	
TW1-1	4/25/2016	173.52	
TW1-1	5/6/2016	172.53	
TW1-1	5/21/2016	171.49	
TW1-1	6/6/2016	181.30	
TW1-1	6/17/2016	181.73	
TW1-1	7/8/2016	182.64	
TW1-1	7/22/2016	181.31	
TW1-1	8/5/2016	181.46	
TW1-1	8/19/2016	182.36	
TW1-1	9/3/2016	182.69	
OW1-1	9/24/2015	190.63	
OW1-1	10/7/2015	190.31	
OW1-1	10/22/2015	190.86	
OW1-1	11/5/2015	190.49	
OW1-1	11/18/2015	190.73	
OW1-1	12/4/2015	190.69	
OW1-1	12/21/2015	190.31	
OW1-1	1/6/2016	190.78	
OW1-1	1/22/2016	190.81	
OW1-1	2/10/2016	190.64	
OW1-1	2/22/2016	190.29	
OW1-1	3/8/2016	190.43	
OW1-1	3/25/2016	190.19	
OW1-1	4/8/2016	190.26	
OW1-1	4/25/2016	192.97	
OW1-1	5/6/2016	191.49	
OW1-1	5/21/2016	190.81	
OW1-1	6/6/2016	193.85	
OW1-1	6/17/2016	194.66	
OW1-1	7/8/2016	192.67	
OW1-1	7/22/2016	190.45	
OW1-1	8/5/2016	190.29	
OW1-1	8/19/2016	190.73	
OW1-1	9/3/2016	193.41	



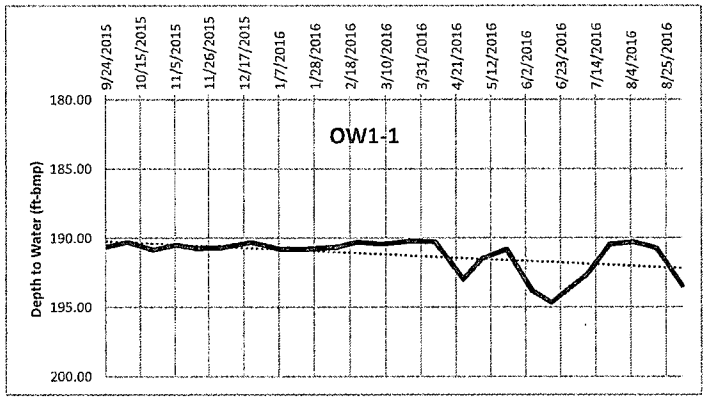


Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
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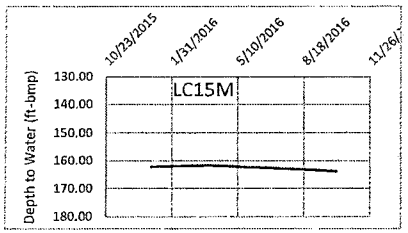
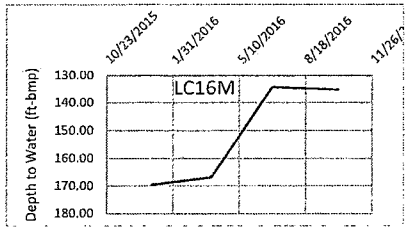
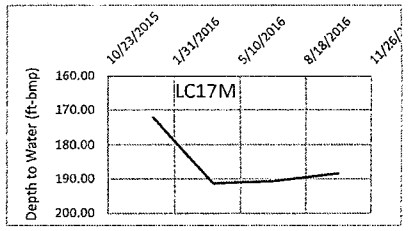
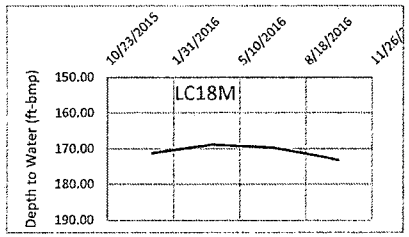
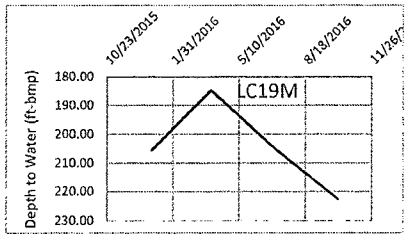
Well ID	Measure Date	Depth to Water (ft-bmp)
LC15M	12/30/2015	162.03
LC15M	3/29/2016	161.62
LC15M	6/29/2016	162.48
LC15M	10/6/2016	163.77
LC16M	12/30/2015	169.48
LC16M	3/29/2016	166.85
LC16M	6/29/2016	134.23
LC16M	10/6/2016	135.19
LC17M	12/30/2015	171.97
LC17M	3/29/2016	191.21
LC17M	6/29/2016	190.52
LC17M	10/6/2016	188.30
LC18M	12/30/2015	171.05
LC18M	3/29/2016	168.73
LC18M	6/29/2016	169.63
LC18M	10/6/2016	173.03
LC19M	12/30/2015	205.36
LC19M	3/29/2016	184.68
LC19M	6/29/2016	204.02
LC19M	10/6/2016	222.49
LC20M	12/30/2015	208.16
LC20M	3/29/2016	206.27
LC20M	6/29/2016	204.90
LC20M	10/6/2016	201.72
LC21M	12/30/2015	198.97
LC21M	3/29/2016	199.03
LC21M	6/29/2016	199.17
LC21M	10/6/2016	199.18
LC22MA	12/30/2015	212.00
LC22MA	3/29/2016	211.00
LC22MA	6/29/2016	212.22
LC22MA	10/6/2016	210.00
LC23M	12/30/2015	223.13
LC23M	3/29/2016	222.68
LC23M	6/29/2016	222.41
LC23M	10/6/2016	223.20

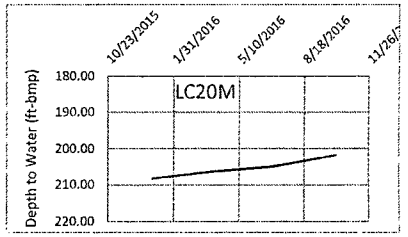


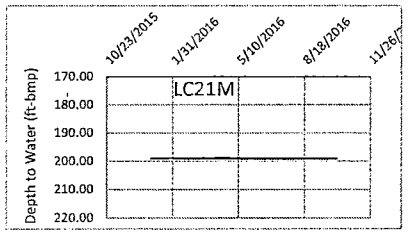


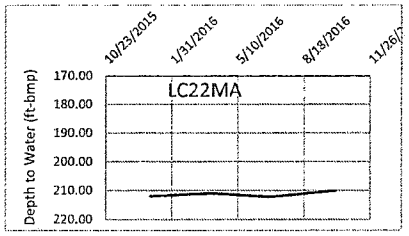












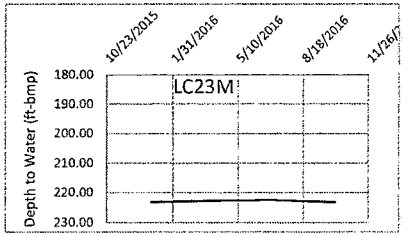
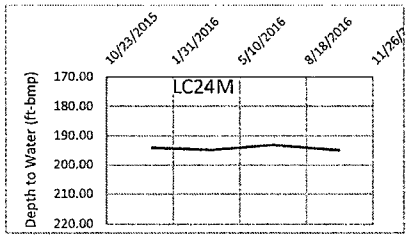
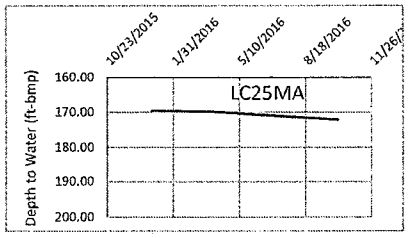
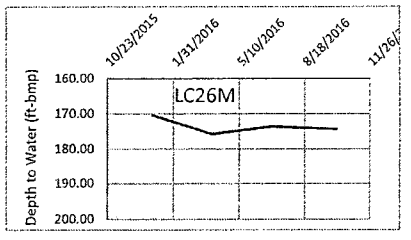


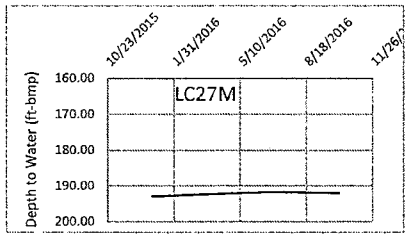
Table 3.9-2: Groundwa[redacted]el Measurements
2016 Annual Report
Lost Creek Project PT788

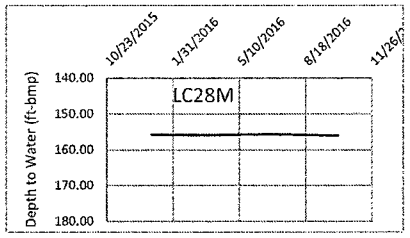
Well ID	Measure Date	Depth to Water (ft-bmp)
LC24M	12/30/2015	193.96
LC24M	3/29/2016	194.69
LC24M	6/29/2016	193.03
LC24M	10/6/2016	194.79
LC25MA	12/30/2015	169.41
LC25MA	3/29/2016	169.76
LC25MA	6/29/2016	170.90
LC25MA	10/6/2016	172.03
LC26M	12/30/2015	170.32
LC26M	3/29/2016	175.70
LC26M	6/29/2016	173.53
LC26M	10/6/2016	174.27
LC27M	12/30/2015	192.95
LC27M	3/28/2016	192.27
LC27M	6/29/2016	191.70
LC27M	10/6/2016	192.00
LC28M	12/30/2015	155.58
LC28M	3/28/2016	155.76
LC28M	6/29/2016	155.48
LC28M	10/6/2016	155.97
LC29M	12/30/2015	158.82
LC29M	3/28/2016	159.17
LC29M	6/29/2016	157.70
LC29M	10/6/2016	158.10
LC30M	12/30/2015	199.92
LC30M	3/28/2016	200.03
LC30M	6/29/2016	200.00
LC30M	10/6/2016	199.98
LC31M	12/29/2015	144.00
LC31M	3/28/2016	144.68
LC31M	6/29/2016	143.55
LC31M	10/6/2016	144.80
MB-01	12/29/2015	235.94
MB-01	3/28/2016	235.43
MB-01	6/29/2016	239.58
MB-01	10/6/2016	239.13

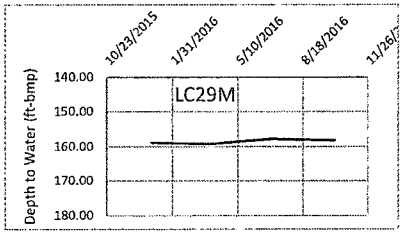


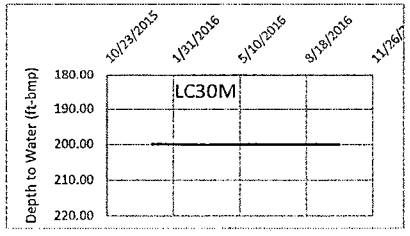


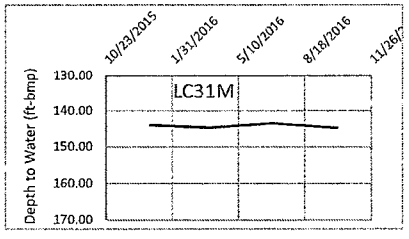












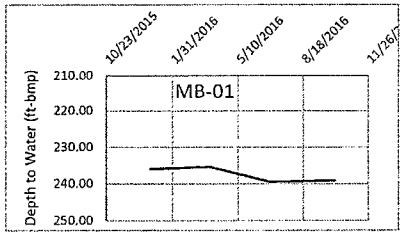
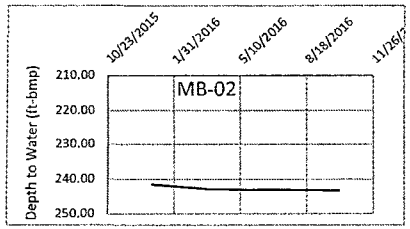
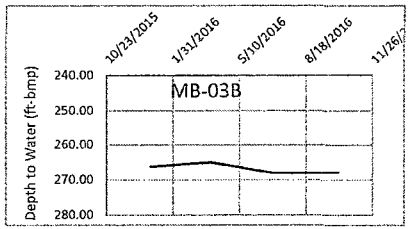
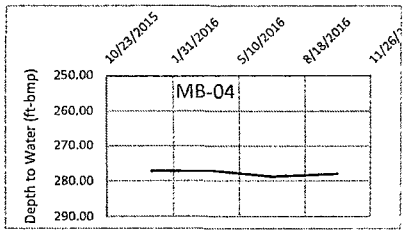


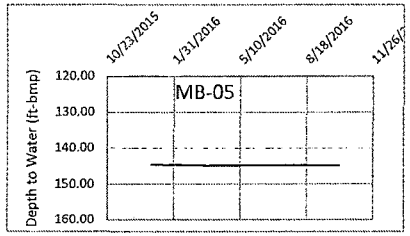
Table 3.9-2: Groundwater Level Measurements
2016 Annual Report
Lost Creek Project PT788

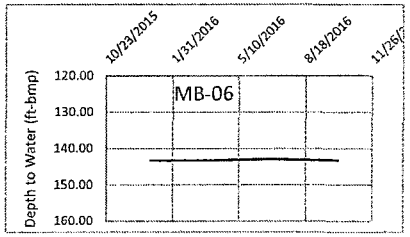
Well ID	Measure Date	Depth to Water (ft-bmp)
MB-02	12/29/2015	241.52
MB-02	3/28/2016	242.93
MB-02	6/29/2016	243.11
MB-02	10/6/2016	243.26
MB-03B	12/29/2015	266.26
MB-03B	3/28/2016	265.01
MB-03B	6/29/2016	268.10
MB-03B	10/6/2016	268.00
MB-04	12/29/2015	276.99
MB-04	3/28/2016	277.03
MB-04	6/29/2016	278.70
MB-04	10/6/2016	278.00
MB-05	12/29/2015	144.62
MB-05	3/28/2016	144.87
MB-05	6/29/2016	144.82
MB-05	10/6/2016	144.85
MB-06	12/29/2015	143.30
MB-06	3/28/2016	143.33
MB-06	6/29/2016	142.90
MB-06	10/6/2016	143.40
MB-07	12/29/2015	163.88
MB-07	3/28/2016	164.21
MB-07	6/29/2016	127.50
MB-07	10/6/2016	122.90
MB-08	12/29/2015	172.60
MB-08	3/28/2016	172.08
MB-08	6/29/2016	172.51
MB-08	10/6/2016	172.96
MB-09	12/29/2015	185.57
MB-09	3/28/2016	185.20
MB-09	6/29/2016	183.92
MB-09	10/6/2016	184.08
MB-10	12/29/2015	171.69
MB-10	3/28/2016	169.30
MB-10	6/29/2016	169.00
MB-10	10/6/2016	171.40

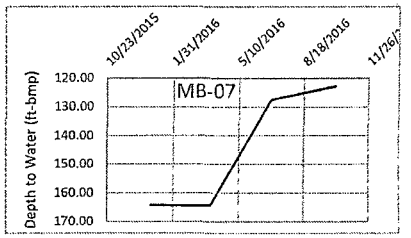


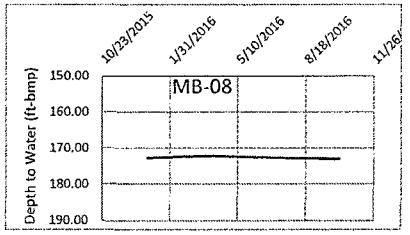


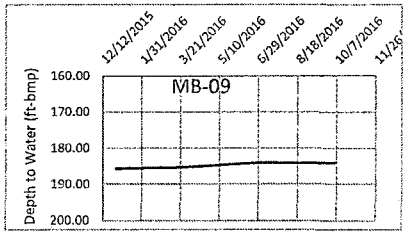












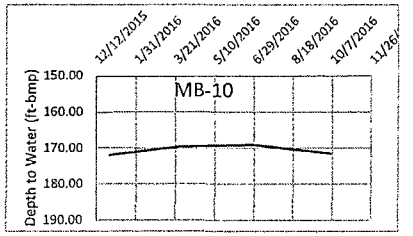


Table 4.2-1: Well Plugging and Abandonment
2016 Annual Report
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	WELL NAME	DRILL, CASING, OR COMPLETION DATE	P&A DATE	P&A METHOD	P&A MATERIAL	DRILLED TD	P&A FROM (ft)	SLURRY WEIGHT (lbs/gal)	SLURRY VOLUME (bbls)	EASTING (NAD83 ft)	NORTHING (NAD83 ft)	GROUND ELEVATION (ft-msl)	TWP	RNG	SEC	QTR-QTR	COMMENTS
1	M-HJ227	7/24/2015	9/24/2015	Hose-Reel	Cement	485	485	13.5	13	2208518.10	594499.99	6935.19	25	92	19	NENW	
2	MU-104	8/10/2007	1/5/2016	Drillpipe	Cement	855	643	13.5	16	2212006.07	595492.63	6936.64	25	92	20	NWNW	
3	MU-104A	1/8/2016	1/29/2016	Drillpipe	Cement	585	570	13.5	15	2212008.65	595463.96	6936.98	25	92	20	NWNW	

P&A: Plugging and Abandonment
TD: Total Depth

Table 5.2-1: Drill Hole Summary
2016 Annual Report
Lost Creek ISR Project PT788

Hole ID	Type	Drill Date	Drilled Depth (ft-bgs)	Easting NAD83 (ft)	Northing NAD83 (ft)	Ground Elevation (ft-msl)	Twp	Rng	Sec	Qtr-Qtr	Comments
No drilling occurred											

Table 5.2-2: Drill Holes Plugged and Abandoned
2016 Annual Report
Lost Creek ISR Project PT788

HOLE ID	DRILL DATE	P&A DATE	TWP	RNG	SEC	QTR-QTR	EASTING (NAD83 ft)	NORTHING (NAD83 ft)	COUNTY	DRILLED TD (ft-bgs)	HOW SURFACE CAPPED	P&A METHOD	P&A MATERIAL	P&A TO (ft-bgs)	COMMENTS
D51	1/1/1973	10/8/2015	25	92	17	SESE	2210455.81	592914.97	Sweetwater	560	Plug and cement	Drillpipe	BH20	0	Historic hole
LC1302	9/4/2015	9/21/2015	25	92	19	NENW	2208849.41	595160.09	Sweetwater	500	Plug and cement	Hose-Reel	BH20	0	
LC1308	9/10/2015	9/21/2015	25	92	19	NENW	2208395.54	595594.12	Sweetwater	650	Plug and cement	Hose-Reel	BH20	0	
LC1310	9/10/2015	9/21/2015	25	92	19	NENW	2208197.85	595692.70	Sweetwater	650	Plug and cement	Hose-Reel	BH20	0	
LC1312	9/2/2015	9/28/2015	25	92	18	SESW	2208297.66	595693.66	Sweetwater	650	Plug and cement	Drillpipe	BH20	0	
LC1317	9/2/2015	9/28/2015	25	92	18	SESW	2208099.85	595694.16	Sweetwater	650	Plug and cement	Drillpipe	BH20	0	
LC1320	9/9/2015	9/21/2015	25	92	19	NENW	2208594.89	595588.98	Sweetwater	650	Plug and cement	Hose-Reel	BH20	0	

APPENDIX A: Water Quality Data
2016 Annual Report
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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
BLM 4451	Public Well	Q	8/29/2016	Uranium	0.784	mg/L	Energy Lab	C16081157-001	9/2/16 20:47	E200.8	METALS - DISSOLVED
BLM 4451	Public Well	Q	8/29/2016	Uranium	ND	mg/L	Energy Lab	C16081157-001	9/27/16 7:58	E200.8	METALS - SUSPENDED
BLM 4451	Public Well	Q	8/29/2016	Radium 226	7.9	pCi/L	Energy Lab	C16081157-001	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4451	Public Well	Q	8/29/2016	Radium 226 precision (±)	1.6	pCi/L	Energy Lab	C16081157-001	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4451	Public Well	Q	8/29/2016	Radium 226 MDC	0.11	pCi/L	Energy Lab	C16081157-001	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4451	Public Well	Q	8/29/2016	Radium 226	0.33	pCi/L	Energy Lab	C16081157-001	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4451	Public Well	Q	8/29/2016	Radium 226 precision (±)	0.29	pCi/L	Energy Lab	C16081157-001	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4451	Public Well	Q	8/29/2016	Radium 226 MDC	0.48	pCi/L	Energy Lab	C16081157-001	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4451	Public Well	Q	5/24/2016	Uranium	0.838	mg/L	Energy Lab	C16050763-001	5/27/16 22:28	E200.8	METALS - DISSOLVED
BLM 4451	Public Well	Q	5/24/2016	Uranium	ND	mg/L	Energy Lab	C16050763-001	6/4/16 16:51	E200.8	METALS - SUSPENDED
BLM 4451	Public Well	Q	5/24/2016	Radium 226	9.6	pCi/L	Energy Lab	C16050763-001	6/1/16 6:47	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4451	Public Well	Q	5/24/2016	Radium 226 precision (±)	1.9	pCi/L	Energy Lab	C16050763-001	6/1/16 6:47	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4451	Public Well	Q	5/24/2016	Radium 226 MDC	0.2	pCi/L	Energy Lab	C16050763-001	6/1/16 6:47	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4451	Public Well	Q	5/24/2016	Radium 226	0.0002	pCi/L	Energy Lab	C16050763-001	6/13/16 14:45	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4451	Public Well	Q	5/24/2016	Radium 226 precision (±)	0.0003	pCi/L	Energy Lab	C16050763-001	6/13/16 14:45	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4451	Public Well	Q	5/24/2016	Radium 226 MDC	0.0005	pCi/L	Energy Lab	C16050763-001	6/13/16 14:45	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4775	Public Well	Q	8/29/2016	Uranium	0.0468	mg/L	Energy Lab	C16081157-002	9/7/16 18:46	E200.8	METALS - DISSOLVED
BLM 4775	Public Well	Q	8/29/2016	Uranium	ND	mg/L	Energy Lab	C16081157-002	9/27/16 8:29	E200.8	METALS - SUSPENDED
BLM 4775	Public Well	Q	8/29/2016	Radium 226	2.4	pCi/L	Energy Lab	C16081157-002	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4775	Public Well	Q	8/29/2016	Radium 226 precision (±)	0.53	pCi/L	Energy Lab	C16081157-002	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4775	Public Well	Q	8/29/2016	Radium 226 MDC	0.12	pCi/L	Energy Lab	C16081157-002	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4775	Public Well	Q	8/29/2016	Radium 226	0.36	pCi/L	Energy Lab	C16081157-002	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4775	Public Well	Q	8/29/2016	Radium 226 precision (±)	0.31	pCi/L	Energy Lab	C16081157-002	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4775	Public Well	Q	8/29/2016	Radium 226 MDC	0.42	pCi/L	Energy Lab	C16081157-002	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4775	Public Well	Q	5/24/2016	Uranium	0.0307	mg/L	Energy Lab	C16050763-002	5/27/16 22:34	E200.8	METALS - DISSOLVED
BLM 4775	Public Well	Q	5/24/2016	Uranium	ND	mg/L	Energy Lab	C16050763-002	6/4/16 16:57	E200.8	METALS - SUSPENDED
BLM 4775	Public Well	Q	5/24/2016	Radium 226	3	pCi/L	Energy Lab	C16050763-002	6/1/16 6:47	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4775	Public Well	Q	5/24/2016	Radium 226 precision (±)	0.65	pCi/L	Energy Lab	C16050763-002	6/1/16 6:47	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4775	Public Well	Q	5/24/2016	Radium 226 MDC	0.2	pCi/L	Energy Lab	C16050763-002	6/1/16 6:47	E903.0	RADIONUCLIDES - DISSOLVED
BLM 4775	Public Well	Q	5/24/2016	Radium 226	0.0001	pCi/L	Energy Lab	C16050763-002	6/13/16 14:45	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4775	Public Well	Q	5/24/2016	Radium 226 precision (±)	0.0003	pCi/L	Energy Lab	C16050763-002	6/13/16 14:45	E903.0	RADIONUCLIDES - SUSPENDED
BLM 4775	Public Well	Q	5/24/2016	Radium 226 MDC	0.0004	pCi/L	Energy Lab	C16050763-002	6/13/16 14:45	E903.0	RADIONUCLIDES - SUSPENDED
BLM EEN	Public Well	Q	8/29/2016	Uranium	0.161	mg/L	Energy Lab	C16081157-003	9/2/16 20:52	E200.8	METALS - DISSOLVED
BLM EEN	Public Well	Q	8/29/2016	Uranium	ND	mg/L	Energy Lab	C16081157-003	9/27/16 8:36	E200.8	METALS - SUSPENDED
BLM EEN	Public Well	Q	8/29/2016	Radium 226	1.2	pCi/L	Energy Lab	C16081157-003	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM EEN	Public Well	Q	8/29/2016	Radium 226 precision (±)	0.3	pCi/L	Energy Lab	C16081157-003	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM EEN	Public Well	Q	8/29/2016	Radium 226 MDC	0.12	pCi/L	Energy Lab	C16081157-003	9/12/16 11:45	E903.0	RADIONUCLIDES - DISSOLVED
BLM EEN	Public Well	Q	8/29/2016	Radium 226	0.15	pCi/L	Energy Lab	C16081157-003	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM EEN	Public Well	Q	8/29/2016	Radium 226 precision (±)	0.3	pCi/L	Energy Lab	C16081157-003	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
BLM EEN	Public Well	Q	8/29/2016	Radium 226 MDC	0.5	pCi/L	Energy Lab	C16081157-003	9/30/16 7:04	E903.0	RADIONUCLIDES - SUSPENDED
DDW-Injectate	Class I Injection	Q	9/8/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16090307-001	9/15/16 20:12	A2320 B	MAJOR IONS
DDW-Injectate	Class I Injection	Q	9/8/2016	Bicarbonate as HCO3	321	mg/L	Energy Lab	C16090307-001	9/15/16 20:12	A2320 B	MAJOR IONS
DDW-Injectate	Class I Injection	Q	9/8/2016	Chloride	23200	mg/L	Energy Lab	C16090307-001	9/13/16 15:45	E300.0	MAJOR IONS
DDW-Injectate	Class I Injection	Q	9/8/2016	Sulfate	1190	mg/L	Energy Lab	C16090307-001	9/13/16 15:45	E300.0	MAJOR IONS
DDW-Injectate	Class I Injection	Q	9/8/2016	Sulfide	ND	mg/L	Energy Lab	C16090307-001	9/15/16 9:08	A4500-S F	NON-METALS
DDW-Injectate	Class I Injection	Q	9/8/2016	Specific Gravity 60/60F	1.03	unitless	Energy Lab	C16090307-001	9/15/16 12:31	Gravimetric	PHYSICAL PROPERTIES

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
DDW-Injectate	Class I Injection	Q	9/8/2016	Conductivity @ 25 C	61300	umhos/cm	Energy Lab	C16090307-001	9/12/16 15:23	A2510 B	PHYSICAL PROPERTIES
DDW-Injectate	Class I Injection	Q	9/8/2016	pH	6.03	s.u.	Energy Lab	C16090307-001	9/12/16 15:23	A4500-H B	PHYSICAL PROPERTIES
DDW-Injectate	Class I Injection	Q	9/8/2016	Solids, Total Dissolved TDS @ 180 C	37300	mg/L	Energy Lab	C16090307-001	9/13/16 11:44	A2540 C	PHYSICAL PROPERTIES
DDW-Injectate	Class I Injection	Q	9/8/2016	Arsenic	0.049	mg/L	Energy Lab	C16090307-001	9/14/16 17:01	E200.8	METALS, TOTAL
DDW-Injectate	Class I Injection	Q	9/8/2016	Selenium	0.796	mg/L	Energy Lab	C16090307-001	9/14/16 17:01	E200.8	METALS, TOTAL
DDW-Injectate	Class I Injection	Q	9/8/2016	Uranium	18.1	mg/L	Energy Lab	C16090307-001	9/14/16 17:01	E200.8	METALS, TOTAL
DDW-Injectate	Class I Injection	Q	9/8/2016	Vanadium	0.05	mg/L	Energy Lab	C16090307-001	9/14/16 17:01	E200.8	METALS, TOTAL
DDW-Injectate	Class I Injection	Q	9/8/2016	Radium 226	5300	pCi/L	Energy Lab	C16090307-001	9/25/16 10:43	E903.0	RADIONUCLIDES - TOTAL
DDW-Injectate	Class I Injection	Q	9/8/2016	Radium 226 precision (±)	992	pCi/L	Energy Lab	C16090307-001	9/25/16 10:43	E903.0	RADIONUCLIDES - TOTAL
DDW-Injectate	Class I Injection	Q	9/8/2016	Radium 226 MDC	0.21	pCi/L	Energy Lab	C16090307-001	9/25/16 10:43	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	9/22/2015	Alkalinity, Total as CaCO3	229	mg/L	Energy Lab	C15090757-001	9/23/15 17:46	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	9/22/2015	Carbonate as CO3	ND	mg/L	Energy Lab	C15090757-001	9/23/15 17:46	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	9/22/2015	Bicarbonate as HCO3	279	mg/L	Energy Lab	C15090757-001	9/23/15 17:46	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	9/22/2015	Chloride	16500	mg/L	Energy Lab	C15090757-001	9/23/15 21:01	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	9/22/2015	Sulfate	586	mg/L	Energy Lab	C15090757-001	9/23/15 21:01	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	9/22/2015	Sulfide	ND	mg/L	Energy Lab	C15090757-001	9/25/15 16:15	A4500-S F	NON-METALS
DW-Injectate	Class I Injection	Q	9/22/2015	Specific Gravity 60/60F	1.017	unitless	Energy Lab	C15090757-001	9/24/15 14:10	D1429	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	9/22/2015	Solids, Total Dissolved TDS @ 180 C	25300	mg/L	Energy Lab	C15090757-001	9/24/15 9:05	A2540 C	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	9/22/2015	Arsenic	ND	mg/L	Energy Lab	C15090757-001	9/28/15 22:42	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	9/22/2015	Selenium	0.18	mg/L	Energy Lab	C15090757-001	9/28/15 22:42	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	9/22/2015	Uranium	10.6	mg/L	Energy Lab	C15090757-001	9/28/15 22:42	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	9/22/2015	Vanadium	ND	mg/L	Energy Lab	C15090757-001	10/2/15 14:33	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	9/22/2015	Radium 226	3320	pCi/L	Energy Lab	C15090757-001	10/5/15 12:31	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	9/22/2015	Radium 226 precision (±)	622	pCi/L	Energy Lab	C15090757-001	10/5/15 12:31	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	9/22/2015	Radium 226 MDC	0.12	pCi/L	Energy Lab	C15090757-001	10/5/15 12:31	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	5/12/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16050480-001	5/17/16 23:34	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	5/12/2016	Bicarbonate as HCO3	296	mg/L	Energy Lab	C16050480-001	5/17/16 23:34	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	5/12/2016	Chloride	35000	mg/L	Energy Lab	C16050480-001	5/18/16 20:17	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	5/12/2016	Sulfate	1400	mg/L	Energy Lab	C16050480-001	5/18/16 20:17	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	5/12/2016	Sulfide	ND	mg/L	Energy Lab	C16050480-001	5/17/16 11:46	A4500-S F	NON-METALS
DW-Injectate	Class I Injection	Q	5/12/2016	Conductivity @ 25 C	70700	umhos/cm	Energy Lab	C16050480-001	5/18/16 12:47	A2510 B	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	5/12/2016	pH	6.89	s.u.	Energy Lab	C16050480-001	5/18/16 12:47	A4500-H B	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	5/12/2016	Solids, Total Dissolved TDS @ 180 C	49900	mg/L	Energy Lab	C16050480-001	5/16/16 11:44	A2540 C	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	5/12/2016	Specific Gravity 60/60F	1.033	unitless	Energy Lab	C16050480-001	5/24/16 12:56	Calculation	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	5/12/2016	Arsenic	0.052	mg/L	Energy Lab	C16050480-001	5/23/16 19:16	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	5/12/2016	Selenium	0.602	mg/L	Energy Lab	C16050480-001	5/23/16 19:16	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	5/12/2016	Uranium	16.9	mg/L	Energy Lab	C16050480-001	5/23/16 19:16	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	5/12/2016	Vanadium	0.03	mg/L	Energy Lab	C16050480-001	5/23/16 19:16	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	5/12/2016	Radium 226	2530	pCi/L	Energy Lab	C16050480-001	5/24/16 7:08	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	5/12/2016	Radium 226 precision (±)	474	pCi/L	Energy Lab	C16050480-001	5/24/16 7:08	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	5/12/2016	Radium 226 MDC	0.23	pCi/L	Energy Lab	C16050480-001	5/24/16 7:08	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	2/25/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16020722-001	2/29/16 19:43	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	2/25/2016	Bicarbonate as HCO3	367	mg/L	Energy Lab	C16020722-001	2/29/16 19:43	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	2/25/2016	Chloride	22300	mg/L	Energy Lab	C16020722-001	2/27/16 6:19	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	2/25/2016	Sulfate	1020	mg/L	Energy Lab	C16020722-001	2/27/16 6:19	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	2/25/2016	Sulfide	ND	mg/L	Energy Lab	C16020722-001	2/28/16 17:03	A4500-S F	NON-METALS

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
DW-Injectate	Class I Injection	Q	2/25/2016	Sulfide as Hydrogen Sulfide (H2S)	ND	mg/L	Energy Lab	C16020722-001	2/28/16 17:03	A4500-S F	NON-METALS
DW-Injectate	Class I Injection	Q	2/25/2016	Specific Gravity 60/60F	1.023	unitless	Energy Lab	C16020722-001	2/29/16 14:45	D1429	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	2/25/2016	Conductivity @ 25 C	50400	umhos/cm	Energy Lab	C16020722-001	2/26/16 14:45	A2510 B	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	2/25/2016	pH	6.72	s.u.	Energy Lab	C16020722-001	2/26/16 14:45	A4500-H B	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	2/25/2016	Solids, Total Dissolved TDS @ 180 C	31600	mg/L	Energy Lab	C16020722-001	2/26/16 15:27	A2540 C	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	2/25/2016	Arsenic	0.039	mg/L	Energy Lab	C16020722-001	3/3/16 0:11	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	2/25/2016	Selenium	0.365	mg/L	Energy Lab	C16020722-001	3/3/16 0:11	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	2/25/2016	Uranium	24.8	mg/L	Energy Lab	C16020722-001	3/3/16 0:11	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	2/25/2016	Vanadium	0.03	mg/L	Energy Lab	C16020722-001	3/3/16 0:11	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	2/25/2016	Radium 226	2970	pCi/L	Energy Lab	C16020722-001	3/10/16 11:46	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	2/25/2016	Radium 226 precision (±)	556	pCi/L	Energy Lab	C16020722-001	3/10/16 11:46	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	2/25/2016	Radium 226 MDC	0.17	pCi/L	Energy Lab	C16020722-001	3/10/16 11:46	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	Carbonate as CO3	ND	mg/L	Energy Lab	C15120533-001	12/21/15 16:49	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	12/17/2015	Bicarbonate as HCO3	471	mg/L	Energy Lab	C15120533-001	12/21/15 16:49	A2320 B	MAJOR IONS
DW-Injectate	Class I Injection	Q	12/17/2015	Chloride	4280	mg/L	Energy Lab	C15120533-001	12/21/15 21:51	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	12/17/2015	Sulfate	609	mg/L	Energy Lab	C15120533-001	12/21/15 21:51	E300.0	MAJOR IONS
DW-Injectate	Class I Injection	Q	12/17/2015	Sulfide	ND	mg/L	Energy Lab	C15120533-001	12/21/15 12:26	A4500-S F	NON-METALS
DW-Injectate	Class I Injection	Q	12/17/2015	Conductivity @ 25 C	13500	umhos/cm	Energy Lab	C15120533-001	12/21/15 10:33	A2510 B	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	12/17/2015	pH	6.66	s.u.	Energy Lab	C15120533-001	12/21/15 10:33	A4500-H B	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	12/17/2015	Solids, Total Dissolved TDS @ 180 C	8180	mg/L	Energy Lab	C15120533-001	12/21/15 11:24	A2540 C	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	12/17/2015	Specific Gravity 60/60F	1.005	unitless	Energy Lab	C15120533-001	12/29/15 12:20	Calculation	PHYSICAL PROPERTIES
DW-Injectate	Class I Injection	Q	12/17/2015	Arsenic	0.008	mg/L	Energy Lab	C15120533-001	12/23/15 22:53	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	Selenium	0.157	mg/L	Energy Lab	C15120533-001	12/23/15 22:53	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	Uranium	5.2	mg/L	Energy Lab	C15120533-001	12/22/15 18:02	E200.7	METALS - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	Vanadium	0.03	mg/L	Energy Lab	C15120533-001	12/23/15 22:53	E200.8	METALS - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	Radium 226	722	pCi/L	Energy Lab	C15120533-001	1/4/16 9:25	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	Radium 226 precision (±)	135	pCi/L	Energy Lab	C15120533-001	1/4/16 9:25	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	Radium 226 MDC	0.15	pCi/L	Energy Lab	C15120533-001	1/4/16 9:25	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate	Class I Injection	Q	12/17/2015	A/C Balance (± 5)	-2.4	%	Energy Lab	C15120533-001	12/30/15 12:26	A1030 E	DATA QUALITY
DW-Injectate	Class I Injection	Q	12/17/2015	Anions	141	meq/L	Energy Lab	C15120533-001	12/30/15 12:26	A1030 E	DATA QUALITY
DW-Injectate	Class I Injection	Q	12/17/2015	Cations	134	meq/L	Energy Lab	C15120533-001	12/30/15 12:26	A1030 E	DATA QUALITY
DW-Injectate	Class I Injection	Q	12/17/2015	TDS Balance (0.80 - 1.20)	1	unitless	Energy Lab	C15120533-001	12/30/15 12:26	A1030 E	DATA QUALITY
DW-Injectate 2	Class I Injection	Q	5/12/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16050480-002	5/17/16 23:41	A2320 B	MAJOR IONS
DW-Injectate 2	Class I Injection	Q	5/12/2016	Bicarbonate as HCO3	297	mg/L	Energy Lab	C16050480-002	5/17/16 23:41	A2320 B	MAJOR IONS
DW-Injectate 2	Class I Injection	Q	5/12/2016	Chloride	30400	mg/L	Energy Lab	C16050480-002	5/18/16 21:10	E300.0	MAJOR IONS
DW-Injectate 2	Class I Injection	Q	5/12/2016	Sulfate	1380	mg/L	Energy Lab	C16050480-002	5/18/16 21:10	E300.0	MAJOR IONS
DW-Injectate 2	Class I Injection	Q	5/12/2016	Sulfide	ND	mg/L	Energy Lab	C16050480-002	5/17/16 11:55	A4500-S F	NON-METALS
DW-Injectate 2	Class I Injection	Q	5/12/2016	Conductivity @ 25 C	70500	umhos/cm	Energy Lab	C16050480-002	5/18/16 12:50	A2510 B	PHYSICAL PROPERTIES
DW-Injectate 2	Class I Injection	Q	5/12/2016	pH	6.75	s.u.	Energy Lab	C16050480-002	5/18/16 12:50	A4500-H B	PHYSICAL PROPERTIES
DW-Injectate 2	Class I Injection	Q	5/12/2016	Solids, Total Dissolved TDS @ 180 C	48400	mg/L	Energy Lab	C16050480-002	5/19/16 13:20	A2540 C	PHYSICAL PROPERTIES
DW-Injectate 2	Class I Injection	Q	5/12/2016	Specific Gravity 60/60F	1.032	unitless	Energy Lab	C16050480-002	5/24/16 12:56	Calculation	PHYSICAL PROPERTIES
DW-Injectate 2	Class I Injection	Q	5/12/2016	Arsenic	0.045	mg/L	Energy Lab	C16050480-002	5/23/16 19:22	E200.8	METALS - TOTAL
DW-Injectate 2	Class I Injection	Q	5/12/2016	Selenium	0.602	mg/L	Energy Lab	C16050480-002	5/23/16 19:22	E200.8	METALS - TOTAL
DW-Injectate 2	Class I Injection	Q	5/12/2016	Uranium	17.7	mg/L	Energy Lab	C16050480-002	5/23/16 19:22	E200.8	METALS - TOTAL
DW-Injectate 2	Class I Injection	Q	5/12/2016	Vanadium	0.03	mg/L	Energy Lab	C16050480-002	5/23/16 19:22	E200.8	METALS - TOTAL
DW-Injectate 2	Class I Injection	Q	5/12/2016	Radium 226	1390	pCi/L	Energy Lab	C16050480-002	5/24/16 7:08	E903.0	RADIONUCLIDES - TOTAL

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DW-Injectate 2	Class I Injection	Q	5/12/2016	Radium 226 precision (±)	260	pCi/L	Energy Lab	C16050480-002	5/24/16 7:08	E903.0	RADIONUCLIDES - TOTAL
DW-Injectate 2	Class I Injection	Q	5/12/2016	Radium 226 MDC	0.23	pCi/L	Energy Lab	C16050480-002	5/24/16 7:08	E903.0	RADIONUCLIDES - TOTAL
KPW-2	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16060265-015	6/9/16 19:23	A2320 B	MAJOR IONS
KPW-2	MU1 UCL Monitor	SM	6/3/2016	Chloride	7	mg/L	Energy Lab	C16060265-015	6/10/16 0:36	E300.0	MAJOR IONS
KPW-2	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	495	umhos/cm	Energy Lab	C16060265-015	6/9/16 12:46	A2510 B	PHYSICAL PROPERTIES
KPW-2	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16050694-043	5/24/16 20:13	A2320 B	MAJOR IONS
KPW-2	MU1 UCL Monitor	SM	5/21/2016	Chloride	7	mg/L	Energy Lab	C16050694-043	5/25/16 15:31	E300.0	MAJOR IONS
KPW-2	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	480	umhos/cm	Energy Lab	C16050694-043	5/24/16 15:45	A2510 B	PHYSICAL PROPERTIES
KPW-2	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050664-031	5/23/16 18:58	A2320 B	MAJOR IONS
KPW-2	MU1 UCL Monitor	SM	5/5/2016	Chloride	6	mg/L	Energy Lab	C16050664-031	5/24/16 6:49	E300.0	MAJOR IONS
KPW-2	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	459	umhos/cm	Energy Lab	C16050664-031	5/23/16 15:26	A2510 B	PHYSICAL PROPERTIES
M101	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16060265-029	6/14/16 12:59	A2320 B	MAJOR IONS
M101	MU1 UCL Monitor	SM	6/1/2016	Chloride	6	mg/L	Energy Lab	C16060265-029	6/10/16 5:50	E300.0	MAJOR IONS
M101	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	658	umhos/cm	Energy Lab	C16060265-029	6/9/16 15:01	A2510 B	PHYSICAL PROPERTIES
M101	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	122	mg/L	Energy Lab	C16050694-001	5/24/16 13:09	A2320 B	MAJOR IONS
M101	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-001	5/24/16 20:43	E300.0	MAJOR IONS
M101	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	672	umhos/cm	Energy Lab	C16050694-001	5/24/16 12:22	A2510 B	PHYSICAL PROPERTIES
M101	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16050664-001	5/23/16 13:58	A2320 B	MAJOR IONS
M101	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-001	5/23/16 18:36	E300.0	MAJOR IONS
M101	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	663	umhos/cm	Energy Lab	C16050664-001	5/23/16 11:34	A2510 B	PHYSICAL PROPERTIES
M102	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	147	mg/L	Energy Lab	C16060265-030	6/14/16 13:07	A2320 B	MAJOR IONS
M102	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-030	6/10/16 6:07	E300.0	MAJOR IONS
M102	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	788	umhos/cm	Energy Lab	C16060265-030	6/9/16 15:08	A2510 B	PHYSICAL PROPERTIES
M102	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	154	mg/L	Energy Lab	C16050694-002	5/24/16 13:26	A2320 B	MAJOR IONS
M102	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-002	5/24/16 21:01	E300.0	MAJOR IONS
M102	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	792	umhos/cm	Energy Lab	C16050694-002	5/24/16 12:29	A2510 B	PHYSICAL PROPERTIES
M102	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	142	mg/L	Energy Lab	C16050664-002	5/23/16 14:13	A2320 B	MAJOR IONS
M102	MU1 UCL Monitor	SM	5/3/2016	Chloride	6	mg/L	Energy Lab	C16050664-002	5/23/16 18:53	E300.0	MAJOR IONS
M102	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	790	umhos/cm	Energy Lab	C16050664-002	5/23/16 11:37	A2510 B	PHYSICAL PROPERTIES
M103	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	160	mg/L	Energy Lab	C16060265-031	6/14/16 13:16	A2320 B	MAJOR IONS
M103	MU1 UCL Monitor	SM	6/1/2016	Chloride	6	mg/L	Energy Lab	C16060265-031	6/10/16 7:00	E300.0	MAJOR IONS
M103	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	817	umhos/cm	Energy Lab	C16060265-031	6/9/16 15:11	A2510 B	PHYSICAL PROPERTIES
M103	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	145	mg/L	Energy Lab	C16050694-003	5/24/16 13:33	A2320 B	MAJOR IONS
M103	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-003	5/24/16 21:56	E300.0	MAJOR IONS
M103	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	815	umhos/cm	Energy Lab	C16050694-003	5/24/16 12:32	A2510 B	PHYSICAL PROPERTIES
M103	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	144	mg/L	Energy Lab	C16050664-003	5/23/16 14:30	A2320 B	MAJOR IONS
M103	MU1 UCL Monitor	SM	5/3/2016	Chloride	6	mg/L	Energy Lab	C16050664-003	5/23/16 19:11	E300.0	MAJOR IONS
M103	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	806	umhos/cm	Energy Lab	C16050664-003	5/23/16 11:40	A2510 B	PHYSICAL PROPERTIES
M104	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	133	mg/L	Energy Lab	C16060265-032	6/14/16 13:24	A2320 B	MAJOR IONS
M104	MU1 UCL Monitor	SM	6/2/2016	Chloride	6	mg/L	Energy Lab	C16060265-032	6/10/16 7:52	E300.0	MAJOR IONS
M104	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	689	umhos/cm	Energy Lab	C16060265-032	6/9/16 15:14	A2510 B	PHYSICAL PROPERTIES
M104	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	131	mg/L	Energy Lab	C16050694-004	5/24/16 13:41	A2320 B	MAJOR IONS
M104	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-004	5/24/16 22:52	E300.0	MAJOR IONS
M104	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	688	umhos/cm	Energy Lab	C16050694-004	5/24/16 12:35	A2510 B	PHYSICAL PROPERTIES
M104	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	140	mg/L	Energy Lab	C16050664-004	5/23/16 14:39	A2320 B	MAJOR IONS
M104	MU1 UCL Monitor	SM	5/3/2016	Chloride	6	mg/L	Energy Lab	C16050664-004	5/23/16 19:28	E300.0	MAJOR IONS

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M104	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	700	umhos/cm	Energy Lab	C16050664-004	5/23/16 11:43	A2510 B	PHYSICAL PROPERTIES
M105	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	133	mg/L	Energy Lab	C16060265-033	6/14/16 13:32	A2320 B	MAJOR IONS
M105	MU1 UCL Monitor	SM	6/2/2016	Chloride	6	mg/L	Energy Lab	C16060265-033	6/10/16 8:09	E300.0	MAJOR IONS
M105	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	686	umhos/cm	Energy Lab	C16060265-033	6/9/16 15:17	A2510 B	PHYSICAL PROPERTIES
M105	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	120	mg/L	Energy Lab	C16050694-005	5/24/16 13:49	A2320 B	MAJOR IONS
M105	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-005	5/24/16 23:10	E300.0	MAJOR IONS
M105	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	563	umhos/cm	Energy Lab	C16050694-005	5/24/16 12:38	A2510 B	PHYSICAL PROPERTIES
M105	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	126	mg/L	Energy Lab	C16050664-023	5/23/16 17:48	A2320 B	MAJOR IONS
M105	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-023	5/24/16 3:18	E300.0	MAJOR IONS
M105	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	613	umhos/cm	Energy Lab	C16050664-023	5/23/16 14:57	A2510 B	PHYSICAL PROPERTIES
M106	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	126	mg/L	Energy Lab	C16060265-034	6/14/16 13:39	A2320 B	MAJOR IONS
M106	MU1 UCL Monitor	SM	6/2/2016	Chloride	5	mg/L	Energy Lab	C16060265-034	6/10/16 8:27	E300.0	MAJOR IONS
M106	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	587	umhos/cm	Energy Lab	C16060265-034	6/9/16 15:20	A2510 B	PHYSICAL PROPERTIES
M106	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	123	mg/L	Energy Lab	C16050694-006	5/24/16 13:56	A2320 B	MAJOR IONS
M106	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-006	5/24/16 23:29	E300.0	MAJOR IONS
M106	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	596	umhos/cm	Energy Lab	C16050694-006	5/24/16 12:41	A2510 B	PHYSICAL PROPERTIES
M106	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	124	mg/L	Energy Lab	C16050664-028	5/23/16 18:34	A2320 B	MAJOR IONS
M106	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-028	5/24/16 4:47	E300.0	MAJOR IONS
M106	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	592	umhos/cm	Energy Lab	C16050664-028	5/23/16 15:12	A2510 B	PHYSICAL PROPERTIES
M107	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	133	mg/L	Energy Lab	C16060265-035	6/14/16 13:47	A2320 B	MAJOR IONS
M107	MU1 UCL Monitor	SM	6/2/2016	Chloride	6	mg/L	Energy Lab	C16060265-035	6/10/16 8:44	E300.0	MAJOR IONS
M107	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	682	umhos/cm	Energy Lab	C16060265-035	6/9/16 15:23	A2510 B	PHYSICAL PROPERTIES
M107	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	129	mg/L	Energy Lab	C16050694-007	5/24/16 14:04	A2320 B	MAJOR IONS
M107	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-007	5/24/16 23:49	E300.0	MAJOR IONS
M107	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	672	umhos/cm	Energy Lab	C16050694-007	5/24/16 12:44	A2510 B	PHYSICAL PROPERTIES
M107	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	126	mg/L	Energy Lab	C16050664-019	5/23/16 16:39	A2320 B	MAJOR IONS
M107	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-019	5/24/16 0:59	E300.0	MAJOR IONS
M107	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	668	umhos/cm	Energy Lab	C16050664-019	5/23/16 14:44	A2510 B	PHYSICAL PROPERTIES
M108	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	128	mg/L	Energy Lab	C16060265-036	6/14/16 14:12	A2320 B	MAJOR IONS
M108	MU1 UCL Monitor	SM	6/2/2016	Chloride	6	mg/L	Energy Lab	C16060265-036	6/10/16 9:01	E300.0	MAJOR IONS
M108	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	540	umhos/cm	Energy Lab	C16060265-036	6/9/16 15:26	A2510 B	PHYSICAL PROPERTIES
M108	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	114	mg/L	Energy Lab	C16050694-008	5/24/16 14:11	A2320 B	MAJOR IONS
M108	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-008	5/25/16 0:07	E300.0	MAJOR IONS
M108	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	538	umhos/cm	Energy Lab	C16050694-008	5/24/16 12:47	A2510 B	PHYSICAL PROPERTIES
M108	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16050664-021	5/23/16 17:14	A2320 B	MAJOR IONS
M108	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-021	5/24/16 2:43	E300.0	MAJOR IONS
M108	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	438	umhos/cm	Energy Lab	C16050664-021	5/23/16 14:50	A2510 B	PHYSICAL PROPERTIES
M109	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	114	mg/L	Energy Lab	C16060265-037	6/10/16 15:07	A2320 B	MAJOR IONS
M109	MU1 UCL Monitor	SM	6/2/2016	Chloride	5	mg/L	Energy Lab	C16060265-037	6/10/16 9:19	E300.0	MAJOR IONS
M109	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	555	umhos/cm	Energy Lab	C16060265-037	6/9/16 15:29	A2510 B	PHYSICAL PROPERTIES
M109	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16050694-009	5/24/16 14:19	A2320 B	MAJOR IONS
M109	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-009	5/25/16 0:26	E300.0	MAJOR IONS
M109	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	555	umhos/cm	Energy Lab	C16050694-009	5/24/16 12:50	A2510 B	PHYSICAL PROPERTIES
M109	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16050664-006	5/23/16 14:54	A2320 B	MAJOR IONS
M109	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-006	5/23/16 20:03	E300.0	MAJOR IONS
M109	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	563	umhos/cm	Energy Lab	C16050664-006	5/23/16 11:49	A2510 B	PHYSICAL PROPERTIES

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M110	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	124	mg/L	Energy Lab	C16060265-038	6/10/16 15:27	A2320 B	MAJOR IONS
M110	MU1 UCL Monitor	SM	6/2/2016	Chloride	6	mg/L	Energy Lab	C16060265-038	6/10/16 9:36	E300.0	MAJOR IONS
M110	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	563	umhos/cm	Energy Lab	C16060265-038	6/9/16 15:32	A2510 B	PHYSICAL PROPERTIES
M110	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16050694-010	5/24/16 14:26	A2320 B	MAJOR IONS
M110	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-010	5/25/16 0:44	E300.0	MAJOR IONS
M110	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	510	umhos/cm	Energy Lab	C16050694-010	5/24/16 12:53	A2510 B	PHYSICAL PROPERTIES
M110	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16050664-013	5/23/16 15:52	A2320 B	MAJOR IONS
M110	MU1 UCL Monitor	SM	5/4/2016	Chloride	6	mg/L	Energy Lab	C16050664-013	5/23/16 23:14	E300.0	MAJOR IONS
M110	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	573	umhos/cm	Energy Lab	C16050664-013	5/23/16 12:15	A2510 B	PHYSICAL PROPERTIES
M111	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16060265-039	6/10/16 15:43	A2320 B	MAJOR IONS
M111	MU1 UCL Monitor	SM	6/2/2016	Chloride	6	mg/L	Energy Lab	C16060265-039	6/10/16 9:54	E300.0	MAJOR IONS
M111	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	541	umhos/cm	Energy Lab	C16060265-039	6/9/16 15:45	A2510 B	PHYSICAL PROPERTIES
M111	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	124	mg/L	Energy Lab	C16050694-011	5/24/16 14:43	A2320 B	MAJOR IONS
M111	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-011	5/25/16 1:02	E300.0	MAJOR IONS
M111	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	546	umhos/cm	Energy Lab	C16050694-011	5/24/16 12:56	A2510 B	PHYSICAL PROPERTIES
M111	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16050664-026	5/23/16 18:16	A2320 B	MAJOR IONS
M111	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-026	5/24/16 4:12	E300.0	MAJOR IONS
M111	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	540	umhos/cm	Energy Lab	C16050664-026	5/23/16 15:06	A2510 B	PHYSICAL PROPERTIES
M112	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	139	mg/L	Energy Lab	C16060265-040	6/10/16 15:51	A2320 B	MAJOR IONS
M112	MU1 UCL Monitor	SM	6/2/2016	Chloride	5	mg/L	Energy Lab	C16060265-040	6/10/16 10:11	E300.0	MAJOR IONS
M112	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	513	umhos/cm	Energy Lab	C16060265-040	6/9/16 15:52	A2510 B	PHYSICAL PROPERTIES
M112	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	116	mg/L	Energy Lab	C16050694-012	5/24/16 14:50	A2320 B	MAJOR IONS
M112	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-012	5/25/16 1:21	E300.0	MAJOR IONS
M112	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	538	umhos/cm	Energy Lab	C16050694-012	5/24/16 13:04	A2510 B	PHYSICAL PROPERTIES
M112	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16050664-027	5/23/16 18:26	A2320 B	MAJOR IONS
M112	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-027	5/24/16 4:30	E300.0	MAJOR IONS
M112	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	539	umhos/cm	Energy Lab	C16050664-027	5/23/16 15:09	A2510 B	PHYSICAL PROPERTIES
M113	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16060265-041	6/10/16 15:59	A2320 B	MAJOR IONS
M113	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-041	6/14/16 18:31	E300.0	MAJOR IONS
M113	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	502	umhos/cm	Energy Lab	C16060265-041	6/9/16 15:56	A2510 B	PHYSICAL PROPERTIES
M113	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050694-013	5/24/16 14:58	A2320 B	MAJOR IONS
M113	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-013	5/25/16 2:17	E300.0	MAJOR IONS
M113	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	506	umhos/cm	Energy Lab	C16050694-013	5/24/16 13:07	A2510 B	PHYSICAL PROPERTIES
M113	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16050664-009	5/23/16 15:13	A2320 B	MAJOR IONS
M113	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-009	5/23/16 20:55	E300.0	MAJOR IONS
M113	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	510	umhos/cm	Energy Lab	C16050664-009	5/23/16 11:59	A2510 B	PHYSICAL PROPERTIES
M114	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	115	mg/L	Energy Lab	C16060265-042	6/10/16 16:07	A2320 B	MAJOR IONS
M114	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-042	6/14/16 19:23	E300.0	MAJOR IONS
M114	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	517	umhos/cm	Energy Lab	C16060265-042	6/9/16 15:59	A2510 B	PHYSICAL PROPERTIES
M114	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16050694-014	5/24/16 15:05	A2320 B	MAJOR IONS
M114	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-014	5/25/16 3:12	E300.0	MAJOR IONS
M114	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	514	umhos/cm	Energy Lab	C16050694-014	5/24/16 13:10	A2510 B	PHYSICAL PROPERTIES
M114	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16050664-010	5/23/16 15:21	A2320 B	MAJOR IONS
M114	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-010	5/23/16 21:47	E300.0	MAJOR IONS
M114	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	515	umhos/cm	Energy Lab	C16050664-010	5/23/16 12:06	A2510 B	PHYSICAL PROPERTIES
M115	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16060265-043	6/10/16 16:15	A2320 B	MAJOR IONS

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M115	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-043	6/14/16 19:40	E300.0	MAJOR IONS
M115	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	480	umhos/cm	Energy Lab	C16060265-043	6/9/16 16:02	A2510 B	PHYSICAL PROPERTIES
M115	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050694-015	5/24/16 15:13	A2320 B	MAJOR IONS
M115	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-015	5/25/16 3:30	E300.0	MAJOR IONS
M115	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	483	umhos/cm	Energy Lab	C16050694-015	5/24/16 13:13	A2510 B	PHYSICAL PROPERTIES
M115	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050664-018	5/23/16 16:31	A2320 B	MAJOR IONS
M115	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-018	5/24/16 0:41	E300.0	MAJOR IONS
M115	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	490	umhos/cm	Energy Lab	C16050664-018	5/23/16 14:37	A2510 B	PHYSICAL PROPERTIES
M116	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16060265-044	6/10/16 16:22	A2320 B	MAJOR IONS
M116	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-044	6/14/16 19:58	E300.0	MAJOR IONS
M116	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	488	umhos/cm	Energy Lab	C16060265-044	6/9/16 16:05	A2510 B	PHYSICAL PROPERTIES
M116	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	110	mg/L	Energy Lab	C16050694-016	5/24/16 15:21	A2320 B	MAJOR IONS
M116	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-016	5/25/16 3:49	E300.0	MAJOR IONS
M116	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	486	umhos/cm	Energy Lab	C16050694-016	5/24/16 13:16	A2510 B	PHYSICAL PROPERTIES
M116	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050664-011	5/23/16 15:29	A2320 B	MAJOR IONS
M116	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-011	5/23/16 22:39	E300.0	MAJOR IONS
M116	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	486	umhos/cm	Energy Lab	C16050664-011	5/23/16 12:09	A2510 B	PHYSICAL PROPERTIES
M117	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16060265-045	6/10/16 16:30	A2320 B	MAJOR IONS
M117	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-045	6/14/16 20:15	E300.0	MAJOR IONS
M117	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	478	umhos/cm	Energy Lab	C16060265-045	6/9/16 16:08	A2510 B	PHYSICAL PROPERTIES
M117	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16050694-017	5/24/16 15:28	A2320 B	MAJOR IONS
M117	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-017	5/25/16 4:07	E300.0	MAJOR IONS
M117	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	476	umhos/cm	Energy Lab	C16050694-017	5/24/16 13:19	A2510 B	PHYSICAL PROPERTIES
M117	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16050664-029	5/23/16 18:42	A2320 B	MAJOR IONS
M117	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-029	5/24/16 5:05	E300.0	MAJOR IONS
M117	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	482	umhos/cm	Energy Lab	C16050664-029	5/23/16 15:15	A2510 B	PHYSICAL PROPERTIES
M118	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16060265-046	6/10/16 16:38	A2320 B	MAJOR IONS
M118	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-046	6/14/16 20:33	E300.0	MAJOR IONS
M118	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	494	umhos/cm	Energy Lab	C16060265-046	6/9/16 16:11	A2510 B	PHYSICAL PROPERTIES
M118	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16050694-018	5/24/16 15:36	A2320 B	MAJOR IONS
M118	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-018	5/25/16 4:26	E300.0	MAJOR IONS
M118	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	491	umhos/cm	Energy Lab	C16050694-018	5/24/16 13:22	A2510 B	PHYSICAL PROPERTIES
M118	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16050664-017	5/23/16 16:23	A2320 B	MAJOR IONS
M118	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-017	5/24/16 0:24	E300.0	MAJOR IONS
M118	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	490	umhos/cm	Energy Lab	C16050664-017	5/23/16 12:27	A2510 B	PHYSICAL PROPERTIES
M119	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	122	mg/L	Energy Lab	C16060265-047	6/10/16 16:46	A2320 B	MAJOR IONS
M119	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-047	6/14/16 20:50	E300.0	MAJOR IONS
M119	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	470	umhos/cm	Energy Lab	C16060265-047	6/9/16 16:14	A2510 B	PHYSICAL PROPERTIES
M119	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16050694-019	5/24/16 15:43	A2320 B	MAJOR IONS
M119	MU1 UCL Monitor	SM	5/18/2016	Chloride	6	mg/L	Energy Lab	C16050694-019	5/25/16 4:45	E300.0	MAJOR IONS
M119	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	472	umhos/cm	Energy Lab	C16050694-019	5/24/16 13:25	A2510 B	PHYSICAL PROPERTIES
M119	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16050664-005	5/23/16 14:46	A2320 B	MAJOR IONS
M119	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-005	5/23/16 19:45	E300.0	MAJOR IONS
M119	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	474	umhos/cm	Energy Lab	C16050664-005	5/23/16 11:46	A2510 B	PHYSICAL PROPERTIES
M120	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	116	mg/L	Energy Lab	C16060265-048	6/10/16 17:01	A2320 B	MAJOR IONS
M120	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-048	6/14/16 21:08	E300.0	MAJOR IONS

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M120	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	466	umhos/cm	Energy Lab	C16060265-048	6/9/16 16:17	A2510 B	PHYSICAL PROPERTIES
M120	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16050694-020	5/24/16 16:12	A2320 B	MAJOR IONS
M120	MU1 UCL Monitor	SM	5/18/2016	Chloride	6	mg/L	Energy Lab	C16050694-020	5/25/16 5:03	E300.0	MAJOR IONS
M120	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	464	umhos/cm	Energy Lab	C16050694-020	5/24/16 13:28	A2510 B	PHYSICAL PROPERTIES
M120	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	125	mg/L	Energy Lab	C16050664-014	5/23/16 16:00	A2320 B	MAJOR IONS
M120	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-014	5/23/16 23:32	E300.0	MAJOR IONS
M120	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	462	umhos/cm	Energy Lab	C16050664-014	5/23/16 12:18	A2510 B	PHYSICAL PROPERTIES
M121	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16060265-049	6/10/16 17:09	A2320 B	MAJOR IONS
M121	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-049	6/14/16 21:25	E300.0	MAJOR IONS
M121	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	508	umhos/cm	Energy Lab	C16060265-049	6/9/16 16:20	A2510 B	PHYSICAL PROPERTIES
M121	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16050694-021	5/24/16 16:27	A2320 B	MAJOR IONS
M121	MU1 UCL Monitor	SM	5/18/2016	Chloride	6	mg/L	Energy Lab	C16050694-021	5/25/16 5:21	E300.0	MAJOR IONS
M121	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	509	umhos/cm	Energy Lab	C16050694-021	5/24/16 13:40	A2510 B	PHYSICAL PROPERTIES
M121	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16050664-016	5/23/16 16:15	A2320 B	MAJOR IONS
M121	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-016	5/24/16 0:06	E300.0	MAJOR IONS
M121	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	503	umhos/cm	Energy Lab	C16050664-016	5/23/16 12:24	A2510 B	PHYSICAL PROPERTIES
M122	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	132	mg/L	Energy Lab	C16060265-050	6/10/16 17:18	A2320 B	MAJOR IONS
M122	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-050	6/14/16 21:42	E300.0	MAJOR IONS
M122	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	498	umhos/cm	Energy Lab	C16060265-050	6/9/16 16:28	A2510 B	PHYSICAL PROPERTIES
M122	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16050694-022	5/24/16 16:43	A2320 B	MAJOR IONS
M122	MU1 UCL Monitor	SM	5/18/2016	Chloride	6	mg/L	Energy Lab	C16050694-022	5/25/16 5:40	E300.0	MAJOR IONS
M122	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	495	umhos/cm	Energy Lab	C16050694-022	5/24/16 13:47	A2510 B	PHYSICAL PROPERTIES
M122	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16050664-025	5/23/16 18:00	A2320 B	MAJOR IONS
M122	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-025	5/24/16 3:55	E300.0	MAJOR IONS
M122	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	490	umhos/cm	Energy Lab	C16050664-025	5/23/16 15:03	A2510 B	PHYSICAL PROPERTIES
M123	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	125	mg/L	Energy Lab	C16060265-051	6/10/16 17:26	A2320 B	MAJOR IONS
M123	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-051	6/14/16 22:35	E300.0	MAJOR IONS
M123	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	486	umhos/cm	Energy Lab	C16060265-051	6/9/16 16:31	A2510 B	PHYSICAL PROPERTIES
M123	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	120	mg/L	Energy Lab	C16050694-023	5/24/16 16:51	A2320 B	MAJOR IONS
M123	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-023	5/25/16 6:35	E300.0	MAJOR IONS
M123	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	483	umhos/cm	Energy Lab	C16050694-023	5/24/16 13:50	A2510 B	PHYSICAL PROPERTIES
M123	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	120	mg/L	Energy Lab	C16050664-020	5/23/16 16:46	A2320 B	MAJOR IONS
M123	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-020	5/24/16 1:51	E300.0	MAJOR IONS
M123	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	484	umhos/cm	Energy Lab	C16050664-020	5/23/16 14:47	A2510 B	PHYSICAL PROPERTIES
M124	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16060265-052	6/10/16 17:34	A2320 B	MAJOR IONS
M124	MU1 UCL Monitor	SM	6/1/2016	Chloride	4	mg/L	Energy Lab	C16060265-052	6/14/16 23:27	E300.0	MAJOR IONS
M124	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	457	umhos/cm	Energy Lab	C16060265-052	6/9/16 16:34	A2510 B	PHYSICAL PROPERTIES
M124	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16050694-024	5/24/16 16:59	A2320 B	MAJOR IONS
M124	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-024	5/25/16 7:31	E300.0	MAJOR IONS
M124	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	344	umhos/cm	Energy Lab	C16050694-024	5/24/16 13:53	A2510 B	PHYSICAL PROPERTIES
M124	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16050664-032	5/23/16 19:14	A2320 B	MAJOR IONS
M124	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-032	5/24/16 7:06	E300.0	MAJOR IONS
M124	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	444	umhos/cm	Energy Lab	C16050664-032	5/23/16 15:29	A2510 B	PHYSICAL PROPERTIES
M125	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16060265-053	6/10/16 17:42	A2320 B	MAJOR IONS
M125	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-053	6/14/16 23:44	E300.0	MAJOR IONS
M125	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	535	umhos/cm	Energy Lab	C16060265-053	6/9/16 16:37	A2510 B	PHYSICAL PROPERTIES

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M125	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	115	mg/L	Energy Lab	C16050694-025	5/24/16 17:06	A2320 B	MAJOR IONS
M125	MU1 UCL Monitor	SM	5/18/2016	Chloride	6	mg/L	Energy Lab	C16050694-025	5/25/16 7:49	E300.0	MAJOR IONS
M125	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	536	umhos/cm	Energy Lab	C16050694-025	5/24/16 13:57	A2510 B	PHYSICAL PROPERTIES
M125	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16050664-012	5/23/16 15:44	A2320 B	MAJOR IONS
M125	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-012	5/23/16 22:57	E300.0	MAJOR IONS
M125	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	543	umhos/cm	Energy Lab	C16050664-012	5/23/16 12:12	A2510 B	PHYSICAL PROPERTIES
M126	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	120	mg/L	Energy Lab	C16060265-054	6/10/16 17:50	A2320 B	MAJOR IONS
M126	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-054	6/15/16 0:02	E300.0	MAJOR IONS
M126	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	518	umhos/cm	Energy Lab	C16060265-054	6/9/16 16:40	A2510 B	PHYSICAL PROPERTIES
M126	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	126	mg/L	Energy Lab	C16050694-026	5/24/16 17:15	A2320 B	MAJOR IONS
M126	MU1 UCL Monitor	SM	5/18/2016	Chloride	6	mg/L	Energy Lab	C16050694-026	5/25/16 8:08	E300.0	MAJOR IONS
M126	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	512	umhos/cm	Energy Lab	C16050694-026	5/24/16 14:00	A2510 B	PHYSICAL PROPERTIES
M126	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	114	mg/L	Energy Lab	C16050664-033	5/23/16 19:22	A2320 B	MAJOR IONS
M126	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-033	5/24/16 7:24	E300.0	MAJOR IONS
M126	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	515	umhos/cm	Energy Lab	C16050664-033	5/23/16 15:32	A2510 B	PHYSICAL PROPERTIES
M127	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	120	mg/L	Energy Lab	C16060265-055	6/10/16 17:57	A2320 B	MAJOR IONS
M127	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-055	6/15/16 0:19	E300.0	MAJOR IONS
M127	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	532	umhos/cm	Energy Lab	C16060265-055	6/9/16 16:43	A2510 B	PHYSICAL PROPERTIES
M127	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	116	mg/L	Energy Lab	C16050694-027	5/24/16 17:23	A2320 B	MAJOR IONS
M127	MU1 UCL Monitor	SM	5/18/2016	Chloride	6	mg/L	Energy Lab	C16050694-027	5/25/16 8:26	E300.0	MAJOR IONS
M127	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	526	umhos/cm	Energy Lab	C16050694-027	5/24/16 14:03	A2510 B	PHYSICAL PROPERTIES
M127	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	126	mg/L	Energy Lab	C16050664-030	5/23/16 18:50	A2320 B	MAJOR IONS
M127	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-030	5/24/16 5:57	E300.0	MAJOR IONS
M127	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	525	umhos/cm	Energy Lab	C16050664-030	5/23/16 15:23	A2510 B	PHYSICAL PROPERTIES
M128	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16060265-056	6/10/16 18:05	A2320 B	MAJOR IONS
M128	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-056	6/15/16 0:37	E300.0	MAJOR IONS
M128	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	542	umhos/cm	Energy Lab	C16060265-056	6/9/16 16:46	A2510 B	PHYSICAL PROPERTIES
M128	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16050694-028	5/24/16 17:30	A2320 B	MAJOR IONS
M128	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-028	5/25/16 8:45	E300.0	MAJOR IONS
M128	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	543	umhos/cm	Energy Lab	C16050694-028	5/24/16 14:06	A2510 B	PHYSICAL PROPERTIES
M128	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	128	mg/L	Energy Lab	C16050664-022	5/23/16 17:31	A2320 B	MAJOR IONS
M128	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-022	5/24/16 3:00	E300.0	MAJOR IONS
M128	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	549	umhos/cm	Energy Lab	C16050664-022	5/23/16 14:54	A2510 B	PHYSICAL PROPERTIES
M129	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16060265-057	6/14/16 14:20	A2320 B	MAJOR IONS
M129	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-057	6/15/16 0:54	E300.0	MAJOR IONS
M129	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	490	umhos/cm	Energy Lab	C16060265-057	6/9/16 16:49	A2510 B	PHYSICAL PROPERTIES
M129	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	123	mg/L	Energy Lab	C16050694-055	5/25/16 13:18	A2320 B	MAJOR IONS
M129	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-055	5/25/16 21:10	E300.0	MAJOR IONS
M129	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	309	umhos/cm	Energy Lab	C16050694-055	5/24/16 16:26	A2510 B	PHYSICAL PROPERTIES
M129	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	110	mg/L	Energy Lab	C16050664-015	5/23/16 16:08	A2320 B	MAJOR IONS
M129	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-015	5/23/16 23:49	E300.0	MAJOR IONS
M129	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	490	umhos/cm	Energy Lab	C16050664-015	5/23/16 12:21	A2510 B	PHYSICAL PROPERTIES
M130	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16060265-058	6/14/16 14:24	A2320 B	MAJOR IONS
M130	MU1 UCL Monitor	SM	6/1/2016	Chloride	ND	mg/L	Energy Lab	C16060265-058	6/15/16 11:14	E300.0	MAJOR IONS
M130	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	5	umhos/cm	Energy Lab	C16060265-058	6/9/16 17:20	A2510 B	PHYSICAL PROPERTIES
M130	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050694-057	5/25/16 13:30	A2320 B	MAJOR IONS

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M130	MU1 UCL Monitor	SM	5/18/2016	Chloride	ND	mg/L	Energy Lab	C16050694-057	5/26/16 15:54	E300.0	MAJOR IONS
M130	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050694-057	5/24/16 16:33	A2510 B	PHYSICAL PROPERTIES
M130	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050664-007	5/23/16 14:58	A2320 B	MAJOR IONS
M130	MU1 UCL Monitor	SM	5/3/2016	Chloride	ND	mg/L	Energy Lab	C16050664-007	5/26/16 0:14	E300.0	MAJOR IONS
M130	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050664-007	5/23/16 11:52	A2510 B	PHYSICAL PROPERTIES
M131	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16060265-059	6/14/16 14:32	A2320 B	MAJOR IONS
M131	MU1 UCL Monitor	SM	6/1/2016	Chloride	5	mg/L	Energy Lab	C16060265-059	6/15/16 1:29	E300.0	MAJOR IONS
M131	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	478	umhos/cm	Energy Lab	C16060265-059	6/9/16 17:27	A2510 B	PHYSICAL PROPERTIES
M131	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16050694-056	5/25/16 13:25	A2320 B	MAJOR IONS
M131	MU1 UCL Monitor	SM	5/18/2016	Chloride	5	mg/L	Energy Lab	C16050694-056	5/25/16 21:28	E300.0	MAJOR IONS
M131	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	476	umhos/cm	Energy Lab	C16050694-056	5/24/16 16:30	A2510 B	PHYSICAL PROPERTIES
M131	MU1 UCL Monitor	SM	5/3/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16050664-008	5/23/16 15:06	A2320 B	MAJOR IONS
M131	MU1 UCL Monitor	SM	5/3/2016	Chloride	5	mg/L	Energy Lab	C16050664-008	5/23/16 20:38	E300.0	MAJOR IONS
M131	MU1 UCL Monitor	SM	5/3/2016	Conductivity @ 25 C	476	umhos/cm	Energy Lab	C16050664-008	5/23/16 11:56	A2510 B	PHYSICAL PROPERTIES
M132	MU1 UCL Monitor	SM	6/1/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16060265-060	6/14/16 14:36	A2320 B	MAJOR IONS
M132	MU1 UCL Monitor	SM	6/1/2016	Chloride	ND	mg/L	Energy Lab	C16060265-060	6/15/16 11:31	E300.0	MAJOR IONS
M132	MU1 UCL Monitor	SM	6/1/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16060265-060	6/9/16 17:31	A2510 B	PHYSICAL PROPERTIES
M132	MU1 UCL Monitor	SM	5/18/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050694-058	5/25/16 13:34	A2320 B	MAJOR IONS
M132	MU1 UCL Monitor	SM	5/18/2016	Chloride	ND	mg/L	Energy Lab	C16050694-058	5/26/16 16:12	E300.0	MAJOR IONS
M132	MU1 UCL Monitor	SM	5/18/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050694-058	5/24/16 16:36	A2510 B	PHYSICAL PROPERTIES
M132	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050664-024	5/23/16 17:52	A2320 B	MAJOR IONS
M132	MU1 UCL Monitor	SM	5/4/2016	Chloride	ND	mg/L	Energy Lab	C16050664-024	5/24/16 3:37	E300.0	MAJOR IONS
M132	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050664-024	5/23/16 15:00	A2510 B	PHYSICAL PROPERTIES
MO101	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16060265-002	6/9/16 17:33	A2320 B	MAJOR IONS
MO101	MU1 UCL Monitor	SM	6/2/2016	Chloride	7	mg/L	Energy Lab	C16060265-002	6/9/16 19:40	E300.0	MAJOR IONS
MO101	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	630	umhos/cm	Energy Lab	C16060265-002	6/9/16 12:02	A2510 B	PHYSICAL PROPERTIES
MO101	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16050694-030	5/24/16 17:46	A2320 B	MAJOR IONS
MO101	MU1 UCL Monitor	SM	5/19/2016	Chloride	7	mg/L	Energy Lab	C16050694-030	5/25/16 9:22	E300.0	MAJOR IONS
MO101	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	630	umhos/cm	Energy Lab	C16050694-030	5/24/16 14:12	A2510 B	PHYSICAL PROPERTIES
MO101	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16050664-058	5/23/16 23:18	A2320 B	MAJOR IONS
MO101	MU1 UCL Monitor	SM	5/4/2016	Chloride	7	mg/L	Energy Lab	C16050664-058	5/24/16 17:18	E300.0	MAJOR IONS
MO101	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	558	umhos/cm	Energy Lab	C16050664-058	5/23/16 18:19	A2510 B	PHYSICAL PROPERTIES
MO102	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16060265-004	6/9/16 17:50	A2320 B	MAJOR IONS
MO102	MU1 UCL Monitor	SM	6/3/2016	Chloride	6	mg/L	Energy Lab	C16060265-004	6/9/16 20:15	E300.0	MAJOR IONS
MO102	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	573	umhos/cm	Energy Lab	C16060265-004	6/9/16 12:09	A2510 B	PHYSICAL PROPERTIES
MO102	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	105	mg/L	Energy Lab	C16050694-032	5/24/16 18:09	A2320 B	MAJOR IONS
MO102	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-032	5/25/16 9:59	E300.0	MAJOR IONS
MO102	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	571	umhos/cm	Energy Lab	C16050694-032	5/24/16 14:23	A2510 B	PHYSICAL PROPERTIES
MO102	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	106	mg/L	Energy Lab	C16050664-059	5/23/16 23:26	A2320 B	MAJOR IONS
MO102	MU1 UCL Monitor	SM	5/4/2016	Chloride	6	mg/L	Energy Lab	C16050664-059	5/24/16 17:35	E300.0	MAJOR IONS
MO102	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	570	umhos/cm	Energy Lab	C16050664-059	5/23/16 18:24	A2510 B	PHYSICAL PROPERTIES
MO103	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16060265-006	6/9/16 18:05	A2320 B	MAJOR IONS
MO103	MU1 UCL Monitor	SM	6/3/2016	Chloride	8	mg/L	Energy Lab	C16060265-006	6/9/16 20:50	E300.0	MAJOR IONS
MO103	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	656	umhos/cm	Energy Lab	C16060265-006	6/9/16 12:15	A2510 B	PHYSICAL PROPERTIES
MO103	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16050694-034	5/24/16 18:24	A2320 B	MAJOR IONS
MO103	MU1 UCL Monitor	SM	5/19/2016	Chloride	8	mg/L	Energy Lab	C16050694-034	5/25/16 12:08	E300.0	MAJOR IONS

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MO103	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	651	umhos/cm	Energy Lab	C16050694-034	5/24/16 14:29	A2510 B	PHYSICAL PROPERTIES
MO103	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	118	mg/L	Energy Lab	C16050664-049	5/23/16 22:02	A2320 B	MAJOR IONS
MO103	MU1 UCL Monitor	SM	5/4/2016	Chloride	8	mg/L	Energy Lab	C16050664-049	5/24/16 13:31	E300.0	MAJOR IONS
MO103	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	654	umhos/cm	Energy Lab	C16050664-049	5/23/16 17:32	A2510 B	PHYSICAL PROPERTIES
MO104	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	126	mg/L	Energy Lab	C16060265-008	6/9/16 18:21	A2320 B	MAJOR IONS
MO104	MU1 UCL Monitor	SM	6/3/2016	Chloride	9	mg/L	Energy Lab	C16060265-008	6/9/16 21:25	E300.0	MAJOR IONS
MO104	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	597	umhos/cm	Energy Lab	C16060265-008	6/9/16 12:21	A2510 B	PHYSICAL PROPERTIES
MO104	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16050694-036	5/24/16 18:40	A2320 B	MAJOR IONS
MO104	MU1 UCL Monitor	SM	5/19/2016	Chloride	8	mg/L	Energy Lab	C16050694-036	5/25/16 12:45	E300.0	MAJOR IONS
MO104	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	597	umhos/cm	Energy Lab	C16050694-036	5/24/16 14:35	A2510 B	PHYSICAL PROPERTIES
MO104	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	122	mg/L	Energy Lab	C16050664-051	5/23/16 22:18	A2320 B	MAJOR IONS
MO104	MU1 UCL Monitor	SM	5/4/2016	Chloride	8	mg/L	Energy Lab	C16050664-051	5/24/16 15:16	E300.0	MAJOR IONS
MO104	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	595	umhos/cm	Energy Lab	C16050664-051	5/23/16 17:38	A2510 B	PHYSICAL PROPERTIES
MO105	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16060265-010	6/9/16 18:44	A2320 B	MAJOR IONS
MO105	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-010	6/9/16 21:59	E300.0	MAJOR IONS
MO105	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	467	umhos/cm	Energy Lab	C16060265-010	6/9/16 12:27	A2510 B	PHYSICAL PROPERTIES
MO105	MU1 UCL Monitor	SM	5/20/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050694-038	5/24/16 18:56	A2320 B	MAJOR IONS
MO105	MU1 UCL Monitor	SM	5/20/2016	Chloride	5	mg/L	Energy Lab	C16050694-038	5/25/16 13:22	E300.0	MAJOR IONS
MO105	MU1 UCL Monitor	SM	5/20/2016	Conductivity @ 25 C	466	umhos/cm	Energy Lab	C16050694-038	5/24/16 14:41	A2510 B	PHYSICAL PROPERTIES
MO105	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	110	mg/L	Energy Lab	C16050664-060	5/23/16 23:34	A2320 B	MAJOR IONS
MO105	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-060	5/24/16 18:27	E300.0	MAJOR IONS
MO105	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	258	umhos/cm	Energy Lab	C16050664-060	5/23/16 18:27	A2510 B	PHYSICAL PROPERTIES
MO106	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	101	mg/L	Energy Lab	C16060265-012	6/9/16 18:59	A2320 B	MAJOR IONS
MO106	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-012	6/9/16 23:44	E300.0	MAJOR IONS
MO106	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	444	umhos/cm	Energy Lab	C16060265-012	6/9/16 12:37	A2510 B	PHYSICAL PROPERTIES
MO106	MU1 UCL Monitor	SM	5/20/2016	Alkalinity, Total as CaCO3	105	mg/L	Energy Lab	C16050694-040	5/24/16 19:33	A2320 B	MAJOR IONS
MO106	MU1 UCL Monitor	SM	5/20/2016	Chloride	6	mg/L	Energy Lab	C16050694-040	5/25/16 13:59	E300.0	MAJOR IONS
MO106	MU1 UCL Monitor	SM	5/20/2016	Conductivity @ 25 C	454	umhos/cm	Energy Lab	C16050694-040	5/24/16 15:36	A2510 B	PHYSICAL PROPERTIES
MO106	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	104	mg/L	Energy Lab	C16050664-061	5/24/16 0:02	A2320 B	MAJOR IONS
MO106	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-061	5/24/16 19:20	E300.0	MAJOR IONS
MO106	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	413	umhos/cm	Energy Lab	C16050664-061	5/23/16 18:30	A2510 B	PHYSICAL PROPERTIES
MO107	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	87	mg/L	Energy Lab	C16060265-014	6/9/16 19:16	A2320 B	MAJOR IONS
MO107	MU1 UCL Monitor	SM	6/3/2016	Chloride	6	mg/L	Energy Lab	C16060265-014	6/10/16 0:19	E300.0	MAJOR IONS
MO107	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	440	umhos/cm	Energy Lab	C16060265-014	6/9/16 12:43	A2510 B	PHYSICAL PROPERTIES
MO107	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	96	mg/L	Energy Lab	C16050694-042	5/24/16 20:05	A2320 B	MAJOR IONS
MO107	MU1 UCL Monitor	SM	5/21/2016	Chloride	6	mg/L	Energy Lab	C16050694-042	5/25/16 14:36	E300.0	MAJOR IONS
MO107	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	447	umhos/cm	Energy Lab	C16050694-042	5/24/16 15:42	A2510 B	PHYSICAL PROPERTIES
MO107	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	105	mg/L	Energy Lab	C16050664-053	5/23/16 22:41	A2320 B	MAJOR IONS
MO107	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-053	5/24/16 15:51	E300.0	MAJOR IONS
MO107	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	458	umhos/cm	Energy Lab	C16050664-053	5/23/16 17:44	A2510 B	PHYSICAL PROPERTIES
MO108	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16060265-016	6/9/16 19:31	A2320 B	MAJOR IONS
MO108	MU1 UCL Monitor	SM	6/3/2016	Chloride	6	mg/L	Energy Lab	C16060265-016	6/10/16 0:54	E300.0	MAJOR IONS
MO108	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	489	umhos/cm	Energy Lab	C16060265-016	6/9/16 12:49	A2510 B	PHYSICAL PROPERTIES
MO108	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	106	mg/L	Energy Lab	C16050694-044	5/24/16 20:21	A2320 B	MAJOR IONS
MO108	MU1 UCL Monitor	SM	5/21/2016	Chloride	6	mg/L	Energy Lab	C16050694-044	5/25/16 16:26	E300.0	MAJOR IONS
MO108	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	486	umhos/cm	Energy Lab	C16050694-044	5/24/16 15:48	A2510 B	PHYSICAL PROPERTIES

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MO108	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	105	mg/L	Energy Lab	C16050664-050	5/23/16 22:10	A2320 B	MAJOR IONS
MO108	MU1 UCL Monitor	SM	5/5/2016	Chloride	6	mg/L	Energy Lab	C16050664-050	5/24/16 14:23	E300.0	MAJOR IONS
MO108	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	489	umhos/cm	Energy Lab	C16050664-050	5/23/16 17:35	A2510 B	PHYSICAL PROPERTIES
MO109	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16060265-018	6/10/16 12:01	A2320 B	MAJOR IONS
MO109	MU1 UCL Monitor	SM	6/3/2016	Chloride	8	mg/L	Energy Lab	C16060265-018	6/10/16 1:29	E300.0	MAJOR IONS
MO109	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	511	umhos/cm	Energy Lab	C16060265-018	6/9/16 12:55	A2510 B	PHYSICAL PROPERTIES
MO109	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	117	mg/L	Energy Lab	C16050694-046	5/24/16 20:37	A2320 B	MAJOR IONS
MO109	MU1 UCL Monitor	SM	5/21/2016	Chloride	18	mg/L	Energy Lab	C16050694-046	5/25/16 17:10	E300.0	MAJOR IONS
MO109	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	510	umhos/cm	Energy Lab	C16050694-046	5/24/16 15:54	A2510 B	PHYSICAL PROPERTIES
MO109	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	116	mg/L	Energy Lab	C16050664-052	5/23/16 22:33	A2320 B	MAJOR IONS
MO109	MU1 UCL Monitor	SM	5/5/2016	Chloride	8	mg/L	Energy Lab	C16050664-052	5/24/16 15:33	E300.0	MAJOR IONS
MO109	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	513	umhos/cm	Energy Lab	C16050664-052	5/23/16 17:41	A2510 B	PHYSICAL PROPERTIES
MO110	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	105	mg/L	Energy Lab	C16060265-020	6/10/16 12:26	A2320 B	MAJOR IONS
MO110	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-020	6/10/16 2:03	E300.0	MAJOR IONS
MO110	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	411	umhos/cm	Energy Lab	C16060265-020	6/9/16 14:34	A2510 B	PHYSICAL PROPERTIES
MO110	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	104	mg/L	Energy Lab	C16050694-048	5/24/16 20:52	A2320 B	MAJOR IONS
MO110	MU1 UCL Monitor	SM	5/21/2016	Chloride	5	mg/L	Energy Lab	C16050694-048	5/25/16 17:47	E300.0	MAJOR IONS
MO110	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	428	umhos/cm	Energy Lab	C16050694-048	5/24/16 16:00	A2510 B	PHYSICAL PROPERTIES
MO110	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	114	mg/L	Energy Lab	C16050664-057	5/23/16 23:10	A2320 B	MAJOR IONS
MO110	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-057	5/24/16 17:00	E300.0	MAJOR IONS
MO110	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	213	umhos/cm	Energy Lab	C16050664-057	5/23/16 18:14	A2510 B	PHYSICAL PROPERTIES
MO111	MU1 UCL Monitor	SM	6/6/2016	Alkalinity, Total as CaCO3	107	mg/L	Energy Lab	C16060265-022	6/10/16 12:42	A2320 B	MAJOR IONS
MO111	MU1 UCL Monitor	SM	6/6/2016	Chloride	5	mg/L	Energy Lab	C16060265-022	6/10/16 3:48	E300.0	MAJOR IONS
MO111	MU1 UCL Monitor	SM	6/6/2016	Conductivity @ 25 C	418	umhos/cm	Energy Lab	C16060265-022	6/9/16 14:40	A2510 B	PHYSICAL PROPERTIES
MO111	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	104	mg/L	Energy Lab	C16050694-050	5/25/16 12:38	A2320 B	MAJOR IONS
MO111	MU1 UCL Monitor	SM	5/21/2016	Chloride	5	mg/L	Energy Lab	C16050694-050	5/25/16 18:24	E300.0	MAJOR IONS
MO111	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	424	umhos/cm	Energy Lab	C16050694-050	5/24/16 16:11	A2510 B	PHYSICAL PROPERTIES
MO111	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	104	mg/L	Energy Lab	C16050664-056	5/23/16 23:01	A2320 B	MAJOR IONS
MO111	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-056	5/24/16 16:43	E300.0	MAJOR IONS
MO111	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	427	umhos/cm	Energy Lab	C16050664-056	5/23/16 18:04	A2510 B	PHYSICAL PROPERTIES
MO112	MU1 UCL Monitor	SM	6/6/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16060265-024	6/10/16 12:57	A2320 B	MAJOR IONS
MO112	MU1 UCL Monitor	SM	6/6/2016	Chloride	6	mg/L	Energy Lab	C16060265-024	6/10/16 4:23	E300.0	MAJOR IONS
MO112	MU1 UCL Monitor	SM	6/6/2016	Conductivity @ 25 C	410	umhos/cm	Energy Lab	C16060265-024	6/9/16 14:46	A2510 B	PHYSICAL PROPERTIES
MO112	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	107	mg/L	Energy Lab	C16050694-052	5/25/16 12:54	A2320 B	MAJOR IONS
MO112	MU1 UCL Monitor	SM	5/21/2016	Chloride	6	mg/L	Energy Lab	C16050694-052	5/25/16 19:01	E300.0	MAJOR IONS
MO112	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	411	umhos/cm	Energy Lab	C16050694-052	5/24/16 16:17	A2510 B	PHYSICAL PROPERTIES
MO112	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050664-048	5/23/16 21:54	A2320 B	MAJOR IONS
MO112	MU1 UCL Monitor	SM	5/5/2016	Chloride	6	mg/L	Energy Lab	C16050664-048	5/24/16 13:14	E300.0	MAJOR IONS
MO112	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	410	umhos/cm	Energy Lab	C16050664-048	5/23/16 17:29	A2510 B	PHYSICAL PROPERTIES
MO113	MU1 UCL Monitor	SM	6/6/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16060265-026	6/10/16 13:13	A2320 B	MAJOR IONS
MO113	MU1 UCL Monitor	SM	6/6/2016	Chloride	5	mg/L	Energy Lab	C16060265-026	6/10/16 4:58	E300.0	MAJOR IONS
MO113	MU1 UCL Monitor	SM	6/6/2016	Conductivity @ 25 C	252	umhos/cm	Energy Lab	C16060265-026	6/9/16 14:52	A2510 B	PHYSICAL PROPERTIES
MO113	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050694-054	5/25/16 13:09	A2320 B	MAJOR IONS
MO113	MU1 UCL Monitor	SM	5/21/2016	Chloride	5	mg/L	Energy Lab	C16050694-054	5/25/16 20:51	E300.0	MAJOR IONS
MO113	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	444	umhos/cm	Energy Lab	C16050694-054	5/24/16 16:23	A2510 B	PHYSICAL PROPERTIES
MO113	MU1 UCL Monitor	SM	5/6/2016	Alkalinity, Total as CaCO3	107	mg/L	Energy Lab	C16050664-055	5/23/16 22:53	A2320 B	MAJOR IONS

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MO113	MU1 UCL Monitor	SM	5/6/2016	Chloride	5	mg/L	Energy Lab	C16050664-055	5/24/16 16:25	E300.0	MAJOR IONS
MO113	MU1 UCL Monitor	SM	5/6/2016	Conductivity @ 25 C	443	umhos/cm	Energy Lab	C16050664-055	5/23/16 17:50	A2510 B	PHYSICAL PROPERTIES
MO121	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16060265-061	6/14/16 14:44	A2320 B	MAJOR IONS
MO121	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-061	6/15/16 12:24	E300.0	MAJOR IONS
MO121	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	452	umhos/cm	Energy Lab	C16060265-061	6/9/16 17:34	A2510 B	PHYSICAL PROPERTIES
MO121	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	115	mg/L	Energy Lab	C16050694-059	5/25/16 13:42	A2320 B	MAJOR IONS
MO121	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-059	5/25/16 22:23	E300.0	MAJOR IONS
MO121	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	539	umhos/cm	Energy Lab	C16050694-059	5/24/16 16:48	A2510 B	PHYSICAL PROPERTIES
MO121	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	96	mg/L	Energy Lab	C16050664-062	5/24/16 0:18	A2320 B	MAJOR IONS
MO121	MU1 UCL Monitor	SM	5/5/2016	Chloride	6	mg/L	Energy Lab	C16050664-062	5/24/16 19:37	E300.0	MAJOR IONS
MO121	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	452	umhos/cm	Energy Lab	C16050664-062	5/23/16 18:33	A2510 B	PHYSICAL PROPERTIES
MO122	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16060265-062	6/14/16 14:49	A2320 B	MAJOR IONS
MO122	MU1 UCL Monitor	SM	6/3/2016	Chloride	ND	mg/L	Energy Lab	C16060265-062	6/15/16 11:49	E300.0	MAJOR IONS
MO122	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16060265-062	6/9/16 17:37	A2510 B	PHYSICAL PROPERTIES
MO122	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050694-061	5/27/16 1:40	A2320 B	MAJOR IONS
MO122	MU1 UCL Monitor	SM	5/19/2016	Chloride	ND	mg/L	Energy Lab	C16050694-061	5/26/16 16:31	E300.0	MAJOR IONS
MO122	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050694-061	5/24/16 16:59	A2510 B	PHYSICAL PROPERTIES
MO122	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050664-054	5/23/16 22:45	A2320 B	MAJOR IONS
MO122	MU1 UCL Monitor	SM	5/5/2016	Chloride	ND	mg/L	Energy Lab	C16050664-054	5/26/16 1:28	E300.0	MAJOR IONS
MO122	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050664-054	5/23/16 17:47	A2510 B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	4/19/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16040624-003	4/22/16 19:51	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Bicarbonate as HCO3	135	mg/L	Energy Lab	C16040624-003	4/22/16 19:51	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Calcium	97	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Chloride	5	mg/L	Energy Lab	C16040624-003	4/26/16 18:11	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Fluoride	ND	mg/L	Energy Lab	C16040624-003	4/22/16 13:51	A4500-F C	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Magnesium	4	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16040624-003	4/25/16 13:11	A4500-NH3 G	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16040624-003	4/27/16 13:49	E353.2	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Potassium	3	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Silica	15	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Sodium	30	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Sulfate	175	mg/L	Energy Lab	C16040624-003	4/26/16 18:11	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	4/19/2016	Conductivity @ 25 C	594	umhos/cm	Energy Lab	C16040624-003	4/22/16 12:28	A2510 B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	4/19/2016	pH	7.91	s.u.	Energy Lab	C16040624-003	4/22/16 12:28	A4500-H B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	4/19/2016	Solids, Total Dissolved TDS @ 180 C	405	mg/L	Energy Lab	C16040624-003	4/25/16 9:43	A2540 C	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	4/19/2016	Aluminum	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Arsenic	0.001	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Barium	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Boron	ND	mg/L	Energy Lab	C16040624-003	4/23/16 14:44	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Cadmium	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Chromium	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Copper	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Iron	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Lead	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Manganese	0.02	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Mercury	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP501	MU5 Baseline	N/A	4/19/2016	Molybdenum	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Nickel	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Selenium	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Uranium	0.0793	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Vanadium	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Zinc	ND	mg/L	Energy Lab	C16040624-003	4/23/16 1:55	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Iron	ND	mg/L	Energy Lab	C16040624-003	4/26/16 17:04	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	4/19/2016	Manganese	0.02	mg/L	Energy Lab	C16040624-003	4/26/16 17:04	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	4/19/2016	Gross Alpha	236	pCi/L	Energy Lab	C16040624-003	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Gross Alpha precision (±)	46.4	pCi/L	Energy Lab	C16040624-003	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Gross Alpha MDC	3	pCi/L	Energy Lab	C16040624-003	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Gross Beta	66.9	pCi/L	Energy Lab	C16040624-003	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Gross Beta precision (±)	7.3	pCi/L	Energy Lab	C16040624-003	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Gross Beta MDC	3.5	pCi/L	Energy Lab	C16040624-003	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Radium 226	117	pCi/L	Energy Lab	C16040624-003	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Radium 226 precision (±)	22	pCi/L	Energy Lab	C16040624-003	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Radium 226 MDC	0.16	pCi/L	Energy Lab	C16040624-003	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Radium 228	3.3	pCi/L	Energy Lab	C16040624-003	4/28/16 8:33	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Radium 228 precision (±)	1	pCi/L	Energy Lab	C16040624-003	4/28/16 8:33	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	Radium 228 MDC	1.1	pCi/L	Energy Lab	C16040624-003	4/28/16 8:33	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/19/2016	A/C Balance (± 5)	4.46	%	Energy Lab	C16040624-003	5/2/16 12:22	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/19/2016	Anions	6	meq/L	Energy Lab	C16040624-003	5/2/16 12:22	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/19/2016	Cations	6.56	meq/L	Energy Lab	C16040624-003	5/2/16 12:22	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/19/2016	Solids, Total Dissolved Calculated	400	mg/L	Energy Lab	C16040624-003	5/2/16 12:22	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/19/2016	TDS Balance (0.80 - 1.20)	1.02	unitless	Energy Lab	C16040624-003	5/2/16 12:22	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/5/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16040178-003	4/8/16 13:54	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Bicarbonate as HCO3	147	mg/L	Energy Lab	C16040178-003	4/8/16 13:54	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Calcium	91	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Chloride	5	mg/L	Energy Lab	C16040178-003	4/7/16 17:22	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Fluoride	0.1	mg/L	Energy Lab	C16040178-003	4/8/16 10:54	A4500-F C	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Magnesium	4	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16040178-003	4/14/16 14:15	A4500-NH3 G	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16040178-003	4/7/16 12:37	E353.2	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Potassium	3	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Silica	15.2	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Sodium	31	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Sulfate	178	mg/L	Energy Lab	C16040178-003	4/7/16 17:22	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	4/5/2016	Conductivity @ 25 C	596	umhos/cm	Energy Lab	C16040178-003	4/7/16 11:10	A2510 B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	4/5/2016	pH	7.95	s.u.	Energy Lab	C16040178-003	4/7/16 11:10	A4500-H B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	4/5/2016	Solids, Total Dissolved TDS @ 180 C	415	mg/L	Energy Lab	C16040178-003	4/7/16 14:48	A2540 C	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	4/5/2016	Aluminum	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Arsenic	0.002	mg/L	Energy Lab	C16040178-003	4/11/16 19:19	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Barium	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Boron	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Cadmium	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Chromium	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED

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MP501	MU5 Baseline	N/A	4/5/2016	Copper	ND	mg/L	Energy Lab	C16040178-003	4/11/16 19:19	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Iron	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Lead	ND	mg/L	Energy Lab	C16040178-003	4/11/16 19:19	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Manganese	0.02	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Mercury	ND	mg/L	Energy Lab	C16040178-003	4/11/16 19:19	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Molybdenum	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Nickel	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Selenium	ND	mg/L	Energy Lab	C16040178-003	4/11/16 19:19	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Uranium	0.0877	mg/L	Energy Lab	C16040178-003	4/11/16 19:19	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Vanadium	ND	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Zinc	0.01	mg/L	Energy Lab	C16040178-003	4/7/16 18:49	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Iron	0.05	mg/L	Energy Lab	C16040178-003	4/8/16 16:40	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	4/5/2016	Manganese	0.02	mg/L	Energy Lab	C16040178-003	4/8/16 16:40	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	4/5/2016	Gross Alpha	238	pCi/L	Energy Lab	C16040178-003	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Gross Alpha precision (±)	46.6	pCi/L	Energy Lab	C16040178-003	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Gross Alpha MDC	2.4	pCi/L	Energy Lab	C16040178-003	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Gross Beta	41.5	pCi/L	Energy Lab	C16040178-003	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Gross Beta precision (±)	4.5	pCi/L	Energy Lab	C16040178-003	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Gross Beta MDC	3	pCi/L	Energy Lab	C16040178-003	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Radium 226	133	pCi/L	Energy Lab	C16040178-003	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Radium 226 precision (±)	25	pCi/L	Energy Lab	C16040178-003	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Radium 226 MDC	0.13	pCi/L	Energy Lab	C16040178-003	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Radium 228	3.5	pCi/L	Energy Lab	C16040178-003	4/18/16 8:58	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Radium 228 precision (±)	1	pCi/L	Energy Lab	C16040178-003	4/18/16 8:58	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	Radium 228 MDC	1	pCi/L	Energy Lab	C16040178-003	4/18/16 8:58	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	4/5/2016	A/C Balance (± 5)	0.02	%	Energy Lab	C16040178-003	4/11/16 12:03	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/5/2016	Anions	6.26	meq/L	Energy Lab	C16040178-003	4/11/16 12:03	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/5/2016	Cations	6.26	meq/L	Energy Lab	C16040178-003	4/11/16 12:03	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/5/2016	Solids, Total Dissolved Calculated	400	mg/L	Energy Lab	C16040178-003	4/11/16 12:03	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	4/5/2016	TDS Balance (0.80 - 1.20)	1.03	unitless	Energy Lab	C16040178-003	4/11/16 12:03	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	3/14/2016	Alkalinity, Total as CaCO3	116	mg/L	Energy Lab	C16030457-003	3/16/16 13:50	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16030457-003	3/16/16 13:50	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Bicarbonate as HCO3	142	mg/L	Energy Lab	C16030457-003	3/16/16 13:50	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Calcium	93	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Chloride	5	mg/L	Energy Lab	C16030457-003	3/16/16 23:14	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Fluoride	0.1	mg/L	Energy Lab	C16030457-003	3/17/16 14:53	A4500-F C	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Magnesium	4	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16030457-003	3/18/16 17:29	A4500-NH3 G	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16030457-003	3/15/16 15:35	E353.2	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Potassium	3	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Silica	15.6	mg/L	Energy Lab	C16030457-003	3/17/16 17:23	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Sodium	32	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Sulfate	181	mg/L	Energy Lab	C16030457-003	3/16/16 23:14	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	3/14/2016	Conductivity @ 25 C	595	umhos/cm	Energy Lab	C16030457-003	3/15/16 13:55	A2510 B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	3/14/2016	pH	7.99	s.u.	Energy Lab	C16030457-003	3/15/16 13:55	A4500-H B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	3/14/2016	Solids, Total Dissolved TDS @ 180 C	410	mg/L	Energy Lab	C16030457-003	3/16/16 10:15	A2540 C	PHYSICAL PROPERTIES

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MP501	MU5 Baseline	N/A	3/14/2016	Aluminum	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Arsenic	0.002	mg/L	Energy Lab	C16030457-003	3/17/16 23:58	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Barium	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Boron	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Cadmium	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Chromium	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Copper	ND	mg/L	Energy Lab	C16030457-003	3/17/16 23:58	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Iron	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Lead	ND	mg/L	Energy Lab	C16030457-003	3/17/16 23:58	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Manganese	0.02	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Mercury	ND	mg/L	Energy Lab	C16030457-003	3/17/16 23:58	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Molybdenum	ND	mg/L	Energy Lab	C16030457-003	3/17/16 17:23	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Nickel	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Selenium	ND	mg/L	Energy Lab	C16030457-003	3/17/16 23:58	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Uranium	0.0963	mg/L	Energy Lab	C16030457-003	3/17/16 23:58	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Vanadium	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Zinc	ND	mg/L	Energy Lab	C16030457-003	3/16/16 18:38	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Iron	ND	mg/L	Energy Lab	C16030457-003	3/17/16 15:36	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	3/14/2016	Manganese	0.02	mg/L	Energy Lab	C16030457-003	3/17/16 15:36	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	3/14/2016	Gross Alpha	347	pCi/L	Energy Lab	C16030457-003	3/30/16 2:39	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Gross Alpha precision (±)	67.6	pCi/L	Energy Lab	C16030457-003	3/30/16 2:39	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Gross Alpha MDC	2.1	pCi/L	Energy Lab	C16030457-003	3/30/16 2:39	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Gross Beta	57.1	pCi/L	Energy Lab	C16030457-003	3/30/16 2:39	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Gross Beta precision (±)	6.1	pCi/L	Energy Lab	C16030457-003	3/30/16 2:39	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Gross Beta MDC	2.9	pCi/L	Energy Lab	C16030457-003	3/30/16 2:39	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Radium 226	172	pCi/L	Energy Lab	C16030457-003	4/5/16 13:14	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Radium 226 precision (±)	32	pCi/L	Energy Lab	C16030457-003	4/5/16 13:14	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Radium 226 MDC	0.16	pCi/L	Energy Lab	C16030457-003	4/5/16 13:14	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Radium 228	3.4	pCi/L	Energy Lab	C16030457-003	3/31/16 12:04	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Radium 228 precision (±)	1	pCi/L	Energy Lab	C16030457-003	3/31/16 12:04	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	Radium 228 MDC	1.1	pCi/L	Energy Lab	C16030457-003	3/31/16 12:04	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	3/14/2016	A/C Balance (± 5)	1.48	%	Energy Lab	C16030457-003	3/18/16 11:36	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	3/14/2016	Anions	6.26	meq/L	Energy Lab	C16030457-003	3/18/16 11:36	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	3/14/2016	Cations	6.45	meq/L	Energy Lab	C16030457-003	3/18/16 11:36	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	3/14/2016	Solids, Total Dissolved Calculated	410	mg/L	Energy Lab	C16030457-003	3/18/16 11:36	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	3/14/2016	TDS Balance (0.80 - 1.20)	1	unitless	Energy Lab	C16030457-003	3/18/16 11:36	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	2/25/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16020716-004	2/29/16 19:22	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Bicarbonate as HCO3	136	mg/L	Energy Lab	C16020716-004	2/29/16 19:22	A2320 B	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Calcium	94	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Chloride	6	mg/L	Energy Lab	C16020716-004	2/27/16 5:22	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Fluoride	0.1	mg/L	Energy Lab	C16020716-004	2/26/16 15:33	A4500-F C	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Magnesium	4	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16020716-004	3/7/16 17:40	A4500-NH3 G	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16020716-004	3/3/16 13:12	E353.2	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Potassium	3	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Silica	15.5	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	MAJOR IONS

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP501	MU5 Baseline	N/A	2/25/2016	Sodium	32	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Sulfate	187	mg/L	Energy Lab	C16020716-004	2/27/16 5:22	E300.0	MAJOR IONS
MP501	MU5 Baseline	N/A	2/25/2016	Conductivity @ 25 C	599	umhos/cm	Energy Lab	C16020716-004	2/26/16 14:01	A2510 B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	2/25/2016	pH	8.05	s.u.	Energy Lab	C16020716-004	2/26/16 14:01	A4500-H B	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved TDS @ 180 C	415	mg/L	Energy Lab	C16020716-004	2/26/16 15:25	A2540 C	PHYSICAL PROPERTIES
MP501	MU5 Baseline	N/A	2/25/2016	Aluminum	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Arsenic	0.002	mg/L	Energy Lab	C16020716-004	3/2/16 20:05	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Barium	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Boron	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Cadmium	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Chromium	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Copper	ND	mg/L	Energy Lab	C16020716-004	3/2/16 20:05	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Iron	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Lead	ND	mg/L	Energy Lab	C16020716-004	3/2/16 20:05	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Manganese	0.02	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Mercury	ND	mg/L	Energy Lab	C16020716-004	3/2/16 20:05	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Molybdenum	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Nickel	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Selenium	ND	mg/L	Energy Lab	C16020716-004	3/2/16 20:05	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Uranium	0.116	mg/L	Energy Lab	C16020716-004	3/2/16 20:05	E200.8	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Vanadium	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Zinc	ND	mg/L	Energy Lab	C16020716-004	2/29/16 13:08	E200.7	METALS - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Iron	ND	mg/L	Energy Lab	C16020716-004	3/1/16 19:53	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	2/25/2016	Manganese	0.02	mg/L	Energy Lab	C16020716-004	3/1/16 19:53	E200.7	METALS - TOTAL
MP501	MU5 Baseline	N/A	2/25/2016	Gross Alpha	517	pCi/L	Energy Lab	C16020716-004	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Gross Alpha precision (±)	101	pCi/L	Energy Lab	C16020716-004	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Gross Alpha MDC	1.9	pCi/L	Energy Lab	C16020716-004	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Gross Beta	129	pCi/L	Energy Lab	C16020716-004	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Gross Beta precision (±)	13.3	pCi/L	Energy Lab	C16020716-004	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Gross Beta MDC	2.7	pCi/L	Energy Lab	C16020716-004	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Radium 226	181	pCi/L	Energy Lab	C16020716-004	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Radium 226 precision (±)	34	pCi/L	Energy Lab	C16020716-004	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Radium 226 MDC	0.24	pCi/L	Energy Lab	C16020716-004	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Radium 228	2.9	pCi/L	Energy Lab	C16020716-004	3/18/16 11:51	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Radium 228 precision (±)	1.2	pCi/L	Energy Lab	C16020716-004	3/18/16 11:51	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	Radium 228 MDC	1.6	pCi/L	Energy Lab	C16020716-004	3/18/16 11:51	RA-05	RADIONUCLIDES - DISSOLVED
MP501	MU5 Baseline	N/A	2/25/2016	A/C Balance (± 5)	1.51	%	Energy Lab	C16020716-004	3/1/16 14:56	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	2/25/2016	Anions	6.3	meq/L	Energy Lab	C16020716-004	3/1/16 14:56	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	2/25/2016	Cations	6.49	meq/L	Energy Lab	C16020716-004	3/1/16 14:56	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved Calculated	410	mg/L	Energy Lab	C16020716-004	3/1/16 14:56	A1030 E	DATA QUALITY
MP501	MU5 Baseline	N/A	2/25/2016	TDS Balance (0.80 - 1.20)	1	unitless	Energy Lab	C16020716-004	3/1/16 14:56	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/19/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16040624-002	4/22/16 19:43	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Bicarbonate as HCO3	124	mg/L	Energy Lab	C16040624-002	4/22/16 19:43	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Calcium	74	mg/L	Energy Lab	C16040624-002	4/23/16 14:40	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Chloride	5	mg/L	Energy Lab	C16040624-002	4/26/16 17:53	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Fluoride	0.1	mg/L	Energy Lab	C16040624-002	4/22/16 13:48	A4500-F C	MAJOR IONS

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MP502	MU5 Baseline	N/A	4/19/2016	Magnesium	4	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Nitrogen, Ammonia as N	0.06	mg/L	Energy Lab	C16040624-002	4/25/16 13:10	A4500-NH3 G	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16040624-002	4/27/16 13:48	E353.2	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Potassium	4	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Silica	15.6	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Sodium	31	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Sulfate	149	mg/L	Energy Lab	C16040624-002	4/26/16 17:53	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	4/19/2016	Conductivity @ 25 C	523	umhos/cm	Energy Lab	C16040624-002	4/22/16 12:25	A2510 B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	4/19/2016	pH	8.07	s.u.	Energy Lab	C16040624-002	4/22/16 12:25	A4500-H B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	4/19/2016	Solids, Total Dissolved TDS @ 180 C	352	mg/L	Energy Lab	C16040624-002	4/25/16 9:42	A2540 C	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	4/19/2016	Aluminum	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Arsenic	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Barium	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Boron	ND	mg/L	Energy Lab	C16040624-002	4/23/16 14:40	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Cadmium	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Chromium	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Copper	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Iron	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Lead	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Manganese	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Mercury	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Molybdenum	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Nickel	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Selenium	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Uranium	0.0829	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Vanadium	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Zinc	ND	mg/L	Energy Lab	C16040624-002	4/23/16 1:48	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Iron	ND	mg/L	Energy Lab	C16040624-002	4/26/16 17:00	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	4/19/2016	Manganese	ND	mg/L	Energy Lab	C16040624-002	4/26/16 17:00	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	4/19/2016	Gross Alpha	81.8	pCi/L	Energy Lab	C16040624-002	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Gross Alpha precision (±)	16.7	pCi/L	Energy Lab	C16040624-002	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Gross Alpha MDC	2.5	pCi/L	Energy Lab	C16040624-002	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Gross Beta	14.1	pCi/L	Energy Lab	C16040624-002	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Gross Beta precision (±)	2.1	pCi/L	Energy Lab	C16040624-002	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Gross Beta MDC	3.5	pCi/L	Energy Lab	C16040624-002	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Radium 226	4.2	pCi/L	Energy Lab	C16040624-002	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Radium 226 precision (±)	0.88	pCi/L	Energy Lab	C16040624-002	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Radium 226 MDC	0.14	pCi/L	Energy Lab	C16040624-002	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Radium 228	1.8	pCi/L	Energy Lab	C16040624-002	4/28/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Radium 228 precision (±)	1	pCi/L	Energy Lab	C16040624-002	4/28/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	Radium 228 MDC	1.3	pCi/L	Energy Lab	C16040624-002	4/28/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/19/2016	A/C Balance (± 5)	1.36	%	Energy Lab	C16040624-002	5/2/16 12:47	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/19/2016	Anions	5.29	meq/L	Energy Lab	C16040624-002	5/2/16 12:47	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/19/2016	Cations	5.44	meq/L	Energy Lab	C16040624-002	5/2/16 12:47	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/19/2016	Solids, Total Dissolved Calculated	350	mg/L	Energy Lab	C16040624-002	5/2/16 12:47	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/19/2016	TDS Balance (0.80 - 1.20)	1.01	unitless	Energy Lab	C16040624-002	5/2/16 12:47	A1030 E	DATA QUALITY

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MP502	MU5 Baseline	N/A	4/5/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16040178-001	4/8/16 13:23	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Bicarbonate as HCO3	132	mg/L	Energy Lab	C16040178-001	4/8/16 13:23	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Calcium	75	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Chloride	5	mg/L	Energy Lab	C16040178-001	4/7/16 16:45	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Fluoride	0.1	mg/L	Energy Lab	C16040178-001	4/8/16 10:44	A4500-F C	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Magnesium	4	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16040178-001	4/14/16 14:13	A4500-NH3 G	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16040178-001	4/7/16 12:35	E353.2	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Potassium	3	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Silica	15.4	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Sodium	30	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Sulfate	151	mg/L	Energy Lab	C16040178-001	4/7/16 16:45	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	4/5/2016	Conductivity @ 25 C	525	umhos/cm	Energy Lab	C16040178-001	4/7/16 11:04	A2510 B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	4/5/2016	pH	8.18	s.u.	Energy Lab	C16040178-001	4/7/16 11:04	A4500-H B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	4/5/2016	Solids, Total Dissolved TDS @ 180 C	357	mg/L	Energy Lab	C16040178-001	4/7/16 14:46	A2540 C	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	4/5/2016	Aluminum	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Arsenic	0.001	mg/L	Energy Lab	C16040178-001	4/11/16 19:08	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Barium	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Boron	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Cadmium	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Chromium	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Copper	ND	mg/L	Energy Lab	C16040178-001	4/11/16 19:08	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Iron	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Lead	ND	mg/L	Energy Lab	C16040178-001	4/11/16 19:08	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Manganese	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Mercury	ND	mg/L	Energy Lab	C16040178-001	4/11/16 19:08	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Molybdenum	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Nickel	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Selenium	ND	mg/L	Energy Lab	C16040178-001	4/11/16 19:08	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Uranium	0.0846	mg/L	Energy Lab	C16040178-001	4/11/16 19:08	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Vanadium	ND	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Zinc	0.02	mg/L	Energy Lab	C16040178-001	4/7/16 18:41	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Iron	0.17	mg/L	Energy Lab	C16040178-001	4/8/16 16:24	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	4/5/2016	Manganese	0.01	mg/L	Energy Lab	C16040178-001	4/8/16 16:24	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	4/5/2016	Gross Alpha	74.5	pCi/L	Energy Lab	C16040178-001	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Gross Alpha precision (±)	14.9	pCi/L	Energy Lab	C16040178-001	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Gross Alpha MDC	1.3	pCi/L	Energy Lab	C16040178-001	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Gross Beta	10.4	pCi/L	Energy Lab	C16040178-001	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Gross Beta precision (±)	1.5	pCi/L	Energy Lab	C16040178-001	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Gross Beta MDC	2.9	pCi/L	Energy Lab	C16040178-001	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Radium 226	3.7	pCi/L	Energy Lab	C16040178-001	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Radium 226 precision (±)	0.78	pCi/L	Energy Lab	C16040178-001	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Radium 226 MDC	0.15	pCi/L	Energy Lab	C16040178-001	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Radium 228	0.8	pCi/L	Energy Lab	C16040178-001	4/18/16 10:36	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Radium 228 precision (±)	0.9	pCi/L	Energy Lab	C16040178-001	4/18/16 10:36	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	4/5/2016	Radium 228 MDC	1.4	pCi/L	Energy Lab	C16040178-001	4/18/16 10:36	RA-05	RADIONUCLIDES - DISSOLVED

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP502	MU5 Baseline	N/A	4/5/2016	A/C Balance (± 5)	-0.15	%	Energy Lab	C16040178-001	4/11/16 12:03	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/5/2016	Anions	5.45	meq/L	Energy Lab	C16040178-001	4/11/16 12:03	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/5/2016	Cations	5.43	meq/L	Energy Lab	C16040178-001	4/11/16 12:03	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/5/2016	Solids, Total Dissolved Calculated	350	mg/L	Energy Lab	C16040178-001	4/11/16 12:03	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	4/5/2016	TDS Balance (0.80 - 1.20)	1.01	unitless	Energy Lab	C16040178-001	4/11/16 12:03	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	3/14/2016	Alkalinity, Total as CaCO3	106	mg/L	Energy Lab	C16030457-002	3/16/16 13:40	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16030457-002	3/16/16 13:40	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Bicarbonate as HCO3	129	mg/L	Energy Lab	C16030457-002	3/16/16 13:40	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Calcium	77	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Chloride	5	mg/L	Energy Lab	C16030457-002	3/16/16 22:56	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Fluoride	0.1	mg/L	Energy Lab	C16030457-002	3/17/16 14:51	A4500-F C	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Magnesium	4	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16030457-002	3/18/16 17:28	A4500-NH3 G	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16030457-002	3/15/16 15:33	E353.2	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Potassium	3	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Silica	15.9	mg/L	Energy Lab	C16030457-002	3/17/16 17:19	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Sodium	31	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Sulfate	152	mg/L	Energy Lab	C16030457-002	3/16/16 22:56	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	3/14/2016	Conductivity @ 25 C	523	umhos/cm	Energy Lab	C16030457-002	3/15/16 13:52	A2510 B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	3/14/2016	pH	8.23	s.u.	Energy Lab	C16030457-002	3/15/16 13:52	A4500-H B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	3/14/2016	Solids, Total Dissolved TDS @ 180 C	362	mg/L	Energy Lab	C16030457-002	3/18/16 12:00	A2540 C	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	3/14/2016	Aluminum	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Arsenic	0.001	mg/L	Energy Lab	C16030457-002	3/17/16 23:53	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Barium	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Boron	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Cadmium	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Chromium	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Copper	ND	mg/L	Energy Lab	C16030457-002	3/17/16 23:53	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Iron	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Lead	ND	mg/L	Energy Lab	C16030457-002	3/17/16 23:53	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Manganese	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Mercury	ND	mg/L	Energy Lab	C16030457-002	3/17/16 23:53	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Molybdenum	ND	mg/L	Energy Lab	C16030457-002	3/17/16 17:19	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Nickel	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Selenium	ND	mg/L	Energy Lab	C16030457-002	3/17/16 23:53	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Uranium	0.0872	mg/L	Energy Lab	C16030457-002	3/17/16 23:53	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Vanadium	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Zinc	ND	mg/L	Energy Lab	C16030457-002	3/16/16 18:42	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Iron	ND	mg/L	Energy Lab	C16030457-002	3/17/16 15:20	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	3/14/2016	Manganese	ND	mg/L	Energy Lab	C16030457-002	3/17/16 15:20	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	3/14/2016	Gross Alpha	100	pCi/L	Energy Lab	C16030457-002	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Gross Alpha precision (±)	20	pCi/L	Energy Lab	C16030457-002	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Gross Alpha MDC	2.4	pCi/L	Energy Lab	C16030457-002	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Gross Beta	16.5	pCi/L	Energy Lab	C16030457-002	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Gross Beta precision (±)	2.1	pCi/L	Energy Lab	C16030457-002	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Gross Beta MDC	2.9	pCi/L	Energy Lab	C16030457-002	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP502	MU5 Baseline	N/A	3/14/2016	Radium 226	4.1	pCi/L	Energy Lab	C16030457-002	4/5/16 13:14	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Radium 226 precision (±)	0.85	pCi/L	Energy Lab	C16030457-002	4/5/16 13:14	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Radium 226 MDC	0.17	pCi/L	Energy Lab	C16030457-002	4/5/16 13:14	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Radium 228	2.1	pCi/L	Energy Lab	C16030457-002	3/31/16 13:37	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Radium 228 precision (±)	0.9	pCi/L	Energy Lab	C16030457-002	3/31/16 13:37	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	Radium 228 MDC	1.4	pCi/L	Energy Lab	C16030457-002	3/31/16 13:37	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	3/14/2016	A/C Balance (± 5)	1.32	%	Energy Lab	C16030457-002	3/18/16 11:35	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	3/14/2016	Anions	5.44	meq/L	Energy Lab	C16030457-002	3/18/16 11:35	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	3/14/2016	Cations	5.58	meq/L	Energy Lab	C16030457-002	3/18/16 11:35	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	3/14/2016	Solids, Total Dissolved Calculated	360	mg/L	Energy Lab	C16030457-002	3/18/16 11:35	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	3/14/2016	TDS Balance (0.80 - 1.20)	1.02	unitless	Energy Lab	C16030457-002	3/22/16 12:50	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	2/25/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16020716-002	2/29/16 19:07	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Bicarbonate as HCO3	117	mg/L	Energy Lab	C16020716-002	2/29/16 19:07	A2320 B	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Calcium	76	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Chloride	5	mg/L	Energy Lab	C16020716-002	2/27/16 4:45	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Fluoride	0.1	mg/L	Energy Lab	C16020716-002	2/26/16 15:22	A4500-F C	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Magnesium	3	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Nitrogen, Ammonia as N	0.05	mg/L	Energy Lab	C16020716-002	3/7/16 17:38	A4500-NH3 G	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16020716-002	3/3/16 13:10	E353.2	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Potassium	4	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Silica	15.4	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Sodium	31	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Sulfate	154	mg/L	Energy Lab	C16020716-002	2/27/16 4:45	E300.0	MAJOR IONS
MP502	MU5 Baseline	N/A	2/25/2016	Conductivity @ 25 C	523	umhos/cm	Energy Lab	C16020716-002	2/26/16 13:55	A2510 B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	2/25/2016	pH	8.59	s.u.	Energy Lab	C16020716-002	2/26/16 13:55	A4500-H B	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved TDS @ 180 C	357	mg/L	Energy Lab	C16020716-002	2/26/16 15:25	A2540 C	PHYSICAL PROPERTIES
MP502	MU5 Baseline	N/A	2/25/2016	Aluminum	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Arsenic	0.001	mg/L	Energy Lab	C16020716-002	3/2/16 19:55	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Barium	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Boron	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Cadmium	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Chromium	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Copper	ND	mg/L	Energy Lab	C16020716-002	3/2/16 19:55	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Iron	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Lead	ND	mg/L	Energy Lab	C16020716-002	3/2/16 19:55	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Manganese	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Mercury	ND	mg/L	Energy Lab	C16020716-002	3/2/16 19:55	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Molybdenum	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Nickel	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Selenium	ND	mg/L	Energy Lab	C16020716-002	3/2/16 19:55	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Uranium	0.0855	mg/L	Energy Lab	C16020716-002	3/2/16 19:55	E200.8	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Vanadium	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Zinc	ND	mg/L	Energy Lab	C16020716-002	2/29/16 13:00	E200.7	METALS - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Iron	0.07	mg/L	Energy Lab	C16020716-002	3/1/16 19:45	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	2/25/2016	Manganese	ND	mg/L	Energy Lab	C16020716-002	3/1/16 19:45	E200.7	METALS - TOTAL
MP502	MU5 Baseline	N/A	2/25/2016	Gross Alpha	89	pCi/L	Energy Lab	C16020716-002	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED

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MP502	MU5 Baseline	N/A	2/25/2016	Gross Alpha precision (±)	17.8	pCi/L	Energy Lab	C16020716-002	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Gross Alpha MDC	1.6	pCi/L	Energy Lab	C16020716-002	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Gross Beta	27.3	pCi/L	Energy Lab	C16020716-002	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Gross Beta precision (±)	3.2	pCi/L	Energy Lab	C16020716-002	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Gross Beta MDC	2.6	pCi/L	Energy Lab	C16020716-002	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Radium 226	5.4	pCi/L	Energy Lab	C16020716-002	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Radium 226 precision (±)	1.2	pCi/L	Energy Lab	C16020716-002	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Radium 226 MDC	0.26	pCi/L	Energy Lab	C16020716-002	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Radium 228	2.6	pCi/L	Energy Lab	C16020716-002	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Radium 228 precision (±)	1.1	pCi/L	Energy Lab	C16020716-002	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	Radium 228 MDC	1.5	pCi/L	Energy Lab	C16020716-002	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP502	MU5 Baseline	N/A	2/25/2016	A/C Balance (± 5)	1.35	%	Energy Lab	C16020716-002	3/1/16 14:55	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	2/25/2016	Anions	5.36	meq/L	Energy Lab	C16020716-002	3/1/16 14:55	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	2/25/2016	Cations	5.5	meq/L	Energy Lab	C16020716-002	3/1/16 14:55	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved Calculated	350	mg/L	Energy Lab	C16020716-002	3/1/16 14:55	A1030 E	DATA QUALITY
MP502	MU5 Baseline	N/A	2/25/2016	TDS Balance (0.80 - 1.20)	1.01	unitless	Energy Lab	C16020716-002	3/1/16 14:55	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/19/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16040624-001	4/22/16 19:36	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Bicarbonate as HCO3	136	mg/L	Energy Lab	C16040624-001	4/22/16 19:36	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Calcium	90	mg/L	Energy Lab	C16040624-001	4/23/16 14:29	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Chloride	6	mg/L	Energy Lab	C16040624-001	4/26/16 17:34	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Fluoride	ND	mg/L	Energy Lab	C16040624-001	4/22/16 13:45	A4500-F C	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Magnesium	4	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16040624-001	4/25/16 13:08	A4500-NH3 G	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16040624-001	4/27/16 13:47	E353.2	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Potassium	3	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Silica	15.7	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Sodium	32	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Sulfate	186	mg/L	Energy Lab	C16040624-001	4/26/16 17:34	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	4/19/2016	Conductivity @ 25 C	609	umhos/cm	Energy Lab	C16040624-001	4/22/16 12:22	A2510 B	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	4/19/2016	pH	7.86	s.u.	Energy Lab	C16040624-001	4/22/16 12:22	A4500-H B	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	4/19/2016	Solids, Total Dissolved TDS @ 180 C	420	mg/L	Energy Lab	C16040624-001	4/25/16 9:41	A2540 C	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	4/19/2016	Aluminum	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Arsenic	0.001	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Barium	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Boron	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Cadmium	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Chromium	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Copper	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Iron	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Lead	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Manganese	0.02	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Mercury	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Molybdenum	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Nickel	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Selenium	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Uranium	0.0863	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP503	MU5 Baseline	N/A	4/19/2016	Vanadium	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Zinc	ND	mg/L	Energy Lab	C16040624-001	4/23/16 0:50	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Iron	0.05	mg/L	Energy Lab	C16040624-001	4/26/16 16:56	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	4/19/2016	Manganese	0.03	mg/L	Energy Lab	C16040624-001	4/26/16 16:56	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	4/19/2016	Gross Alpha	267	pCi/L	Energy Lab	C16040624-001	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Gross Alpha precision (±)	52.4	pCi/L	Energy Lab	C16040624-001	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Gross Alpha MDC	1.6	pCi/L	Energy Lab	C16040624-001	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Gross Beta	59.4	pCi/L	Energy Lab	C16040624-001	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Gross Beta precision (±)	6.5	pCi/L	Energy Lab	C16040624-001	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Gross Beta MDC	3.5	pCi/L	Energy Lab	C16040624-001	4/28/16 21:43	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Radium 226	136	pCi/L	Energy Lab	C16040624-001	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Radium 226 precision (±)	26	pCi/L	Energy Lab	C16040624-001	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Radium 226 MDC	0.15	pCi/L	Energy Lab	C16040624-001	5/3/16 14:11	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Radium 228	3.4	pCi/L	Energy Lab	C16040624-001	4/28/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Radium 228 precision (±)	1.1	pCi/L	Energy Lab	C16040624-001	4/28/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	Radium 228 MDC	1.3	pCi/L	Energy Lab	C16040624-001	4/28/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/19/2016	A/C Balance (± 5)	0.29	%	Energy Lab	C16040624-001	5/2/16 12:45	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/19/2016	Anions	6.28	meq/L	Energy Lab	C16040624-001	5/2/16 12:45	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/19/2016	Cations	6.32	meq/L	Energy Lab	C16040624-001	5/2/16 12:45	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/19/2016	Solids, Total Dissolved Calculated	410	mg/L	Energy Lab	C16040624-001	5/2/16 12:45	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/19/2016	TDS Balance (0.80 - 1.20)	1.03	unitless	Energy Lab	C16040624-001	5/2/16 12:45	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/5/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16040178-002	4/8/16 13:38	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Bicarbonate as HCO3	147	mg/L	Energy Lab	C16040178-002	4/8/16 13:38	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Calcium	92	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Chloride	5	mg/L	Energy Lab	C16040178-002	4/7/16 17:04	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Fluoride	0.1	mg/L	Energy Lab	C16040178-002	4/8/16 10:51	A4500-F C	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Magnesium	4	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16040178-002	4/14/16 14:14	A4500-NH3 G	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16040178-002	4/7/16 12:36	E353.2	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Potassium	2	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Silica	15.3	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Sodium	31	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Sulfate	182	mg/L	Energy Lab	C16040178-002	4/7/16 17:04	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	4/5/2016	Conductivity @ 25 C	608	umhos/cm	Energy Lab	C16040178-002	4/7/16 11:07	A2510 B	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	4/5/2016	pH	7.91	s.u.	Energy Lab	C16040178-002	4/7/16 11:07	A4500-H B	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	4/5/2016	Solids, Total Dissolved TDS @ 180 C	417	mg/L	Energy Lab	C16040178-002	4/7/16 14:47	A2540 C	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	4/5/2016	Aluminum	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Arsenic	0.001	mg/L	Energy Lab	C16040178-002	4/11/16 19:13	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Barium	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Boron	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Cadmium	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Chromium	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Copper	ND	mg/L	Energy Lab	C16040178-002	4/11/16 19:13	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Iron	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Lead	ND	mg/L	Energy Lab	C16040178-002	4/11/16 19:13	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Manganese	0.02	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP503	MU5 Baseline	N/A	4/5/2016	Mercury	ND	mg/L	Energy Lab	C16040178-002	4/11/16 19:13	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Molybdenum	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Nickel	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Selenium	ND	mg/L	Energy Lab	C16040178-002	4/11/16 19:13	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Uranium	0.0879	mg/L	Energy Lab	C16040178-002	4/11/16 19:13	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Vanadium	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Zinc	ND	mg/L	Energy Lab	C16040178-002	4/7/16 18:45	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Iron	0.31	mg/L	Energy Lab	C16040178-002	4/8/16 16:36	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	4/5/2016	Manganese	0.03	mg/L	Energy Lab	C16040178-002	4/8/16 16:36	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	4/5/2016	Gross Alpha	316	pCi/L	Energy Lab	C16040178-002	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Gross Alpha precision (±)	61.6	pCi/L	Energy Lab	C16040178-002	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Gross Alpha MDC	2.1	pCi/L	Energy Lab	C16040178-002	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Gross Beta	36.1	pCi/L	Energy Lab	C16040178-002	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Gross Beta precision (±)	3.9	pCi/L	Energy Lab	C16040178-002	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Gross Beta MDC	2.9	pCi/L	Energy Lab	C16040178-002	4/13/16 22:44	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Radium 226	133	pCi/L	Energy Lab	C16040178-002	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Radium 226 precision (±)	25	pCi/L	Energy Lab	C16040178-002	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Radium 226 MDC	0.14	pCi/L	Energy Lab	C16040178-002	4/25/16 13:00	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Radium 228	3.2	pCi/L	Energy Lab	C16040178-002	4/18/16 10:36	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Radium 228 precision (±)	1	pCi/L	Energy Lab	C16040178-002	4/18/16 10:36	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	Radium 228 MDC	1.3	pCi/L	Energy Lab	C16040178-002	4/18/16 10:36	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	4/5/2016	A/C Balance (± 5)	0	%	Energy Lab	C16040178-002	4/11/16 12:03	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/5/2016	Anions	6.36	meq/L	Energy Lab	C16040178-002	4/11/16 12:03	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/5/2016	Cations	6.36	meq/L	Energy Lab	C16040178-002	4/11/16 12:03	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/5/2016	Solids, Total Dissolved Calculated	410	mg/L	Energy Lab	C16040178-002	4/11/16 12:03	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	4/5/2016	TDS Balance (0.80 - 1.20)	1.02	unitless	Energy Lab	C16040178-002	4/11/16 12:03	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	3/14/2016	Alkalinity, Total as CaCO3	115	mg/L	Energy Lab	C16030457-001	3/16/16 13:32	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16030457-001	3/16/16 13:32	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Bicarbonate as HCO3	140	mg/L	Energy Lab	C16030457-001	3/16/16 13:32	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Calcium	94	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Chloride	6	mg/L	Energy Lab	C16030457-001	3/16/16 22:37	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Fluoride	0.1	mg/L	Energy Lab	C16030457-001	3/17/16 14:43	A4500-F C	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Magnesium	4	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Nitrogen, Ammonia as N	0.0677	mg/L	Energy Lab	C16030457-001	3/18/16 17:27	A4500-NH3 G	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16030457-001	3/15/16 15:32	E353.2	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Potassium	3	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Silica	16.1	mg/L	Energy Lab	C16030457-001	3/17/16 17:08	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Sodium	32	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Sulfate	188	mg/L	Energy Lab	C16030457-001	3/16/16 22:37	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	3/14/2016	Conductivity @ 25 C	598	umhos/cm	Energy Lab	C16030457-001	3/15/16 13:49	A2510 B	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	3/14/2016	pH	7.93	s.u.	Energy Lab	C16030457-001	3/15/16 13:49	A4500-H B	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	3/14/2016	Solids, Total Dissolved TDS @ 180 C	422	mg/L	Energy Lab	C16030457-001	3/18/16 12:00	A2540 C	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	3/14/2016	Aluminum	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Arsenic	0.001	mg/L	Energy Lab	C16030457-001	3/17/16 23:48	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Barium	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Boron	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP503	MU5 Baseline	N/A	3/14/2016	Cadmium	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Chromium	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Copper	ND	mg/L	Energy Lab	C16030457-001	3/17/16 23:48	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Iron	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Lead	ND	mg/L	Energy Lab	C16030457-001	3/17/16 23:48	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Manganese	0.02	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Mercury	ND	mg/L	Energy Lab	C16030457-001	3/17/16 23:48	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Molybdenum	ND	mg/L	Energy Lab	C16030457-001	3/17/16 17:08	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Nickel	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Selenium	ND	mg/L	Energy Lab	C16030457-001	3/17/16 23:48	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Uranium	0.0887	mg/L	Energy Lab	C16030457-001	3/17/16 23:48	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Vanadium	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Zinc	ND	mg/L	Energy Lab	C16030457-001	3/16/16 18:46	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Iron	0.33	mg/L	Energy Lab	C16030457-001	3/17/16 15:16	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	3/14/2016	Manganese	0.03	mg/L	Energy Lab	C16030457-001	3/17/16 15:16	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	3/14/2016	Gross Alpha	282	pCi/L	Energy Lab	C16030457-001	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Gross Alpha precision (±)	55.2	pCi/L	Energy Lab	C16030457-001	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Gross Alpha MDC	2.2	pCi/L	Energy Lab	C16030457-001	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Gross Beta	66.8	pCi/L	Energy Lab	C16030457-001	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Gross Beta precision (±)	7.1	pCi/L	Energy Lab	C16030457-001	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Gross Beta MDC	2.9	pCi/L	Energy Lab	C16030457-001	3/31/16 23:49	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Radium 226	123	pCi/L	Energy Lab	C16030457-001	4/5/16 11:07	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Radium 226 precision (±)	23	pCi/L	Energy Lab	C16030457-001	4/5/16 11:07	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Radium 226 MDC	0.16	pCi/L	Energy Lab	C16030457-001	4/5/16 11:07	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Radium 228	3.5	pCi/L	Energy Lab	C16030457-001	3/31/16 13:37	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Radium 228 precision (±)	1.2	pCi/L	Energy Lab	C16030457-001	3/31/16 13:37	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	Radium 228 MDC	1.3	pCi/L	Energy Lab	C16030457-001	3/31/16 13:37	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	3/14/2016	A/C Balance (± 5)	0.87	%	Energy Lab	C16030457-001	3/18/16 11:35	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	3/14/2016	Anions	6.38	meq/L	Energy Lab	C16030457-001	3/18/16 11:35	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	3/14/2016	Cations	6.49	meq/L	Energy Lab	C16030457-001	3/18/16 11:35	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	3/14/2016	Solids, Total Dissolved Calculated	420	mg/L	Energy Lab	C16030457-001	3/18/16 11:35	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	3/14/2016	TDS Balance (0.80 - 1.20)	1.01	unitless	Energy Lab	C16030457-001	3/22/16 12:50	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	2/25/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16020716-001	2/29/16 19:00	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Bicarbonate as HCO3	135	mg/L	Energy Lab	C16020716-001	2/29/16 19:00	A2320 B	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Calcium	92	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Chloride	6	mg/L	Energy Lab	C16020716-001	2/27/16 4:27	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Fluoride	0.1	mg/L	Energy Lab	C16020716-001	2/26/16 15:14	A4500-F C	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Magnesium	4	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16020716-001	3/7/16 17:37	A4500-NH3 G	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16020716-001	3/3/16 13:08	E353.2	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Potassium	3	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Silica	15.9	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Sodium	33	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Sulfate	184	mg/L	Energy Lab	C16020716-001	2/27/16 4:27	E300.0	MAJOR IONS
MP503	MU5 Baseline	N/A	2/25/2016	Conductivity @ 25 C	595	umhos/cm	Energy Lab	C16020716-001	2/26/16 13:52	A2510 B	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	2/25/2016	pH	7.96	s.u.	Energy Lab	C16020716-001	2/26/16 13:52	A4500-H B	PHYSICAL PROPERTIES

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MP503	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved TDS @ 180 C	409	mg/L	Energy Lab	C16020716-001	2/26/16 15:24	A2540 C	PHYSICAL PROPERTIES
MP503	MU5 Baseline	N/A	2/25/2016	Aluminum	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Arsenic	0.002	mg/L	Energy Lab	C16020716-001	3/2/16 19:49	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Barium	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Boron	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Cadmium	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Chromium	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Copper	0.01	mg/L	Energy Lab	C16020716-001	3/2/16 19:49	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Iron	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Lead	ND	mg/L	Energy Lab	C16020716-001	3/2/16 19:49	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Manganese	0.02	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Mercury	ND	mg/L	Energy Lab	C16020716-001	3/2/16 19:49	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Molybdenum	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Nickel	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Selenium	ND	mg/L	Energy Lab	C16020716-001	3/2/16 19:49	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Uranium	0.112	mg/L	Energy Lab	C16020716-001	3/2/16 19:49	E200.8	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Vanadium	ND	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Zinc	0.01	mg/L	Energy Lab	C16020716-001	2/29/16 12:49	E200.7	METALS - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Iron	0.75	mg/L	Energy Lab	C16020716-001	3/1/16 19:41	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	2/25/2016	Manganese	0.03	mg/L	Energy Lab	C16020716-001	3/1/16 19:41	E200.7	METALS - TOTAL
MP503	MU5 Baseline	N/A	2/25/2016	Gross Alpha	413	pCi/L	Energy Lab	C16020716-001	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Gross Alpha precision (±)	80.5	pCi/L	Energy Lab	C16020716-001	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Gross Alpha MDC	2.2	pCi/L	Energy Lab	C16020716-001	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Gross Beta	110	pCi/L	Energy Lab	C16020716-001	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Gross Beta precision (±)	11.4	pCi/L	Energy Lab	C16020716-001	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Gross Beta MDC	2.9	pCi/L	Energy Lab	C16020716-001	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Radium 226	121	pCi/L	Energy Lab	C16020716-001	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Radium 226 precision (±)	23	pCi/L	Energy Lab	C16020716-001	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Radium 226 MDC	0.23	pCi/L	Energy Lab	C16020716-001	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Radium 228	3.9	pCi/L	Energy Lab	C16020716-001	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Radium 228 precision (±)	1.2	pCi/L	Energy Lab	C16020716-001	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	Radium 228 MDC	1.3	pCi/L	Energy Lab	C16020716-001	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP503	MU5 Baseline	N/A	2/25/2016	A/C Balance (± 5)	1.42	%	Energy Lab	C16020716-001	3/1/16 14:55	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	2/25/2016	Anions	6.23	meq/L	Energy Lab	C16020716-001	3/1/16 14:55	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	2/25/2016	Cations	6.41	meq/L	Energy Lab	C16020716-001	3/1/16 14:55	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved Calculated	410	mg/L	Energy Lab	C16020716-001	3/1/16 14:55	A1030 E	DATA QUALITY
MP503	MU5 Baseline	N/A	2/25/2016	TDS Balance (0.80 - 1.20)	1	unitless	Energy Lab	C16020716-001	3/1/16 14:55	A1030 E	DATA QUALITY
MP590	MU5 Baseline	N/A	2/25/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16020716-003	2/29/16 19:15	A2320 B	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Bicarbonate as HCO3	120	mg/L	Energy Lab	C16020716-003	2/29/16 19:15	A2320 B	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Calcium	76	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Chloride	5	mg/L	Energy Lab	C16020716-003	2/27/16 5:03	E300.0	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Fluoride	0.1	mg/L	Energy Lab	C16020716-003	2/26/16 15:30	A4500-F C	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Magnesium	3	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16020716-003	3/7/16 17:39	A4500-NH3 G	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16020716-003	3/3/16 13:11	E353.2	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Potassium	4	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	MAJOR IONS

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MP590	MU5 Baseline	N/A	2/25/2016	Silica	15.3	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Sodium	31	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Sulfate	154	mg/L	Energy Lab	C16020716-003	2/27/16 5:03	E300.0	MAJOR IONS
MP590	MU5 Baseline	N/A	2/25/2016	Conductivity @ 25 C	526	umhos/cm	Energy Lab	C16020716-003	2/26/16 13:58	A2510 B	PHYSICAL PROPERTIES
MP590	MU5 Baseline	N/A	2/25/2016	pH	8.48	s.u.	Energy Lab	C16020716-003	2/26/16 13:58	A4500-H B	PHYSICAL PROPERTIES
MP590	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved TDS @ 180 C	360	mg/L	Energy Lab	C16020716-003	2/26/16 15:25	A2540 C	PHYSICAL PROPERTIES
MP590	MU5 Baseline	N/A	2/25/2016	Aluminum	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Arsenic	0.001	mg/L	Energy Lab	C16020716-003	3/2/16 20:00	E200.8	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Barium	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Boron	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Cadmium	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Chromium	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Copper	ND	mg/L	Energy Lab	C16020716-003	3/2/16 20:00	E200.8	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Iron	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Lead	ND	mg/L	Energy Lab	C16020716-003	3/2/16 20:00	E200.8	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Manganese	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Mercury	ND	mg/L	Energy Lab	C16020716-003	3/2/16 20:00	E200.8	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Molybdenum	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Nickel	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Selenium	ND	mg/L	Energy Lab	C16020716-003	3/2/16 20:00	E200.8	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Uranium	0.089	mg/L	Energy Lab	C16020716-003	3/2/16 20:00	E200.8	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Vanadium	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Zinc	ND	mg/L	Energy Lab	C16020716-003	2/29/16 13:04	E200.7	METALS - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Iron	0.05	mg/L	Energy Lab	C16020716-003	3/1/16 19:49	E200.7	METALS - TOTAL
MP590	MU5 Baseline	N/A	2/25/2016	Manganese	ND	mg/L	Energy Lab	C16020716-003	3/1/16 19:49	E200.7	METALS - TOTAL
MP590	MU5 Baseline	N/A	2/25/2016	Gross Alpha	120	pCi/L	Energy Lab	C16020716-003	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Gross Alpha precision (±)	23.7	pCi/L	Energy Lab	C16020716-003	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Gross Alpha MDC	1.9	pCi/L	Energy Lab	C16020716-003	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Gross Beta	27	pCi/L	Energy Lab	C16020716-003	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Gross Beta precision (±)	3.2	pCi/L	Energy Lab	C16020716-003	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Gross Beta MDC	2.8	pCi/L	Energy Lab	C16020716-003	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Radium 226	8.4	pCi/L	Energy Lab	C16020716-003	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Radium 226 precision (±)	1.7	pCi/L	Energy Lab	C16020716-003	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Radium 226 MDC	0.23	pCi/L	Energy Lab	C16020716-003	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Radium 228	1.5	pCi/L	Energy Lab	C16020716-003	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Radium 228 precision (±)	0.7	pCi/L	Energy Lab	C16020716-003	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	Radium 228 MDC	1.3	pCi/L	Energy Lab	C16020716-003	3/18/16 10:15	RA-05	RADIONUCLIDES - DISSOLVED
MP590	MU5 Baseline	N/A	2/25/2016	A/C Balance (± 5)	0.82	%	Energy Lab	C16020716-003	3/1/16 14:56	A1030 E	DATA QUALITY
MP590	MU5 Baseline	N/A	2/25/2016	Anions	5.39	meq/L	Energy Lab	C16020716-003	3/1/16 14:56	A1030 E	DATA QUALITY
MP590	MU5 Baseline	N/A	2/25/2016	Cations	5.48	meq/L	Energy Lab	C16020716-003	3/1/16 14:56	A1030 E	DATA QUALITY
MP590	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved Calculated	350	mg/L	Energy Lab	C16020716-003	3/1/16 14:56	A1030 E	DATA QUALITY
MP590	MU5 Baseline	N/A	2/25/2016	TDS Balance (0.80 - 1.20)	1.02	unitless	Energy Lab	C16020716-003	3/1/16 14:56	A1030 E	DATA QUALITY
MP591	MU5 Baseline	N/A	2/25/2016	Carbonate as CO3	ND	mg/L	Energy Lab	C16020716-005	2/29/16 19:27	A2320 B	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Bicarbonate as HCO3	ND	mg/L	Energy Lab	C16020716-005	2/29/16 19:27	A2320 B	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Calcium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Chloride	ND	mg/L	Energy Lab	C16020716-005	2/27/16 5:40	E300.0	MAJOR IONS

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MP591	MU5 Baseline	N/A	2/25/2016	Fluoride	ND	mg/L	Energy Lab	C16020716-005	2/26/16 15:36	A4500-F C	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Magnesium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C16020716-005	3/7/16 17:42	A4500-NH3 G	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C16020716-005	3/3/16 13:13	E353.2	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Potassium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Silica	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Sodium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Sulfate	ND	mg/L	Energy Lab	C16020716-005	2/27/16 5:40	E300.0	MAJOR IONS
MP591	MU5 Baseline	N/A	2/25/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16020716-005	2/26/16 14:04	A2510 B	PHYSICAL PROPERTIES
MP591	MU5 Baseline	N/A	2/25/2016	pH	5.88	s.u.	Energy Lab	C16020716-005	2/26/16 14:04	A4500-H B	PHYSICAL PROPERTIES
MP591	MU5 Baseline	N/A	2/25/2016	Solids, Total Dissolved TDS @ 180 C	ND	mg/L	Energy Lab	C16020716-005	2/26/16 15:26	A2540 C	PHYSICAL PROPERTIES
MP591	MU5 Baseline	N/A	2/25/2016	Aluminum	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Arsenic	ND	mg/L	Energy Lab	C16020716-005	3/2/16 20:11	E200.8	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Barium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Boron	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Cadmium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Chromium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Copper	ND	mg/L	Energy Lab	C16020716-005	3/2/16 20:11	E200.8	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Iron	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Lead	ND	mg/L	Energy Lab	C16020716-005	3/2/16 20:11	E200.8	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Manganese	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Mercury	ND	mg/L	Energy Lab	C16020716-005	3/2/16 20:11	E200.8	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Molybdenum	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Nickel	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Selenium	ND	mg/L	Energy Lab	C16020716-005	3/2/16 20:11	E200.8	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Uranium	0.001	mg/L	Energy Lab	C16020716-005	3/2/16 20:11	E200.8	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Vanadium	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Zinc	ND	mg/L	Energy Lab	C16020716-005	2/29/16 13:23	E200.7	METALS - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Iron	ND	mg/L	Energy Lab	C16020716-005	3/1/16 19:57	E200.7	METALS - TOTAL
MP591	MU5 Baseline	N/A	2/25/2016	Manganese	ND	mg/L	Energy Lab	C16020716-005	3/1/16 19:57	E200.7	METALS - TOTAL
MP591	MU5 Baseline	N/A	2/25/2016	Gross Alpha	1.3	pCi/L	Energy Lab	C16020716-005	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Gross Alpha precision (±)	1	pCi/L	Energy Lab	C16020716-005	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Gross Alpha MDC	1.1	pCi/L	Energy Lab	C16020716-005	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Gross Beta	3.5	pCi/L	Energy Lab	C16020716-005	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Gross Beta precision (±)	1.6	pCi/L	Energy Lab	C16020716-005	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Gross Beta MDC	2.7	pCi/L	Energy Lab	C16020716-005	3/22/16 7:03	E900.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Radium 226	0.21	pCi/L	Energy Lab	C16020716-005	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Radium 226 precision (±)	0.16	pCi/L	Energy Lab	C16020716-005	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Radium 226 MDC	0.21	pCi/L	Energy Lab	C16020716-005	3/23/16 10:11	E903.0	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Radium 228	0.07	pCi/L	Energy Lab	C16020716-005	3/18/16 11:51	RA-05	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Radium 228 precision (±)	0.9	pCi/L	Energy Lab	C16020716-005	3/18/16 11:51	RA-05	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	Radium 228 MDC	1.4	pCi/L	Energy Lab	C16020716-005	3/18/16 11:51	RA-05	RADIONUCLIDES - DISSOLVED
MP591	MU5 Baseline	N/A	2/25/2016	A/C Balance (± 5)	-41	%	Energy Lab	C16020716-005	3/1/16 14:56	A1030 E	DATA QUALITY
MP591	MU5 Baseline	N/A	2/25/2016	Anions	0.04	meq/L	Energy Lab	C16020716-005	3/1/16 14:56	A1030 E	DATA QUALITY
MP591	MU5 Baseline	N/A	2/25/2016	Cations	0.02	meq/L	Energy Lab	C16020716-005	3/1/16 14:56	A1030 E	DATA QUALITY
MU101	MU1 UCL Monitor	SM	6/2/2016	Alkalinity, Total as CaCO3	123	mg/L	Energy Lab	C16060265-001	6/9/16 17:25	A2320 B	MAJOR IONS

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MU101	MU1 UCL Monitor	SM	6/2/2016	Chloride	5	mg/L	Energy Lab	C16060265-001	6/9/16 18:48	E300.0	MAJOR IONS
MU101	MU1 UCL Monitor	SM	6/2/2016	Conductivity @ 25 C	532	umhos/cm	Energy Lab	C16060265-001	6/9/16 11:59	A2510 B	PHYSICAL PROPERTIES
MU101	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	116	mg/L	Energy Lab	C16050694-029	5/24/16 17:38	A2320 B	MAJOR IONS
MU101	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-029	5/25/16 9:03	E300.0	MAJOR IONS
MU101	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	533	umhos/cm	Energy Lab	C16050694-029	5/24/16 14:09	A2510 B	PHYSICAL PROPERTIES
MU101	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	115	mg/L	Energy Lab	C16050664-042	5/23/16 21:01	A2320 B	MAJOR IONS
MU101	MU1 UCL Monitor	SM	5/4/2016	Chloride	5	mg/L	Energy Lab	C16050664-042	5/24/16 11:29	E300.0	MAJOR IONS
MU101	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	534	umhos/cm	Energy Lab	C16050664-042	5/23/16 17:06	A2510 B	PHYSICAL PROPERTIES
MU102	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	113	mg/L	Energy Lab	C16060265-003	6/9/16 17:41	A2320 B	MAJOR IONS
MU102	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-003	6/9/16 19:58	E300.0	MAJOR IONS
MU102	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	330	umhos/cm	Energy Lab	C16060265-003	6/9/16 12:05	A2510 B	PHYSICAL PROPERTIES
MU102	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	111	mg/L	Energy Lab	C16050694-031	5/24/16 18:01	A2320 B	MAJOR IONS
MU102	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-031	5/25/16 9:40	E300.0	MAJOR IONS
MU102	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	426	umhos/cm	Energy Lab	C16050694-031	5/24/16 14:15	A2510 B	PHYSICAL PROPERTIES
MU102	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050664-045	5/23/16 21:29	A2320 B	MAJOR IONS
MU102	MU1 UCL Monitor	SM	5/4/2016	Chloride	4	mg/L	Energy Lab	C16050664-045	5/24/16 12:21	E300.0	MAJOR IONS
MU102	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	420	umhos/cm	Energy Lab	C16050664-045	5/23/16 17:15	A2510 B	PHYSICAL PROPERTIES
MU103	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	110	mg/L	Energy Lab	C16060265-005	6/9/16 17:58	A2320 B	MAJOR IONS
MU103	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-005	6/9/16 20:32	E300.0	MAJOR IONS
MU103	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	414	umhos/cm	Energy Lab	C16060265-005	6/9/16 12:12	A2510 B	PHYSICAL PROPERTIES
MU103	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16050694-033	5/24/16 18:17	A2320 B	MAJOR IONS
MU103	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-033	5/25/16 11:13	E300.0	MAJOR IONS
MU103	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	418	umhos/cm	Energy Lab	C16050694-033	5/24/16 14:26	A2510 B	PHYSICAL PROPERTIES
MU103	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	119	mg/L	Energy Lab	C16050664-046	5/23/16 21:39	A2320 B	MAJOR IONS
MU103	MU1 UCL Monitor	SM	5/4/2016	Chloride	4	mg/L	Energy Lab	C16050664-046	5/24/16 12:39	E300.0	MAJOR IONS
MU103	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	414	umhos/cm	Energy Lab	C16050664-046	5/23/16 17:18	A2510 B	PHYSICAL PROPERTIES
MU104	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	89	mg/L	Energy Lab	C16060265-007	6/9/16 18:13	A2320 B	MAJOR IONS
MU104	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-007	6/9/16 21:07	E300.0	MAJOR IONS
MU104	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	388	umhos/cm	Energy Lab	C16060265-007	6/9/16 12:18	A2510 B	PHYSICAL PROPERTIES
MU104	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	116	mg/L	Energy Lab	C16050694-035	5/24/16 18:33	A2320 B	MAJOR IONS
MU104	MU1 UCL Monitor	SM	5/19/2016	Chloride	5	mg/L	Energy Lab	C16050694-035	5/25/16 12:26	E300.0	MAJOR IONS
MU104	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	392	umhos/cm	Energy Lab	C16050694-035	5/24/16 14:32	A2510 B	PHYSICAL PROPERTIES
MU104	MU1 UCL Monitor	SM	5/4/2016	Alkalinity, Total as CaCO3	83	mg/L	Energy Lab	C16050664-035	5/23/16 19:37	A2320 B	MAJOR IONS
MU104	MU1 UCL Monitor	SM	5/4/2016	Chloride	4	mg/L	Energy Lab	C16050664-035	5/24/16 7:59	E300.0	MAJOR IONS
MU104	MU1 UCL Monitor	SM	5/4/2016	Conductivity @ 25 C	387	umhos/cm	Energy Lab	C16050664-035	5/23/16 15:38	A2510 B	PHYSICAL PROPERTIES
MU105	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16060265-009	6/9/16 18:36	A2320 B	MAJOR IONS
MU105	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-009	6/9/16 21:42	E300.0	MAJOR IONS
MU105	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	431	umhos/cm	Energy Lab	C16060265-009	6/9/16 12:24	A2510 B	PHYSICAL PROPERTIES
MU105	MU1 UCL Monitor	SM	5/20/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050694-037	5/24/16 18:48	A2320 B	MAJOR IONS
MU105	MU1 UCL Monitor	SM	5/20/2016	Chloride	5	mg/L	Energy Lab	C16050694-037	5/25/16 13:03	E300.0	MAJOR IONS
MU105	MU1 UCL Monitor	SM	5/20/2016	Conductivity @ 25 C	432	umhos/cm	Energy Lab	C16050694-037	5/24/16 14:38	A2510 B	PHYSICAL PROPERTIES
MU105	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	120	mg/L	Energy Lab	C16050664-040	5/23/16 20:17	A2320 B	MAJOR IONS
MU105	MU1 UCL Monitor	SM	5/5/2016	Chloride	4	mg/L	Energy Lab	C16050664-040	5/24/16 10:19	E300.0	MAJOR IONS
MU105	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	429	umhos/cm	Energy Lab	C16050664-040	5/23/16 17:00	A2510 B	PHYSICAL PROPERTIES
MU106	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	110	mg/L	Energy Lab	C16060265-011	6/9/16 18:52	A2320 B	MAJOR IONS
MU106	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-011	6/9/16 22:52	E300.0	MAJOR IONS

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MU106	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	454	umhos/cm	Energy Lab	C16060265-011	6/9/16 12:30	A2510 B	PHYSICAL PROPERTIES
MU106	MU1 UCL Monitor	SM	5/20/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16050694-039	5/24/16 19:04	A2320 B	MAJOR IONS
MU106	MU1 UCL Monitor	SM	5/20/2016	Chloride	5	mg/L	Energy Lab	C16050694-039	5/25/16 13:40	E300.0	MAJOR IONS
MU106	MU1 UCL Monitor	SM	5/20/2016	Conductivity @ 25 C	447	umhos/cm	Energy Lab	C16050694-039	5/24/16 15:29	A2510 B	PHYSICAL PROPERTIES
MU106	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16050664-038	5/23/16 20:01	A2320 B	MAJOR IONS
MU106	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-038	5/24/16 8:52	E300.0	MAJOR IONS
MU106	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	450	umhos/cm	Energy Lab	C16050664-038	5/23/16 16:54	A2510 B	PHYSICAL PROPERTIES
MU107	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	112	mg/L	Energy Lab	C16060265-013	6/9/16 19:08	A2320 B	MAJOR IONS
MU107	MU1 UCL Monitor	SM	6/3/2016	Chloride	5	mg/L	Energy Lab	C16060265-013	6/10/16 0:01	E300.0	MAJOR IONS
MU107	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	457	umhos/cm	Energy Lab	C16060265-013	6/9/16 12:40	A2510 B	PHYSICAL PROPERTIES
MU107	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16050694-041	5/24/16 19:48	A2320 B	MAJOR IONS
MU107	MU1 UCL Monitor	SM	5/21/2016	Chloride	5	mg/L	Energy Lab	C16050694-041	5/25/16 14:17	E300.0	MAJOR IONS
MU107	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	460	umhos/cm	Energy Lab	C16050694-041	5/24/16 15:39	A2510 B	PHYSICAL PROPERTIES
MU107	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16050664-039	5/23/16 20:09	A2320 B	MAJOR IONS
MU107	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-039	5/24/16 9:09	E300.0	MAJOR IONS
MU107	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	456	umhos/cm	Energy Lab	C16050664-039	5/23/16 16:57	A2510 B	PHYSICAL PROPERTIES
MU109	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	123	mg/L	Energy Lab	C16060265-017	6/9/16 19:39	A2320 B	MAJOR IONS
MU109	MU1 UCL Monitor	SM	6/3/2016	Chloride	9	mg/L	Energy Lab	C16060265-017	6/10/16 1:11	E300.0	MAJOR IONS
MU109	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	495	umhos/cm	Energy Lab	C16060265-017	6/9/16 12:52	A2510 B	PHYSICAL PROPERTIES
MU109	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16050694-045	5/24/16 20:29	A2320 B	MAJOR IONS
MU109	MU1 UCL Monitor	SM	5/21/2016	Chloride	9	mg/L	Energy Lab	C16050694-045	5/25/16 16:45	E300.0	MAJOR IONS
MU109	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	250	umhos/cm	Energy Lab	C16050694-045	5/24/16 15:51	A2510 B	PHYSICAL PROPERTIES
MU109	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	121	mg/L	Energy Lab	C16050664-036	5/23/16 19:45	A2320 B	MAJOR IONS
MU109	MU1 UCL Monitor	SM	5/5/2016	Chloride	9	mg/L	Energy Lab	C16050664-036	5/24/16 8:17	E300.0	MAJOR IONS
MU109	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	512	umhos/cm	Energy Lab	C16050664-036	5/23/16 16:44	A2510 B	PHYSICAL PROPERTIES
MU-109	MU1 UCL Monitor	SM	9/22/2015	Alkalinity, Total as CaCO3	128	mg/L	Energy Lab	C15090756-001	9/23/15 17:31	A2320 B	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Carbonate as CO3	ND	mg/L	Energy Lab	C15090756-001	9/23/15 17:31	A2320 B	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Bicarbonate as HCO3	156	mg/L	Energy Lab	C15090756-001	9/23/15 17:31	A2320 B	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Calcium	81	mg/L	Energy Lab	C15090756-001	9/29/15 19:27	E200.7	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Chloride	15	mg/L	Energy Lab	C15090756-001	9/23/15 20:08	E300.0	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Fluoride	0.1	mg/L	Energy Lab	C15090756-001	9/23/15 14:16	A4500-F C	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Magnesium	3	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Nitrogen, Ammonia as N	ND	mg/L	Energy Lab	C15090756-001	9/23/15 16:23	A4500-NH3 G	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Nitrogen, Nitrate+Nitrite as N	ND	mg/L	Energy Lab	C15090756-001	9/23/15 12:14	E353.2	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Potassium	3	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Silica	16.6	mg/L	Energy Lab	C15090756-001	9/29/15 19:27	E200.7	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Sodium	34	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Sulfate	144	mg/L	Energy Lab	C15090756-001	9/23/15 20:08	E300.0	MAJOR IONS
MU-109	MU1 UCL Monitor	SM	9/22/2015	Conductivity @ 25 C	582	umhos/cm	Energy Lab	C15090756-001	9/23/15 12:40	A2510 B	PHYSICAL PROPERTIES
MU-109	MU1 UCL Monitor	SM	9/22/2015	pH	7.63	s.u.	Energy Lab	C15090756-001	9/23/15 12:40	A4500-H B	PHYSICAL PROPERTIES
MU-109	MU1 UCL Monitor	SM	9/22/2015	Solids, Total Dissolved TDS @ 180 C	389	mg/L	Energy Lab	C15090756-001	9/24/15 9:05	A2540 C	PHYSICAL PROPERTIES
MU-109	MU1 UCL Monitor	SM	9/22/2015	Aluminum	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Arsenic	0.001	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Barium	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Boron	ND	mg/L	Energy Lab	C15090756-001	9/29/15 19:27	E200.7	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Cadmium	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MU-109	MU1 UCL Monitor	SM	9/22/2015	Chromium	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Copper	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Iron	0.04	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Lead	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Manganese	0.01	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Mercury	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Molybdenum	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Nickel	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Selenium	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Uranium	0.0047	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Vanadium	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Zinc	ND	mg/L	Energy Lab	C15090756-001	9/25/15 18:44	E200.8	METALS - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Iron	0.16	mg/L	Energy Lab	C15090756-001	9/30/15 3:14	E200.7	METALS - TOTAL
MU-109	MU1 UCL Monitor	SM	9/22/2015	Manganese	0.01	mg/L	Energy Lab	C15090756-001	9/30/15 3:14	E200.7	METALS - TOTAL
MU-109	MU1 UCL Monitor	SM	9/22/2015	Gross Alpha	13.7	pCi/L	Energy Lab	C15090756-001	9/28/15 22:08	E900.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Gross Alpha precision (±)	3.4	pCi/L	Energy Lab	C15090756-001	9/28/15 22:08	E900.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Gross Alpha MDC	1.8	pCi/L	Energy Lab	C15090756-001	9/28/15 22:08	E900.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Gross Beta	8.9	pCi/L	Energy Lab	C15090756-001	9/28/15 22:08	E900.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Gross Beta precision (±)	2	pCi/L	Energy Lab	C15090756-001	9/28/15 22:08	E900.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Gross Beta MDC	3.2	pCi/L	Energy Lab	C15090756-001	9/28/15 22:08	E900.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Radium 226	4.1	pCi/L	Energy Lab	C15090756-001	10/5/15 12:21	E903.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Radium 226 precision (±)	0.87	pCi/L	Energy Lab	C15090756-001	10/5/15 12:21	E903.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Radium 226 MDC	0.16	pCi/L	Energy Lab	C15090756-001	10/5/15 12:21	E903.0	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Radium 228	4	pCi/L	Energy Lab	C15090756-001	9/29/15 12:04	RA-05	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Radium 228 precision (±)	1.1	pCi/L	Energy Lab	C15090756-001	9/29/15 12:04	RA-05	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	Radium 228 MDC	1.3	pCi/L	Energy Lab	C15090756-001	9/29/15 12:04	RA-05	RADIONUCLIDES - DISSOLVED
MU-109	MU1 UCL Monitor	SM	9/22/2015	A/C Balance (± 5)	-1.44	%	Energy Lab	C15090756-001	9/30/15 14:40	A1030 E	DATA QUALITY
MU-109	MU1 UCL Monitor	SM	9/22/2015	Anions	5.99	meq/L	Energy Lab	C15090756-001	9/30/15 14:40	A1030 E	DATA QUALITY
MU-109	MU1 UCL Monitor	SM	9/22/2015	Cations	5.82	meq/L	Energy Lab	C15090756-001	9/30/15 14:40	A1030 E	DATA QUALITY
MU-109	MU1 UCL Monitor	SM	9/22/2015	Solids, Total Dissolved Calculated	380	mg/L	Energy Lab	C15090756-001	9/30/15 14:40	A1030 E	DATA QUALITY
MU-109	MU1 UCL Monitor	SM	9/22/2015	TDS Balance (0.80 - 1.20)	1.03	unitless	Energy Lab	C15090756-001	9/30/15 14:40	A1030 E	DATA QUALITY
MU110	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	100	mg/L	Energy Lab	C16060265-019	6/10/16 12:18	A2320 B	MAJOR IONS
MU110	MU1 UCL Monitor	SM	6/3/2016	Chloride	7	mg/L	Energy Lab	C16060265-019	6/10/16 1:46	E300.0	MAJOR IONS
MU110	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	224	umhos/cm	Energy Lab	C16060265-019	6/9/16 14:26	A2510 B	PHYSICAL PROPERTIES
MU110	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	99	mg/L	Energy Lab	C16050694-047	5/24/16 20:44	A2320 B	MAJOR IONS
MU110	MU1 UCL Monitor	SM	5/21/2016	Chloride	6	mg/L	Energy Lab	C16050694-047	5/25/16 17:29	E300.0	MAJOR IONS
MU110	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	453	umhos/cm	Energy Lab	C16050694-047	5/24/16 15:57	A2510 B	PHYSICAL PROPERTIES
MU110	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	96	mg/L	Energy Lab	C16050664-041	5/23/16 20:45	A2320 B	MAJOR IONS
MU110	MU1 UCL Monitor	SM	5/5/2016	Chloride	6	mg/L	Energy Lab	C16050664-041	5/24/16 11:11	E300.0	MAJOR IONS
MU110	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	452	umhos/cm	Energy Lab	C16050664-041	5/23/16 17:03	A2510 B	PHYSICAL PROPERTIES
MU111	MU1 UCL Monitor	SM	6/6/2016	Alkalinity, Total as CaCO3	103	mg/L	Energy Lab	C16060265-021	6/10/16 12:34	A2320 B	MAJOR IONS
MU111	MU1 UCL Monitor	SM	6/6/2016	Chloride	5	mg/L	Energy Lab	C16060265-021	6/10/16 2:56	E300.0	MAJOR IONS
MU111	MU1 UCL Monitor	SM	6/6/2016	Conductivity @ 25 C	489	umhos/cm	Energy Lab	C16060265-021	6/9/16 14:37	A2510 B	PHYSICAL PROPERTIES
MU111	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	101	mg/L	Energy Lab	C16050694-049	5/24/16 21:00	A2320 B	MAJOR IONS
MU111	MU1 UCL Monitor	SM	5/21/2016	Chloride	5	mg/L	Energy Lab	C16050694-049	5/25/16 18:06	E300.0	MAJOR IONS
MU111	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	248	umhos/cm	Energy Lab	C16050694-049	5/24/16 16:03	A2510 B	PHYSICAL PROPERTIES

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
MU111	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	101	mg/L	Energy Lab	C16050664-037	5/23/16 19:53	A2320 B	MAJOR IONS
MU111	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-037	5/24/16 8:35	E300.0	MAJOR IONS
MU111	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	496	umhos/cm	Energy Lab	C16050664-037	5/23/16 16:51	A2510 B	PHYSICAL PROPERTIES
MU112	MU1 UCL Monitor	SM	6/6/2016	Alkalinity, Total as CaCO3	104	mg/L	Energy Lab	C16060265-023	6/10/16 12:50	A2320 B	MAJOR IONS
MU112	MU1 UCL Monitor	SM	6/6/2016	Chloride	5	mg/L	Energy Lab	C16060265-023	6/10/16 4:05	E300.0	MAJOR IONS
MU112	MU1 UCL Monitor	SM	6/6/2016	Conductivity @ 25 C	436	umhos/cm	Energy Lab	C16060265-023	6/9/16 14:43	A2510 B	PHYSICAL PROPERTIES
MU112	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	102	mg/L	Energy Lab	C16050694-051	5/25/16 12:46	A2320 B	MAJOR IONS
MU112	MU1 UCL Monitor	SM	5/21/2016	Chloride	5	mg/L	Energy Lab	C16050694-051	5/25/16 18:43	E300.0	MAJOR IONS
MU112	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	437	umhos/cm	Energy Lab	C16050694-051	5/24/16 16:14	A2510 B	PHYSICAL PROPERTIES
MU112	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	101	mg/L	Energy Lab	C16050664-034	5/23/16 19:29	A2320 B	MAJOR IONS
MU112	MU1 UCL Monitor	SM	5/5/2016	Chloride	5	mg/L	Energy Lab	C16050664-034	5/24/16 7:41	E300.0	MAJOR IONS
MU112	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	436	umhos/cm	Energy Lab	C16050664-034	5/23/16 15:35	A2510 B	PHYSICAL PROPERTIES
MU113	MU1 UCL Monitor	SM	6/6/2016	Alkalinity, Total as CaCO3	100	mg/L	Energy Lab	C16060265-025	6/10/16 13:05	A2320 B	MAJOR IONS
MU113	MU1 UCL Monitor	SM	6/6/2016	Chloride	5	mg/L	Energy Lab	C16060265-025	6/10/16 4:40	E300.0	MAJOR IONS
MU113	MU1 UCL Monitor	SM	6/6/2016	Conductivity @ 25 C	458	umhos/cm	Energy Lab	C16060265-025	6/9/16 14:49	A2510 B	PHYSICAL PROPERTIES
MU113	MU1 UCL Monitor	SM	5/21/2016	Alkalinity, Total as CaCO3	99	mg/L	Energy Lab	C16050694-053	5/25/16 13:01	A2320 B	MAJOR IONS
MU113	MU1 UCL Monitor	SM	5/21/2016	Chloride	5	mg/L	Energy Lab	C16050694-053	5/25/16 19:56	E300.0	MAJOR IONS
MU113	MU1 UCL Monitor	SM	5/21/2016	Conductivity @ 25 C	466	umhos/cm	Energy Lab	C16050694-053	5/24/16 16:20	A2510 B	PHYSICAL PROPERTIES
MU113	MU1 UCL Monitor	SM	5/6/2016	Alkalinity, Total as CaCO3	99	mg/L	Energy Lab	C16050664-047	5/23/16 21:46	A2320 B	MAJOR IONS
MU113	MU1 UCL Monitor	SM	5/6/2016	Chloride	5	mg/L	Energy Lab	C16050664-047	5/24/16 12:56	E300.0	MAJOR IONS
MU113	MU1 UCL Monitor	SM	5/6/2016	Conductivity @ 25 C	470	umhos/cm	Energy Lab	C16050664-047	5/23/16 17:25	A2510 B	PHYSICAL PROPERTIES
MU123	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	108	mg/L	Energy Lab	C16060265-063	6/14/16 14:56	A2320 B	MAJOR IONS
MU123	MU1 UCL Monitor	SM	6/3/2016	Chloride	6	mg/L	Energy Lab	C16060265-063	6/15/16 12:58	E300.0	MAJOR IONS
MU123	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	488	umhos/cm	Energy Lab	C16060265-063	6/9/16 17:41	A2510 B	PHYSICAL PROPERTIES
MU123	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	106	mg/L	Energy Lab	C16050694-060	5/25/16 13:50	A2320 B	MAJOR IONS
MU123	MU1 UCL Monitor	SM	5/19/2016	Chloride	6	mg/L	Energy Lab	C16050694-060	5/25/16 22:42	E300.0	MAJOR IONS
MU123	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	575	umhos/cm	Energy Lab	C16050694-060	5/24/16 16:56	A2510 B	PHYSICAL PROPERTIES
MU123	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	109	mg/L	Energy Lab	C16050664-043	5/23/16 21:17	A2320 B	MAJOR IONS
MU123	MU1 UCL Monitor	SM	5/5/2016	Chloride	6	mg/L	Energy Lab	C16050664-043	5/24/16 11:46	E300.0	MAJOR IONS
MU123	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	406	umhos/cm	Energy Lab	C16050664-043	5/23/16 17:09	A2510 B	PHYSICAL PROPERTIES
MU124	MU1 UCL Monitor	SM	6/3/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16060265-064	6/14/16 15:01	A2320 B	MAJOR IONS
MU124	MU1 UCL Monitor	SM	6/3/2016	Chloride	ND	mg/L	Energy Lab	C16060265-064	6/15/16 12:06	E300.0	MAJOR IONS
MU124	MU1 UCL Monitor	SM	6/3/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16060265-064	6/9/16 17:44	A2510 B	PHYSICAL PROPERTIES
MU124	MU1 UCL Monitor	SM	5/19/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050694-062	5/25/16 13:54	A2320 B	MAJOR IONS
MU124	MU1 UCL Monitor	SM	5/19/2016	Chloride	ND	mg/L	Energy Lab	C16050694-062	5/26/16 16:49	E300.0	MAJOR IONS
MU124	MU1 UCL Monitor	SM	5/19/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050694-062	5/24/16 17:02	A2510 B	PHYSICAL PROPERTIES
MU124	MU1 UCL Monitor	SM	5/5/2016	Alkalinity, Total as CaCO3	ND	mg/L	Energy Lab	C16050664-044	5/23/16 21:22	A2320 B	MAJOR IONS
MU124	MU1 UCL Monitor	SM	5/5/2016	Chloride	ND	mg/L	Energy Lab	C16050664-044	5/26/16 1:09	E300.0	MAJOR IONS
MU124	MU1 UCL Monitor	SM	5/5/2016	Conductivity @ 25 C	ND	umhos/cm	Energy Lab	C16050664-044	5/23/16 17:12	A2510 B	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	6/23/2016	Alkalinity, Total as CaCO3	337	mg/L	Energy Lab	C16060845-001	6/28/16 16:34	A2320 B	MAJOR IONS
N Pond	Storage Pond	Q	6/23/2016	Chloride	22200	mg/L	Energy Lab	C16060845-001	6/28/16 13:19	E300.0	MAJOR IONS
N Pond	Storage Pond	Q	6/23/2016	Sodium	11900	mg/L	Energy Lab	C16060845-001	6/27/16 20:36	E200.7	MAJOR IONS
N Pond	Storage Pond	Q	6/23/2016	Sulfate	1500	mg/L	Energy Lab	C16060845-001	6/28/16 13:19	E300.0	MAJOR IONS
N Pond	Storage Pond	Q	6/23/2016	Conductivity @ 25 C	51600	umhos/cm	Energy Lab	C16060845-001	6/27/16 13:04	A2510 B	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	6/23/2016	pH	8.07	s.u.	Energy Lab	C16060845-001	6/27/16 13:04	A4500-H B	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	6/23/2016	Solids, Total Dissolved TDS @ 180 C	33200	mg/L	Energy Lab	C16060845-001	6/27/16 14:03	A2540 C	PHYSICAL PROPERTIES

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
N Pond	Storage Pond	Q	6/23/2016	Arsenic	0.009	mg/L	Energy Lab	C16060845-001	6/28/16 6:24	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	6/23/2016	Selenium	0.119	mg/L	Energy Lab	C16060845-001	6/28/16 6:24	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	6/23/2016	Uranium	185	mg/L	Energy Lab	C16060845-001	6/27/16 20:36	E200.7	METALS - DISSOLVED
N Pond	Storage Pond	Q	6/23/2016	Radium 226	302	pCi/L	Energy Lab	C16060845-001	7/7/16 12:04	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	6/23/2016	Radium 226 precision (±)	57	pCi/L	Energy Lab	C16060845-001	7/7/16 12:04	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	6/23/2016	Radium 226 MDC	0.43	pCi/L	Energy Lab	C16060845-001	7/7/16 12:04	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	3/10/2016	Alkalinity, Total as CaCO3	685	mg/L	Energy Lab	C16030368-001	3/11/16 20:44	A2320 B	MAJOR IONS
N Pond	Storage Pond	Q	3/10/2016	Chloride	29500	mg/L	Energy Lab	C16030368-001	3/12/16 7:27	E300.0	MAJOR IONS
N Pond	Storage Pond	Q	3/10/2016	Sodium	18200	mg/L	Energy Lab	C16030368-001	3/15/16 12:04	E200.8	MAJOR IONS
N Pond	Storage Pond	Q	3/10/2016	Sulfate	1840	mg/L	Energy Lab	C16030368-001	3/12/16 7:27	E300.0	MAJOR IONS
N Pond	Storage Pond	Q	3/10/2016	Conductivity @ 25 C	62400	umhos/cm	Energy Lab	C16030368-001	3/11/16 10:15	A2510 B	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	3/10/2016	pH	7.95	s.u.	Energy Lab	C16030368-001	3/11/16 10:15	A4500-H B	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	3/10/2016	Solids, Total Dissolved TDS @ 180 C	49700	mg/L	Energy Lab	C16030368-001	3/11/16 15:58	A2540 C	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	3/10/2016	Arsenic	0.018	mg/L	Energy Lab	C16030368-001	3/15/16 12:04	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	3/10/2016	Selenium	0.56	mg/L	Energy Lab	C16030368-001	3/15/16 12:04	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	3/10/2016	Uranium	231	mg/L	Energy Lab	C16030368-001	3/15/16 12:04	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	3/10/2016	Radium 226	803	pCi/L	Energy Lab	C16030368-001	3/22/16 11:50	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	3/10/2016	Radium 226 precision (±)	151	pCi/L	Energy Lab	C16030368-001	3/22/16 11:50	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	3/10/2016	Radium 226 MDC	0.5	pCi/L	Energy Lab	C16030368-001	3/22/16 11:50	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	9/29/2015	Alkalinity, Total as CaCO3	386	mg/L	Energy Lab	C15090982-001	10/1/15 16:43	A2320 B	MAJOR IONS
N Pond	Storage Pond	Q	9/29/2015	Chloride	28200	mg/L	Energy Lab	C15090982-001	10/1/15 18:27	E300.0	MAJOR IONS
N Pond	Storage Pond	Q	9/29/2015	Sodium	16700	mg/L	Energy Lab	C15090982-001	10/1/15 18:00	E200.7	MAJOR IONS
N Pond	Storage Pond	Q	9/29/2015	Sulfate	1700	mg/L	Energy Lab	C15090982-001	10/1/15 18:27	E300.0	MAJOR IONS
N Pond	Storage Pond	Q	9/29/2015	Conductivity @ 25 C	73000	umhos/cm	Energy Lab	C15090982-001	10/15/15 9:18	A2510 B	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	9/29/2015	pH	8.01	s.u.	Energy Lab	C15090982-001	10/15/15 9:18	A4500-H B	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	9/29/2015	Solids, Total Dissolved TDS @ 180 C	47700	mg/L	Energy Lab	C15090982-001	10/2/15 13:05	A2540 C	PHYSICAL PROPERTIES
N Pond	Storage Pond	Q	9/29/2015	Arsenic	0.01	mg/L	Energy Lab	C15090982-001	10/2/15 18:23	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	9/29/2015	Selenium	0.1	mg/L	Energy Lab	C15090982-001	10/2/15 18:23	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	9/29/2015	Uranium	49.4	mg/L	Energy Lab	C15090982-001	10/2/15 18:23	E200.8	METALS - DISSOLVED
N Pond	Storage Pond	Q	9/29/2015	Radium 226	272	pCi/L	Energy Lab	C15090982-001	10/7/15 8:46	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	9/29/2015	Radium 226 precision (±)	51	pCi/L	Energy Lab	C15090982-001	10/7/15 8:46	E903.0	RADIONUCLIDES - DISSOLVED
N Pond	Storage Pond	Q	9/29/2015	Radium 226 MDC	0.53	pCi/L	Energy Lab	C15090982-001	10/7/15 8:46	E903.0	RADIONUCLIDES - DISSOLVED
N. Pond Sump	Storage Pond	Q	2/29/2016	Sulfate	493	mg/L	Energy Lab	C16030015-001	3/1/16 19:44	E300.0	MAJOR IONS
North Pond	Storage Pond	Q	11/20/2015	Alkalinity, Total as CaCO3	360	mg/L	Energy Lab	C15120032-001	12/4/15 12:57	A2320 B	MAJOR IONS
North Pond	Storage Pond	Q	11/20/2015	Chloride	24200	mg/L	Energy Lab	C15120032-001	12/3/15 16:30	E300.0	MAJOR IONS
North Pond	Storage Pond	Q	11/20/2015	Sulfate	1450	mg/L	Energy Lab	C15120032-001	12/3/15 16:30	E300.0	MAJOR IONS
North Pond	Storage Pond	Q	11/20/2015	Conductivity @ 25 C	59800	umhos/cm	Energy Lab	C15120032-001	12/2/15 10:00	A2510 B	PHYSICAL PROPERTIES
North Pond	Storage Pond	Q	11/20/2015	pH	7.97	s.u.	Energy Lab	C15120032-001	12/2/15 10:00	A4500-H B	PHYSICAL PROPERTIES
North Pond	Storage Pond	Q	11/20/2015	Solids, Total Dissolved TDS @ 180 C	37700	mg/L	Energy Lab	C15120032-001	12/2/15 11:01	A2540 C	PHYSICAL PROPERTIES
North Pond	Storage Pond	Q	11/20/2015	Arsenic	0.015	mg/L	Energy Lab	C15120032-001	12/2/15 16:20	E200.8	METALS - DISSOLVED
North Pond	Storage Pond	Q	11/20/2015	Selenium	0.2	mg/L	Energy Lab	C15120032-001	12/4/15 18:57	E200.8	METALS - DISSOLVED
North Pond	Storage Pond	Q	11/20/2015	Uranium	33.8	mg/L	Energy Lab	C15120032-001	12/2/15 16:20	E200.8	METALS - DISSOLVED
North Pond	Storage Pond	Q	11/20/2015	Radium 226	80	pCi/L	Energy Lab	C15120032-001	12/9/15 6:50	E903.0	RADIONUCLIDES - DISSOLVED
North Pond	Storage Pond	Q	11/20/2015	Radium 226 precision (±)	15	pCi/L	Energy Lab	C15120032-001	12/9/15 6:50	E903.0	RADIONUCLIDES - DISSOLVED
North Pond	Storage Pond	Q	11/20/2015	Radium 226 MDC	0.23	pCi/L	Energy Lab	C15120032-001	12/9/15 6:50	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	6/23/2016	Alkalinity, Total as CaCO3	603	mg/L	Energy Lab	C16060845-002	6/28/16 16:17	A2320 B	MAJOR IONS

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
S Pond	Storage Pond	Q	6/23/2016	Chloride	9890	mg/L	Energy Lab	C16060845-002	6/29/16 13:55	E300.0	MAJOR IONS
S Pond	Storage Pond	Q	6/23/2016	Sodium	6600	mg/L	Energy Lab	C16060845-002	6/27/16 20:40	E200.7	MAJOR IONS
S Pond	Storage Pond	Q	6/23/2016	Sulfate	1220	mg/L	Energy Lab	C16060845-002	6/28/16 13:36	E300.0	MAJOR IONS
S Pond	Storage Pond	Q	6/23/2016	Conductivity @ 25 C	30700	umhos/cm	Energy Lab	C16060845-002	6/27/16 13:11	A2510 B	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	6/23/2016	pH	7.73	s.u.	Energy Lab	C16060845-002	6/27/16 13:11	A4500-H B	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	6/23/2016	Solids, Total Dissolved TDS @ 180 C	19000	mg/L	Energy Lab	C16060845-002	6/27/16 14:04	A2540 C	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	6/23/2016	Arsenic	0.016	mg/L	Energy Lab	C16060845-002	6/28/16 6:30	E200.8	METALS - DISSOLVED
S Pond	Storage Pond	Q	6/23/2016	Selenium	0.098	mg/L	Energy Lab	C16060845-002	6/28/16 6:30	E200.8	METALS - DISSOLVED
S Pond	Storage Pond	Q	6/23/2016	Uranium	289	mg/L	Energy Lab	C16060845-002	6/27/16 20:40	E200.7	METALS - DISSOLVED
S Pond	Storage Pond	Q	6/23/2016	Radium 226	1500	pCi/L	Energy Lab	C16060845-002	7/7/16 12:04	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	6/23/2016	Radium 226 precision (±)	282	pCi/L	Energy Lab	C16060845-002	7/7/16 12:04	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	6/23/2016	Radium 226 MDC	1.5	pCi/L	Energy Lab	C16060845-002	7/7/16 12:04	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	3/10/2016	Alkalinity, Total as CaCO3	559	mg/L	Energy Lab	C16030368-002	3/11/16 21:03	A2320 B	MAJOR IONS
S Pond	Storage Pond	Q	3/10/2016	Chloride	37200	mg/L	Energy Lab	C16030368-002	3/12/16 7:45	E300.0	MAJOR IONS
S Pond	Storage Pond	Q	3/10/2016	Sodium	18800	mg/L	Energy Lab	C16030368-002	3/15/16 12:10	E200.8	MAJOR IONS
S Pond	Storage Pond	Q	3/10/2016	Sulfate	2170	mg/L	Energy Lab	C16030368-002	3/12/16 7:45	E300.0	MAJOR IONS
S Pond	Storage Pond	Q	3/10/2016	Conductivity @ 25 C	67800	umhos/cm	Energy Lab	C16030368-002	3/11/16 10:22	A2510 B	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	3/10/2016	pH	7.67	s.u.	Energy Lab	C16030368-002	3/11/16 10:22	A4500-H B	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	3/10/2016	Solids, Total Dissolved TDS @ 180 C	58300	mg/L	Energy Lab	C16030368-002	3/11/16 16:00	A2540 C	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	3/10/2016	Arsenic	0.011	mg/L	Energy Lab	C16030368-002	3/15/16 12:10	E200.8	METALS - DISSOLVED
S Pond	Storage Pond	Q	3/10/2016	Selenium	0.5	mg/L	Energy Lab	C16030368-002	3/15/16 12:10	E200.8	METALS - DISSOLVED
S Pond	Storage Pond	Q	3/10/2016	Uranium	112	mg/L	Energy Lab	C16030368-002	3/15/16 12:10	E200.8	METALS - DISSOLVED
S Pond	Storage Pond	Q	3/10/2016	Radium 226	692	pCi/L	Energy Lab	C16030368-002	3/22/16 11:50	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	3/10/2016	Radium 226 precision (±)	130	pCi/L	Energy Lab	C16030368-002	3/22/16 11:50	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	3/10/2016	Radium 226 MDC	0.49	pCi/L	Energy Lab	C16030368-002	3/22/16 11:50	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	9/29/2015	Alkalinity, Total as CaCO3	741	mg/L	Energy Lab	C15090982-002	10/1/15 16:52	A2320 B	MAJOR IONS
S Pond	Storage Pond	Q	9/29/2015	Chloride	18700	mg/L	Energy Lab	C15090982-002	10/1/15 18:46	E300.0	MAJOR IONS
S Pond	Storage Pond	Q	9/29/2015	Sodium	11000	mg/L	Energy Lab	C15090982-002	10/1/15 18:04	E200.7	MAJOR IONS
S Pond	Storage Pond	Q	9/29/2015	Sulfate	1670	mg/L	Energy Lab	C15090982-002	10/1/15 18:46	E300.0	MAJOR IONS
S Pond	Storage Pond	Q	9/29/2015	Conductivity @ 25 C	51400	umhos/cm	Energy Lab	C15090982-002	10/15/15 9:26	A2510 B	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	9/29/2015	pH	7.71	s.u.	Energy Lab	C15090982-002	10/15/15 9:26	A4500-H B	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	9/29/2015	Solids, Total Dissolved TDS @ 180 C	32200	mg/L	Energy Lab	C15090982-002	10/2/15 13:05	A2540 C	PHYSICAL PROPERTIES
S Pond	Storage Pond	Q	9/29/2015	Arsenic	0.026	mg/L	Energy Lab	C15090982-002	10/2/15 18:25	E200.8	METALS - DISSOLVED
S Pond	Storage Pond	Q	9/29/2015	Selenium	0.14	mg/L	Energy Lab	C15090982-002	10/2/15 18:25	E200.8	METALS - DISSOLVED
S Pond	Storage Pond	Q	9/29/2015	Uranium	205	mg/L	Energy Lab	C15090982-002	10/1/15 18:04	E200.7	METALS - DISSOLVED
S Pond	Storage Pond	Q	9/29/2015	Radium 226	293	pCi/L	Energy Lab	C15090982-002	10/7/15 8:46	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	9/29/2015	Radium 226 precision (±)	55	pCi/L	Energy Lab	C15090982-002	10/7/15 8:46	E903.0	RADIONUCLIDES - DISSOLVED
S Pond	Storage Pond	Q	9/29/2015	Radium 226 MDC	0.52	pCi/L	Energy Lab	C15090982-002	10/7/15 8:46	E903.0	RADIONUCLIDES - DISSOLVED
S. Pond Sump	Storage Pond	Q	2/29/2016	Sulfate	958	mg/L	Energy Lab	C16030015-002	3/1/16 20:02	E300.0	MAJOR IONS
South Pond	Storage Pond	Q	11/20/2015	Alkalinity, Total as CaCO3	770	mg/L	Energy Lab	C15120032-002	12/4/15 13:00	A2320 B	MAJOR IONS
South Pond	Storage Pond	Q	11/20/2015	Chloride	16400	mg/L	Energy Lab	C15120032-002	12/3/15 16:48	E300.0	MAJOR IONS
South Pond	Storage Pond	Q	11/20/2015	Sulfate	1740	mg/L	Energy Lab	C15120032-002	12/3/15 16:48	E300.0	MAJOR IONS
South Pond	Storage Pond	Q	11/20/2015	Conductivity @ 25 C	44100	umhos/cm	Energy Lab	C15120032-002	12/2/15 10:03	A2510 B	PHYSICAL PROPERTIES
South Pond	Storage Pond	Q	11/20/2015	pH	7.91	s.u.	Energy Lab	C15120032-002	12/2/15 10:03	A4500-H B	PHYSICAL PROPERTIES
South Pond	Storage Pond	Q	11/20/2015	Solids, Total Dissolved TDS @ 180 C	27100	mg/L	Energy Lab	C15120032-002	12/2/15 11:02	A2540 C	PHYSICAL PROPERTIES
South Pond	Storage Pond	Q	11/20/2015	Arsenic	0.019	mg/L	Energy Lab	C15120032-002	12/2/15 16:24	E200.8	METALS - DISSOLVED

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
South Pond	Storage Pond	Q	11/20/2015	Selenium	0.11	mg/L	Energy Lab	C15120032-002	12/4/15 19:00	E200.8	METALS - DISSOLVED
South Pond	Storage Pond	Q	11/20/2015	Uranium	403	mg/L	Energy Lab	C15120032-002	12/2/15 16:24	E200.8	METALS - DISSOLVED
South Pond	Storage Pond	Q	11/20/2015	Radium 226	642	pCi/L	Energy Lab	C15120032-002	12/9/15 6:50	E903.0	RADIONUCLIDES - DISSOLVED
South Pond	Storage Pond	Q	11/20/2015	Radium 226 precision (±)	120	pCi/L	Energy Lab	C15120032-002	12/9/15 6:50	E903.0	RADIONUCLIDES - DISSOLVED
South Pond	Storage Pond	Q	11/20/2015	Radium 226 MDC	0.4	pCi/L	Energy Lab	C15120032-002	12/9/15 6:50	E903.0	RADIONUCLIDES - DISSOLVED
M-HJ216	MU2 Baseline	N/A	10/12/2015	pH	8.3	s.u.	IML	S1510203-001	10/13/15 18:08	SM 4500 H B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Electrical Conductivity	483	µmhos/cm	IML	S1510203-001	10/13/15 18:08	SM 2510B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (180)	320	mg/L	IML	S1510203-001	10/13/15 15:17	SM 2540	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (Calc)	290	mg/L	IML	S1510203-001	10/21/15 10:42	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Total Alkalinity (as CaCO3)	99	mg/L	IML	S1510203-001	10/13/15 18:08	SM 2320B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510203-001	10/19/15 12:42	EPA 350.1	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Silica as SiO2	13	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Bicarbonate as HCO3	121	mg/L	IML	S1510203-001	10/13/15 18:08	SM 2320B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Carbonate as CO3	ND	mg/L	IML	S1510203-001	10/13/15 18:08	SM 2320B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Chloride	5	mg/L	IML	S1510203-001	10/14/15 0:24	EPA 300.0	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Fluoride	0.2	mg/L	IML	S1510203-001	10/13/15 18:08	SM 4500FC	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510203-001	10/19/15 9:04	EPA 353.2	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Sulfate	115	mg/L	IML	S1510203-001	10/14/15 0:24	EPA 300.0	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Calcium	51	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Magnesium	2	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Potassium	7	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Sodium	35	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Cation Sum	4.43	meq/L	IML	S1510203-001	10/21/15 10:42	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Anion Sum	4.5	meq/L	IML	S1510203-001	10/21/15 10:42	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Cation-Anion Balance	0.8	%	IML	S1510203-001	10/21/15 10:42	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Calculated TDS/TDS Ratio	1.1	dec. %	IML	S1510203-001	11/12/15 10:15	Calculation	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Gross Alpha (Dissolved)	877 ± 13.3	pCi/L	IML	S1510203-001	10/23/15 10:07	SM 7110B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Gross Beta (Dissolved)	335 ± 6.2	pCi/L	IML	S1510203-001	10/23/15 10:07	SM 7110B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Radium 226 (Dissolved)	33.5 ± 0.7	pCi/L	IML	S1510203-001	11/2/15 12:03	SM 7500 Ra-B	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Radium 228 (Dissolved)	3.2 ± 1.2	pCi/L	IML	S1510203-001	11/8/15 23:23	Ga-Tech	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Aluminum	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Barium	ND	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Beryllium	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Boron	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Cadmium	ND	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Chromium	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Copper	ND	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Iron	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Lead	ND	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Manganese	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Mercury	ND	mg/L	IML	S1510203-001	10/16/15 8:31	EPA 245.1	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Nickel	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Selenium	0.008	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Uranium	1.51	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Vanadium	ND	mg/L	IML	S1510203-001	10/13/15 23:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Dissolved Zinc	ND	mg/L	IML	S1510203-001	10/14/15 17:12	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Total Iron	ND	mg/L	IML	S1510203-001	10/14/15 23:00	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/12/2015	Total Manganese	ND	mg/L	IML	S1510203-001	10/14/15 23:00	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	pH	8.4	s.u.	IML	S1510443-001	10/30/15 20:31	SM 4500 H B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	489	µmhos/cm	IML	S1510443-001	10/30/15 20:31	SM 2510B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	320	mg/L	IML	S1510443-001	10/29/15 12:25	SM 2540	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	290	mg/L	IML	S1510443-001	11/5/15 16:25	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	100	mg/L	IML	S1510443-001	10/30/15 20:31	SM 2320B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-001	11/4/15 11:05	EPA 350.1	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	13	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	120	mg/L	IML	S1510443-001	10/30/15 20:31	SM 2320B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-001	10/30/15 20:31	SM 2320B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-001	11/3/15 14:51	EPA 300.0	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Fluoride	0.2	mg/L	IML	S1510443-001	10/30/15 20:31	SM 4500FC	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-001	11/3/15 15:15	EPA 353.2	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Sulfate	116	mg/L	IML	S1510443-001	11/3/15 14:51	EPA 300.0	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Calcium	51	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Magnesium	2	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Potassium	6	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Sodium	31	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.22	meq/L	IML	S1510443-001	11/5/15 16:25	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Anion Sum	4.57	meq/L	IML	S1510443-001	11/5/15 16:25	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	3.96	%	IML	S1510443-001	11/5/15 16:25	SM 1030E	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.1	dec. %	IML	S1510443-001	11/12/15 10:20	Calculation	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	1040 ± 14.1	pCi/L	IML	S1510443-001	11/10/15 8:46	SM 7110B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	383 ± 6.4	pCi/L	IML	S1510443-001	11/10/15 8:46	SM 7110B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	32.9 ± 0.7	pCi/L	IML	S1510443-001	11/9/15 13:55	SM 7500 Ra-B	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510443-001	11/22/15 3:48	Ga-Tech	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.004	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-001	11/4/15 9:54	EPA 245.1	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	0.008	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	1.8	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-001	10/29/15 19:23	EPA 200.8	

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M-HJ216	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-001	10/30/15 16:37	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-001	10/30/15 21:51	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	10/28/2015	Total Manganese	ND	mg/L	IML	S1510443-001	10/30/15 21:51	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	pH	8.4	s.u.	IML	S1509505-001	10/1/15 16:21	SM 4500 H B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	510	µmhos/cm	IML	S1509505-001	10/1/15 16:21	SM 2510B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	310	mg/L	IML	S1509505-001	9/30/15 14:38	SM 2540	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	290	mg/L	IML	S1509505-001	10/6/15 12:22	SM 1030E	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	100	mg/L	IML	S1509505-001	10/1/15 16:21	SM 2320B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-001	9/30/15 9:26	EPA 350.1	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	13	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	118	mg/L	IML	S1509505-001	10/1/15 16:21	SM 2320B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-001	10/1/15 16:21	SM 2320B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-001	9/30/15 17:51	EPA 300.0	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Fluoride	0.2	mg/L	IML	S1509505-001	10/1/15 16:21	SM 4500FC	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-001	10/1/15 13:01	EPA 353.2	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Sulfate	116	mg/L	IML	S1509505-001	9/30/15 17:51	EPA 300.0	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Calcium	55	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Magnesium	2	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Potassium	8	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Sodium	34	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.57	meq/L	IML	S1509505-001	10/6/15 12:22	SM 1030E	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Anion Sum	4.54	meq/L	IML	S1509505-001	10/6/15 12:22	SM 1030E	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	0.34	%	IML	S1509505-001	10/6/15 12:22	SM 1030E	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.07	dec. %	IML	S1509505-001	11/6/15 10:24	Calculation	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	984 ± 13.7	pCi/L	IML	S1509505-001	10/14/15 16:28	SM 7110B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	370 ± 6.3	pCi/L	IML	S1509505-001	10/14/15 16:28	SM 7110B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	30.7 ± 0.7	pCi/L	IML	S1509505-001	10/27/15 16:07	SM 7500 Ra-B	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	4.8 ± 1.4	pCi/L	IML	S1509505-001	11/4/15 15:01	Ga-Tech	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.003	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-001	10/1/15 11:49	EPA 245.1	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	0.01	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	1.89	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-001	9/30/15 13:42	EPA 200.8	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-001	10/1/15 12:57	EPA 200.7	

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M-HJ216	MU2 Baseline	N/A	9/28/2015	Total Iron	ND	mg/L	IML	S1509505-001	10/3/15 0:28	EPA 200.7	
M-HJ216	MU2 Baseline	N/A	9/28/2015	Total Manganese	ND	mg/L	IML	S1509505-001	10/3/15 0:28	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	pH	8.2	s.u.	IML	S1510203-003	10/13/15 18:28	SM 4500 H B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Electrical Conductivity	541	µmhos/cm	IML	S1510203-003	10/13/15 18:28	SM 2510B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (180)	360	mg/L	IML	S1510203-003	10/13/15 15:19	SM 2540	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1510203-003	10/21/15 10:42	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Total Alkalinity (as CaCO3)	104	mg/L	IML	S1510203-003	10/13/15 18:28	SM 2320B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510203-003	10/19/15 12:45	EPA 350.1	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Silica as SiO2	14	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Bicarbonate as HCO3	127	mg/L	IML	S1510203-003	10/13/15 18:28	SM 2320B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Carbonate as CO3	ND	mg/L	IML	S1510203-003	10/13/15 18:28	SM 2320B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Chloride	5	mg/L	IML	S1510203-003	10/14/15 0:51	EPA 300.0	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Fluoride	0.2	mg/L	IML	S1510203-003	10/13/15 18:28	SM 4500FC	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510203-003	10/19/15 9:07	EPA 353.2	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Sulfate	134	mg/L	IML	S1510203-003	10/14/15 0:51	EPA 300.0	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Calcium	51	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Magnesium	2	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Potassium	4	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Sodium	41	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Cation Sum	4.57	meq/L	IML	S1510203-003	10/21/15 10:42	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Anion Sum	5.02	meq/L	IML	S1510203-003	10/21/15 10:42	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Cation-Anion Balance	4.62	%	IML	S1510203-003	10/21/15 10:42	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Calculated TDS/TDS Ratio	1.16	dec. %	IML	S1510203-003	11/12/15 10:15	Calculation	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Gross Alpha (Dissolved)	382 ± 9.0	pCi/L	IML	S1510203-003	10/23/15 10:07	SM 7110B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Gross Beta (Dissolved)	172 ± 4.6	pCi/L	IML	S1510203-003	10/23/15 10:07	SM 7110B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Radium 226 (Dissolved)	183 ± 1.6	pCi/L	IML	S1510203-003	11/2/15 12:03	SM 7500 Ra-B	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Radium 228 (Dissolved)	2.6 ± 1.7	pCi/L	IML	S1510203-003	11/9/15 5:24	Ga-Tech	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Aluminum	ND	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Barium	ND	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Beryllium	ND	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Boron	ND	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Cadmium	ND	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Chromium	ND	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Copper	ND	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Iron	ND	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Lead	ND	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Manganese	0.01	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Mercury	ND	mg/L	IML	S1510203-003	10/16/15 8:39	EPA 245.1	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Nickel	ND	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Selenium	0.003	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Uranium	0.103	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Vanadium	ND	mg/L	IML	S1510203-003	10/13/15 23:34	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Dissolved Zinc	ND	mg/L	IML	S1510203-003	10/14/15 17:23	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/12/2015	Total Iron	ND	mg/L	IML	S1510203-003	10/14/15 23:05	EPA 200.7	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ217	MU2 Baseline	N/A	10/12/2015	Total Manganese	0.01	mg/L	IML	S1510203-003	10/14/15 23:05	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	pH	8.3	s.u.	IML	S1510443-004	10/30/15 21:12	SM 4500 H B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	533	µmhos/cm	IML	S1510443-004	10/30/15 21:12	SM 2510B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510443-004	10/29/15 12:28	SM 2540	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510443-004	11/5/15 16:25	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	106	mg/L	IML	S1510443-004	10/30/15 21:12	SM 2320B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-004	11/4/15 11:09	EPA 350.1	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	14	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	127	mg/L	IML	S1510443-004	10/30/15 21:12	SM 2320B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-004	10/30/15 21:12	SM 2320B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-004	11/3/15 16:47	EPA 300.0	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Fluoride	0.2	mg/L	IML	S1510443-004	10/30/15 21:12	SM 4500FC	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-004	11/3/15 15:19	EPA 353.2	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Sulfate	139	mg/L	IML	S1510443-004	11/3/15 16:47	EPA 300.0	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Calcium	55	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Magnesium	3	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Potassium	5	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Sodium	39	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.73	meq/L	IML	S1510443-004	11/5/15 16:25	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Anion Sum	5.14	meq/L	IML	S1510443-004	11/5/15 16:25	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	4.18	%	IML	S1510443-004	11/5/15 16:25	SM 1030E	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1510443-004	11/12/15 10:20	Calculation	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	382 ± 8.9	pCi/L	IML	S1510443-004	11/10/15 8:46	SM 7110B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	151 ± 4.4	pCi/L	IML	S1510443-004	11/10/15 8:46	SM 7110B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	219 ± 1.9	pCi/L	IML	S1510443-004	11/9/15 13:55	SM 7500 Ra-B	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	2.2 ± 1.7	pCi/L	IML	S1510443-004	11/22/15 12:51	Ga-Tech	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	0.01	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-004	11/4/15 10:00	EPA 245.1	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	0.004	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	0.146	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-004	10/29/15 20:06	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-004	10/30/15 16:55	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-004	10/30/15 21:58	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	10/28/2015	Total Manganese	0.01	mg/L	IML	S1510443-004	10/30/15 21:58	EPA 200.7	

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M-HJ217	MU2 Baseline	N/A	9/28/2015	pH	8.2	s.u.	IML	S1509505-003	10/1/15 16:40	SM 4500 H B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	566	µmhos/cm	IML	S1509505-003	10/1/15 16:40	SM 2510B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1509505-003	9/30/15 14:40	SM 2540	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1509505-003	10/6/15 12:22	SM 1030E	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	104	mg/L	IML	S1509505-003	10/1/15 16:40	SM 2320B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-003	9/30/15 9:29	EPA 350.1	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	15	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	127	mg/L	IML	S1509505-003	10/1/15 16:40	SM 2320B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-003	10/1/15 16:40	SM 2320B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-003	9/30/15 19:43	EPA 300.0	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Fluoride	0.2	mg/L	IML	S1509505-003	10/1/15 16:40	SM 4500FC	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-003	10/1/15 13:04	EPA 353.2	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Sulfate	139	mg/L	IML	S1509505-003	9/30/15 19:43	EPA 300.0	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Calcium	55	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Magnesium	2	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Potassium	5	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Sodium	40	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.82	meq/L	IML	S1509505-003	10/6/15 12:22	SM 1030E	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Anion Sum	5.1	meq/L	IML	S1509505-003	10/6/15 12:22	SM 1030E	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	2.85	%	IML	S1509505-003	10/6/15 12:22	SM 1030E	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1509505-003	11/6/15 10:24	Calculation	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	382 ± 8.5	pCi/L	IML	S1509505-003	10/14/15 16:28	SM 7110B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	132 ± 3.9	pCi/L	IML	S1509505-003	10/14/15 16:28	SM 7110B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	179 ± 1.7	pCi/L	IML	S1509505-003	10/27/15 16:07	SM 7500 Ra-B	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	5.4 ± 2.0	pCi/L	IML	S1509505-003	11/4/15 21:03	Ga-Tech	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.003	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	0.01	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-003	10/1/15 11:53	EPA 245.1	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	0.004	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	0.113	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-003	9/30/15 14:27	EPA 200.8	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-003	10/1/15 13:15	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Total Iron	ND	mg/L	IML	S1509505-003	10/3/15 0:46	EPA 200.7	
M-HJ217	MU2 Baseline	N/A	9/28/2015	Total Manganese	0.01	mg/L	IML	S1509505-003	10/3/15 0:46	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	pH	8.4	s.u.	IML	S1510046-002	10/6/15 1:39	SM 4500 H B	

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M-HJ218	MU2 Baseline	N/A	10/1/2015	Electrical Conductivity	520	µmhos/cm	IML	S1510046-002	10/6/15 16:21	SM 2510B	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Total Dissolved Solids (180)	300	mg/L	IML	S1510046-002	10/5/15 14:40	SM 2540	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Total Dissolved Solids (Calc)	290	mg/L	IML	S1510046-002	10/9/15 11:57	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Total Alkalinity (as CaCO3)	67	mg/L	IML	S1510046-002	10/6/15 1:39	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510046-002	10/5/15 15:40	EPA 350.1	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Silica as SiO2	11	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Bicarbonate as HCO3	76	mg/L	IML	S1510046-002	10/6/15 1:39	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Carbonate as CO3	ND	mg/L	IML	S1510046-002	10/6/15 1:39	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Chloride	5	mg/L	IML	S1510046-002	10/5/15 14:24	EPA 300.0	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Fluoride	0.2	mg/L	IML	S1510046-002	10/6/15 1:39	SM 4500FC	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510046-002	10/5/15 14:18	EPA 353.2	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Sulfate	143	mg/L	IML	S1510046-002	10/5/15 14:24	EPA 300.0	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Calcium	47	mg/L	IML	S1510046-002	10/8/15 12:37	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Magnesium	2	mg/L	IML	S1510046-002	10/8/15 12:37	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Potassium	8	mg/L	IML	S1510046-002	10/8/15 12:37	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Sodium	36	mg/L	IML	S1510046-002	10/8/15 12:37	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Cation Sum	4.32	meq/L	IML	S1510046-002	10/9/15 11:57	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Anion Sum	4.46	meq/L	IML	S1510046-002	10/9/15 11:57	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Cation-Anion Balance	1.54	%	IML	S1510046-002	10/9/15 11:57	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Calculated TDS/TDS Ratio	1.03	dec. %	IML	S1510046-002	11/12/15 10:08	Calculation	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Gross Alpha (Dissolved)	422 ± 9.0	pCi/L	IML	S1510046-002	10/17/15 20:37	SM 7110B	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Gross Beta (Dissolved)	233 ± 5.3	pCi/L	IML	S1510046-002	10/17/15 20:37	SM 7110B	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Radium 226 (Dissolved)	185 ± 1.6	pCi/L	IML	S1510046-002	11/2/15 12:03	SM 7500 Ra-B	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510046-002	11/8/15 20:22	Ga-Tech	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Aluminum	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Barium	ND	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Beryllium	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Boron	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Cadmium	ND	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Chromium	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Copper	ND	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Iron	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Lead	ND	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Manganese	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Mercury	ND	mg/L	IML	S1510046-002	10/9/15 8:35	EPA 245.1	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Nickel	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Selenium	ND	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Uranium	0.165	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Vanadium	ND	mg/L	IML	S1510046-002	10/2/15 22:08	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Dissolved Zinc	ND	mg/L	IML	S1510046-002	10/5/15 15:21	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Total Iron	ND	mg/L	IML	S1510046-002	10/7/15 18:45	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/1/2015	Total Manganese	ND	mg/L	IML	S1510046-002	10/7/15 18:45	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	pH	8.4	s.u.	IML	S1510203-004	10/13/15 18:38	SM 4500 H B	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Electrical Conductivity	495	µmhos/cm	IML	S1510203-004	10/13/15 18:38	SM 2510B	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ218	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1510203-004	10/13/15 15:20	SM 2540	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (Calc)	290	mg/L	IML	S1510203-004	10/21/15 10:42	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Total Alkalinity (as CaCO3)	69	mg/L	IML	S1510203-004	10/13/15 18:38	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510203-004	10/19/15 12:46	EPA 350.1	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Silica as SiO2	13	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Bicarbonate as HCO3	83	mg/L	IML	S1510203-004	10/13/15 18:38	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Carbonate as CO3	ND	mg/L	IML	S1510203-004	10/13/15 18:38	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Chloride	5	mg/L	IML	S1510203-004	10/14/15 1:04	EPA 300.0	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Fluoride	0.2	mg/L	IML	S1510203-004	10/13/15 18:38	SM 4500FC	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510203-004	10/19/15 9:08	EPA 353.2	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Sulfate	141	mg/L	IML	S1510203-004	10/14/15 1:04	EPA 300.0	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Calcium	47	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Magnesium	2	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Potassium	7	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Sodium	39	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Cation Sum	4.38	meq/L	IML	S1510203-004	10/21/15 10:42	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Anion Sum	4.44	meq/L	IML	S1510203-004	10/21/15 10:42	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Cation-Anion Balance	0.71	%	IML	S1510203-004	10/21/15 10:42	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Calculated TDS/TDS Ratio	1.14	dec. %	IML	S1510203-004	11/12/15 10:15	Calculation	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Gross Alpha (Dissolved)	476 ± 9.8	pCi/L	IML	S1510203-004	10/23/15 10:07	SM 7110B	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Gross Beta (Dissolved)	255 ± 5.5	pCi/L	IML	S1510203-004	10/23/15 10:07	SM 7110B	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Radium 226 (Dissolved)	182 ± 1.7	pCi/L	IML	S1510203-004	11/2/15 12:03	SM 7500 Ra-B	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510203-004	11/9/15 8:25	Ga-Tech	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Aluminum	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Barium	ND	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Beryllium	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Boron	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Cadmium	ND	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Chromium	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Copper	ND	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Iron	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Lead	ND	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Manganese	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Mercury	ND	mg/L	IML	S1510203-004	10/16/15 8:46	EPA 245.1	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Nickel	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Selenium	ND	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Uranium	0.142	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Vanadium	ND	mg/L	IML	S1510203-004	10/13/15 23:40	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Dissolved Zinc	ND	mg/L	IML	S1510203-004	10/14/15 17:25	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Total Iron	ND	mg/L	IML	S1510203-004	10/14/15 23:07	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/12/2015	Total Manganese	ND	mg/L	IML	S1510203-004	10/14/15 23:07	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	pH	8.3	s.u.	IML	S1510443-008	10/30/15 21:51	SM 4500 H B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	500	µmhos/cm	IML	S1510443-008	10/30/15 21:51	SM 2510B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	320	mg/L	IML	S1510443-008	10/29/15 12:33	SM 2540	

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M-HJ218	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	300	mg/L	IML	S1510443-008	11/5/15 16:25	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	71	mg/L	IML	S1510443-008	10/30/15 21:51	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-008	11/4/15 11:22	EPA 350.1	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	13	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	86	mg/L	IML	S1510443-008	10/30/15 21:51	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-008	10/30/15 21:51	SM 2320B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-008	11/3/15 17:38	EPA 300.0	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Fluoride	0.2	mg/L	IML	S1510443-008	10/30/15 21:51	SM 4500FC	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-008	11/3/15 15:25	EPA 353.2	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Sulfate	145	mg/L	IML	S1510443-008	11/3/15 17:38	EPA 300.0	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Calcium	47	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Magnesium	2	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Potassium	7	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Sodium	34	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.19	meq/L	IML	S1510443-008	11/5/15 16:25	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Anion Sum	4.58	meq/L	IML	S1510443-008	11/5/15 16:25	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	4.42	%	IML	S1510443-008	11/5/15 16:25	SM 1030E	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.07	dec. %	IML	S1510443-008	11/12/15 10:20	Calculation	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	560 ± 10.4	pCi/L	IML	S1510443-008	11/10/15 8:46	SM 7110B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	289 ± 5.8	pCi/L	IML	S1510443-008	11/10/15 8:46	SM 7110B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	208 ± 1.8	pCi/L	IML	S1510443-008	11/9/15 13:55	SM 7500 Ra-B	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510443-008	11/23/15 0:55	Ga-Tech	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-008	11/4/15 10:13	EPA 245.1	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	ND	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	0.199	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-008	10/29/15 20:27	EPA 200.8	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-008	10/30/15 17:06	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-008	10/30/15 22:27	EPA 200.7	
M-HJ218	MU2 Baseline	N/A	10/28/2015	Total Manganese	ND	mg/L	IML	S1510443-008	10/30/15 22:27	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	pH	9.3	s.u.	IML	S1510046-001	10/6/15 1:29	SM 4500 H B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Electrical Conductivity	462	µmhos/cm	IML	S1510046-001	10/6/15 16:19	SM 2510B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Total Dissolved Solids (180)	250	mg/L	IML	S1510046-001	10/7/15 15:01	SM 2540	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Total Dissolved Solids (Calc)	240	mg/L	IML	S1510046-001	10/9/15 11:57	SM 1030E	

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M-HJ219	MU2 Baseline	N/A	10/1/2015	Total Alkalinity (as CaCO3)	63	mg/L	IML	S1510046-001	10/6/15 1:29	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510046-001	10/5/15 15:38	EPA 350.1	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Silica as SiO2	11	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Bicarbonate as HCO3	58	mg/L	IML	S1510046-001	10/6/15 1:29	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Carbonate as CO3	9	mg/L	IML	S1510046-001	10/6/15 1:29	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Chloride	4	mg/L	IML	S1510046-001	10/5/15 14:11	EPA 300.0	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Fluoride	0.2	mg/L	IML	S1510046-001	10/6/15 1:29	SM 4500FC	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Nitrate-Nitrite Nitrogen (as N)	0.4	mg/L	IML	S1510046-001	10/5/15 14:17	EPA 353.2	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Sulfate	105	mg/L	IML	S1510046-001	10/5/15 14:11	EPA 300.0	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Calcium	22	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Magnesium	1	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Potassium	19	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Sodium	38	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Cation Sum	3.28	meq/L	IML	S1510046-001	10/9/15 11:57	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Anion Sum	3.59	meq/L	IML	S1510046-001	10/9/15 11:57	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Cation-Anion Balance	4.47	%	IML	S1510046-001	10/9/15 11:57	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Calculated TDS/TDS Ratio	1.04	dec. %	IML	S1510046-001	11/12/15 10:08	Calculation	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Gross Alpha (Dissolved)	720 ± 11.6	pCi/L	IML	S1510046-001	10/17/15 20:37	SM 7110B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Gross Beta (Dissolved)	263 ± 5.5	pCi/L	IML	S1510046-001	10/17/15 20:37	SM 7110B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Radium 226 (Dissolved)	91.5 ± 1.2	pCi/L	IML	S1510046-001	11/2/15 12:03	SM 7500 Ra-B	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Radium 228 (Dissolved)	1.1 ± 1.3	pCi/L	IML	S1510046-001	11/8/15 17:21	Ga-Tech	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Aluminum	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Arsenic	0.007	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Barium	ND	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Beryllium	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Boron	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Cadmium	ND	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Chromium	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Copper	ND	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Iron	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Lead	ND	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Manganese	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Mercury	ND	mg/L	IML	S1510046-001	10/9/15 8:27	EPA 245.1	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Nickel	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Selenium	0.022	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Uranium	1.22	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Vanadium	ND	mg/L	IML	S1510046-001	10/2/15 21:46	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Dissolved Zinc	ND	mg/L	IML	S1510046-001	10/5/15 15:08	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Total Iron	ND	mg/L	IML	S1510046-001	10/7/15 18:40	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/1/2015	Total Manganese	ND	mg/L	IML	S1510046-001	10/7/15 18:40	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	pH	9.1	s.u.	IML	S1510203-006	10/13/15 19:23	SM 4500 H B	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Electrical Conductivity	438	µmhos/cm	IML	S1510203-006	10/13/15 19:23	SM 2510B	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (180)	300	mg/L	IML	S1510203-006	10/13/15 15:22	SM 2540	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (Calc)	260	mg/L	IML	S1510203-006	10/21/15 10:42	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Total Alkalinity (as CaCO3)	65	mg/L	IML	S1510203-006	10/13/15 19:23	SM 2320B	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ219	MU2 Baseline	N/A	10/12/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510203-006	10/19/15 12:57	EPA 350.1	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Silica as SiO2	12	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Bicarbonate as HCO3	60	mg/L	IML	S1510203-006	10/13/15 19:23	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Carbonate as CO3	10	mg/L	IML	S1510203-006	10/13/15 19:23	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Chloride	4	mg/L	IML	S1510203-006	10/14/15 1:31	EPA 300.0	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Fluoride	0.2	mg/L	IML	S1510203-006	10/13/15 19:23	SM 4500FC	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Nitrate-Nitrite Nitrogen (as N)	0.2	mg/L	IML	S1510203-006	10/19/15 9:11	EPA 353.2	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Sulfate	114	mg/L	IML	S1510203-006	10/14/15 1:31	EPA 300.0	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Calcium	30	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Magnesium	1	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Potassium	18	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Sodium	39	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Cation Sum	3.75	meq/L	IML	S1510203-006	10/21/15 10:42	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Anion Sum	3.82	meq/L	IML	S1510203-006	10/21/15 10:42	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Cation-Anion Balance	0.89	%	IML	S1510203-006	10/21/15 10:42	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Calculated TDS/TDS Ratio	1.15	dec. %	IML	S1510203-006	11/12/15 10:15	Calculation	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Gross Alpha (Dissolved)	510 ± 9.5	pCi/L	IML	S1510203-006	10/23/15 16:28	SM 7110B	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Gross Beta (Dissolved)	236 ± 5.0	pCi/L	IML	S1510203-006	10/23/15 16:28	SM 7110B	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Radium 226 (Dissolved)	89.4 ± 1.2	pCi/L	IML	S1510203-006	11/2/15 14:06	SM 7500 Ra-B	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510203-006	11/14/15 4:05	Ga-Tech	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Aluminum	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Arsenic	0.005	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Barium	ND	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Beryllium	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Boron	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Cadmium	ND	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Chromium	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Copper	ND	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Iron	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Lead	ND	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Manganese	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Mercury	ND	mg/L	IML	S1510203-006	10/16/15 8:50	EPA 245.1	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Nickel	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Selenium	0.012	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Uranium	0.701	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Vanadium	ND	mg/L	IML	S1510203-006	10/14/15 0:18	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Dissolved Zinc	ND	mg/L	IML	S1510203-006	10/14/15 17:30	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Total Iron	ND	mg/L	IML	S1510203-006	10/14/15 23:19	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/12/2015	Total Manganese	ND	mg/L	IML	S1510203-006	10/14/15 23:19	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	pH	8.4	s.u.	IML	S1510467-001	11/5/15 14:58	SM 4500 H B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Electrical Conductivity	459	µmhos/cm	IML	S1510467-001	11/2/15 17:49	SM 2510B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (180)	280	mg/L	IML	S1510467-001	10/30/15 14:26	SM 2540	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (Calc)	270	mg/L	IML	S1510467-001	11/6/15 10:24	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Total Alkalinity (as CaCO3)	75	mg/L	IML	S1510467-001	11/5/15 14:58	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510467-001	11/4/15 11:50	EPA 350.1	

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M-HJ219	MU2 Baseline	N/A	10/29/2015	Silica as SiO2	12	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Bicarbonate as HCO3	90	mg/L	IML	S1510467-001	11/5/15 14:58	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Carbonate as CO3	ND	mg/L	IML	S1510467-001	11/5/15 14:58	SM 2320B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Chloride	4	mg/L	IML	S1510467-001	11/3/15 13:48	EPA 300.0	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Fluoride	0.2	mg/L	IML	S1510467-001	11/2/15 17:49	SM 4500FC	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Nitrate-Nitrite Nitrogen (as N)	0.2	mg/L	IML	S1510467-001	11/3/15 16:06	EPA 353.2	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Sulfate	122	mg/L	IML	S1510467-001	11/3/15 13:48	EPA 300.0	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Calcium	38	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Magnesium	2	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Potassium	12	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Sodium	34	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Cation Sum	3.83	meq/L	IML	S1510467-001	11/6/15 10:24	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Anion Sum	4.2	meq/L	IML	S1510467-001	11/6/15 10:24	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Cation-Anion Balance	4.6	%	IML	S1510467-001	11/6/15 10:24	SM 1030E	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Calculated TDS/TDS Ratio	1.04	dec. %	IML	S1510467-001	11/12/15 10:23	Calculation	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Gross Alpha (Dissolved)	766 ± 12.0	pCi/L	IML	S1510467-001	11/10/15 17:35	SM 7110B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Gross Beta (Dissolved)	323 ± 5.9	pCi/L	IML	S1510467-001	11/10/15 17:35	SM 7110B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Radium 226 (Dissolved)	110 ± 1.4	pCi/L	IML	S1510467-001	11/10/15 14:18	SM 7500 Ra-B	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510467-001	11/26/15 13:59	Ga-Tech	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Arsenic	0.006	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Barium	ND	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Boron	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Chromium	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Copper	ND	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Iron	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Lead	ND	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Manganese	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Mercury	ND	mg/L	IML	S1510467-001	11/4/15 11:35	EPA 245.1	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Nickel	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Selenium	0.016	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Uranium	0.893	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1510467-001	10/31/15 5:17	EPA 200.8	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Dissolved Zinc	ND	mg/L	IML	S1510467-001	11/2/15 15:23	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Total Iron	ND	mg/L	IML	S1510467-001	11/2/15 16:55	EPA 200.7	
M-HJ219	MU2 Baseline	N/A	10/29/2015	Total Manganese	ND	mg/L	IML	S1510467-001	11/2/15 16:55	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	pH	8.2	s.u.	IML	S1510203-005	10/13/15 18:57	SM 4500 H B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Electrical Conductivity	535	µmhos/cm	IML	S1510203-005	10/13/15 18:57	SM 2510B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (180)	360	mg/L	IML	S1510203-005	10/13/15 15:21	SM 2540	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510203-005	10/21/15 10:42	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Total Alkalinity (as CaCO3)	100	mg/L	IML	S1510203-005	10/13/15 18:57	SM 2320B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510203-005	10/19/15 12:48	EPA 350.1	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Silica as SiO2	13	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ220	MU2 Baseline	N/A	10/12/2015	Bicarbonate as HCO3	122	mg/L	IML	S1510203-005	10/13/15 18:57	SM 2320B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Carbonate as CO3	ND	mg/L	IML	S1510203-005	10/13/15 18:57	SM 2320B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Chloride	5	mg/L	IML	S1510203-005	10/14/15 1:17	EPA 300.0	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Fluoride	0.2	mg/L	IML	S1510203-005	10/13/15 18:57	SM 4500FC	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510203-005	10/19/15 9:10	EPA 353.2	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Sulfate	138	mg/L	IML	S1510203-005	10/14/15 1:17	EPA 300.0	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Calcium	59	mg/L	IML	S1510203-005	10/16/15 13:47	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Magnesium	3	mg/L	IML	S1510203-005	10/16/15 13:47	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Potassium	5	mg/L	IML	S1510203-005	10/16/15 13:47	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Sodium	39	mg/L	IML	S1510203-005	10/16/15 13:47	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Cation Sum	4.98	meq/L	IML	S1510203-005	10/21/15 10:42	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Anion Sum	5	meq/L	IML	S1510203-005	10/21/15 10:42	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Cation-Anion Balance	0.17	%	IML	S1510203-005	10/21/15 10:42	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Calculated TDS/TDS Ratio	1.12	dec. %	IML	S1510203-005	11/12/15 10:15	Calculation	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Gross Alpha (Dissolved)	142 ± 5.4	pCi/L	IML	S1510203-005	10/23/15 10:07	SM 7110B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Gross Beta (Dissolved)	83.0 ± 3.4	pCi/L	IML	S1510203-005	10/23/15 10:07	SM 7110B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Radium 226 (Dissolved)	42.6 ± 0.8	pCi/L	IML	S1510203-005	11/2/15 12:03	SM 7500 Ra-B	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Radium 228 (Dissolved)	1.1 ± 1.2	pCi/L	IML	S1510203-005	11/9/15 11:26	Ga-Tech	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Aluminum	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Barium	ND	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Beryllium	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Boron	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Cadmium	ND	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Chromium	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Copper	ND	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Iron	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Lead	ND	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Manganese	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Mercury	ND	mg/L	IML	S1510203-005	10/16/15 8:48	EPA 245.1	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Nickel	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Selenium	ND	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Uranium	0.182	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Vanadium	ND	mg/L	IML	S1510203-005	10/13/15 23:45	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Dissolved Zinc	ND	mg/L	IML	S1510203-005	10/14/15 17:27	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Total Iron	ND	mg/L	IML	S1510203-005	10/14/15 23:09	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/12/2015	Total Manganese	ND	mg/L	IML	S1510203-005	10/14/15 23:09	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	pH	8.3	s.u.	IML	S1510443-009	10/30/15 22:01	SM 4500 H B	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	546	µmhos/cm	IML	S1510443-009	10/30/15 22:01	SM 2510B	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510443-009	10/29/15 12:34	SM 2540	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510443-009	11/5/15 16:25	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	102	mg/L	IML	S1510443-009	10/30/15 22:01	SM 2320B	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-009	11/4/15 11:24	EPA 350.1	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	13	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	124	mg/L	IML	S1510443-009	10/30/15 22:01	SM 2320B	

APPENDIX A: Water Quality Data
2016 Annual Report
Lost Creek ISR Project PT788

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ220	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-009	10/30/15 22:01	SM 2320B	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-009	11/3/15 17:51	EPA 300.0	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Fluoride	0.2	mg/L	IML	S1510443-009	10/30/15 22:01	SM 4500FC	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-009	11/3/15 15:27	EPA 353.2	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Sulfate	142	mg/L	IML	S1510443-009	11/3/15 17:51	EPA 300.0	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Calcium	56	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Magnesium	3	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Potassium	5	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Sodium	36	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.69	meq/L	IML	S1510443-009	11/5/15 16:25	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Anion Sum	5.13	meq/L	IML	S1510443-009	11/5/15 16:25	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	4.46	%	IML	S1510443-009	11/5/15 16:25	SM 1030E	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1510443-009	11/12/15 10:20	Calculation	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	165 ± 5.8	pCi/L	IML	S1510443-009	11/10/15 8:46	SM 7110B	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	78.4 ± 3.3	pCi/L	IML	S1510443-009	11/10/15 8:46	SM 7110B	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	52.3 ± 0.9	pCi/L	IML	S1510443-009	11/9/15 13:55	SM 7500 Ra-B	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	3.1 ± 1.3	pCi/L	IML	S1510443-009	11/23/15 3:55	Ga-Tech	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	0.01	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-009	11/4/15 10:19	EPA 245.1	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	ND	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	0.167	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-009	10/29/15 20:33	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-009	10/30/15 17:20	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-009	10/30/15 22:30	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	10/28/2015	Total Manganese	0.01	mg/L	IML	S1510443-009	10/30/15 22:30	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	pH	8.2	s.u.	IML	S1509505-006	10/1/15 17:19	SM 4500 H B	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	564	µmhos/cm	IML	S1509505-006	10/1/15 17:19	SM 2510B	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1509505-006	9/30/15 14:43	SM 2540	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1509505-006	10/6/15 12:22	SM 1030E	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	97	mg/L	IML	S1509505-006	10/1/15 17:19	SM 2320B	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-006	9/30/15 9:33	EPA 350.1	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	14	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	118	mg/L	IML	S1509505-006	10/1/15 17:19	SM 2320B	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-006	10/1/15 17:19	SM 2320B	

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ220	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-006	9/30/15 20:25	EPA 300.0	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Fluoride	0.2	mg/L	IML	S1509505-006	10/1/15 17:19	SM 4500FC	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-006	10/1/15 13:18	EPA 353.2	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Sulfate	144	mg/L	IML	S1509505-006	9/30/15 20:25	EPA 300.0	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Calcium	57	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Magnesium	3	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Potassium	5	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Sodium	36	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.74	meq/L	IML	S1509505-006	10/6/15 12:22	SM 1030E	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Anion Sum	5.08	meq/L	IML	S1509505-006	10/6/15 12:22	SM 1030E	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	3.39	%	IML	S1509505-006	10/6/15 12:22	SM 1030E	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1509505-006	11/6/15 10:24	Calculation	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	151 ± 5.7	pCi/L	IML	S1509505-006	10/14/15 16:28	SM 7110B	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	78.4 ± 3.3	pCi/L	IML	S1509505-006	10/14/15 16:28	SM 7110B	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	35.9 ± 0.8	pCi/L	IML	S1509505-006	10/27/15 16:07	SM 7500 Ra-B	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	2.3 ± 1.8	pCi/L	IML	S1509505-006	11/5/15 6:05	Ga-Tech	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.002	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-006	10/1/15 12:06	EPA 245.1	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	ND	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	0.121	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-006	9/30/15 14:43	EPA 200.8	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-006	10/1/15 13:22	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Total Iron	ND	mg/L	IML	S1509505-006	10/3/15 0:53	EPA 200.7	
M-HJ220	MU2 Baseline	N/A	9/28/2015	Total Manganese	ND	mg/L	IML	S1509505-006	10/3/15 0:53	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-006	10/15/15 21:33	SM 4500 H B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	548	µmhos/cm	IML	S1510253-006	10/15/15 21:33	SM 2510B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510253-006	10/16/15 10:09	SM 2540	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510253-006	10/26/15 10:44	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	88	mg/L	IML	S1510253-006	10/15/15 21:33	SM 2320B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-006	10/19/15 17:10	EPA 350.1	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	13	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	106	mg/L	IML	S1510253-006	10/15/15 21:33	SM 2320B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-006	10/15/15 21:33	SM 2320B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Chloride	6	mg/L	IML	S1510253-006	10/16/15 0:26	EPA 300.0	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ221	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-006	10/15/15 21:33	SM 4500FC	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-006	10/19/15 18:14	EPA 353.2	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Sulfate	144	mg/L	IML	S1510253-006	10/16/15 12:20	EPA 300.0	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Calcium	61	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Potassium	5	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Sodium	32	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.78	meq/L	IML	S1510253-006	10/26/15 10:44	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Anion Sum	4.92	meq/L	IML	S1510253-006	10/26/15 10:44	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	1.44	%	IML	S1510253-006	10/26/15 10:44	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1510253-006	11/12/15 10:17	Calculation	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	505 ± 10.3	pCi/L	IML	S1510253-006	10/27/15 16:02	SM 7110B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	180 ± 4.6	pCi/L	IML	S1510253-006	10/27/15 16:02	SM 7110B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	171 ± 1.5	pCi/L	IML	S1510253-006	11/3/15 13:25	SM 7500 Ra-B	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	4.1 ± 1.6	pCi/L	IML	S1510253-006	11/14/15 22:10	Ga-Tech	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.014	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-006	10/20/15 10:21	EPA 245.1	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	ND	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.396	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-006	10/16/15 19:58	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-006	10/16/15 15:57	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Total Iron	0.23	mg/L	IML	S1510253-006	10/16/15 17:09	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-006	10/16/15 17:09	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	pH	8.3	s.u.	IML	S1510443-006	10/30/15 21:32	SM 4500 H B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	550	µmhos/cm	IML	S1510443-006	10/30/15 21:32	SM 2510B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510443-006	10/29/15 12:31	SM 2540	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1510443-006	11/5/15 16:25	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	96	mg/L	IML	S1510443-006	10/30/15 21:32	SM 2320B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-006	11/4/15 11:12	EPA 350.1	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	13	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	116	mg/L	IML	S1510443-006	10/30/15 21:32	SM 2320B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-006	10/30/15 21:32	SM 2320B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-006	11/3/15 17:12	EPA 300.0	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Fluoride	0.1	mg/L	IML	S1510443-006	10/30/15 21:32	SM 4500FC	

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M-HJ221	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-006	11/3/15 15:22	EPA 353.2	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Sulfate	151	mg/L	IML	S1510443-006	11/3/15 17:12	EPA 300.0	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Calcium	63	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Magnesium	3	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Potassium	4	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Sodium	29	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.75	meq/L	IML	S1510443-006	11/5/15 16:25	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Anion Sum	5.21	meq/L	IML	S1510443-006	11/5/15 16:25	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	4.6	%	IML	S1510443-006	11/5/15 16:25	SM 1030E	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510443-006	11/12/15 10:20	Calculation	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	621 ± 11.6	pCi/L	IML	S1510443-006	11/10/15 8:46	SM 7110B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	174 ± 4.6	pCi/L	IML	S1510443-006	11/10/15 8:46	SM 7110B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	202 ± 1.8	pCi/L	IML	S1510443-006	11/9/15 13:55	SM 7500 Ra-B	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	1.7 ± 1.6	pCi/L	IML	S1510443-006	11/22/15 18:53	Ga-Tech	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.013	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-006	11/4/15 10:04	EPA 245.1	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	ND	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	0.467	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-006	10/29/15 20:17	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-006	10/30/15 16:59	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Total Iron	0.59	mg/L	IML	S1510443-006	10/30/15 22:02	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	10/28/2015	Total Manganese	0.01	mg/L	IML	S1510443-006	10/30/15 22:02	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	pH	8.4	s.u.	IML	S1509505-004	10/1/15 16:50	SM 4500 H B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	509	µmhos/cm	IML	S1509505-004	10/1/15 16:50	SM 2510B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	310	mg/L	IML	S1509505-004	9/30/15 14:41	SM 2540	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	290	mg/L	IML	S1509505-004	10/6/15 12:22	SM 1030E	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	65	mg/L	IML	S1509505-004	10/1/15 16:50	SM 2320B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-004	9/30/15 9:30	EPA 350.1	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	12	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	76	mg/L	IML	S1509505-004	10/1/15 16:50	SM 2320B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-004	10/1/15 16:50	SM 2320B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-004	9/30/15 19:57	EPA 300.0	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Fluoride	0.2	mg/L	IML	S1509505-004	10/1/15 16:50	SM 4500FC	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-004	10/1/15 13:06	EPA 353.2	

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M-HJ221	MU2 Baseline	N/A	9/28/2015	Sulfate	145	mg/L	IML	S1509505-004	9/30/15 19:57	EPA 300.0	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Calcium	50	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Magnesium	2	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Potassium	5	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Sodium	30	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.1	meq/L	IML	S1509505-004	10/6/15 12:22	SM 1030E	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Anion Sum	4.46	meq/L	IML	S1509505-004	10/6/15 12:22	SM 1030E	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	4.2	%	IML	S1509505-004	10/6/15 12:22	SM 1030E	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.07	dec. %	IML	S1509505-004	11/6/15 10:24	Calculation	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	598 ± 10.5	pCi/L	IML	S1509505-004	10/14/15 16:28	SM 7110B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	238 ± 5.2	pCi/L	IML	S1509505-004	10/14/15 16:28	SM 7110B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	122 ± 1.4	pCi/L	IML	S1509505-004	10/27/15 16:07	SM 7500 Ra-B	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1509505-004	11/5/15 0:04	Ga-Tech	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.011	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-004	10/1/15 11:55	EPA 245.1	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	ND	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	0.295	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-004	9/30/15 14:32	EPA 200.8	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-004	10/1/15 13:18	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Total Iron	1.37	mg/L	IML	S1509505-004	10/3/15 0:49	EPA 200.7	
M-HJ221	MU2 Baseline	N/A	9/28/2015	Total Manganese	0.02	mg/L	IML	S1509505-004	10/3/15 0:49	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	pH	8.5	s.u.	IML	S1510253-005	10/15/15 21:23	SM 4500 H B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	542	µmhos/cm	IML	S1510253-005	10/15/15 21:23	SM 2510B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	360	mg/L	IML	S1510253-005	10/16/15 10:08	SM 2540	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	340	mg/L	IML	S1510253-005	10/26/15 10:44	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	88	mg/L	IML	S1510253-005	10/15/15 21:23	SM 2320B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-005	10/19/15 17:08	EPA 350.1	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	101	mg/L	IML	S1510253-005	10/15/15 21:23	SM 2320B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-005	10/15/15 21:23	SM 2320B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Chloride	5	mg/L	IML	S1510253-005	10/16/15 0:12	EPA 300.0	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-005	10/15/15 21:23	SM 4500FC	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-005	10/19/15 18:12	EPA 353.2	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Sulfate	163	mg/L	IML	S1510253-005	10/16/15 0:12	EPA 300.0	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ222	MU2 Baseline	N/A	10/14/2015	Calcium	59	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Magnesium	2	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Potassium	4	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Sodium	36	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.84	meq/L	IML	S1510253-005	10/26/15 10:44	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Anion Sum	5.31	meq/L	IML	S1510253-005	10/26/15 10:44	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	4.66	%	IML	S1510253-005	10/26/15 10:44	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510253-005	11/12/15 10:17	Calculation	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	315 ± 8.0	pCi/L	IML	S1510253-005	10/27/15 16:02	SM 7110B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	109 ± 3.6	pCi/L	IML	S1510253-005	10/27/15 16:02	SM 7110B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	173 ± 1.5	pCi/L	IML	S1510253-005	11/3/15 13:25	SM 7500 Ra-B	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	1.9 ± 1.6	pCi/L	IML	S1510253-005	11/14/15 19:09	Ga-Tech	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-005	10/19/15 13:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-005	10/20/15 10:19	EPA 245.1	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	ND	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.0687	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-005	10/16/15 19:52	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-005	10/16/15 15:44	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-005	10/16/15 17:07	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-005	10/16/15 17:07	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	pH	8.4	s.u.	IML	S1510443-007	10/30/15 21:41	SM 4500 H B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	530	µmhos/cm	IML	S1510443-007	10/30/15 21:41	SM 2510B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	340	mg/L	IML	S1510443-007	10/29/15 12:32	SM 2540	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510443-007	11/5/15 16:25	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	89	mg/L	IML	S1510443-007	10/30/15 21:41	SM 2320B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-007	11/4/15 11:21	EPA 350.1	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	14	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	105	mg/L	IML	S1510443-007	10/30/15 21:41	SM 2320B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-007	10/30/15 21:41	SM 2320B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-007	11/3/15 17:25	EPA 300.0	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Fluoride	0.1	mg/L	IML	S1510443-007	10/30/15 21:41	SM 4500FC	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-007	11/3/15 15:24	EPA 353.2	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Sulfate	148	mg/L	IML	S1510443-007	11/3/15 17:25	EPA 300.0	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Calcium	58	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ222	MU2 Baseline	N/A	10/28/2015	Magnesium	3	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Potassium	4	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Sodium	31	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.54	meq/L	IML	S1510443-007	11/5/15 16:25	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Anion Sum	4.99	meq/L	IML	S1510443-007	11/5/15 16:25	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	4.78	%	IML	S1510443-007	11/5/15 16:25	SM 1030E	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510443-007	11/12/15 10:20	Calculation	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	320 ± 8.2	pCi/L	IML	S1510443-007	11/10/15 8:46	SM 7110B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	136 ± 4.1	pCi/L	IML	S1510443-007	11/10/15 8:46	SM 7110B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	176 ± 1.7	pCi/L	IML	S1510443-007	11/9/15 13:55	SM 7500 Ra-B	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	4.5 ± 1.6	pCi/L	IML	S1510443-007	11/22/15 21:54	Ga-Tech	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-007	11/4/15 10:06	EPA 245.1	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	ND	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	0.076	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-007	10/29/15 20:22	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-007	10/30/15 17:02	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-007	10/30/15 22:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	10/28/2015	Total Manganese	ND	mg/L	IML	S1510443-007	10/30/15 22:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	pH	8.5	s.u.	IML	S1509505-005	10/1/15 17:00	SM 4500 H B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	557	µmhos/cm	IML	S1509505-005	10/1/15 17:00	SM 2510B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	340	mg/L	IML	S1509505-005	9/30/15 14:42	SM 2540	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1509505-005	10/6/15 12:22	SM 1030E	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	87	mg/L	IML	S1509505-005	10/1/15 17:00	SM 2320B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-005	9/30/15 9:32	EPA 350.1	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	15	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	101	mg/L	IML	S1509505-005	10/1/15 17:00	SM 2320B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-005	10/1/15 17:00	SM 2320B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-005	9/30/15 20:11	EPA 300.0	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Fluoride	0.1	mg/L	IML	S1509505-005	10/1/15 17:00	SM 4500FC	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-005	10/1/15 13:07	EPA 353.2	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Sulfate	149	mg/L	IML	S1509505-005	9/30/15 20:11	EPA 300.0	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Calcium	58	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Magnesium	2	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ222	MU2 Baseline	N/A	9/28/2015	Potassium	4	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Sodium	32	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.58	meq/L	IML	S1509505-005	10/6/15 12:22	SM 1030E	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Anion Sum	4.98	meq/L	IML	S1509505-005	10/6/15 12:22	SM 1030E	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	4.15	%	IML	S1509505-005	10/6/15 12:22	SM 1030E	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1509505-005	11/6/15 10:24	Calculation	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	355 ± 8.5	pCi/L	IML	S1509505-005	10/14/15 16:28	SM 7110B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	152 ± 4.3	pCi/L	IML	S1509505-005	10/14/15 16:28	SM 7110B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	167 ± 1.7	pCi/L	IML	S1509505-005	10/27/15 16:07	SM 7500 Ra-B	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1509505-005	11/5/15 3:05	Ga-Tech	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.002	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-005	10/1/15 11:56	EPA 245.1	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	ND	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	0.0669	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-005	9/30/15 14:38	EPA 200.8	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-005	10/1/15 13:20	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Total Iron	ND	mg/L	IML	S1509505-005	10/3/15 0:51	EPA 200.7	
M-HJ222	MU2 Baseline	N/A	9/28/2015	Total Manganese	ND	mg/L	IML	S1509505-005	10/3/15 0:51	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-007	10/15/15 21:43	SM 4500 H B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	535	µmhos/cm	IML	S1510253-007	10/15/15 21:43	SM 2510B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1510253-007	10/16/15 10:10	SM 2540	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1510253-007	10/26/15 10:44	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	99	mg/L	IML	S1510253-007	10/15/15 21:43	SM 2320B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-007	10/20/15 9:45	EPA 350.1	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	119	mg/L	IML	S1510253-007	10/15/15 21:43	SM 2320B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-007	10/15/15 21:43	SM 2320B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Chloride	5	mg/L	IML	S1510253-007	10/16/15 10:33	EPA 300.0	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-007	10/15/15 21:43	SM 4500FC	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-007	10/19/15 18:15	EPA 353.2	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Sulfate	130	mg/L	IML	S1510253-007	10/16/15 10:33	EPA 300.0	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Calcium	54	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Potassium	7	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ223	MU2 Baseline	N/A	10/14/2015	Sodium	35	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.6	meq/L	IML	S1510253-007	10/26/15 10:44	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Anion Sum	4.82	meq/L	IML	S1510253-007	10/26/15 10:44	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	2.35	%	IML	S1510253-007	10/26/15 10:44	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510253-007	11/12/15 10:17	Calculation	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	366 ± 8.8	pCi/L	IML	S1510253-007	10/27/15 16:02	SM 7110B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	152 ± 4.4	pCi/L	IML	S1510253-007	10/27/15 16:02	SM 7110B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	111 ± 1.2	pCi/L	IML	S1510253-007	11/3/15 13:25	SM 7500 Ra-B	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510253-007	11/15/15 1:11	Ga-Tech	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	0.01	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-007	10/20/15 10:23	EPA 245.1	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	0.001	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.248	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-007	10/16/15 20:14	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-007	10/16/15 16:00	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-007	10/16/15 17:11	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/14/2015	Total Manganese	0.01	mg/L	IML	S1510253-007	10/16/15 17:11	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	pH	8.3	s.u.	IML	S1510443-010	10/30/15 22:11	SM 4500 H B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	524	µmhos/cm	IML	S1510443-010	10/30/15 22:11	SM 2510B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1510443-010	10/29/15 12:35	SM 2540	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1510443-010	11/5/15 16:25	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	101	mg/L	IML	S1510443-010	10/30/15 22:11	SM 2320B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-010	11/4/15 11:25	EPA 350.1	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	13	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	122	mg/L	IML	S1510443-010	10/30/15 22:11	SM 2320B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-010	10/30/15 22:11	SM 2320B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-010	11/3/15 18:04	EPA 300.0	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Fluoride	0.2	mg/L	IML	S1510443-010	10/30/15 22:11	SM 4500FC	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-010	11/3/15 15:28	EPA 353.2	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Sulfate	133	mg/L	IML	S1510443-010	11/3/15 18:04	EPA 300.0	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Calcium	54	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Magnesium	3	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Potassium	6	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Sodium	34	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	

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M-HJ223	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.59	meq/L	IML	S1510443-010	11/5/15 16:25	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Anion Sum	4.92	meq/L	IML	S1510443-010	11/5/15 16:25	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	3.43	%	IML	S1510443-010	11/5/15 16:25	SM 1030E	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510443-010	11/12/15 10:20	Calculation	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	376 ± 8.4	pCi/L	IML	S1510443-010	11/10/15 17:35	SM 7110B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	121 ± 3.7	pCi/L	IML	S1510443-010	11/10/15 17:35	SM 7110B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	136 ± 1.5	pCi/L	IML	S1510443-010	11/9/15 13:55	SM 7500 Ra-B	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510443-010	11/23/15 6:56	Ga-Tech	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	0.01	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-010	11/4/15 10:21	EPA 245.1	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	0.001	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	0.236	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-010	10/29/15 20:38	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-010	10/30/15 17:22	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-010	10/30/15 22:32	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	10/28/2015	Total Manganese	0.01	mg/L	IML	S1510443-010	10/30/15 22:32	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	pH	8.3	s.u.	IML	S1509505-007	10/1/15 17:29	SM 4500 H B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	545	µmhos/cm	IML	S1509505-007	10/1/15 17:29	SM 2510B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1509505-007	9/30/15 14:45	SM 2540	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1509505-007	10/6/15 12:22	SM 1030E	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	93	mg/L	IML	S1509505-007	10/1/15 17:29	SM 2320B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-007	9/30/15 9:34	EPA 350.1	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	14	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	114	mg/L	IML	S1509505-007	10/1/15 17:29	SM 2320B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-007	10/1/15 17:29	SM 2320B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-007	9/30/15 20:39	EPA 300.0	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Fluoride	0.2	mg/L	IML	S1509505-007	10/1/15 17:29	SM 4500FC	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-007	10/1/15 13:19	EPA 353.2	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Sulfate	136	mg/L	IML	S1509505-007	9/30/15 20:39	EPA 300.0	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Calcium	52	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Magnesium	3	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Potassium	6	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Sodium	35	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.47	meq/L	IML	S1509505-007	10/6/15 12:22	SM 1030E	

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M-HJ223	MU2 Baseline	N/A	9/28/2015	Anion Sum	4.84	meq/L	IML	S1509505-007	10/6/15 12:22	SM 1030E	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	3.97	%	IML	S1509505-007	10/6/15 12:22	SM 1030E	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1509505-007	11/6/15 10:24	Calculation	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	360 ± 8.6	pCi/L	IML	S1509505-007	10/14/15 16:28	SM 7110B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	158 ± 4.5	pCi/L	IML	S1509505-007	10/14/15 16:28	SM 7110B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	116 ± 1.4	pCi/L	IML	S1509505-007	10/28/15 11:18	SM 7500 Ra-B	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1509505-007	11/5/15 9:06	Ga-Tech	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.003	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-007	10/1/15 12:14	EPA 245.1	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	ND	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	0.236	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-007	9/30/15 14:49	EPA 200.8	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-007	10/1/15 13:27	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Total Iron	ND	mg/L	IML	S1509505-007	10/3/15 0:56	EPA 200.7	
M-HJ223	MU2 Baseline	N/A	9/28/2015	Total Manganese	ND	mg/L	IML	S1509505-007	10/3/15 0:56	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	pH	8.3	s.u.	IML	S1509527-001	10/5/15 18:12	SM 4500 H B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Electrical Conductivity	507	µmhos/cm	IML	S1509527-001	10/2/15 19:43	SM 2510B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (180)	300	mg/L	IML	S1509527-001	10/1/15 9:44	SM 2540	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (Calc)	280	mg/L	IML	S1509527-001	10/8/15 8:16	SM 1030E	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Total Alkalinity (as CaCO3)	106	mg/L	IML	S1509527-001	10/5/15 18:12	SM 2320B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509527-001	10/2/15 13:29	EPA 350.1	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Silica as SiO2	13	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Bicarbonate as HCO3	129	mg/L	IML	S1509527-001	10/5/15 18:12	SM 2320B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Carbonate as CO3	ND	mg/L	IML	S1509527-001	10/5/15 18:12	SM 2320B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Chloride	4	mg/L	IML	S1509527-001	10/1/15 10:49	EPA 300.0	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Fluoride	0.2	mg/L	IML	S1509527-001	10/2/15 19:43	SM 4500FC	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509527-001	10/1/15 13:22	EPA 353.2	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Sulfate	108	mg/L	IML	S1509527-001	10/1/15 10:49	EPA 300.0	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Calcium	52	mg/L	IML	S1509527-001	10/7/15 12:28	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Magnesium	2	mg/L	IML	S1509527-001	10/7/15 12:28	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Potassium	6	mg/L	IML	S1509527-001	10/7/15 12:28	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Sodium	33	mg/L	IML	S1509527-001	10/7/15 12:28	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Cation Sum	4.37	meq/L	IML	S1509527-001	10/8/15 8:16	SM 1030E	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Anion Sum	4.48	meq/L	IML	S1509527-001	10/8/15 8:16	SM 1030E	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ224	MU2 Baseline	N/A	9/29/2015	Cation-Anion Balance	1.25	%	IML	S1509527-001	10/8/15 8:16	SM 1030E	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Calculated TDS/TDS Ratio	1.07	dec. %	IML	S1509527-001	11/12/15 10:03	Calculation	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Gross Alpha (Dissolved)	163 ± 5.5	pCi/L	IML	S1509527-001	10/17/15 20:37	SM 7110B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Gross Beta (Dissolved)	64.8 ± 2.9	pCi/L	IML	S1509527-001	10/17/15 20:37	SM 7110B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Radium 226 (Dissolved)	53.2 ± 1.0	pCi/L	IML	S1509527-001	10/27/15 16:07	SM 7500 Ra-B	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1509527-001	11/7/15 20:15	Ga-Tech	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Arsenic	0.001	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Barium	ND	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Boron	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Chromium	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Copper	ND	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Iron	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Lead	ND	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Manganese	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Mercury	ND	mg/L	IML	S1509527-001	10/6/15 9:52	EPA 245.1	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Nickel	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Selenium	ND	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Uranium	0.15	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1509527-001	10/1/15 15:18	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Dissolved Zinc	ND	mg/L	IML	S1509527-001	10/2/15 20:00	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Total Iron	ND	mg/L	IML	S1509527-001	10/3/15 1:56	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	9/29/2015	Total Manganese	ND	mg/L	IML	S1509527-001	10/3/15 1:56	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-001	10/15/15 20:32	SM 4500 H B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	474	µmhos/cm	IML	S1510253-001	10/15/15 20:32	SM 2510B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	290	mg/L	IML	S1510253-001	10/16/15 10:03	SM 2540	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	280	mg/L	IML	S1510253-001	10/26/15 10:44	SM 1030E	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	107	mg/L	IML	S1510253-001	10/15/15 20:32	SM 2320B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-001	10/19/15 17:03	EPA 350.1	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	129	mg/L	IML	S1510253-001	10/15/15 20:32	SM 2320B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-001	10/15/15 20:32	SM 2320B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Chloride	4	mg/L	IML	S1510253-001	10/15/15 23:16	EPA 300.0	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-001	10/15/15 20:32	SM 4500FC	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-001	10/19/15 17:54	EPA 353.2	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Sulfate	109	mg/L	IML	S1510253-001	10/15/15 23:16	EPA 300.0	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Calcium	47	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Magnesium	2	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Potassium	5	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Sodium	35	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.16	meq/L	IML	S1510253-001	10/26/15 10:44	SM 1030E	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Anion Sum	4.53	meq/L	IML	S1510253-001	10/26/15 10:44	SM 1030E	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	4.2	%	IML	S1510253-001	10/26/15 10:44	SM 1030E	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ224	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.04	dec. %	IML	S1510253-001	11/12/15 10:17	Calculation	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	153 ± 5.6	pCi/L	IML	S1510253-001	10/23/15 16:28	SM 7110B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	60.3 ± 2.9	pCi/L	IML	S1510253-001	10/23/15 16:28	SM 7110B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	57.2 ± 0.9	pCi/L	IML	S1510253-001	11/2/15 14:06	SM 7500 Ra-B	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510253-001	11/14/15 7:06	Ga-Tech	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-001	10/20/15 10:05	EPA 245.1	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	ND	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.133	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-001	10/16/15 19:14	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-001	10/16/15 15:33	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-001	10/16/15 16:58	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-001	10/16/15 16:58	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	pH	8.3	s.u.	IML	S1510467-003	11/2/15 18:09	SM 4500 H B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Electrical Conductivity	409	µmhos/cm	IML	S1510467-003	11/2/15 18:09	SM 2510B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (180)	270	mg/L	IML	S1510467-003	10/30/15 14:28	SM 2540	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (Calc)	260	mg/L	IML	S1510467-003	11/6/15 10:24	SM 1030E	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Total Alkalinity (as CaCO3)	109	mg/L	IML	S1510467-003	11/2/15 18:09	SM 2320B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510467-003	11/4/15 11:53	EPA 350.1	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Silica as SiO2	13	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Bicarbonate as HCO3	133	mg/L	IML	S1510467-003	11/2/15 18:09	SM 2320B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Carbonate as CO3	ND	mg/L	IML	S1510467-003	11/2/15 18:09	SM 2320B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Chloride	4	mg/L	IML	S1510467-003	11/3/15 14:13	EPA 300.0	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Fluoride	0.2	mg/L	IML	S1510467-003	11/2/15 18:09	SM 4500FC	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510467-003	11/3/15 16:09	EPA 353.2	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Sulfate	93	mg/L	IML	S1510467-003	11/3/15 14:13	EPA 300.0	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Calcium	45	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Magnesium	2	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Potassium	4	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Sodium	31	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Cation Sum	3.87	meq/L	IML	S1510467-003	11/6/15 10:24	SM 1030E	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Anion Sum	4.22	meq/L	IML	S1510467-003	11/6/15 10:24	SM 1030E	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Cation-Anion Balance	4.24	%	IML	S1510467-003	11/6/15 10:24	SM 1030E	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Calculated TDS/TDS Ratio	1.04	dec. %	IML	S1510467-003	11/12/15 10:23	Calculation	

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M-HJ224	MU2 Baseline	N/A	10/29/2015	Gross Alpha (Dissolved)	147 ± 5.2	pCi/L	IML	S1510467-003	11/10/15 17:35	SM 7110B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Gross Beta (Dissolved)	68.3 ± 2.9	pCi/L	IML	S1510467-003	11/10/15 17:35	SM 7110B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Radium 226 (Dissolved)	51.5 ± 0.9	pCi/L	IML	S1510467-003	11/10/15 17:35	SM 7500 Ra-B	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510467-003	11/26/15 20:01	Ga-Tech	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Barium	ND	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Boron	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Chromium	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Copper	ND	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Iron	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Lead	ND	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Manganese	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Mercury	ND	mg/L	IML	S1510467-003	11/4/15 11:53	EPA 245.1	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Nickel	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Selenium	ND	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Uranium	0.101	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1510467-003	10/31/15 5:28	EPA 200.8	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Dissolved Zinc	ND	mg/L	IML	S1510467-003	11/2/15 15:41	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Total Iron	ND	mg/L	IML	S1510467-003	11/2/15 17:13	EPA 200.7	
M-HJ224	MU2 Baseline	N/A	10/29/2015	Total Manganese	ND	mg/L	IML	S1510467-003	11/2/15 17:13	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-003	10/15/15 21:03	SM 4500 H B	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	532	µmhos/cm	IML	S1510253-003	10/15/15 21:03	SM 2510B	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	340	mg/L	IML	S1510253-003	10/16/15 10:06	SM 2540	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1510253-003	10/26/15 10:44	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	103	mg/L	IML	S1510253-003	10/15/15 21:03	SM 2320B	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-003	10/19/15 17:06	EPA 350.1	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	124	mg/L	IML	S1510253-003	10/15/15 21:03	SM 2320B	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-003	10/15/15 21:03	SM 2320B	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Chloride	5	mg/L	IML	S1510253-003	10/15/15 23:44	EPA 300.0	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-003	10/15/15 21:03	SM 4500FC	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-003	10/19/15 18:09	EPA 353.2	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Sulfate	147	mg/L	IML	S1510253-003	10/15/15 23:44	EPA 300.0	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Calcium	60	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Potassium	3	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Sodium	35	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.82	meq/L	IML	S1510253-003	10/26/15 10:44	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Anion Sum	5.27	meq/L	IML	S1510253-003	10/26/15 10:44	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	4.44	%	IML	S1510253-003	10/26/15 10:44	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.03	dec. %	IML	S1510253-003	11/12/15 10:17	Calculation	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	430 ± 9.4	pCi/L	IML	S1510253-003	10/23/15 16:28	SM 7110B	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ225	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	195 ± 4.9	pCi/L	IML	S1510253-003	10/23/15 16:28	SM 7110B	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	316 ± 2.1	pCi/L	IML	S1510253-003	11/3/15 13:25	SM 7500 Ra-B	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	1.6 ± 1.9	pCi/L	IML	S1510253-003	11/14/15 13:07	Ga-Tech	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-003	10/20/15 10:15	EPA 245.1	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	0.013	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.109	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-003	10/16/15 19:41	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-003	10/16/15 15:37	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-003	10/16/15 17:02	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-003	10/16/15 17:02	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	pH	8.3	s.u.	IML	S1510467-002	11/2/15 17:59	SM 4500 H B	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Electrical Conductivity	515	µmhos/cm	IML	S1510467-002	11/2/15 17:59	SM 2510B	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (180)	340	mg/L	IML	S1510467-002	10/30/15 14:27	SM 2540	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510467-002	11/6/15 10:24	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Total Alkalinity (as CaCO3)	107	mg/L	IML	S1510467-002	11/2/15 17:59	SM 2320B	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510467-002	11/4/15 11:52	EPA 350.1	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Silica as SiO2	14	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Bicarbonate as HCO3	131	mg/L	IML	S1510467-002	11/2/15 17:59	SM 2320B	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Carbonate as CO3	ND	mg/L	IML	S1510467-002	11/2/15 17:59	SM 2320B	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Chloride	5	mg/L	IML	S1510467-002	11/3/15 14:00	EPA 300.0	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Fluoride	0.2	mg/L	IML	S1510467-002	11/2/15 17:59	SM 4500FC	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510467-002	11/3/15 16:07	EPA 353.2	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Sulfate	136	mg/L	IML	S1510467-002	11/3/15 14:00	EPA 300.0	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Calcium	59	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Magnesium	3	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Potassium	3	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Sodium	35	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Cation Sum	4.76	meq/L	IML	S1510467-002	11/6/15 10:24	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Anion Sum	5.12	meq/L	IML	S1510467-002	11/6/15 10:24	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Cation-Anion Balance	3.59	%	IML	S1510467-002	11/6/15 10:24	SM 1030E	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510467-002	11/12/15 10:23	Calculation	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Gross Alpha (Dissolved)	445 ± 9.4	pCi/L	IML	S1510467-002	11/10/15 17:35	SM 7110B	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Gross Beta (Dissolved)	261 ± 5.4	pCi/L	IML	S1510467-002	11/10/15 17:35	SM 7110B	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ225	MU2 Baseline	N/A	10/29/2015	Radium 226 (Dissolved)	338 ± 2.4	pCi/L	IML	S1510467-002	11/10/15 17:35	SM 7500 Ra-B	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Radium 228 (Dissolved)	5.0 ± 1.8	pCi/L	IML	S1510467-002	11/26/15 17:00	Ga-Tech	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Arsenic	0.001	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Barium	ND	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Boron	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Chromium	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Copper	ND	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Iron	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Lead	ND	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Manganese	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Mercury	ND	mg/L	IML	S1510467-002	11/4/15 11:37	EPA 245.1	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Nickel	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Selenium	0.01	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Uranium	0.0898	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1510467-002	10/31/15 5:23	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Dissolved Zinc	ND	mg/L	IML	S1510467-002	11/2/15 15:28	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Total Iron	ND	mg/L	IML	S1510467-002	11/2/15 17:00	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	10/29/2015	Total Manganese	ND	mg/L	IML	S1510467-002	11/2/15 17:00	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	pH	8.3	s.u.	IML	S1509505-008	10/1/15 17:39	SM 4500 H_B	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	553	µmhos/cm	IML	S1509505-008	10/1/15 17:39	SM 2510B	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	340	mg/L	IML	S1509505-008	9/30/15 14:46	SM 2540	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1509505-008	10/6/15 12:22	SM 1030E	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	102	mg/L	IML	S1509505-008	10/1/15 17:39	SM 2320B	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-008	9/30/15 10:54	EPA 350.1	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	15	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	124	mg/L	IML	S1509505-008	10/1/15 17:39	SM 2320B	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-008	10/1/15 17:39	SM 2320B	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-008	9/30/15 20:53	EPA 300.0	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Fluoride	0.2	mg/L	IML	S1509505-008	10/1/15 17:39	SM 4500FC	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-008	10/1/15 13:21	EPA 353.2	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Sulfate	136	mg/L	IML	S1509505-008	9/30/15 20:53	EPA 300.0	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Calcium	58	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Magnesium	3	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Potassium	3	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Sodium	31	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.54	meq/L	IML	S1509505-008	10/6/15 12:22	SM 1030E	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Anion Sum	5.01	meq/L	IML	S1509505-008	10/6/15 12:22	SM 1030E	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	4.97	%	IML	S1509505-008	10/6/15 12:22	SM 1030E	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.1	dec. %	IML	S1509505-008	11/6/15 10:24	Calculation	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	440 ± 9.4	pCi/L	IML	S1509505-008	10/14/15 16:28	SM 7110B	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	219 ± 5.2	pCi/L	IML	S1509505-008	10/14/15 16:28	SM 7110B	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	301 ± 2.1	pCi/L	IML	S1509505-008	10/28/15 11:18	SM 7500 Ra-B	

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M-HJ225	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1509505-008	11/5/15 12:07	Ga-Tech	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.002	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-008	10/1/15 12:16	EPA 245.1	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	0.012	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	0.101	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-008	9/30/15 14:54	EPA 200.8	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-008	10/1/15 13:33	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Total Iron	ND	mg/L	IML	S1509505-008	10/3/15 0:58	EPA 200.7	
M-HJ225	MU2 Baseline	N/A	9/28/2015	Total Manganese	ND	mg/L	IML	S1509505-008	10/3/15 0:58	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	pH	8.3	s.u.	IML	S1509527-004	10/2/15 20:11	SM 4500 H_B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Electrical Conductivity	571	µmhos/cm	IML	S1509527-004	10/2/15 20:11	SM 2510B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1509527-004	10/1/15 9:47	SM 2540	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1509527-004	10/8/15 8:16	SM 1030E	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Total Alkalinity (as CaCO3)	102	mg/L	IML	S1509527-004	10/2/15 20:11	SM 2320B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509527-004	10/2/15 13:33	EPA 350.1	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Silica as SiO2	13	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Bicarbonate as HCO3	125	mg/L	IML	S1509527-004	10/2/15 20:11	SM 2320B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Carbonate as CO3	ND	mg/L	IML	S1509527-004	10/2/15 20:11	SM 2320B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Chloride	5	mg/L	IML	S1509527-004	10/1/15 11:31	EPA 300.0	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Fluoride	0.2	mg/L	IML	S1509527-004	10/2/15 20:11	SM 4500FC	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509527-004	10/1/15 13:27	EPA 353.2	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Sulfate	144	mg/L	IML	S1509527-004	10/1/15 11:31	EPA 300.0	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Calcium	61	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Magnesium	3	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Potassium	2	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Sodium	31	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Cation Sum	4.7	meq/L	IML	S1509527-004	10/8/15 8:16	SM 1030E	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Anion Sum	5.18	meq/L	IML	S1509527-004	10/8/15 8:16	SM 1030E	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Cation-Anion Balance	4.84	%	IML	S1509527-004	10/8/15 8:16	SM 1030E	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1509527-004	11/12/15 10:03	Calculation	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Gross Alpha (Dissolved)	342 ± 8.6	pCi/L	IML	S1509527-004	10/17/15 20:37	SM 7110B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Gross Beta (Dissolved)	97.2 ± 3.6	pCi/L	IML	S1509527-004	10/17/15 20:37	SM 7110B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Radium 226 (Dissolved)	288 ± 2.2	pCi/L	IML	S1509527-004	10/27/15 16:07	SM 7500 Ra-B	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Radium 228 (Dissolved)	4.2 ± 1.8	pCi/L	IML	S1509527-004	11/8/15 5:17	Ga-Tech	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Arsenic	0.002	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Barium	ND	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Boron	ND	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Chromium	ND	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Copper	ND	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Iron	ND	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Lead	ND	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Manganese	0.01	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Mercury	ND	mg/L	IML	S1509527-004	10/6/15 9:58	EPA 245.1	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Nickel	ND	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Selenium	ND	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Uranium	0.094	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1509527-004	10/1/15 15:51	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Dissolved Zinc	ND	mg/L	IML	S1509527-004	10/2/15 20:14	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Total Iron	ND	mg/L	IML	S1509527-004	10/3/15 2:17	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	9/29/2015	Total Manganese	0.01	mg/L	IML	S1509527-004	10/3/15 2:17	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-008	10/15/15 21:53	SM 4500 H B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	563	µmhos/cm	IML	S1510253-008	10/15/15 21:53	SM 2510B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510253-008	10/16/15 10:11	SM 2540	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1510253-008	10/26/15 10:44	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	105	mg/L	IML	S1510253-008	10/15/15 21:53	SM 2320B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-008	10/20/15 10:00	EPA 350.1	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	128	mg/L	IML	S1510253-008	10/15/15 21:53	SM 2320B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-008	10/15/15 21:53	SM 2320B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Chloride	5	mg/L	IML	S1510253-008	10/16/15 10:47	EPA 300.0	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-008	10/15/15 21:53	SM 4500FC	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-008	10/19/15 18:17	EPA 353.2	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Sulfate	141	mg/L	IML	S1510253-008	10/16/15 10:47	EPA 300.0	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Calcium	65	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Potassium	2	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Sodium	32	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.93	meq/L	IML	S1510253-008	10/26/15 10:44	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Anion Sum	5.18	meq/L	IML	S1510253-008	10/26/15 10:44	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	2.37	%	IML	S1510253-008	10/26/15 10:44	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510253-008	11/12/15 10:17	Calculation	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	399 ± 9.2	pCi/L	IML	S1510253-008	10/27/15 16:02	SM 7110B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	138 ± 4.2	pCi/L	IML	S1510253-008	10/27/15 16:02	SM 7110B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	300 ± 2.1	pCi/L	IML	S1510253-008	11/3/15 13:25	SM 7500 Ra-B	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	5.1 ± 1.7	pCi/L	IML	S1510253-008	11/15/15 4:12	Ga-Tech	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	

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M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	0.01	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-008	10/20/15 10:25	EPA 245.1	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	ND	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.0837	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-008	10/16/15 20:20	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-008	10/16/15 16:02	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-008	10/16/15 17:16	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/14/2015	Total Manganese	0.01	mg/L	IML	S1510253-008	10/16/15 17:16	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	pH	8.3	s.u.	IML	S1510467-005	11/2/15 18:29	SM 4500 H B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Electrical Conductivity	513	µmhos/cm	IML	S1510467-005	11/2/15 18:29	SM 2510B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510467-005	10/30/15 14:31	SM 2540	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510467-005	11/6/15 10:24	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Total Alkalinity (as CaCO3)	106	mg/L	IML	S1510467-005	11/2/15 18:29	SM 2320B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510467-005	11/4/15 12:04	EPA 350.1	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Silica as SiO2	13	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Bicarbonate as HCO3	130	mg/L	IML	S1510467-005	11/2/15 18:29	SM 2320B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Carbonate as CO3	ND	mg/L	IML	S1510467-005	11/2/15 18:29	SM 2320B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Chloride	5	mg/L	IML	S1510467-005	11/5/15 20:33	EPA 300.0	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Fluoride	0.2	mg/L	IML	S1510467-005	11/2/15 18:29	SM 4500FC	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510467-005	11/3/15 16:12	EPA 353.2	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Sulfate	137	mg/L	IML	S1510467-005	11/5/15 20:33	EPA 300.0	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Calcium	68	mg/L	IML	S1510467-005	11/5/15 17:55	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Magnesium	3	mg/L	IML	S1510467-005	11/5/15 17:55	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Potassium	2	mg/L	IML	S1510467-005	11/5/15 17:55	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Sodium	33	mg/L	IML	S1510467-005	11/5/15 17:55	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Cation Sum	5.12	meq/L	IML	S1510467-005	11/6/15 10:24	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Anion Sum	5.11	meq/L	IML	S1510467-005	11/6/15 10:24	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Cation-Anion Balance	0.09	%	IML	S1510467-005	11/6/15 10:24	SM 1030E	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1510467-005	11/12/15 10:23	Calculation	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Gross Alpha (Dissolved)	462 ± 9.9	pCi/L	IML	S1510467-005	11/10/15 17:35	SM 7110B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Gross Beta (Dissolved)	190 ± 4.8	pCi/L	IML	S1510467-005	11/10/15 17:35	SM 7110B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Radium 226 (Dissolved)	271 ± 2.1	pCi/L	IML	S1510467-005	11/10/15 17:35	SM 7500 Ra-B	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Radium 228 (Dissolved)	1.8 ± 1.8	pCi/L	IML	S1510467-005	11/27/15 2:03	Ga-Tech	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Barium	ND	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Boron	ND	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Chromium	ND	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Copper	ND	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Iron	ND	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Lead	ND	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Manganese	0.01	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Mercury	ND	mg/L	IML	S1510467-005	11/4/15 11:57	EPA 245.1	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Nickel	ND	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Selenium	ND	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Uranium	0.0726	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1510467-005	10/31/15 5:39	EPA 200.8	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Dissolved Zinc	ND	mg/L	IML	S1510467-005	11/2/15 15:45	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Total Iron	ND	mg/L	IML	S1510467-005	11/2/15 17:18	EPA 200.7	
M-HJ226	MU2 Baseline	N/A	10/29/2015	Total Manganese	0.01	mg/L	IML	S1510467-005	11/2/15 17:18	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	pH	8.3	s.u.	IML	S1509527-005	10/2/15 20:20	SM 4500 H B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Electrical Conductivity	539	µmhos/cm	IML	S1509527-005	10/2/15 20:20	SM 2510B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1509527-005	10/1/15 9:48	SM 2540	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1509527-005	10/8/15 8:16	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Total Alkalinity (as CaCO3)	84	mg/L	IML	S1509527-005	10/2/15 20:20	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509527-005	10/2/15 13:34	EPA 350.1	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Silica as SiO2	12	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Bicarbonate as HCO3	102	mg/L	IML	S1509527-005	10/2/15 20:20	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Carbonate as CO3	ND	mg/L	IML	S1509527-005	10/2/15 20:20	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Chloride	5	mg/L	IML	S1509527-005	10/5/15 15:31	EPA 300.0	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Fluoride	0.2	mg/L	IML	S1509527-005	10/2/15 20:20	SM 4500FC	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509527-005	10/1/15 13:28	EPA 353.2	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Sulfate	142	mg/L	IML	S1509527-005	10/5/15 15:31	EPA 300.0	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Calcium	56	mg/L	IML	S1509527-005	10/7/15 12:30	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Magnesium	3	mg/L	IML	S1509527-005	10/7/15 12:30	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Potassium	7	mg/L	IML	S1509527-005	10/7/15 12:30	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Sodium	33	mg/L	IML	S1509527-005	10/7/15 12:30	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Cation Sum	4.63	meq/L	IML	S1509527-005	10/8/15 8:16	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Anion Sum	4.77	meq/L	IML	S1509527-005	10/8/15 8:16	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Cation-Anion Balance	1.44	%	IML	S1509527-005	10/8/15 8:16	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1509527-005	11/12/15 10:03	Calculation	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Gross Alpha (Dissolved)	351 ± 8.4	pCi/L	IML	S1509527-005	10/17/15 20:37	SM 7110B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Gross Beta (Dissolved)	168 ± 4.6	pCi/L	IML	S1509527-005	10/17/15 20:37	SM 7110B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Radium 226 (Dissolved)	166 ± 2.3	pCi/L	IML	S1509527-005	10/28/15 13:56	SM 7500 Ra-B	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Radium 228 (Dissolved)	2.1 ± 1.6	pCi/L	IML	S1509527-005	11/8/15 8:18	Ga-Tech	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Arsenic	0.001	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Barium	ND	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	

APPENDIX A: Water Quality Data
2016 Annual Report
Lost Creek ISR Project PT788

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Boron	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Chromium	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Copper	ND	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Iron	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Lead	ND	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Manganese	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Mercury	ND	mg/L	IML	S1509527-005	10/6/15 10:00	EPA 245.1	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Nickel	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Selenium	ND	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Uranium	0.102	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1509527-005	10/1/15 15:56	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Dissolved Zinc	ND	mg/L	IML	S1509527-005	10/2/15 20:16	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Total Iron	ND	mg/L	IML	S1509527-005	10/3/15 2:19	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	9/29/2015	Total Manganese	ND	mg/L	IML	S1509527-005	10/3/15 2:19	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-009	10/15/15 22:03	SM 4500 H B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	537	µmhos/cm	IML	S1510253-009	10/15/15 22:03	SM 2510B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1510253-009	10/16/15 10:12	SM 2540	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1510253-009	10/26/15 10:44	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	90	mg/L	IML	S1510253-009	10/15/15 22:03	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-009	10/20/15 10:01	EPA 350.1	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	13	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	108	mg/L	IML	S1510253-009	10/15/15 22:03	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-009	10/15/15 22:03	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Chloride	5	mg/L	IML	S1510253-009	10/16/15 11:00	EPA 300.0	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-009	10/15/15 22:03	SM 4500FC	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-009	10/19/15 18:18	EPA 353.2	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Sulfate	139	mg/L	IML	S1510253-009	10/16/15 11:00	EPA 300.0	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Calcium	54	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Potassium	7	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Sodium	33	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.55	meq/L	IML	S1510253-009	10/26/15 10:44	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Anion Sum	4.81	meq/L	IML	S1510253-009	10/26/15 10:44	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	2.72	%	IML	S1510253-009	10/26/15 10:44	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510253-009	11/12/15 10:17	Calculation	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	402 ± 9.0	pCi/L	IML	S1510253-009	10/27/15 16:02	SM 7110B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	196 ± 4.9	pCi/L	IML	S1510253-009	10/27/15 16:02	SM 7110B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	192 ± 1.6	pCi/L	IML	S1510253-009	11/3/15 13:25	SM 7500 Ra-B	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	3.5 ± 1.6	pCi/L	IML	S1510253-009	11/15/15 7:13	Ga-Tech	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-009	10/20/15 10:27	EPA 245.1	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	ND	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.152	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-009	10/16/15 20:25	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-009	10/16/15 16:04	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-009	10/16/15 17:29	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-009	10/16/15 17:29	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	pH	8.2	s.u.	IML	S1510467-006	11/2/15 18:50	SM 4500 H B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Electrical Conductivity	518	µmhos/cm	IML	S1510467-006	11/2/15 18:50	SM 2510B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (180)	340	mg/L	IML	S1510467-006	10/30/15 14:32	SM 2540	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510467-006	11/6/15 10:24	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Total Alkalinity (as CaCO3)	96	mg/L	IML	S1510467-006	11/2/15 18:50	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510467-006	11/4/15 12:05	EPA 350.1	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Silica as SiO2	13	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Bicarbonate as HCO3	116	mg/L	IML	S1510467-006	11/2/15 18:50	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Carbonate as CO3	ND	mg/L	IML	S1510467-006	11/2/15 18:50	SM 2320B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Chloride	5	mg/L	IML	S1510467-006	11/3/15 14:50	EPA 300.0	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Fluoride	0.2	mg/L	IML	S1510467-006	11/2/15 18:50	SM 4500FC	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510467-006	11/3/15 16:13	EPA 353.2	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Sulfate	146	mg/L	IML	S1510467-006	11/3/15 14:50	EPA 300.0	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Calcium	56	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Magnesium	3	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Potassium	6	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Sodium	32	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Cation Sum	4.62	meq/L	IML	S1510467-006	11/6/15 10:24	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Anion Sum	5.09	meq/L	IML	S1510467-006	11/6/15 10:24	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Cation-Anion Balance	4.75	%	IML	S1510467-006	11/6/15 10:24	SM 1030E	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510467-006	11/12/15 10:23	Calculation	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Gross Alpha (Dissolved)	351 ± 8.7	pCi/L	IML	S1510467-006	11/10/15 17:35	SM 7110B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Gross Beta (Dissolved)	141 ± 4.2	pCi/L	IML	S1510467-006	11/10/15 17:35	SM 7110B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Radium 226 (Dissolved)	204 ± 1.9	pCi/L	IML	S1510467-006	11/10/15 17:35	SM 7500 Ra-B	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Radium 228 (Dissolved)	2.5 ± 1.6	pCi/L	IML	S1510467-006	11/27/15 5:04	Ga-Tech	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Arsenic	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Barium	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Boron	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Chromium	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Copper	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Iron	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Lead	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Manganese	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Mercury	ND	mg/L	IML	S1510467-006	11/4/15 11:59	EPA 245.1	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Nickel	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Selenium	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Uranium	0.114	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1510467-006	10/31/15 5:45	EPA 200.8	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Dissolved Zinc	ND	mg/L	IML	S1510467-006	11/2/15 15:48	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Total Iron	ND	mg/L	IML	S1510467-006	11/2/15 17:20	EPA 200.7	
M-HJ227A	MU2 Baseline	N/A	10/29/2015	Total Manganese	ND	mg/L	IML	S1510467-006	11/2/15 17:20	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	pH	8.2	s.u.	IML	S1510203-002	10/13/15 18:18	SM 4500 H B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Electrical Conductivity	543	µmhos/cm	IML	S1510203-002	10/13/15 18:18	SM 2510B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (180)	360	mg/L	IML	S1510203-002	10/13/15 15:18	SM 2540	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1510203-002	10/21/15 10:42	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Total Alkalinity (as CaCO3)	86	mg/L	IML	S1510203-002	10/13/15 18:18	SM 2320B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510203-002	10/19/15 12:44	EPA 350.1	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Silica as SiO2	13	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Bicarbonate as HCO3	105	mg/L	IML	S1510203-002	10/13/15 18:18	SM 2320B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Carbonate as CO3	ND	mg/L	IML	S1510203-002	10/13/15 18:18	SM 2320B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Chloride	5	mg/L	IML	S1510203-002	10/14/15 0:37	EPA 300.0	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Fluoride	0.1	mg/L	IML	S1510203-002	10/13/15 18:18	SM 4500FC	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510203-002	10/19/15 9:05	EPA 353.2	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Sulfate	154	mg/L	IML	S1510203-002	10/14/15 0:37	EPA 300.0	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Calcium	58	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Magnesium	2	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Potassium	8	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Sodium	37	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Cation Sum	4.88	meq/L	IML	S1510203-002	10/21/15 10:42	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Anion Sum	5.06	meq/L	IML	S1510203-002	10/21/15 10:42	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Cation-Anion Balance	1.86	%	IML	S1510203-002	10/21/15 10:42	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1510203-002	11/12/15 10:15	Calculation	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Gross Alpha (Dissolved)	362 ± 8.5	pCi/L	IML	S1510203-002	10/23/15 10:07	SM 7110B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Gross Beta (Dissolved)	164 ± 4.5	pCi/L	IML	S1510203-002	10/23/15 10:07	SM 7110B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Radium 226 (Dissolved)	144 ± 1.4	pCi/L	IML	S1510203-002	11/2/15 12:03	SM 7500 Ra-B	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Radium 228 (Dissolved)	1.1 ± 1.5	pCi/L	IML	S1510203-002	11/9/15 2:23	Ga-Tech	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Aluminum	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Barium	ND	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Beryllium	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Boron	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Cadmium	ND	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	

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M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Chromium	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Copper	ND	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Iron	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Lead	ND	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Manganese	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Mercury	ND	mg/L	IML	S1510203-002	10/16/15 8:33	EPA 245.1	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Nickel	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Selenium	ND	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Uranium	0.122	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Vanadium	ND	mg/L	IML	S1510203-002	10/13/15 23:29	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Dissolved Zinc	ND	mg/L	IML	S1510203-002	10/14/15 17:14	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Total Iron	ND	mg/L	IML	S1510203-002	10/14/15 23:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/12/2015	Total Manganese	ND	mg/L	IML	S1510203-002	10/14/15 23:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	pH	8.3	s.u.	IML	S1510443-003	10/30/15 20:51	SM 4500 H B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	557	µmhos/cm	IML	S1510443-003	10/30/15 20:51	SM 2510B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	360	mg/L	IML	S1510443-003	10/29/15 12:27	SM 2540	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1510443-003	11/5/15 16:25	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	89	mg/L	IML	S1510443-003	10/30/15 20:51	SM 2320B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-003	11/4/15 11:08	EPA 350.1	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	13	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	108	mg/L	IML	S1510443-003	10/30/15 20:51	SM 2320B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-003	10/30/15 20:51	SM 2320B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-003	11/3/15 16:34	EPA 300.0	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Fluoride	0.2	mg/L	IML	S1510443-003	10/30/15 20:51	SM 4500FC	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-003	11/3/15 15:18	EPA 353.2	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Sulfate	158	mg/L	IML	S1510443-003	11/3/15 16:34	EPA 300.0	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Calcium	60	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Magnesium	3	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Potassium	7	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Sodium	34	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.83	meq/L	IML	S1510443-003	11/5/15 16:25	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Anion Sum	5.2	meq/L	IML	S1510443-003	11/5/15 16:25	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	3.73	%	IML	S1510443-003	11/5/15 16:25	SM 1030E	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.09	dec. %	IML	S1510443-003	11/12/15 10:20	Calculation	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	364 ± 8.9	pCi/L	IML	S1510443-003	11/10/15 8:46	SM 7110B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	165 ± 4.5	pCi/L	IML	S1510443-003	11/10/15 8:46	SM 7110B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	152 ± 1.6	pCi/L	IML	S1510443-003	11/9/15 13:55	SM 7500 Ra-B	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	3.4 ± 1.5	pCi/L	IML	S1510443-003	11/22/15 9:50	Ga-Tech	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.004	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	

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M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	0.01	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-003	11/4/15 9:58	EPA 245.1	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	ND	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	0.14	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-003	10/29/15 20:00	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-003	10/30/15 16:53	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-003	10/30/15 21:55	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	10/28/2015	Total Manganese	0.01	mg/L	IML	S1510443-003	10/30/15 21:55	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	pH	8.2	s.u.	IML	S1509505-002	10/1/15 16:30	SM 4500 H B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Electrical Conductivity	562	µmhos/cm	IML	S1509505-002	10/1/15 16:30	SM 2510B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1509505-002	9/30/15 14:39	SM 2540	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1509505-002	10/6/15 12:22	SM 1030E	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Total Alkalinity (as CaCO3)	80	mg/L	IML	S1509505-002	10/1/15 16:30	SM 2320B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509505-002	9/30/15 9:28	EPA 350.1	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Silica as SiO2	14	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Bicarbonate as HCO3	98	mg/L	IML	S1509505-002	10/1/15 16:30	SM 2320B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Carbonate as CO3	ND	mg/L	IML	S1509505-002	10/1/15 16:30	SM 2320B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Chloride	5	mg/L	IML	S1509505-002	9/30/15 19:29	EPA 300.0	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Fluoride	0.2	mg/L	IML	S1509505-002	10/1/15 16:30	SM 4500FC	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509505-002	10/1/15 13:03	EPA 353.2	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Sulfate	161	mg/L	IML	S1509505-002	9/30/15 19:29	EPA 300.0	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Calcium	58	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Magnesium	3	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Potassium	9	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Sodium	34	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Cation Sum	4.82	meq/L	IML	S1509505-002	10/6/15 12:22	SM 1030E	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Anion Sum	5.09	meq/L	IML	S1509505-002	10/6/15 12:22	SM 1030E	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Cation-Anion Balance	2.74	%	IML	S1509505-002	10/6/15 12:22	SM 1030E	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1509505-002	11/6/15 10:24	Calculation	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Gross Alpha (Dissolved)	456 ± 9.5	pCi/L	IML	S1509505-002	10/14/15 16:28	SM 7110B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Gross Beta (Dissolved)	220 ± 4.9	pCi/L	IML	S1509505-002	10/14/15 16:28	SM 7110B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Radium 226 (Dissolved)	141 ± 1.6	pCi/L	IML	S1509505-002	10/27/15 16:07	SM 7500 Ra-B	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Radium 228 (Dissolved)	3.1 ± 1.6	pCi/L	IML	S1509505-002	11/4/15 18:02	Ga-Tech	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Arsenic	0.003	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Barium	ND	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Boron	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Chromium	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Copper	ND	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Iron	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Lead	ND	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Manganese	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Mercury	ND	mg/L	IML	S1509505-002	10/1/15 11:51	EPA 245.1	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Nickel	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Selenium	ND	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Uranium	0.129	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1509505-002	9/30/15 14:10	EPA 200.8	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Dissolved Zinc	ND	mg/L	IML	S1509505-002	10/1/15 13:02	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Total Iron	ND	mg/L	IML	S1509505-002	10/3/15 0:40	EPA 200.7	
M-HJ228	MU2 Baseline	N/A	9/28/2015	Total Manganese	ND	mg/L	IML	S1509505-002	10/3/15 0:40	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	pH	8.3	s.u.	IML	S1509527-003	10/2/15 20:02	SM 4500 H B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Electrical Conductivity	547	µmhos/cm	IML	S1509527-003	10/2/15 20:02	SM 2510B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1509527-003	10/1/15 9:46	SM 2540	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1509527-003	10/8/15 8:16	SM 1030E	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Total Alkalinity (as CaCO3)	98	mg/L	IML	S1509527-003	10/2/15 20:02	SM 2320B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509527-003	10/2/15 13:32	EPA 350.1	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Silica as SiO2	13	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Bicarbonate as HCO3	120	mg/L	IML	S1509527-003	10/2/15 20:02	SM 2320B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Carbonate as CO3	ND	mg/L	IML	S1509527-003	10/2/15 20:02	SM 2320B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Chloride	5	mg/L	IML	S1509527-003	10/1/15 11:17	EPA 300.0	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Fluoride	0.2	mg/L	IML	S1509527-003	10/2/15 20:02	SM 4500FC	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509527-003	10/1/15 13:25	EPA 353.2	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Sulfate	133	mg/L	IML	S1509527-003	10/1/15 11:17	EPA 300.0	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Calcium	55	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Magnesium	3	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Potassium	6	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Sodium	33	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Cation Sum	4.51	meq/L	IML	S1509527-003	10/8/15 8:16	SM 1030E	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Anion Sum	4.89	meq/L	IML	S1509527-003	10/8/15 8:16	SM 1030E	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Cation-Anion Balance	4.08	%	IML	S1509527-003	10/8/15 8:16	SM 1030E	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1509527-003	11/12/15 10:03	Calculation	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Gross Alpha (Dissolved)	252 ± 7.2	pCi/L	IML	S1509527-003	10/17/15 20:37	SM 7110B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Gross Beta (Dissolved)	70.0 ± 3.1	pCi/L	IML	S1509527-003	10/17/15 20:37	SM 7110B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Radium 226 (Dissolved)	125 ± 1.5	pCi/L	IML	S1509527-003	10/27/15 16:07	SM 7500 Ra-B	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Radium 228 (Dissolved)	3.8 ± 1.3	pCi/L	IML	S1509527-003	11/8/15 2:16	Ga-Tech	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Arsenic	0.001	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Barium	ND	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Boron	ND	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Chromium	ND	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Copper	ND	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Iron	ND	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	

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M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Lead	ND	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Manganese	0.02	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Mercury	ND	mg/L	IML	S1509527-003	10/6/15 9:56	EPA 245.1	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Nickel	ND	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Selenium	ND	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Uranium	0.103	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1509527-003	10/1/15 15:45	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Dissolved Zinc	ND	mg/L	IML	S1509527-003	10/2/15 20:11	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Total Iron	0.76	mg/L	IML	S1509527-003	10/3/15 2:15	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	9/29/2015	Total Manganese	0.02	mg/L	IML	S1509527-003	10/3/15 2:15	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-002	10/15/15 20:53	SM 4500 H B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	534	µmhos/cm	IML	S1510253-002	10/15/15 20:53	SM 2510B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510253-002	10/16/15 10:05	SM 2540	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1510253-002	10/26/15 10:44	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	103	mg/L	IML	S1510253-002	10/15/15 20:53	SM 2320B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-002	10/19/15 17:04	EPA 350.1	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	123	mg/L	IML	S1510253-002	10/15/15 20:53	SM 2320B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-002	10/15/15 20:53	SM 2320B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Chloride	5	mg/L	IML	S1510253-002	10/15/15 23:30	EPA 300.0	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-002	10/15/15 20:53	SM 4500FC	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-002	10/19/15 17:56	EPA 353.2	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Sulfate	147	mg/L	IML	S1510253-002	10/15/15 23:30	EPA 300.0	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Calcium	59	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Potassium	5	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Sodium	36	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.83	meq/L	IML	S1510253-002	10/26/15 10:44	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Anion Sum	5.26	meq/L	IML	S1510253-002	10/26/15 10:44	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	4.26	%	IML	S1510253-002	10/26/15 10:44	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510253-002	11/12/15 10:17	Calculation	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	216 ± 6.7	pCi/L	IML	S1510253-002	10/23/15 16:28	SM 7110B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	100 ± 3.6	pCi/L	IML	S1510253-002	10/23/15 16:28	SM 7110B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	134 ± 1.4	pCi/L	IML	S1510253-002	11/2/15 14:06	SM 7500 Ra-B	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	1.9 ± 1.5	pCi/L	IML	S1510253-002	11/14/15 10:06	Ga-Tech	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.003	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	0.001	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	

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M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	0.01	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-002	10/20/15 10:13	EPA 245.1	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	0.002	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.108	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-002	10/16/15 19:36	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-002	10/16/15 15:35	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Total Iron	0.59	mg/L	IML	S1510253-002	10/16/15 17:00	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/14/2015	Total Manganese	0.02	mg/L	IML	S1510253-002	10/16/15 17:00	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	pH	8.3	s.u.	IML	S1510467-004	11/2/15 18:19	SM 4500 H B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Electrical Conductivity	519	µmhos/cm	IML	S1510467-004	11/2/15 18:19	SM 2510B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (180)	340	mg/L	IML	S1510467-004	10/30/15 14:30	SM 2540	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510467-004	11/6/15 10:24	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Total Alkalinity (as CaCO3)	107	mg/L	IML	S1510467-004	11/2/15 18:19	SM 2320B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510467-004	11/4/15 11:54	EPA 350.1	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Silica as SiO2	14	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Bicarbonate as HCO3	130	mg/L	IML	S1510467-004	11/2/15 18:19	SM 2320B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Carbonate as CO3	ND	mg/L	IML	S1510467-004	11/2/15 18:19	SM 2320B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Chloride	5	mg/L	IML	S1510467-004	11/3/15 14:25	EPA 300.0	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Fluoride	0.2	mg/L	IML	S1510467-004	11/2/15 18:19	SM 4500FC	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510467-004	11/3/15 16:10	EPA 353.2	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Sulfate	136	mg/L	IML	S1510467-004	11/3/15 14:25	EPA 300.0	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Calcium	59	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Magnesium	3	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Potassium	4	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Sodium	35	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Cation Sum	4.75	meq/L	IML	S1510467-004	11/6/15 10:24	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Anion Sum	5.14	meq/L	IML	S1510467-004	11/6/15 10:24	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Cation-Anion Balance	3.85	%	IML	S1510467-004	11/6/15 10:24	SM 1030E	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510467-004	11/12/15 10:23	Calculation	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Gross Alpha (Dissolved)	222 ± 6.5	pCi/L	IML	S1510467-004	11/10/15 17:35	SM 7110B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Gross Beta (Dissolved)	108 ± 3.7	pCi/L	IML	S1510467-004	11/10/15 17:35	SM 7110B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Radium 226 (Dissolved)	142 ± 1.6	pCi/L	IML	S1510467-004	11/10/15 17:35	SM 7500 Ra-B	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Radium 228 (Dissolved)	2.3 ± 1.4	pCi/L	IML	S1510467-004	11/26/15 23:02	Ga-Tech	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Arsenic	0.001	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Barium	ND	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Boron	ND	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Chromium	ND	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Copper	ND	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Iron	ND	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Lead	ND	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Manganese	0.01	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Mercury	ND	mg/L	IML	S1510467-004	11/4/15 11:55	EPA 245.1	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Nickel	ND	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Selenium	ND	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Uranium	0.0713	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1510467-004	10/31/15 5:34	EPA 200.8	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Dissolved Zinc	ND	mg/L	IML	S1510467-004	11/2/15 15:43	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Total Iron	0.55	mg/L	IML	S1510467-004	11/2/15 17:15	EPA 200.7	
M-HJ229	MU2 Baseline	N/A	10/29/2015	Total Manganese	0.02	mg/L	IML	S1510467-004	11/2/15 17:15	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	pH	8.3	s.u.	IML	S1509527-007	10/2/15 20:40	SM 4500 H B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Electrical Conductivity	559	µmhos/cm	IML	S1509527-007	10/2/15 20:40	SM 2510B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (180)	330	mg/L	IML	S1509527-007	10/1/15 9:50	SM 2540	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1509527-007	10/8/15 8:16	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Total Alkalinity (as CaCO3)	96	mg/L	IML	S1509527-007	10/2/15 20:40	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509527-007	10/2/15 13:45	EPA 350.1	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Silica as SiO2	13	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Bicarbonate as HCO3	117	mg/L	IML	S1509527-007	10/2/15 20:40	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Carbonate as CO3	ND	mg/L	IML	S1509527-007	10/2/15 20:40	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Chloride	5	mg/L	IML	S1509527-007	10/1/15 12:13	EPA 300.0	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Fluoride	0.2	mg/L	IML	S1509527-007	10/2/15 20:40	SM 4500FC	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509527-007	10/1/15 13:31	EPA 353.2	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Sulfate	141	mg/L	IML	S1509527-007	10/1/15 12:13	EPA 300.0	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Calcium	58	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Magnesium	3	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Potassium	4	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Sodium	34	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Cation Sum	4.66	meq/L	IML	S1509527-007	10/8/15 8:16	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Anion Sum	5.01	meq/L	IML	S1509527-007	10/8/15 8:16	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Cation-Anion Balance	3.54	%	IML	S1509527-007	10/8/15 8:16	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Calculated TDS/TDS Ratio	1.03	dec. %	IML	S1509527-007	11/12/15 10:03	Calculation	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Gross Alpha (Dissolved)	226 ± 6.9	pCi/L	IML	S1509527-007	10/17/15 20:37	SM 7110B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Gross Beta (Dissolved)	104 ± 3.7	pCi/L	IML	S1509527-007	10/17/15 20:37	SM 7110B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Radium 226 (Dissolved)	179 ± 1.7	pCi/L	IML	S1509527-007	10/28/15 13:56	SM 7500 Ra-B	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Radium 228 (Dissolved)	2.1 ± 1.6	pCi/L	IML	S1509527-007	11/8/15 14:20	Ga-Tech	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Arsenic	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Barium	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Boron	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Chromium	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Copper	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Iron	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Lead	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Manganese	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Mercury	ND	mg/L	IML	S1509527-007	10/6/15 10:07	EPA 245.1	

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M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Nickel	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Selenium	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Uranium	0.0331	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1509527-007	10/1/15 16:18	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Dissolved Zinc	ND	mg/L	IML	S1509527-007	10/2/15 20:20	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Total Iron	ND	mg/L	IML	S1509527-007	10/3/15 2:24	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	9/29/2015	Total Manganese	ND	mg/L	IML	S1509527-007	10/3/15 2:24	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-010	10/15/15 22:13	SM 4500 H B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	552	µmhos/cm	IML	S1510253-010	10/15/15 22:13	SM 2510B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	360	mg/L	IML	S1510253-010	10/16/15 10:13	SM 2540	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	320	mg/L	IML	S1510253-010	10/26/15 10:44	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	107	mg/L	IML	S1510253-010	10/15/15 22:13	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-010	10/20/15 10:02	EPA 350.1	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	129	mg/L	IML	S1510253-010	10/15/15 22:13	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-010	10/15/15 22:13	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Chloride	4	mg/L	IML	S1510253-010	10/16/15 11:13	EPA 300.0	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-010	10/15/15 22:13	SM 4500FC	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-010	10/23/15 11:40	EPA 353.2	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Sulfate	135	mg/L	IML	S1510253-010	10/16/15 11:13	EPA 300.0	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Calcium	62	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Potassium	3	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Sodium	34	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.91	meq/L	IML	S1510253-010	10/26/15 10:44	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Anion Sum	5.07	meq/L	IML	S1510253-010	10/26/15 10:44	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	1.56	%	IML	S1510253-010	10/26/15 10:44	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.12	dec. %	IML	S1510253-010	11/12/15 10:17	Calculation	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	288 ± 7.9	pCi/L	IML	S1510253-010	10/27/15 16:02	SM 7110B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	116 ± 3.9	pCi/L	IML	S1510253-010	10/27/15 16:02	SM 7110B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	188 ± 1.6	pCi/L	IML	S1510253-010	11/3/15 13:25	SM 7500 Ra-B	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	3.4 ± 1.7	pCi/L	IML	S1510253-010	11/15/15 10:14	Ga-Tech	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-010	10/20/15 10:28	EPA 245.1	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	

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M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.0444	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-010	10/16/15 20:31	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-010	10/16/15 16:06	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-010	10/16/15 17:31	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-010	10/16/15 17:31	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	pH	8.2	s.u.	IML	S1510467-007	11/2/15 19:00	SM 4500 H B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Electrical Conductivity	529	µmhos/cm	IML	S1510467-007	11/2/15 19:00	SM 2510B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510467-007	10/30/15 14:33	SM 2540	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1510467-007	11/6/15 10:24	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Total Alkalinity (as CaCO3)	109	mg/L	IML	S1510467-007	11/2/15 19:00	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510467-007	11/5/15 10:12	EPA 350.1	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Silica as SiO2	14	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Bicarbonate as HCO3	133	mg/L	IML	S1510467-007	11/2/15 19:00	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Carbonate as CO3	ND	mg/L	IML	S1510467-007	11/2/15 19:00	SM 2320B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Chloride	5	mg/L	IML	S1510467-007	11/3/15 16:04	EPA 300.0	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Fluoride	0.1	mg/L	IML	S1510467-007	11/2/15 19:00	SM 4500FC	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510467-007	11/3/15 16:15	EPA 353.2	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Sulfate	127	mg/L	IML	S1510467-007	11/3/15 16:04	EPA 300.0	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Calcium	61	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Magnesium	3	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Potassium	3	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Sodium	33	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Cation Sum	4.75	meq/L	IML	S1510467-007	11/6/15 10:24	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Anion Sum	4.97	meq/L	IML	S1510467-007	11/6/15 10:24	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Cation-Anion Balance	2.29	%	IML	S1510467-007	11/6/15 10:24	SM 1030E	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Calculated TDS/TDS Ratio	1.13	dec. %	IML	S1510467-007	11/12/15 10:23	Calculation	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Gross Alpha (Dissolved)	272 ± 7.6	pCi/L	IML	S1510467-007	11/10/15 17:35	SM 7110B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Gross Beta (Dissolved)	123 ± 4.0	pCi/L	IML	S1510467-007	11/10/15 17:35	SM 7110B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Radium 226 (Dissolved)	205 ± 1.8	pCi/L	IML	S1510467-007	11/10/15 17:35	SM 7500 Ra-B	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Radium 228 (Dissolved)	3.3 ± 1.6	pCi/L	IML	S1510467-007	11/27/15 8:05	Ga-Tech	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Arsenic	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Barium	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Boron	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Chromium	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Copper	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Iron	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Lead	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Manganese	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Mercury	ND	mg/L	IML	S1510467-007	11/4/15 12:01	EPA 245.1	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Nickel	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Selenium	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Uranium	0.0355	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1510467-007	10/31/15 5:50	EPA 200.8	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Dissolved Zinc	ND	mg/L	IML	S1510467-007	11/2/15 15:50	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Total Iron	ND	mg/L	IML	S1510467-007	11/2/15 17:22	EPA 200.7	
M-HJ231B	MU2 Baseline	N/A	10/29/2015	Total Manganese	ND	mg/L	IML	S1510467-007	11/2/15 17:22	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	pH	5.9	s.u.	IML	S1510253-011	10/15/15 22:38	SM 4500 H B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	ND	µmhos/cm	IML	S1510253-011	10/15/15 22:38	SM 2510B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	ND	mg/L	IML	S1510253-011	10/16/15 10:15	SM 2540	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	ND	mg/L	IML	S1510253-011	10/26/15 10:44	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	ND	mg/L	IML	S1510253-011	10/15/15 22:38	SM 2320B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-011	10/20/15 10:04	EPA 350.1	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	ND	mg/L	IML	S1510253-011	10/15/15 22:38	SM 2320B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-011	10/15/15 22:38	SM 2320B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Chloride	ND	mg/L	IML	S1510253-011	10/16/15 11:27	EPA 300.0	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Fluoride	ND	mg/L	IML	S1510253-011	10/15/15 22:38	SM 4500FC	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-011	10/23/15 11:42	EPA 353.2	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Sulfate	ND	mg/L	IML	S1510253-011	10/16/15 11:27	EPA 300.0	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Calcium	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Magnesium	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Potassium	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Sodium	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Cation Sum	ND	meq/L	IML	S1510253-011	10/26/15 10:44	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Anion Sum	ND	meq/L	IML	S1510253-011	10/26/15 10:44	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	ND	%	IML	S1510253-011	10/26/15 10:44	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	ND	dec. %	IML	S1510253-011	11/12/15 10:17	Calculation	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	3.4 ± 0.9	pCi/L	IML	S1510253-011	10/27/15 16:02	SM 7110B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	4.3 ± 1.5	pCi/L	IML	S1510253-011	10/27/15 16:02	SM 7110B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	0.2 ± 0.1	pCi/L	IML	S1510253-011	11/25/15 8:08	SM 7500 Ra-B	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510253-011	11/15/15 13:14	Ga-Tech	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-011	10/20/15 10:38	EPA 245.1	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-011	10/16/15 20:37	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-011	10/16/15 16:09	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-011	10/16/15 17:34	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-011	10/16/15 17:34	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	pH	6	s.u.	IML	S1510443-005	10/30/15 21:21	SM 4500 H B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	ND	µmhos/cm	IML	S1510443-005	10/30/15 21:21	SM 2510B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	ND	mg/L	IML	S1510443-005	10/29/15 12:30	SM 2540	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	ND	mg/L	IML	S1510443-005	11/5/15 16:25	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	ND	mg/L	IML	S1510443-005	10/30/15 21:21	SM 2320B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-005	11/4/15 11:10	EPA 350.1	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	ND	mg/L	IML	S1510443-005	10/30/15 21:21	SM 2320B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-005	10/30/15 21:21	SM 2320B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Chloride	ND	mg/L	IML	S1510443-005	11/3/15 16:59	EPA 300.0	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Fluoride	ND	mg/L	IML	S1510443-005	10/30/15 21:21	SM 4500FC	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-005	11/3/15 15:21	EPA 353.2	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Sulfate	ND	mg/L	IML	S1510443-005	11/3/15 16:59	EPA 300.0	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Calcium	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Magnesium	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Potassium	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Sodium	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Cation Sum	ND	meq/L	IML	S1510443-005	11/5/15 16:25	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Anion Sum	ND	meq/L	IML	S1510443-005	11/5/15 16:25	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	ND	%	IML	S1510443-005	11/5/15 16:25	SM 1030E	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	ND	dec. %	IML	S1510443-005	11/12/15 10:20	Calculation	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	ND	pCi/L	IML	S1510443-005	11/10/15 8:46	SM 7110B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	ND	pCi/L	IML	S1510443-005	11/10/15 8:46	SM 7110B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	0.2 ± 0.1	pCi/L	IML	S1510443-005	11/9/15 13:55	SM 7500 Ra-B	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1510443-005	11/22/15 15:52	Ga-Tech	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-005	11/4/15 10:02	EPA 245.1	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-005	10/29/15 20:11	EPA 200.8	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-005	10/30/15 16:57	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-005	10/30/15 22:00	EPA 200.7	
M-HJ250	MU2 Baseline	N/A	10/28/2015	Total Manganese	ND	mg/L	IML	S1510443-005	10/30/15 22:00	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	pH	6	s.u.	IML	S1509527-002	10/2/15 19:52	SM 4500 H B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Electrical Conductivity	ND	µmhos/cm	IML	S1509527-002	10/2/15 19:52	SM 2510B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (180)	ND	mg/L	IML	S1509527-002	10/1/15 9:45	SM 2540	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (Calc)	ND	mg/L	IML	S1509527-002	10/8/15 8:16	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Alkalinity (as CaCO3)	ND	mg/L	IML	S1509527-002	10/2/15 19:52	SM 2320B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509527-002	10/2/15 13:30	EPA 350.1	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Silica as SiO2	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Bicarbonate as HCO3	ND	mg/L	IML	S1509527-002	10/2/15 19:52	SM 2320B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Carbonate as CO3	ND	mg/L	IML	S1509527-002	10/2/15 19:52	SM 2320B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Chloride	ND	mg/L	IML	S1509527-002	10/1/15 11:03	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Fluoride	ND	mg/L	IML	S1509527-002	10/2/15 19:52	SM 4500FC	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509527-002	10/1/15 13:24	EPA 353.2	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Sulfate	ND	mg/L	IML	S1509527-002	10/1/15 11:03	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Calcium	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Magnesium	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Potassium	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Sodium	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Cation Sum	ND	meq/L	IML	S1509527-002	10/8/15 8:16	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Anion Sum	ND	meq/L	IML	S1509527-002	10/8/15 8:16	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Cation-Anion Balance	ND	%	IML	S1509527-002	10/8/15 8:16	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Calculated TDS/TDS Ratio	ND	dec. %	IML	S1509527-002	11/12/15 10:03	Calculation	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Gross Alpha (Dissolved)	ND	pCi/L	IML	S1509527-002	11/23/15 16:41	SM 7110B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Gross Beta (Dissolved)	ND	pCi/L	IML	S1509527-002	11/23/15 16:41	SM 7110B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Radium 226 (Dissolved)	ND	pCi/L	IML	S1509527-002	10/27/15 16:07	SM 7500 Ra-B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Radium 228 (Dissolved)	ND	pCi/L	IML	S1509527-002	11/7/15 23:16	Ga-Tech	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Arsenic	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Barium	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Boron	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Chromium	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Copper	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Iron	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Lead	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Manganese	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Mercury	ND	mg/L	IML	S1509527-002	10/6/15 9:54	EPA 245.1	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Nickel	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Selenium	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Uranium	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1509527-002	10/1/15 15:40	EPA 200.8	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Zinc	ND	mg/L	IML	S1509527-002	10/2/15 20:02	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Iron	ND	mg/L	IML	S1509527-002	10/3/15 2:01	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Manganese	ND	mg/L	IML	S1509527-002	10/3/15 2:01	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	pH	8.3	s.u.	IML	S1509527-006	11/17/15 17:43	SM 4500 H B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Electrical Conductivity	503	µmhos/cm	IML	S1509527-006	11/17/15 17:43	SM 2510B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Dissolved Solids (Calc)	310	mg/L	IML	S1509527-006	12/1/15 10:29	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Alkalinity (as CaCO3)	86	mg/L	IML	S1509527-006	11/17/15 17:43	SM 2320B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1509527-006	11/18/15 13:10	EPA 350.1	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Silica as SiO2	12	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Bicarbonate as HCO3	104	mg/L	IML	S1509527-006	11/17/15 17:43	SM 2320B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Carbonate as CO3	ND	mg/L	IML	S1509527-006	11/17/15 17:43	SM 2320B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Chloride	5	mg/L	IML	S1509527-006	11/16/15 23:55	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Fluoride	0.2	mg/L	IML	S1509527-006	11/17/15 17:43	SM 4500FC	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1509527-006	11/19/15 10:52	EPA 353.2	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Sulfate	153	mg/L	IML	S1509527-006	11/16/15 23:55	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Calcium	55	mg/L	IML	S1509527-006	11/23/15 14:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Magnesium	3	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Potassium	7	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Sodium	36	mg/L	IML	S1509527-006	11/23/15 14:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Cation Sum	4.7	meq/L	IML	S1509527-006	12/1/15 10:29	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Anion Sum	5.04	meq/L	IML	S1509527-006	12/1/15 10:29	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Cation-Anion Balance	3.4	%	IML	S1509527-006	12/1/15 10:29	SM 1030E	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Gross Alpha (Dissolved)	352 ± 8.3	pCi/L	IML	S1509527-006	10/17/15 20:37	SM 7110B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Gross Beta (Dissolved)	173 ± 4.6	pCi/L	IML	S1509527-006	10/17/15 20:37	SM 7110B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Radium 226 (Dissolved)	175 ± 1.6	pCi/L	IML	S1509527-006	10/28/15 13:56	SM 7500 Ra-B	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Radium 228 (Dissolved)	2.9 ± 1.7	pCi/L	IML	S1509527-006	11/8/15 11:19	Ga-Tech	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Aluminum	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Arsenic	0.002	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Barium	ND	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Beryllium	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Boron	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Cadmium	ND	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Chromium	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Copper	ND	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Iron	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Lead	ND	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Manganese	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Mercury	ND	mg/L	IML	S1509527-006	11/18/15 10:15	EPA 245.1	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Molybdenum	ND	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Nickel	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Selenium	ND	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Uranium	0.15	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Vanadium	ND	mg/L	IML	S1509527-006	11/17/15 17:23	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Dissolved Zinc	ND	mg/L	IML	S1509527-006	11/17/15 14:39	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Iron	ND	mg/L	IML	S1509527-006	11/18/15 14:09	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	9/29/2015	Total Manganese	ND	mg/L	IML	S1509527-006	11/18/15 14:09	EPA 200.7	

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WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ251	MU2 Baseline	N/A	10/14/2015	pH	8.3	s.u.	IML	S1510253-004	10/15/15 21:13	SM 4500 H B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Electrical Conductivity	533	µmhos/cm	IML	S1510253-004	10/15/15 21:13	SM 2510B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (180)	350	mg/L	IML	S1510253-004	10/16/15 10:07	SM 2540	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Total Dissolved Solids (Calc)	330	mg/L	IML	S1510253-004	10/26/15 10:44	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Total Alkalinity (as CaCO3)	106	mg/L	IML	S1510253-004	10/15/15 21:13	SM 2320B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510253-004	10/19/15 17:07	EPA 350.1	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Silica as SiO2	14	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Bicarbonate as HCO3	127	mg/L	IML	S1510253-004	10/15/15 21:13	SM 2320B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Carbonate as CO3	ND	mg/L	IML	S1510253-004	10/15/15 21:13	SM 2320B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Chloride	5	mg/L	IML	S1510253-004	10/15/15 23:58	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Fluoride	0.2	mg/L	IML	S1510253-004	10/15/15 21:13	SM 4500FC	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510253-004	10/19/15 18:11	EPA 353.2	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Sulfate	148	mg/L	IML	S1510253-004	10/15/15 23:58	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Calcium	61	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Magnesium	3	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Potassium	3	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Sodium	36	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Cation Sum	4.91	meq/L	IML	S1510253-004	10/26/15 10:44	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Anion Sum	5.33	meq/L	IML	S1510253-004	10/26/15 10:44	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Cation-Anion Balance	4.16	%	IML	S1510253-004	10/26/15 10:44	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Calculated TDS/TDS Ratio	1.06	dec. %	IML	S1510253-004	11/12/15 10:17	Calculation	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Gross Alpha (Dissolved)	446 ± 9.3	pCi/L	IML	S1510253-004	10/27/15 16:02	SM 7110B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Gross Beta (Dissolved)	228 ± 5.0	pCi/L	IML	S1510253-004	10/27/15 16:02	SM 7110B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Radium 226 (Dissolved)	316 ± 2.1	pCi/L	IML	S1510253-004	11/3/15 13:25	SM 7500 Ra-B	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Radium 228 (Dissolved)	1.1 ± 1.9	pCi/L	IML	S1510253-004	11/14/15 16:08	Ga-Tech	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Aluminum	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Arsenic	0.002	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Barium	ND	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Beryllium	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Boron	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Cadmium	ND	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Chromium	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Copper	ND	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Iron	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Lead	ND	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Manganese	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Mercury	ND	mg/L	IML	S1510253-004	10/20/15 10:17	EPA 245.1	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Nickel	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Selenium	0.013	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Uranium	0.105	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Vanadium	ND	mg/L	IML	S1510253-004	10/16/15 19:47	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Dissolved Zinc	ND	mg/L	IML	S1510253-004	10/16/15 15:40	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Total Iron	ND	mg/L	IML	S1510253-004	10/16/15 17:04	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/14/2015	Total Manganese	ND	mg/L	IML	S1510253-004	10/16/15 17:04	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	pH	8.4	s.u.	IML	S1510443-002	10/30/15 20:41	SM 4500 H B	

APPENDIX A: Water Quality Data
2016 Annual Report
Lost Creek ISR Project PT788

WELL NAME	WELL TYPE	SAMP FREQ	SAMPLE DATE	PARAMETER NAME	PARAMETER VALUE	UNITS	LAB NAME	LAB ID	ANALYSIS DATE	ANALYTICAL METHOD	COMMENT
M-HJ251	MU2 Baseline	N/A	10/28/2015	Electrical Conductivity	486	µmhos/cm	IML	S1510443-002	10/30/15 20:41	SM 2510B	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (180)	320	mg/L	IML	S1510443-002	10/29/15 12:26	SM 2540	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Total Dissolved Solids (Calc)	290	mg/L	IML	S1510443-002	11/5/15 16:25	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Total Alkalinity (as CaCO3)	101	mg/L	IML	S1510443-002	10/30/15 20:41	SM 2320B	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Ammonia Nitrogen (As N)	ND	mg/L	IML	S1510443-002	11/4/15 11:06	EPA 350.1	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Silica as SiO2	13	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Bicarbonate as HCO3	120	mg/L	IML	S1510443-002	10/30/15 20:41	SM 2320B	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Carbonate as CO3	ND	mg/L	IML	S1510443-002	10/30/15 20:41	SM 2320B	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Chloride	5	mg/L	IML	S1510443-002	11/3/15 16:21	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Fluoride	0.2	mg/L	IML	S1510443-002	10/30/15 20:41	SM 4500FC	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Nitrate-Nitrite Nitrogen (as N)	ND	mg/L	IML	S1510443-002	11/3/15 15:16	EPA 353.2	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Sulfate	119	mg/L	IML	S1510443-002	11/3/15 16:21	EPA 300.0	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Calcium	51	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Magnesium	2	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Potassium	7	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Sodium	31	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Cation Sum	4.28	meq/L	IML	S1510443-002	11/5/15 16:25	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Anion Sum	4.64	meq/L	IML	S1510443-002	11/5/15 16:25	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Cation-Anion Balance	4.05	%	IML	S1510443-002	11/5/15 16:25	SM 1030E	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Calculated TDS/TDS Ratio	1.1	dec. %	IML	S1510443-002	11/12/15 10:20	Calculation	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Gross Alpha (Dissolved)	983 ± 13.6	pCi/L	IML	S1510443-002	11/10/15 8:46	SM 7110B	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Gross Beta (Dissolved)	400 ± 6.7	pCi/L	IML	S1510443-002	11/10/15 8:46	SM 7110B	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Radium 226 (Dissolved)	32.7 ± 0.7	pCi/L	IML	S1510443-002	11/9/15 13:55	SM 7500 Ra-B	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Radium 228 (Dissolved)	1.1 ± 1.2	pCi/L	IML	S1510443-002	11/22/15 6:49	Ga-Tech	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Aluminum	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Arsenic	0.004	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Barium	ND	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Beryllium	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Boron	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Cadmium	ND	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Chromium	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Copper	ND	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Iron	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Lead	ND	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Manganese	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Mercury	ND	mg/L	IML	S1510443-002	11/4/15 9:56	EPA 245.1	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Molybdenum	ND	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Nickel	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Selenium	0.008	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Uranium	1.74	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Vanadium	ND	mg/L	IML	S1510443-002	10/29/15 19:55	EPA 200.8	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Dissolved Zinc	ND	mg/L	IML	S1510443-002	10/30/15 16:51	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Total Iron	ND	mg/L	IML	S1510443-002	10/30/15 21:53	EPA 200.7	
M-HJ251	MU2 Baseline	N/A	10/28/2015	Total Manganese	ND	mg/L	IML	S1510443-002	10/30/15 21:53	EPA 200.7	

Abbreviations/Acronyms		
$	Dollars	
$/Kgal	Dollars per 1000 gallons	
avg	average	
ft	feet	
ft2	square feet	
ft3	cubic feet	
gal	gallon	
gpm	gallons per minute	
H&S	Health and Safety	
H2S	Hydrogen Sulfide	
H2SO4	Sulfuric Acid	
HCl	Hydrochloric Acid	
Hp	Horsepower	
Kgal	1000 gallons	
Kwh	Kilowatt-hours	
NaOH	Caustic Soda	
OD	Outside Diameter	
PPE	personal protective equipment	
PV	Pore Volume Estimate	
reqm't	requirement	
RO	Reverse Osmosis	
WDW	Waste Disposal Well	
yd3	cubic yards	
yr	year	

TABLE 1: SUMMARY

Total Restoration and Reclamation Cost Estimate		
I.	GROUNDWATER RESTORATION COST	$8,196,299
II.	EQUIPMENT REMOVAL & DISPOSAL COST	$103,756
III.	BUILDING DEMOLITION AND DISPOSAL COST	$1,077,492
IV.	WELLFIELD BUILDINGS & EQUIPMENT REMOVAL & DISPOSAL COST	$663,593
V.	WELL ABANDONMENT COST	$1,210,149
VI.	WELLFIELD AND SATELLITE SURFACE RECLAMATION COST	$44,491
VII.	TOTAL MISCELLANEOUS RECLAMATION COST	$785,864
	SUBTOTAL RECLAMATION AND RESTORATION COST ESTIMATE	$12,081,644
	CPI ESCALATOR- ___0_____ to ____0____ (__%)	$0
	SUBTOTAL	$12,081,644
	ADMINISTRATIVE, OVERHEAD, AND CONTINGENCY ITEMS (29%)	$3,503,677
	TOTAL	$15,585,321
	TOTAL CALCULATED SURETY (IN 2015 DOLLARS)	**$15,585,300**

All dollars in the supporting spreadsheets were escalated to 2015 dollars using the on-line inflation calculator provided by the Bureau of Labor Satistics. Therefore, the inflation, at least for this year's calculation, is set at "0" on this page. See link below to source of inflation rates

http://data.bls.gov/cgi-bin/cpicalc.pl

TABLE 2: GROUNDWATER RESTORATION

Ground Water Restoration				Wellfield 1	Wellfield 2
PV Assumptions					
	Wellfield Area (ft2)			3,069,319	1,320,840
	Wellfield Area (acres)			70.46	30.32
	Affected Ore Zone Area (ft2)			3,069,319	1,320,840
	Avg. Completed Thickness			18.2	18.0
	Porosity			0.26	0.26
	Flare Factor (line drive flare applied seperately)			1.44	1.44
	Affected Volume (ft3)			80,440,712	8,901,405
	Kgallons per Pore Volume (including line drives)			156,488	66,583
Number of Patterns in Unit(s)					
	Current			261	0
	Estimated next report period			56	108
	Total Estimated			317	108
Number of Wells in Unit(s)					
	Production Wells				
		Current		317	0
		Estimated next report period		0	108
		Total Estimated		317	108
	Injection Wells				
		Current		597	0
		Estimated next report period		0	245
		Total Estimated		597	245
	Monitor Wells				
		Current		57	99
		Estimated next report period		0	0
		Total Estimated		57	99
	Restoration Wells				
		Current		0	0
		Estimated next report period		0	0
		Total Estimated		0	0
	Number of Wells per Wellfield			971	452
	Total Number of Wells			1423	
	Average Well Depth (ft)			454	450
I.	**Restoration Well Installation Costs**				
		Number of Restoration Wells		0	0
		Well Installation Unit Cost ($/Well)		$9,613	$10,341
	Subtotal Restoration Well Installation Costs per Wellfield			$0	$0
	Total Restoration Well Installation Costs			**$0**	
II.	**Ground Water Sweep Costs**				
		PV's Required		0.3	0.3
		Total Kgals for Treatment		46,946	19,975
		Ground Water Sweep Unit Cost ($/Kgal)		$2.19	$2.19

TABLE 2: GROUNDWATER RESTORATION

Ground Water Restoration							Wellfield 1	Wellfield 2
	Subtotal Ground Water Sweep Costs per Wellfield						$103,002	$43,825
	Total Ground Water Sweep Costs						**$146,827**	
III.	**Reverse Osmosis Costs**							
	PV's Required						6	6
	Total Kgals for Treatment						938,928	399,495
	Reverse Osmosis Unit Cost ($/Kgal)						$0.79	$0.79
	Subtotal Reverse Osmosis Costs per Wellfield						$741,096	$315,321
	Total Reverse Osmosis Costs						**$1,056,417**	
IV.	**Chemical Reductant Costs**							
	Number of Patterns						0	0
	Chemical Reductant Unit Cost ($/pattern)						$0	$0
	Subtotal Chemical Reductant Costs per Wellfield						$0	$0
	Total Chemical Reductant Costs						**$0**	
V.	**Elution Costs**							
	A.	Elution Processing Costs						
		Kgals/Elution Required					13.5	13.5
		Number of Elutions					21	9
		Processing Unit Cost ($/Elution)					$538	$538
		Subtotal Processing Costs					$11,044	$4,699
	B.	Deep Well Injection Costs						
		Deep Well Injection Volume (Kgals/Elution)					98,865	63,038
		Total Kgals for Injection					98,865	63,038
		Deep Well Injection Unit Cost ($/Kgals)					$2.48	$2.48
		Subtotal Deep Well Injection Costs					$245,169	$156,326
	Subtotal Elution Costs per Wellfield						$256,213	$161,025
	Total Elution Costs						**$417,238**	
VI.	**Monitoring and Sampling Costs**							
	A.	Restoration Well Sampling						
		Estimated Restoration Period (Years)					3.25	3.25
		1.	Well Sampling prior to restoration start					
			# of Wells				14	13
			$/sample				$379	$379
		2.	Restoration Progress Sampling					
			# of Prod Wells				317	108
			$/sample				$31	$31
			Samples/Year				3	3
			# of MP Wells				18	31
			$/Sample				$ 379	$ 379
			Samples/Year				2	2
		3.	UCL Sampling					
			# of Wells				63	72
			$/sample				$21	$21
			Samples/Year				24	24

TABLE 2: GROUNDWATER RESTORATION

				Wellfield 1	Wellfield 2
Ground Water Restoration				**Wellfield 1**	**Wellfield 2**
		Sub-total Restoration Analyses		$260,595	$155,506
	B.	Short-term Stability			
			Estimated Stabilization Period (Months)	12	12
			# of MP Wells	18	31
			Samples/Year	6	6
			$/sample	$379	$379
			# of UCL Wells	57	65
			Samples/Year	6	6
			$/sample	$21	$21
		Sub-total Short-term Stability Analyses		$48,114	$78,684
	Subtotal Monitoring and Sampling Costs per Wellfield			$308,709	$234,190
	Total Monitoring and Sampling Costs			**$542,899**	
VII.	**Mechanical Integrity Test (MIT) Costs**				
		Five Year MIT Unit Cost ($/well)		$144	$144
		Number of Wells (0% since rest complete before 5-year)		914	231
	Subtotal Mechanical Integrity Testing Costs per Wellfield			$131,616	$33,264
	Total Mechanical Integrity Testing Cost			**$164,880**	
TOTAL RESTORATION COSTS PER WELLFIELD				$1,540,636	$787,625
TOTAL WELLFIELD RESTORATION COST				**$2,328,261**	
VIII.	**Building Utility Costs**			**Central Plant**	**Shop**
		Electricity ($/Month)		$3,812	$500
		Propane ($/Month)		$2,525	$404
		Natural Gas ($/Month)		$0	$0
		Number of Months		61	61
	Subtotal Utility Costs per Building			$386,561	$55,144
	Total Building Utility Costs			**$535,035**	
Ground Water Restoration					
IX.	**Irrigation Maintenance and Monitoring Costs**			**Irrigator 1**	**Irrigator 2**
	A.	Irrigation Maintenance and Repair			
			Irrigation Operation Months/Year	0	0
			Cost per Month	$0	$0
			Total Number of Years	0	0
		Subtotal Maintenance and Repair Costs		$0	$0
	B.	Irrigation Monitoring and Sampling			
			# of Irrigation Fluid Samples/Year	0	0
			Cost/sample	$0	$0
			# of Vegetation Samples/Year	0	0
			Cost/sample	$0	$0
			# of Soil Samples/Year	0	0
			Cost/sample	$0	$0
			# of Soil Water Samples/Year	0	0
			Cost/sample	$0	$0
			Total Number of Years	0	0

TABLE 2: GROUNDWATER RESTORATION

Ground Water Restoration		Wellfield 1	Wellfield 2
	Subtotal Sampling Costs	$0	$0
	Subtotal Maintenance and Monitoring Costs per Irrigator	$0	$0
	Total Irrigation Maintenance and Monitoring Costs	**$0**	
X.	**Capital Costs (Brine RO Purchase)**		
	Purchase/Installation Costs for 100 GPM RO	$200,000	
	Total Capital Costs	**$200,000**	
XI.	**Vehicle Operation Costs**		
	Number of Pickup Trucks/Pulling Units (Gas)	10	
	Annual Cost based on actual lease+assoc cost	$12.49	
	Average Operating Time (Hrs/Year)	281.5	
	Total Number of Years (Average)	6.08	
	Total Vehicle Operation Costs	**$213,769**	
XII.	**Labor Costs**		Avg. Years
	Number of Mine Managers	1	6.08
	$/Year	169,472	
	subtotal	1,030,390	
	Number of Environmental Managers/RSOs	1	6.08
	$/Year	$124,085	
	subtotal	$754,437	
	Number of Restoration Managers	1	6.08
	$/Year	$96,395	
	subtotal	$586,082	
	Number of Environmental Technicians	1	6.08
	$/Year	$52,624	
	subtotal	$319,954	
	Number of Operators/Laborers/Secretary	9	3.23
	$/Year	$57,000	
	subtotal	$1,656,990	
	Number of Maintenance Technicians	2	3.58
	$/Year	$79,802	
	subtotal	$571,382	
	Total Labor Costs	**$4,919,234**	
TOTAL GROUND WATER RESTORATION COSTS		**$8,196,299**	

TABLE 3: EQUIPMENT

Equipment Removal and Loading													Central Plant
I.	**Removal and Loading Costs**												
	A.	Tankage and Vessels											
			Number of Tanks										149
			Volume of Tank Construction Material (ft^3)										2,105
			1.	Labor									
					Number of Persons								3
					Ft^3/Day								100
					Number of Days								21
					$/Day/Person								$219
			Subtotal Labor Costs										$13,797
			2.	Equipment									
					Number of Days								21
					$/Day								$448
			Subtotal Equipment Costs										$9,408
		Subtotal Tankage Removal and Loading Costs											$23,205
	B.	PVC/HDPE Pipe											
			PVC/HDPE Pipe Footage										4,526
			Average PVC Pipe Diameter (inches)										3.4
			Shredded PVC Pipe Volume Reduction (ft^3/ft)										0.02
			Volume of Shredded PVC Pipe (ft^3)										90.52
			1.	Labor									
					Number of Persons								2
					Ft^3/Day								
					Ft/Day								1,000
					Number of Days								5
					$/Day/Person								$219
			Subtotal Labor Costs										$2,190
			2	Equipment									
					Rental Rate for shredder (hourly)								18.03
			Subtotal Equipment Costs										$721
		Subtotal PVC Pipe Removal and Loading Costs											$2,911
	C.	Pumps											
			Number of Pumps										44
			Average Volume (ft^3/pump)										4.8

TABLE 3: EQUIPMENT

									Central Plant
Equipment Removal and Loading									
			Volume of Pumps (ft^3)						211.2
		1.	Labor						
				Number of Persons					3
				Pumps/Day					12
				Number of Days					4
				$/Day/Person					$219
			Subtotal Labor Costs						$2,628
		Subtotal Pump Removal and Loading Costs							$2,628
	D.	Dryer							
		Dryer Volume (ft^3)							2,066
		1.	Labor						
				Number of Persons					3
				Ft^3/Day					340
				Number of Days					6
				$/Day/Person					$219
			Total Labor Cost						$3,942
		Total Dryer Dismantling and Loading Cost							$3,942
	E.	RO Units							
			Number of RO Units						
				Current					34
				Planned					2
			Average Volume (ft^3/RO Unit)						16.2
		1.	Labor						
				Number of Persons					3
				Number of Days					2
				$/Day/Person					$219
			Subtotal Labor Costs						$1,314
		Subtotal RO Unit Removal and Loading Costs							$1,314
	Subtotal Equipment Removal and Loading Costs per Facility								$34,000
	Total Equipment Removal and Loading Costs								**$34,000**
II.	**Transportation and Disposal Costs (NRC-Licensed Facility)**								
	A.	Tankage							
			Volume of Tank Construction Material (ft^3)						2,105
			Volume for Disposal Assuming 10% Void Space (ft^3)						2,316

TABLE 3: EQUIPMENT

				Central Plant
Equipment Removal and Loading				
		Transportation and Disposal Unit Cost ($/ft^3)		$9.26
		Subtotal Tankage Transportation and Disposal Costs		$21,446
	B.	PVC Pipe		
		Volume of Shredded PVC Pipe (ft^3)		90.52
		Volume for Disposal Assuming 10% Void Space (ft^3)		100
		Transportation and Disposal Unit Cost ($/ft^3)		$9.26
		Subtotal PVC Pipe Transportation and Disposal Costs		$926
	C.	Pumps		
		Volume of Pumps (ft^3)		211.2
		Volume for Disposal Assuming 10% Void Space (ft^3)		232
		Transportation and Disposal Unit Cost ($/ft^3)		$9.26
		Subtotal Pump Transportation and Disposal Costs		$2,148
	D.	Dryer		
		Dryer Volume (ft^3)		2,066
		Volume for Disposal Assuming Dryer Remains Intact (ft^3)		2,066
		Transportation and Disposal Unit Cost ($/ft^3)		$9.26
		Total Dryer Transportation and Disposal Costs		$19,131
	E.	RO Units		
		Volume of RO Units (ft^3)		583.2
		Volume for Disposal Assuming 50% Volume Reduction (ft^3)		291.6
		Transportation and Disposal Unit Cost ($/ft^3)		$9.26
		Subtotal RO Unit Transportation and Disposal Costs		$2,700
	Subtotal Equipment Transportation and Disposal Costs per Facility			$46,351
	Total Equipment Transportation and Disposal Costs			**$46,351**
III.	**Health and Safety Costs**			
		Radiation Safety Equipment		$23,405
	Total Health and Safety Costs			**$23,405**
SUBTOTAL EQUIPMENT REMOVAL AND DISPOSAL COSTS PER FACILITY				$103,756
TOTAL EQUIPMENT REMOVAL AND DISPOSAL COSTS				**$103,756**

TABLE 4: BUILDINGS

Building Demolition and Disposal	Plant/Office	Shop	Pole Barn	Varous Concrete Pads
	1	2	3	
I. Decontamination Costs				
A. Wall Decontamination				
Area to be Decontaminated (ft^2)	12,449	0	0	0
Wash rate (ft2/hr)	480	480	480	480
Hours of work	26	0	0	0
Labor rate ($/hr)	$27.40	$27.40	$27.40	$27.40
Manlift rental rate ($/hr)	20.60	20.60	20.60	20.60
Cost of labor and equipment	1,244.90	0.00	0.00	0.00
Application Rate of Acid (Gallons/ft2 of wall)	0.003	0.003	0.003	0.003
Total quantity of acid	37.3	0.0	0.0	0.0
Cost of acid ($/gal)	$1.13	$1.13	$1.13	$1.13
Subtotal cost of acid	$42.20	$0.00	$0.00	$0.00
Subtotal Wall Decontamination Costs	$1,287	$0	$0	$0
B. Concrete Floor Decontamination				
Area to be Decontaminated (ft^2)	32,322	-	-	-
Application Rate (Gallons/ft^2)	0.003	0.003	0.003	0.003
HCl Acid Wash, including labor ($/Gallon)	$29.03	$29.03	$29.03	$29.03
Subtotal Concrete Floor Decontamination Costs	$2,815	$0	$0	$0
C. Deep Well Injection Costs				
Total Kgals for Injection	44.9	0	0	0
Deep Well Injection Unit Cost ($/Kgals)	$2.48	$2.48	$2.48	$2.48
Subtotal Deep Well Injection Costs	$111	$0	$0	$0
Subtotal Decontamination Costs per Building	$4,213	$0	$0	$0
Total Decontamination Costs	**$4,213**			
II. Demolition Costs				
A. Building				
Assumptions:				
Volume of Building (ft^3)	1,248,000	111,375	22,400	0
Demolition Unit Cost per WDEQ Guideline No.12,App.K ($/$ft^3$)	$0.266	$0.266	$0.266	$0.266
Subtotal Building Demolition Costs	$331,968	$29,626	$5,958	$0
B. Concrete Floor				
Area of Concrete Floor (ft^2)	41,600	4,725	1,600	12,373
Demolition Unit Cost per WDEQ Guideline No.12,App.K ($/$ft^2$), adjusted for thickness	$1.52	$0.76	$0.76	$1.17
Subtotal Concrete Floor Demolition Costs	$63,232	$3,591	$1,216	$14,482
C. Concrete Footing				
Length of Concrete Footing (ft)	1,870	380	-	371
Demolition Unit Cost per WDEQ Guide. No.12,App.K ($/lin. ft), adjusted for increased volume	$15.67	$15.67	$15.67	68.2
Subtotal Concrete Footing Demolition Costs	$29,303	$5,955	$0	$25,268
Subtotal Demolition Costs per Building	$424,503	$39,172	$7,174	$39,750
Total Demolition Costs	**$510,599**			
III. Disposal Costs				
A. Building				
Volume of Demolished Building (cy) Based on FEMA Estimates	15,253	1,361	274	-
1. Off-Site				
Assumptions:				
Off-site disposal cost of $13.80/cy				
Percentage (%)	100	100	100	100
Volume for Disposal (cubic yards)	15,253	1,361	274	-
Transport and Disposal Unit Cost ($/cy)	$14.40	$14.40	$14.40	$14.40
Subtotal Off-Site Disposal Costs	$219,648	$19,602	$3,942	$0
2. NRC-Licensed Facility				
Percentage (%)	0	0	0	0
Volume for Disposal (ft^3)	0	0	0	0
Volume for Disposal Assuming 10% Void Space (ft^3)	0	0	0	0

TABLE 4: BUILDINGS

	Plant/Office	Shop	Pole Barn	Varous Concrete Pads
Building Demolition and Disposal	1	2	3	
Transportation and Disposal Unit Cost ($/ft^3)	$9.26	$9.26	$9.26	$9.26
Subtotal NRC-Licensed Facility Disposal Costs	$0	$0	$0	$0
Subtotal Building Disposal Costs	$219,648	$19,602	$3,942	$0
B. Concrete Floor				
Area of Concrete Floor (ft^2)	41,600	4,725	1,600	12,373
Average Thickness of Concrete Floor (ft)	1	0.375	0.5	0.77
Volume of Concrete Floor (ft^3)	41,600.0	1,771.9	800.0	9,575.9
Volume of Concrete Floor (cy)	1,541	66	30	355
1. Off-Site				
Percentage (%)	64	100	100	100
Volume for Disposal (cy)	986	66	30	355
Disposal Unit Cost per Rawlins Landfill 2016 quote, assuming 25% porosity of rubble and 150#/ft3 density of concrete	$68.35	$68.35	$68.35	$68.35
Transportation cost (cy)(10cy/load)	$28.80	$28.80	$28.80	$28.80
Subtotal Off-Site Transport & Disposal Costs	$95,797	$6,375	$2,879	$34,456
2. NRC-Licensed Facility				
Assumptions:				
Additional $0/ft^3 for segregation of concrete				
Percentage (%)	36	0	0	0
Volume for Disposal (ft^3)	14,976	-	-	-
Segregation and Loading Unit Cost ($/ft^3)	$0.62	$0.62	$0.62	$0.62
Transportation and Disposal Unit Cost ($/ft^3)	$9.26	$9.26	$9.26	$9.26
Subtotal NRC-Licensed Facility Disposal Costs	$147,996	$0	$0	$0
Subtotal Concrete Floor Disposal Costs	$243,793	$6,375	$2,879	$34,456
C. Concrete Footing				
Length of Concrete Footing (ft)	1870	380	0	370.5
Average Depth of Concrete Footing (ft)	1.93	2.25	0	0
Average Width of Concrete Footing (ft)	1.93	2.25	0	0
Volume of Concrete Footing (ft^3)	6,966	1,924	0	0
Volume of Concrete Footing (cy)	258	71	0	0
Disposal Unit Cost per Rawlins Landfill 2016 quote assuming 25% porosity of rubble and 150#/ft3 density of concrete	$68.35	$68.35	$68.35	$68.35
Transportation Cost	$28.80	$28.80	$28.80	$28.80
Subtotal Concrete Footing Transport & Disposal Costs	$25,063	$6,922	$0	$0
Subtotal Disposal Costs per Building	$488,504	$32,899	$6,821	$34,456
Total Disposal Costs	**$562,680**			
III. Health and Safety Costs				
Radiation Safety Equipment	$0	$0	$0	$0
Total Health and Safety Costs	**$0**			
SUBTOTAL BUILDING DEMOLITION AND DISPOSAL COSTS	$917,220	$72,071	$13,995	$74,206
TOTAL BUILDING DEMOLITION AND DISPOSAL COSTS	**$1,077,492**			

TABLE 5: WELLFIELD BUILDINGS

Wellfield Buildings and Equipment Removal and Disposal	Wellfield 1	Wellfield 2 (Contaminated)	Wellfield 2 (Noncontaminated)
I. Wellfield Piping			
Assumptions:			
Number of Header Houses per Wellfield	13	4	1
Length of Piping per Header House (ft)	21,887	24,231	24,231
Total Length of Piping (ft)	284,531	96,924	24231
A. Removal and Loading			
Wellfield Piping Removal Unit Cost ($/ft of pipe)	$0.32	$0.32	$0.32
Subtotal Wellfield Piping Removal and Loading Costs	$91,050	$31,016	$7,754
B. Transport & Disposal Costs (NRC or Public Landfill)			
Average Diameter of Piping (inches)	1.6	1.6	1.6
Chipped Volume Reduction (ft^3/ft)	0.008	0.008	0.008
Chipped Volume per Wellfield (ft^3)	2276.248	775.392	193.848
Volume for Disposal Assuming 10% Void Space (ft^3)	2504	853	213
Transportation and Disposal Unit Cost ($/$ft^3$)	$9.26	$9.26	$0.81
Subtotal Wellfield Piping Transport and Disposal Costs	$23,187	$7,899	$173
C. Chipping Cost			
Chip rate ft/hr	500	500	500
Rental rate of chipper $/hr	17.68	17.68	17.68
Subtotal cost of chipping	$10,058.17	$3,426.26	$856.57
Wellfield Piping Costs per Wellfield	$124,295	$42,341	$8,783
Total Wellfield Piping Costs	**$175,420**		
II. Well Pumps and Tubing			
Assumptions:			
Pump and tubing removal costs included under ground water restoration labor costs			
100% of contaminated prod/in wells contain pumps and/or tubing			
A. Pump and Tubing Transportation and Disposal			
Number of Production Wells	317	108	81
Number of Injection Wells	597	200	150
Number of Monitor Wells (noncontaminated)	57	0	99
1. Pump Volume			
Number of Wells with Pumps	355	108	27
Average Pump Volume (ft^3)	0.42	0.42	0.42
Pump Volume per Wellfield (ft^3)	149.1	45.36	11.34
2. Tubing Volume			
Assumptions:			
Average tubing length/wellfield based on average well depth minus 25 ft			
Manpower Hourly Rate	27.4	27.4	27.4
Number of Production Wells with Tubing	355	108	27
Number of Injection Wells with Tubing	358	200	150
Average Tubing Length per Well (ft)	420	416	416
Tubing Length per Wellfield (ft)	299,460	128,128	73,632
Man Hours Required to pull injection stinger	0.5	0.5	0.5
Man Hours Required to pull production string/pump	1.5	1.5	1.5
Diameter of Production Well HDPE Tubing (inches)	2.375	2.375	2.375
Diameter of Injection Well HDPE Tubing (inches)	1.315	1.315	1.315

TABLE 5: WELLFIELD BUILDINGS

Wellfield Buildings and Equipment Removal and Disposal	Wellfield 1	Wellfield 2 (Contaminated)	Wellfield 2 (Noncontaminated)
Chipped Volume Reduction for 2.375" OD (ft^3/ft)	0.01	0.01	0.01
Chipped Volume Reduction for 1.315" OD (ft^3/ft)	0.003	0.003	0.003
Chipped Volume per Wellfield (ft^3)	1,942	699	300
Cost for Rental of Chipper	$17.68	$17.68	$17.68
Cost of Pulling Injection Stingers	$4,904.60	$2,740.00	$2,055.00
Cost of Pulling Production Pumps	$14,590.50	$4,438.80	$1,109.70
Cost for Chipping Pipe (rental of chipper and manpower)	$26,996	$11,551	$6,638
Volume of Pump and Tubing (ft^3)	2,091	744	311
Volume for Disposal Assuming 20% Void Space (ft^3)	2509	893	373
Transportation and Disposal Unit Cost ($/$ft^3$)	$9.26	$9.26	$0.72
Subtotal Pump and Tubing Removal, Chipping, Transport and Disposal C	$69,724	$26,999	$10,072
Pump and Tubing Costs per Wellfield	$69,724	$26,999	$10,072
Total Pump and Tubing Costs	**$106,795**		
III. Buried Trunkline			
Length of Trunkline Trench (ft)	9,840	2,172	-
A. Removal and Loading			
Main Pipeline Removal Unit Cost ($/ft of trench)	$2.71	$2.71	$2.71
Subtotal Trunkline Removal and Loading Costs	$26,666	$5,886	$0
B. Transport and Disposal Costs (NRC-Licensed Facility)			
1. 6" HDPE Trunkline			
Piping Length (ft)	1,374	1,738	-
Chipped Volume Reduction (ft^3/ft)	0.066	0.066	0.066
Chipped Volume (ft^3)	91	115	-
2. 8" HDPE Trunkline			
Piping Length (ft)	92	1,004	3,960
Chipped Volume Reduction (ft^3/ft)	0.111	0.111	0.111
Chipped Volume (ft^3)	10	111	440
3. 10" HDPE Trunkline			
Piping Length (ft)	-	-	-
Chipped Volume Reduction (ft^3/ft)	0.173	0.173	0.173
Chipped Volume (ft^3)	-	-	-
4. 12" HDPE Trunkline			
Piping Length (ft)	2,145	726	-
Chipped Volume Reduction (ft^3/ft)	0.243	0.243	0.243
Chipped Volume (ft^3)	521	176	-
5. 20" HDPE Trunkline			
Piping Length (ft)	16,068	3,960	-
Chipped Volume Reduction (ft^3/ft)	0.598	0.598	0.598
Chipped Volume (ft^3)	9,609	2,368	-
Total Trunkline Chipped Volume (ft^3)	10,231	2,771	440
Volume for Disposal Assuming 10% Void Space (ft^3)	11254	3048	484
Transportation and Disposal Unit Cost ($/$ft^3$)	$9.26	$9.26	$0.72
Subtotal Trunkline Transport and Disposal Costs	$104,212	$28,224	$348
Trunkline Decommissioning Costs	$130,878	$34,110	$348
Total Trunkline Decommissioning Costs	**$165,336**		

TABLE 5: WELLFIELD BUILDINGS

Wellfield Buildings and Equipment Removal and Disposal	Wellfield 1	Wellfield 2 (Contaminated)	Wellfield 2 (Noncontaminated)
IV. Wellhead Covers			
Total Quantity	914	308	45
Average Well Cover Volume (ft^3)	12.7	12.7	12.7
A. Removal			
Total Volume (ft^3)	11607.8	3911.6	571.5
Demolition Unit Cost per WDEQ Guideline No.12,App.K ($/ft)	$0.290	$0.290	$0.290
Subtotal Well House Demolition Costs	$3,365	$1,134	$166
B. Survey and Decontamination			
Assumptions:			
Cost per Well House	$0	$0	$0
Subtotal Survey and Decontamination Costs	$0	$0	$0
C. Disposal			
Total Volume (cy)	430	145	21
Volume for Disposal Assuming 10% Void Space (cy)	43	14	2
Disposal Unit Cost per 11e2 or Guideline No.12,App.K ($/cy)	$249.98	$249.98	$19.31
Subtotal 11e2 Disposal Costs	$10,749	$3,500	$39
Well House Removal and Disposal Costs per Wellfield	$14,114	$4,634	$205
Total Well House Removal and Disposal Costs	**$18,953**		
VI. Header Houses			
Total Quantity	13	4	1
Average Header House Volume (ft^3)	1,338	1,332	1,332
A. Removal			
Total Volume (ft^3)	17,394	5,328	1,332
Demolition Unit Cost per WDEQ Guideline No.12,App.K ($/ft)	$0.290	$0.290	$0.290
Subtotal Building Demolition Costs	$5,042	$1,544	$386
B. Survey and Decontamination			
Assumptions:			
Cost per Header House	$0	$0	$0
Subtotal Survey and Decontamination Costs	$0	$0	$0
C. Disposal			
Total Volume (cy)	644	197	49
Volume for Disposal Assuming 10% Void Space (cy)	580	178	44
Transp & Dispos. Cost per 11e2 contract & Rawlins Landfill ($/cy)	$249.98	$249.98	$14.40
Subtotal Off-Site Transport and Disposal Costs	$144,988	$44,496	$634
Header House Removal and Disposal Costs per Wellfield	$150,030	$46,040	$1,020
Total Header House Removal and Disposal Costs	**$197,090**		
TOTAL REMOVAL AND DISPOSAL COSTS PER WELLFIELD	$489,042	$154,123	$20,428
TOTAL WELLFIELD BUILDINGS AND EQUIPMENT REMOVAL AND DISPOSAL COSTS	**$663,593**		

TABLE 6: WELL ABANDONMENT

Well Abandonment						Wellfield 1	Wellfield 2	Regional Monitor, Supply & Class V	
I.	**Well Abandonment (Wellfields)**								
		# of Production Wells				317	108	50	
		# of Injection Wells				597	234		
		# of Monitoring Wells				57	99		
		#of Restoration Wells				0	0		
		Total Number of Wells				971	441	50	
		Average Diameter of Casing (inches)				4.33	4.33	4.33	
		Average Depth (ft)				454	450	599.4	
		Well Abandonment Unit Cost ($/well)				$591	$588	$719	
	Subtotal Abandonment Cost per Wellfield					$574,207	$259,245	$35,928	
	Total Wellfield Abandonment Costs					**$869,380**			
II.	**Waste Disposal Well Abandonment**					**DDW 1**	**DDW 2**	**DDW 3**	**DDW 4**
	A.	Well Plugging							
			Grout Unit ($/hr)						
			Number of Hours						
			Drill Rig Operating Costs			$0	$0	$0	$0
			Cementing Costs						
			Equipment Transport Costs						
			Well Cap Welding Costs						
			Brine Makeup and Injection Costs						
		Subtotal Well Plugging Costs per Well				$109,800	$109,800	$109,800	
	B.	Pump Dismantling and Decontamination							
			Number of Persons			2	2	2	0
			Number of Pumps			1	1	1	0
			Pumps/Day			1	1	1	0
			Number of Days			1	1	1	
			$/Day/Person			$219	$219	$219	$219
		Subtotal Dismantling and Decon Costs per Well				$438	$438	$438	$0
	C.	Tubing String Disposal (NRC-Licensed Facility)							
			Length of Tubing String (ft)			5,946	5,973	6,201	5980
			Diameter of Tubing String (inches)			2.875	2.875	2.875	2.875
			Volume of Tubing String (ft^3)			268	269	279	269
			Transportation and Disposal Unit Cost ($/$ft^3$)			$9.26	$9.26	$9.26	$9.26

TABLE 6: WELL ABANDONMENT

Well Abandonment	Wellfield 1	Wellfield 2	Regional Monitor, Supply & Class V	
Subtotal Tubing String Disposal Costs per Well	$2,481	$2,492	$2,587	$2,495
Subtotal Waste Disposal Well Abandonment Costs per Well	$112,719	$112,730	$112,825	$2,495
Total Waste Disposal Well Abandonment Costs	**$340,769**			
TOTAL WELL ABANDONMENT COSTS	**$1,210,149**			
Waste disposal well abandonment cost is based on a 2013 estimate from a third party contractor escalated to 2015 prices				

TABLE 7: WELLFIELD RECLAMATION

Wellfield and Satellite Surface Reclamation	Wellfield 1	Wellfield 2	Wellfield 3
I. Wellfield Pattern Area Reclamation			
Pattern Area (acres)	45.5	25	0
Disking/Seeding Unit Cost ($/acre)	$329	$329	$329
Subtotal Pattern Area Reclamation Costs per Wellfield	$14,985	$8,233	$0
Total Wellfield Pattern Area Reclamation Costs	**$23,218**		
II. Wellfield Road Reclamation			
A. Road Construction			
Length of Wellfield Roads (1000 ft)	7.95	11.20	0
Wellfield Road Reclamation Unit Cost ($/1000 ft)	$1,111	$1,111	$1,111
Subtotal Road Reclamation Costs per Wellfield	$8,831	$12,442	$0
Total Wellfield Road Reclamation Costs	**$21,273**		
SUBTOTAL SURFACE RECLAMATION COSTS PER WELLFIELD	$23,816	$20,675	$0
TOTAL WELLFIELD SURFACE RECLAMATION COSTS	**$44,491**		
III. Satellite Area Reclamation	**Satellite 1**	**Satellite 2**	**Satellite 3**
Assumptions:			
Area of Disturbance (acres)	0	0	0
Average Depth of Stripped Topsoil (ft)	0	0	0
Surface Grade: Level Ground			
Average Length of Topsoil Haul (ft)	0	0	0
A. Ripping Overburden with Dozer			
Ripping Unit Cost per WDEQ Guideline No.12, App.I1 ($/acre)	$0.00	$0.00	$0.00
Subtotal Ripping Costs	$0	$0	$0
B. Topsoil Application with Scraper			
Volume of Topsoil Removed (cy)	0	0	0
Application Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$0.00	$0.00	$0.00
Subtotal Topsoil Application Costs	$0	$0	$0
C. Discing and Seeding			
Discing/Seeding Unit Cost ($/acre)	$329	$329	$329
Subtotal Discing/Seeding Costs	$0	$0	$0
Subtotal Surface Reclamation Costs per Satellite	$0	$0	$0
Total Satellite Building Area Reclamation Costs	**$0**		
TOTAL WELLFIELD AND SATELLITE SURFACE RECLAMATION COSTS	**$44,491**		

TABLE 8: MISC RECLAMATION

Miscellaneous Reclamation	
I. Central Plant/Office Area + Deep Well Pad Reclamation	
Assumptions	
Concrete, asphalt, and building material used to backfill low areas	
A. Ripping and Hauling Asphalt	
Assumptions	
Average haul distance (ft)	0
Surface grade (%)	0%
Average Thickness of Asphalt (ft)	0
Surface Area (acres)	0
Ripping Unit Cost per WDEQ Guideline No.12, App.I ($/acre)	$0.00
Volume of Asphalt (cy)	0
Hauling Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$0.00
Total Asphalt Ripping and Hauling Cost	$0
B. Borrow Cover	
1. Topsoil Removal/Replacement	
Assumptions	
Surface area of borrow area (acres)	15.85
18 inches of topsoil removed and replaced at borrow area	
Volume of topsoil (cy)	3,985
Topsoil Removal/Replacement Unit Cost ($/cy	$0.43
Total Topsoil Removal/Replacement Cost	$1,726
2. Borrow Application	
Assumptions	
Final borrow cover depth will range from 0 to 4 ft, average = 1 ft	
Average haul distance = 1000 ft	
Surface grade (%)	0%
Borrow Volume (cy)	0
Borrow Cover Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$0.43
Total Borrow Application Cost	$0
Total Borrow Cover Cost	$1,726
C. Discing/Seeding	
Assumptions	
Includes discing/seeding of borrow area (3 acres)	
Surface Area (acres)	15.85
Discing/Seeding Unit Cost ($/acre)	$329
Subtotal Discing/Seeding	$5,219.88
D. Ripping for Soil Prep	
Surface Area (acres)	15.9
Ripping Unit Cost ($/Acre)	171.7
Ripping Subtotal	2,721.4
Total CPF/Office Area Reclamation	**$9,667**

TABLE 8: MISC RECLAMATION

Miscellaneous Reclamation													
II.	Access Road Reclamation						Main E-W Access Rd	Plant Rd. (including emergency access rd)	Secondary Rd from Main Rd. to drill shop and MU1 plus MU1 access Rd from Main Rd	Deep Well #1	Deep Well #3	Deep Well #4	Deep Well #2
	A.	Assumptions											
		Surface grade					0%	0%	0%	0%	0%	0%	0%
		Length of road (miles)					9.25	0.43	0.31	0.3	0.19	0.06	0.19
		Average road width (ft)					20	20	14	14	14	14	14
	B.	Ripping and Hauling Asphalt											
		Assumptions											
		Average haul distance (miles)					0	0	0	0	0	0	0
		Average Thickness of Asphalt (ft)					0	0	0	0	0	0	0
		Asphalt Surface Area (acres)					0.0	0.0	0.0	0.0	0.0	0.0	0
		Ripping Unit Cost per WDEQ Guideline No.12, App.I ($/acre)					$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		Volume of Asphalt (cy)					0	0	0	0	0	0	0
		Hauling Unit Cost per WDEQ Guideline No.12, App.C ($/cy)					$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		Subtotal Asphalt Ripping and Hauling Costs					$0	$0	$0	$0	$0	$0	$0
	B.	Gravel Road Base Removal											
		Assumptions											
		Average haul distance (ft)					150	150	150	150	150	150	150
		Gravel Road Base Width (ft)					20	20	14	14	14	14	14
		Gravel Road Base Area (acres)					22.4	1.0	0.5	0.5	0.3	0.1	0.3
		Average Road Base Depth (ft)					0.25	0.25	0.25	0.25	0.25	0.25	0.25
		Volume of Road Base (cy)					9044	420	212	205	130	41	130
		Removal Unit Cost per WDEQ Guideline No.12, App.C ($/cy)					$0.72	$0.72	$0.72	$0.72	$0.72	$0.72	$0.72
		Subtotal Gravel Road Base Removal Costs					$6,521	$303	$153	$148	$94	$30	$94
	C.	Ripping Overburden with Dozer											
		Overburden Surface Area (acres)					21.8	1.0	0.3	0.5	0.3	0.1	0.3
		Ripping Unit Cost per WDEQ Guideline No.12, App.I1 ($/acre)					$837.00	$837.00	$837.00	$837.00	$837.00	$837.00	$837.00
		Subtotal Ripping Overburden Costs					$18,247	$837	$251	$427	$268	$84	$251
	D.	Topsoil Application											
		Assumptions											
		Average haul distance (ft)					1357	500	213	750	250	100	250
		Topsoil Surface Area (ft^2)					949,608	45,408	11,900	22400	14000	4200	14000
		Depth of Topsoil (ft)					1.284	1.86	1.5	1.5	1.5	1.5	1.5
		Volume of Topsoil (cy)					45159	3128	661	1244	778	233	778
		Topsoil Unit Cost per WDEQ Guideline No.12, App.C ($/cy)					$0.72	$0.72	$0.72	$0.72	$0.72	$0.72	$0.72
		Subtotal Topsoil Application Costs					$32,560	$2,255	$477	$897	$561	$168	$561
	E.	Discing/Seeding											
		Assumptions											
		Surface Area (acres)					22.4	1.0	0.5	0.5	0.3	0.1	0.3
		Discing/Seeding Unit Cost ($/acre)					$329	$329	$329	$329	$329	$329	$329
		Subtotal Discing/Seeding Costs					$7,385	$343	$173	$168	$106	$34	$106
	Subtotal Reclamation Costs per Access Road						$64,713	$3,738	$1,054	$1,640	$1,029	$316	$1,012
	Total Access Road Reclamation Costs						**$73,502**						

TABLE 8: MISC RECLAMATION

Miscellaneous Reclamation									
III.	**Wastewater Pipeline Reclamation**		**Deep Well #1**	**Deep Well #3**	**Deep Well #4**	**Class V**	**Deep Well #2**		
	A.	Pipeline Removal and Loading							
		Length of HDPE Pipe Trench (ft)	18,025	589	400	800	6340		
		Main Pipeline Removal Unit Cost ($/ft of trench)	$2.71	$2.71	$2.71	$2.71	$2.71		
		Subtotal Pipeline Removal Costs	$48,848	$1,596	$1,084	$2,168	$17,181		
	B.	Pipeline Transportation and Disposal (NRC-Licensed Facility)							
		Pipe Diameter (inches)	3.9	2	2	3.9	$2		
		Chipped Volume Reduction (ft^3/ft)	0.189	0.13	0.13	0.189	0.13		
		Subtotal Volume of Shredded PVC Pipe (ft^3)	3406.725	76.57	52	151.2	824.2		
		Transportation and Disposal Unit Cost ($/$ft^3$)	$9.26	$9.26	$9.26	$9.26	$9.26		
		Subtotal Pipeline Disposal Costs	$31,546	$709	$482	$1,400	$7,632		
	C.	Discing/Seeding							
		Assumptions:							
		Width of Pipeline Trench (ft)	6	6	6	0	6		
		Area of Pipeline Trench (acres)	2.5	0.1	0.1	0.0	0.9		
		Discing/Seeding Unit Cost ($/acre)	$329	$329	$329	$329	$329		
		Subtotal Discing/Seeding Costs	$818	$27	$18	$0	$288		
	Subtotal Reclamation Costs per Pipeline		$81,212	$2,332	$1,584	$3,568	$25,101		
	Total Wastewater Pipeline Reclamation Costs		**$113,797**						
IV.	**Holding Pond Reclamation**		**N Pond**	**S Pond**					
	A.	Soil Sampling and Monitoring							
		Number of Soil Samples	5	5					
		$/Sample	$91	$91					
		Subtotal Soil Sampling and Monitoring Costs	$455	$455					
	B.	Liner/Subsoil Removal and Disposal							
		Assumptions:							
		Sand liner and subsoil constitute by-product material							
		Thickness of sand liner (ft)	1.021	1.021					
		Thickness of contaminated subsoil (ft)	0	0					
		Removal and Loading Unit Cost based on engineer's design							
		report and Cat Performance Handbook							
		Width of Pond (ft)	119.3	119					
		Length of Pond (ft)	224	223					
		Surface area of pond (ft^2)	26,723	26,537					
	1.	Removal and Loading							
		Volume of Sand Liner (cy)	1011	1003					
		Sand Liner Removal and Loading Unit Cost ($/cy)	4.32	4.32					
		Subtotal Liner Removal and Loading Costs	$4,368	$4,338					
	2.	Transportation and Disposal							
		Volume of Sand Liner (ft^3)	27,284	27,094					
		Transportation and Disposal Unit Cost ($/$ft^3$)	$9.26	$9.26					
		Subtotal Liner Transportation and Disposal Costs	$252,653	$250,893					
		Subtotal Liner Removal and Disposal Costs	$257,021	$255,231					
	C.	Topsoil Application (see plant calc above)							
		Assumptions:							
		Area of surface disturbance (ft^2)	0	0					
		Average thickness of topsoil (ft)	0	0					
		Average haul distance (ft)	0	0					
		Surface grade (%)	0%	0%					
		Volume of Topsoil (cy)	0	0					
		Topsoil Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$0.00	$0.00					
		Subtotal Topsoil Application Costs	$0	$0					

TABLE 8: MISC RECLAMATION

Miscellaneous Reclamation					
	D.	Discing/Seeding			
		Assumptions:			
		Area of surface disturbance (acres)	0	0	
		Discing/Seeding Unit Cost ($/acre)	$329	$329	
		Subtotal Discing/Seeding Costs	$0	$0	
	E.	Cost to Dispose of Water in Ponds			
		Volume of water in ponds (gallons)	304,763	268,758	
		Cost of disposal in Class I Wells per 1,000 gallons	$2.48	$2.48	
		Subtotal cost of pond water disposal	$755.77	$666.48	
	Subtotal Reclamation Costs per Pond		$258,232	$256,352	
	Total Holding Pond Reclamation Costs		**$514,584**		
V.	**Reservoir Reclamation**		**Reservoir 1**	**Reservoir 2**	
	A.	Soil Sampling and Analysis Costs	$0	$0	
	B.	Leachate Collection System Removal Costs	$0	$0	
	C.	Topsoil/Subsoil Application			
		Assumptions:			
		Average haul distance (ft)	0	0	
		Surface grade (%)	0%	0%	
		Volume of Topsoil/Subsoil (cy)	0	0	
		Topsoil/Subsoil Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$0.00	$0.00	
		Topsoil/Subsoil Unit Cost per WDEQ Guideline No.12, App.E ($/cy)	$0.000	0	
		Subtotal Topsoil/Subsoil Application Costs per Reservoir	$0	$0	
	D.	Discing/Seeding			
		Surface Area (acres)	0	0	
		Discing/Seeding Unit Cost ($/acre)	$329	$329	
		Subtotal Discing/Seeding Costs	$0	$0	
	Subtotal Reclamation Costs per Reservoir		$0	$0	
	Total Purge Storage Reservoir Reclamation Costs		**$0**		
VI.	**Exploration Hole Surface Reclamation**				
	A.	Number of Historic Holes (Year 2005-Sept 2015)	849		
		Number of plug holes planned for this year	0		
		Cost for surface reclamation/hole	$60.00		
	Subtotal Reclamation Costs per Irrigation Area		$50,940		
	Total Exploration Hole Surface Reclamation Costs		**$50,940**		
VII.	**Culvert Removal**				
	Feet of culvert to remove		375		
	Cost per foot ($/ft per G.L. 12 App J		$4.94		
			$1,853		
VIII.	**Fence Removal (facility wide)**				
	Feet of fence to remove		33,357		
	Cost to remove ($/ft G.L. 12 App H		$0.39		
			$13,009		
IX.	**Cost to Remove, Transport, and Dispose of Contaminated Soil**				
		Volume of Soil to Remove (yd3	33.6		
		Cost to Remove Soil ($/yd3)	$3.35		
		Cost to Transport and Dispose of Soil ($/yd3)	$250		
			$8,512		
TOTAL MISCELLANEOUS RECLAMATION COSTS			**$785,864**		

TABLE 9: RADIUM TREATMENT

RADIUM TREATMENT			
Assumptions:			
1.	Based on actual operating costs		
Radium Treatment Costs per 1000 Gallons			
	Resin Replacement	= $	0.34
	Chemical (Caustic)	= $	0.009
	Filtration	= $	0
	Electricity	= $	0
	By Product Disposal of Sludge	= $	0
TOTAL RADIUM TREATMENT COSTS PER 1000 GALLONS		**= $**	**0.35**

TABLE 10: GWS SWEEP

GROUNDWATER SWEEP (GWS)

Assumptions:

1. All pumps are 5 hp pumping at 20 gpm
2. Cost of electricity = $0.072/kwh
3. All water pumped is treated for radium removal at actual cost of $0.35/1000 gall
4. All water pumped is disposed at irrigation facility with a 0 hp pump
5. Repair and maintenance costs estimated at $ 0.1236/1000 gallons
6. Process sampling and analysis costs estimated at $0.71/1000 gallons
7. Labor costs are not included

Wellfield Pumping Costs per 1000 Gallons

$$\frac{1000\ \text{gal}}{} \times \frac{5\ \text{hp}}{20\ \text{gpm}} \times \frac{1\ \text{hr}}{60\ \text{min}} \times \frac{0.746\ \text{kwh}}{\text{hp}} \times \frac{\$\ 0.07}{\text{kwh}} = \$\ 0.2238$$

Radium Treatment Costs per 1000 Gallons = $ 0.35

Pumping to Irrigator Costs per 1000 Gallons

$$\frac{1000\ \text{gal}}{} \times \frac{0\ \text{hp}}{0\ \text{gpm}} \times \frac{1\ \text{hr}}{60\ \text{min}} \times \frac{0.746\ \text{kwh}}{\text{hp}} \times \frac{\$\ 0.07}{\text{kwh}} = \$\ 0.000$$

Repair and Maintenance Costs per 1000 Gallons = $ 0.1236

Process Sampling and Analysis Costs per 1000 Gallons = $ 0.71

RO of water for Class V inj =$ 0.79

TOTAL GWS COSTS PER 1000 GALLONS = $ 2.19

TABLE 11: REVERSE OSMOSIS

REVERSE OSMOSIS (RO)											
Assumptions:											
1	Cost of electricity = $0.07/kwh										
2	90% permeate/10% reject split										
3	Membrane life of 4 years with a cost of $__x_ per membrane element										
4	Includes cost of pumping from wellfield to RO Unit										
5	The water is pumped through the RO and returned to the wellfield with a 150 hp pump at actual cost of										
	$0.17 /1000 gallons										
6	Process sampling and analysis costs estimated at $0.177/1000 gallons										
7	Labor costs are not included										
Reverse Osmosis Costs per 1000 Gallons											
	Electricity							= $	0.17		
	Chemicals							= $	0.0824		
	Membrane Replacement							= $	0		
	Repair and Maintenance							= $	0.0721		
	Pumping from Wellfield							= $	0.218		
	Pumping to Wellfield							=$	0		
	Radium Treatment										
		$	0.35	X	0.20			= $	0.0698		
	Pumping to Irrigator										
		$	0	X	0.2			= $	0.000		
	Process Sampling and Analysis							= $	0.177		
TOTAL RO COSTS PER 1000 GALLONS								**= $**	**0.79**		

TABLE 12: CHEMICAL REDUCTANT

CHEMICAL REDUCTANT

Assumptions:

1. Based on actual operating costs during restoration activities
2. Reductant introduced to RO permeate at concentration of __ mg/L
3. Volume distribution varies with each pattern, average = _____ gals/pattern (i.e., approximately __ pore volume at __% of pattern areas)
4. Chemical cost = $__/lb, includes tank rental and safety equipment
5. Labor costs are not included

Chemical Reductant Costs per Pattern

$$\frac{\text{kgal}}{\text{pattern}} \times \frac{3785\ \text{L}}{1\ \text{kgal}} \times \frac{\text{mg}}{1\ \text{L}} \times \frac{\text{lbs}}{\text{mg}} \times \frac{\$}{\text{lb}} = \$\ 0$$

TOTAL CHEMICAL REDUCTANT COSTS PER PATTERN **= $ 0**

TABLE 13: ELUTION PROCESSING

ELUTION PROCESSING		
Assumptions:		
1. Based on actual operating costs		
TOTAL PROCESSING COSTS PER ELUTION	**= $**	**537.71**

TABLE 14: DEEP WELL INJECTION

DEEP WELL INJECTION

Assumptions:

1. Pump 90 hp pumping at 20 gpm
2. Cost of electricity = $0.072/kwh
3. Repair and maintenance costs based on 1,000 gallons of flow
4. Repair and maintenance costs estimated at $0.15/1000 gallons
5. Chemical costs based on 1,000 gallons of injection $0.27
6. Labor costs are not included

Waste Disposal Pumping Costs per 1000 Gallons

$$\frac{1000 \text{ gal}}{} \times \frac{90 \text{ hp}}{39 \text{ gpm}} \times \frac{1 \text{ hr}}{60 \text{ min}} \times \frac{0.746 \text{ kwh}}{\text{hp}} \times \frac{\$ 0.07}{\text{kwh}} = \$ 2.07$$

Repair and Maintenance Costs per 1000 Gallons	= $ 0.15
Chemical Costs per 1000 Gallons	= $ 0.27
Scale Inhibitor	= $ 0.27
Corrosion Inhibitor	= $ 0.00
Oxygen Scavenger	= $ 0.00
TOTAL DEEP WELL INJECTION COSTS PER 1000 GALLONS	**= $ 2.48**

TABLE 15: WELL ABONDONMENT

WELL ABANDONMENT											
Assumptions:											
1.	Use backhoe for 1.5 hr/well to dig and reclaim pit at cost of $30.21/hr.										
2.	Use hose reel/tow vehicle for 0.75 hr/well to pull hoses and pump abandonment fluid at cost of $37.99/hr.										
3.	Use cementer/tow vehicle for 1 hr/well to pump plug gel at cost of $37.99/hr.										
4.	Labor for backhoe, hose reel, cementer will require 1 workers at 3.25 hr/well at cost of $27.40/hr.										
5.	Materials include one hole plug at $3.01 and 9 sack of high solids bentonite grout/100 ft of 4.33 inch well casing.										
	Cost of high solids bentonite grout is $9.72/sack.										
Well Abandonment Costs											
	Fixed Costs										
	Backhoe										
		1.5	hours	X	$	30.21	per hour			=$	45.32
	Hose Reel/Tow Vehicle										
		0.75	hours	X	$	24.99	per hour			=$	18.74
	Cementer/Tow Vehicle										
		1	hours	X	$	37.99	per hour			=$	37.99
	Labor										
		3.25	man	X	$	27.40	per man			=$	89.05
			hours				hour				
	Materials										
		1	hole	X	$	3.10	per hole			=$	3.10
			plug				plug				
						Total Fixed Costs				=$	194.20
	Variable Costs			(per 100 ft of well depth)							
	Materials										
		9	sack plug gel			X	$	9.72	per	=$	87.48
			per 100 feet						sack		
	Cost per Well per Unit of Average Depth										
					Well Depth (ft)						
						450				**=$**	**588**
						500				**=$**	**632**
						550				**=$**	**675**
						600				**=$**	**719**
						650				**=$**	**763**

TABLE 16: MIT

FIVE YEAR MECHANICAL INTEGRITY TESTS (MIT)													
Assumptions:													
1.	Based on actual operating costs												
2.	Use Hose Reel for 0.75 hr/well at cost of $12.50/hr												
3.	Use MIT Unit for 2 hr/well at cost of $28.50/hr *1.04 Inf.												
4.	Labor for operation of pulling unit will require 2 workers at $27.40/hr												
5.	Labor for operation of MIT Unit will require 1 worker at $27.40/hr												
MIT Costs per Well													
Equipment:													
	Hose Reel												
		0.75	hours	X	$	12.50	per hour					=$	9.38
	MIT Unit												
		2	hours	X	$	29.64	per hour					=$	59.28
Labor:													
	Hose Reel												
		0.75	hours	X	$	27.40	per hour	X	1	workers		=$	$20.55
	MIT Unit												
		2	hours	X	$	27.40	per hour					=$	54.80
							MIT COST PER WELL					**=$**	**144**

TABLE 17: MAIN PIPELINE REMOVAL

MAIN PIPELINE REMOVAL														
Assumptions:														
1.	Trenching with trackhoe at 500 ft/day													
2.	Pipeline extraction and backfilling with trackhoe at 300 ft/day													
3.	Trackhoe rental: $1,550/week													
4.	Fuel cost: $8.37/operating hour													
5.	Trackhoe operation requires 1 worker at $27.40/hour													
6.	Pipeline extraction requires 1 workers at $27.40/hour (in addition to trackhoe operator)													
7.	Pipelines removed simutaneously													
8.	Includes removal of manholes													
9.	Operating schedule: 8 hrs/day, 5 days/week													
Main Pipeline Removal Costs per ft of Trench														
Equipment														
	Trackhoe													
		$ 1,550 / week	X	1 week / 5 days	X	1 days / 300 ft	=$	1.03						
	Fuel													
		$ 8.37 / hour	X	8 hrs / 1 day	X	1 days / 300 ft	=$	0.22						
Labor														
	Trackhoe Operation													
		$ 27.4 / man hr	X	8 man hrs / 1 day	X	1 days / 300 ft	=$	0.73						
	Pipeline Extraction													
		$ 27.4 / man hr	X	8 man hrs / 1 day	X	1 day / 300 ft	=$	0.73						
MAIN PIPELINE REMOVAL COST PER FT OF TRENCH							**=$**	**2.71**						

TABLE 18: WELLFIELD PIPING REMOVAL

WELLFIELD PIPING REMOVAL													
Assumptions:													
1.	Trenching with 310SL John Deere Backhoe at 2000 ft/day												
2.	Pipeline extraction and backfilling with backhoe at 2000 ft/day												
3.	Backhoe rental: $788/week												
4.	Fuel cost: $6.01/operating hour												
5.	Backhoe operation requires 1 worker at $27.40/hour												
6.	Pipeline extraction requires 1 workers at $27.40/hour (in addition to backhoe operator)												
7.	Operating schedule: 8 hrs/day, 5 days/week												
Main Pipeline Removal Costs per ft of Pipe													
Equipment													
	Backhoe												
		$ 788 / week	X	1 week / 5 days	X	1 days / 2000 ft		=$	0.08				
	Fuel												
		$ 6.01 / hour	X	8 hrs / 1 day	X	1 days / 2000 ft		=$	0.02				
Labor													
	Backhoe Operation												
		$ 27.40 / man hr	X	8 man hrs / 1 day	X	1 days / 2000 ft		=$	0.11				
	Pipeline Extraction												
		$ 27.40 / man hr	X	8 man hrs / 1 day	X	1 day / 2000 ft		=$	0.11				
WELLFIELD PIPELINE REMOVAL $ PER FT OF PIPE									=$	**0.32**			

TABLE 19: WELLFIELD ROAD RECLAMATION

WELLFIELD ROAD RECLAMATION

Assumptions

1. Gravel road base removed at cost of $0.721/cy (WDEQ Guideline No. 12, App. C, Level Ground, 500 ft haul)
2. Gravel road base: average depth = 0.3 ft, average width = 14 ft
3. Roads scarified prior to topsoil application at cost of $49.83/acre (WDEQ Guideline No. 12, Appendix P)
4. Grading of scarified roads prior to topsoil application at cost of $54.33/acre (WDEQ Guideline No. 12, Appendix G))
5. Topsoil applied at cost of $0.72/cy/1000 ft (WDEQ Guideline No. 12, App. C, Level Ground, 500 ft haul)
6. Stripped topsoil: average depth = 1.5 ft, average width = 20 ft
7. Discing/seeding cost of $327/acre is based on estimation in UC-Disk tab

Gravel Road Base Removal Costs per 1000 ft of Road

$$\frac{1000\ \text{ft}}{} \times \frac{0.30\ \text{ft}}{} \times \frac{14\ \text{ft}}{} \times \frac{1\ \text{cy}}{27\ \text{ft}^3} \times \frac{\$0.72}{\text{cy}} = \$\ 112$$

Scarification Costs per 1000 ft of Road

$$\frac{1000\ \text{ft}}{} \times \frac{20\ \text{ft}}{} \times \frac{1\ \text{acre}}{4.356\text{E+}04\ \text{ft}^2} \times \frac{\$49.83}{\text{acre}} = \$\ 23$$

Grading Costs per 1000 ft of Road

$$\frac{1000\ \text{ft}}{} \times \frac{20\ \text{ft}}{} \times \frac{1\ \text{acre}}{4.356\text{E+}04\ \text{ft}^2} \times \frac{\$54.33}{\text{acre}} = \$\ 25$$

Topsoil Application Costs per 1000 ft of Road

$$\frac{1000\ \text{ft}}{} \times \frac{1.50\ \text{ft}}{} \times \frac{20\ \text{ft}}{} \times \frac{1\ \text{cy}}{27\ \text{ft}^3} \times \frac{\$0.72}{\text{cy}} = \$\ 800$$

Discing/Seeding Costs per 1000 ft of Road

$$\frac{1000\ \text{ft}}{} \times \frac{20\ \text{ft}}{} \times \frac{1\ \text{acre}}{4.356\text{E+}04\ \text{ft}^2} \times \frac{\$329}{\text{acre}} = \$\ 151$$

TOTAL WELLFIELD ROAD RECLAMATION COSTS PER 1000 FT OF ROAD = $ 1,111

TABLE 20: BYPRODUCT TRANSPORT AND DISPOSAL

BYPRODUCT MATERIAL TRANSPORTATION AND DISPOSAL											
Assumptions:											
1.	Based on actual 2016 costs for transportation to and disposal at an NRC-licensed disposal facility.										
2.	Includes profit for transporter and disposal facility.										
3.	All types of waste shipped vi bulk container (30-yd^3 dumpster or 30-yd^3 dump truck).										
4.	Each shipment contains 30,000 lbs of material.										
		Transportation Cost				**Disposal Cost**			**Total**		
			$ 60.73	/yd^3	+	$ 189.25	/yd^3	=	$ 249.98	/yd^3	
								=	**$ 9.26**	**/ft^3**	

TABLE 21: DISKING/SEEDING

DISKING/SEEDING						
Assumptions:						
1.	Based on cost estimate					
TOTAL DISKING/SEEDING COSTS PER ACRE					**= $**	**329.33**

COLORADO OFFICE
10758 W. CENTENNIAL RD., STE. 200
LITTLETON, CO 80127
TEL: (866) 981-4588
FAX: (720) 981-5643

WYOMING OFFICE
5880 ENTERPRISE DR., STE. 200
CASPER, WY 82609
TEL: (307) 265-2373
FAX: (307) 265-2801

LOST CREEK ISR, LLC

TECHNICAL MEMO

Date: April 12, 2016

To: MU-104 Excursion Files

From: Manager EHS and Regulatory Affairs

Subject: Technical Memorandum and Corrective Action Report on MU-104 Replacement

BACKGROUND

The monitor well MU-104 is a Mine Unit 1 (HH1-10 area) monitor well screened in the underlying horizon (KM Horizon) below the mining horizon (HJ Horizon) or injection zone. An excursion occurred at MU-104 in July and August of 2015 as described in the monthly report to WDEQ-LQD dated August 14, 2015 and the summary report to NRC dated October 27, 2015. This technical memorandum is a follow-up to the excursion summary report providing a description of the investigation and well replacement. The excursion occurred rapidly and was recovered rapidly, and therefore investigations were performed to determine the likely cause of communication between the injection zone and underlying zone.

INVESTIGATIONS

- MIT

To determine if the well casing was intact, a new MIT was completed on the well on September 1, 2015 which passed (this had not been mentioned in the original excursion reports). The previous MIT completed on April 14, 2009 was reviewed and no anomalies were revealed.

- Confining Layer

The mine geologist reviewed geophysical logs for boreholes in the vicinity of MU-104 in September 2015 to determine if any anomalies existed in the confining shale that isolates the HJ from the KM. No anomalies were revealed.

- Hydrogeological Testing

Hydrogeological testing was initiated by the hydrogeologist and conducted in the vicinity of MU-104 to determine the potential source/cause of the connectivity. The summary of the investigation is included as **Attachment 1**.

WELL WORKOVER AND REPLACEMENT

As a corrective action, a well workover was initiated on MU-104 on January 5, 2016. The well screen was removed, the hole was drilled out to 643 feet, and underreaming was conducted at 500-530 feet. During underreaming there was no evidence of cement around the casing at the underream interval. An improper cement job was concluded and was likely the conduit for communication between well 1P347I and MU-104. The well was plugged and abandoned on January 5, 2016.

A replacement well MU-104A was drilled nearby on January 6 and completed on January 8, 2016. The well passed MIT on January 9, 2016. During sampling attempts, the well water yield was very low and a workover was initiated. For the workover on January 28, 2016, the well was underreamed to remove extraneous cement that had filled the wellbore bottom and wall at the screen interval. The underream tool had broken during the reaming out of the cement. The well failed a subsequent MIT on January 28 and it was likely due to the broken underream tool damaging the casing upon retrieval. A second replacement well, MU-104B, was installed as a result.

The second replacement well MU-104B was drilled on February 8 and completed on February 12, 2016. The well passed MIT and is performing acceptably.

ATTACHMENT 1

MU-104 Excursion – Root Cause Analysis

Stated Problem

Elevated levels of chloride and specific conductance measurements, which exceeded their respective UCLs, first occurred **July 9, 2015** in monitor well MU-104 (**Table 1**). This well is located south of the Lost Creek Fault in Header House 1-10 (**Figure 1**), and is completed in the underlying KM Horizon.

Corrective action, which included over-pumping production wells and shutting off their associated pattern injectors, was initiated following excursion confirmation on **July 14, 2015**. The corrective action was successful in lowering the UCL parameters to acceptable regulatory levels within five weeks, and the wellfield patterns adjacent to MU-104 resumed normal operation on **August 18, 2015**.

However, the **August 20, 2015** EHS sampling event revealed another excursion has occurred wherein alkalinity, chloride and specific conductance measurements all exceeded their respective UCLs. The measured concentration for the three parameters were 75 to 100 percent higher in the second excursion than were observed during the first excursion (**Table 1** and **Figure 2**). As with the first excursion, the same corrective action was initiated on **August 28, 2015** following receipt of the confirmation sampling results.

On **September 21, 2015**, a field investigation commenced for the purpose of identifying the probable excursion origin.

MU-104 Excursion Evaluation

Site Conditions

The wellfield patterns in the immediate vicinity of MU-104 are completed in the 120-130 and 160-170 horizons (see **Figure 1**). The Sagebrush Shale (SBS) is nearly non-existent in the MU-104 E-log, but from correlation mapping it has been assigned a depth of 512 to 517 feet below ground surface (bgs), hence only 5 feet thick. MU-104 is screened from 550 to 580 feet or 33 feet below the SBS.

The 120-130 horizon injection wells are completed to depths ranging from 417 to 445 feet bgs, and the 160-170 horizon injectors are completed to depths ranging from 460 to 497 feet bgs. There is approximately 50 feet of vertical separation between the screened interval of MU-104 and the deepest 160-170 horizon injector (1P347I). This 50 foot zone contains numerous low permeable silty strata that should inhibit or mute the vertical propagation of pressure waves and chemical fronts.

Wellfield Operations

Header house 1-10 commenced operation on **June 18, 2015**, and the first reportable excursion was noted on **July 9th**, just three weeks later. Operating records indicate that adjacent patterns were run in near balanced condition during that three week period.

Sampling Analytical Results

Table 1 summarized the 2015 analytical results for MU-104 prior to initiation of corrective action. **Figure 2** shows the charted parameter results covering the excursion periods with the UCL thresholds indicated by the dashed line. Note the quick rise in parameter concentrations that triggered the excursion alarms, and the equally rapid drop following corrective action pumping. This observed rapid response is equally impressive in both the first and second excursion events.

It should be pointed out that once operations resumed after the first excursion, the second excursion was discovered just three days later. The discovery of the second excursion coincided with EHS' normal routine sampling schedule. In actuality, the excursion could have occurred on any of the three days prior to its **July 9th** discovery, and given the higher concentrations observed, it probably did.

Field Assessment and Observations

As part of the corrective action, horizon 120-130 injectors 1I404 and 1I408 and horizon 160-170 injectors 1P347I and 1I406B were shut off for the second time on **August 29, 2015**, but their respective production wells 1P214, 1P215 and 1I405P remained pumping. The cumulative pumping rate from both patterns was approximately 48 gpm following the **August 20, 2015** excursion discovery.

In an attempt to determine the source or sources of the excursions, pressure transducers (PTs) were install in MP-104 (HJ Horizon) and in MU-104 (KM Horizon) on **September 15, 2015**. The PTs were programmed to store water level readings every hour on the hour. The objective was to observe water level changes in each horizon as individual injectors were re-started. A rise in water level would indicate a direct hydraulic connection between the injector and the monitor well.

On **September 21, 2015**, water level readings were downloaded and reviewed for stability. The review indicated that the water level in MU-104 had been stable for the prior three day period, hence the test(s) could commence. It was decided that the first injector to be turned on should be the deepest and closest to MU-104. Injector 1P347I, completed in the 160-170 horizon, was the closest well located approximately 60 feet (surface distance) from MU-104 and completed approximately 50 feet stratigraphically higher. This injector was turned on at 13:30 hours and adjusted to deliver 10.4 gpm. Within 30 minutes, the water level in MU-104 had risen 1.5 feet, and after 1.5 hours it had risen 2.5 feet total. The rapid response was both surprising and alarming.

After 1.5 hours, injector 1P347I was turned off and injector 1I406B turned on at 15:00 hours and adjusted to deliver approximately 10 gpm. Injector 1I406B ran through the night with no measured response in MU-104 at 9 a.m. the next morning.

The third injector in this pattern, 1P309I, had been operating at a constant rate of 2.5 gpm during the two above mentioned tests as it was deemed unlike to affect MU-014 given its distant location and proximity to the production well.

At noon on **September 22, 2015**, injectors 1I408 and 1I404 both of which are located in the overlying 120-130 horizon, were turned on and adjusted to deliver 20 gpm and 10 gpm, respectively. Injectors 1I406B and 1P309I were left running at the pre-established rates since they appeared to have had no impact on MU-104 water level.

At 9 a.m. on **September 23, 2015**, downloaded MU-104 data indicated no measurable response in conjunction with turning on the 120-130 horizon injectors. At this point, it appeared that injector 1P347I was the root cause of the water level rise and chemical contamination in MU-104; how and why remained unanswered concerns.

The field test findings were presented to Steve Loose and staff for discussion and corrective action planning. The group collectively decided that the best plan would be to convert injector 1P347I into a producer and likewise covert producer 1I405 into an injector. This plan was presented by Steve Loose to Kurt Brown who verbally approved the plan. The wellfield crew implemented the plan immediately and had the stinger and pump pulled by end of business Wednesday, **September 23, 2015**.

Due to the suspiciously rapid water level response observed in MU-104 when 1P347I was turned on, it was decided that the well completion integrity should be further evaluated by running the video camera down 1P347I once the turbidity had cleared. This activity was attempted on Thursday **September 24, 2015**, but equipment failure prevented its execution.

Summary of Findings and Conclusion

A summary of findings follow:

1. The rapid hydraulic and chemical response observed between 1P347I and monitor well MU-104 is exceptionally quick inferring a direct communication pathway. The rapid MU-104 water level change occurred irrespective of whether 1P347I was an injector or producer.
2. The measured concentrations of chloride, alkalinity and specific conductance were 75 to 100 percent higher in the second excursion than was observed during the first excursion.
3. Despite the fact that the SBS is not well developed in the MU-104 area, the 50 foot vertical horizon separating the screened intervals of 1P347P and MU-104 contains numerous low permeable silty strata that should inhibit or mute the vertical propagation of pressure waves and chemical fronts.

The above findings lead us to conclude that there is a direct communication pathway between injector 1P347I and MU-104 that most likely is attributable to a defective cement job on MU-104 casing. This hypothesis is difficult to directly measure/prove, so an indirect test is being implemented wherein the 160-170 pattern operation is varied and the response observed. By converting the production well (1I405P) into an injection well and converting injection well 1P347I into a production well, the water level in MU-014 should decline given its proximity to 1P347I and the observed direct hydraulic connection.

The wellfield crew made the requisite reconfiguring changes to HH1-10 to accommodate the new well functions discussed above, and the pattern was ready for operation on **September 30, 2015**. However, the pattern was not restarted until the following day to allow for the collection of background water level data. On Thursday **October 1, 2015** at approximately 9:00 a.m., injector 1I405P and producer 1P347I were restarted and both set at rates of 8.3 gpm (balanced). Within one hour, the water level in MU-104 had dropped 3.4 feet, thus again confirming the direct hydraulic connection between 1I405P and 1P347I (**Figure 3**). On **October 2, 2015**, pattern injector 1P309I was turned on and set to deliver 5 gpm. Four days later on **October 6, 2015**, MU-104 data was downloaded revealing no significant change in water level other than what was attributable to barometric pressure fluctuation (**Figure 3**).

On **October 7 and 22, 2015**, EHS personnel sampled MU-104 for routine chemical analysis. The results indicated that the three indicator parameters, chloride, alkalinity and specific conductance, were all less than their respective UCLs, thus indicating that the excursion fluids residing in the lower KM Horizon had been adequately remediated (**Figures 4**, **5** and **6**).

Follow-up Action Item

Finally, given the established direct hydraulic connection that exists between the HJ Horizon and the underlying KM Horizon via the well annulus of MU-104, it begs the question as to whether this monitor well is serving the intended purpose or whether it should be abandoned and replaced.

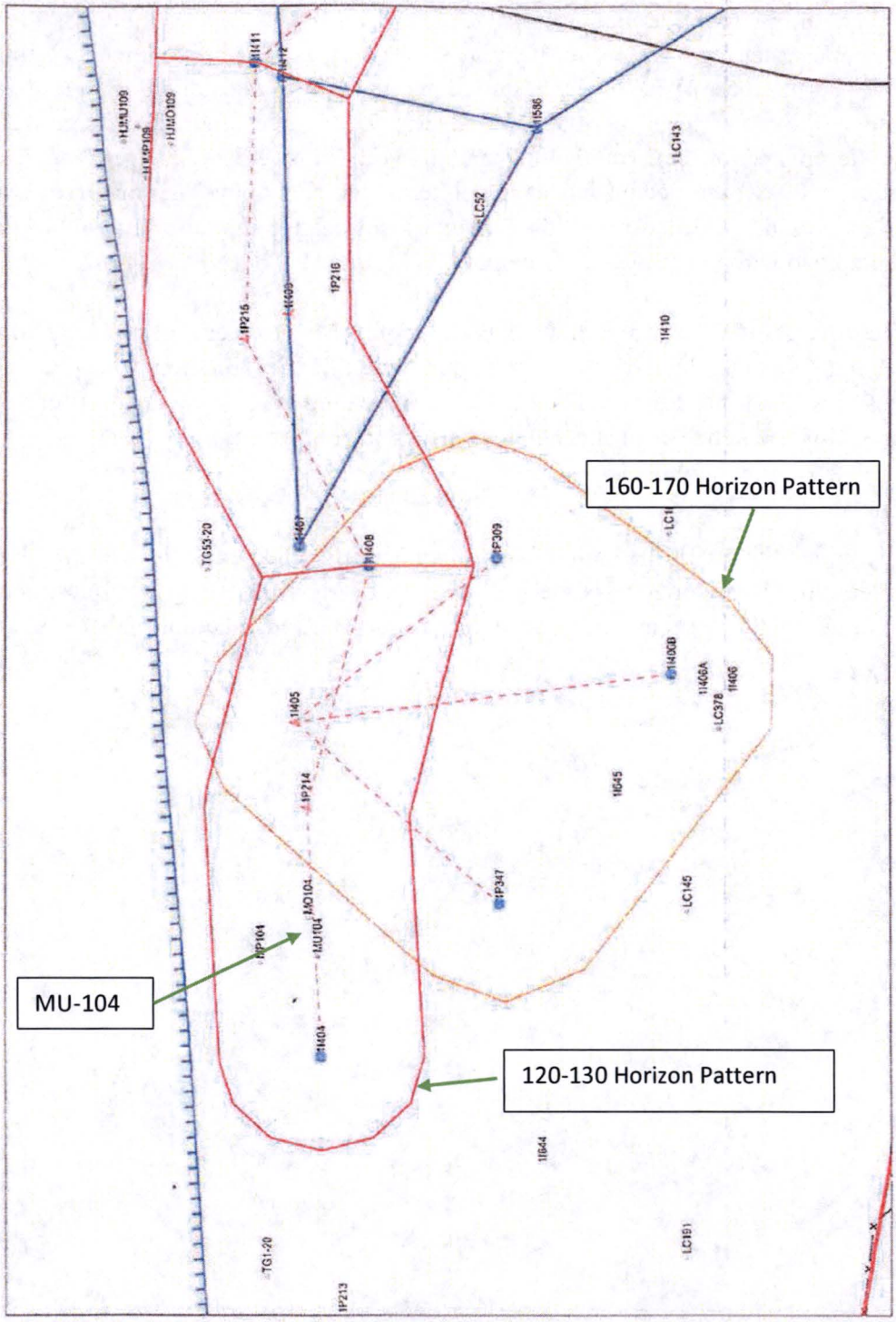

Figure 1 – HH1-10 Patterns South of the Lost Creek Fault

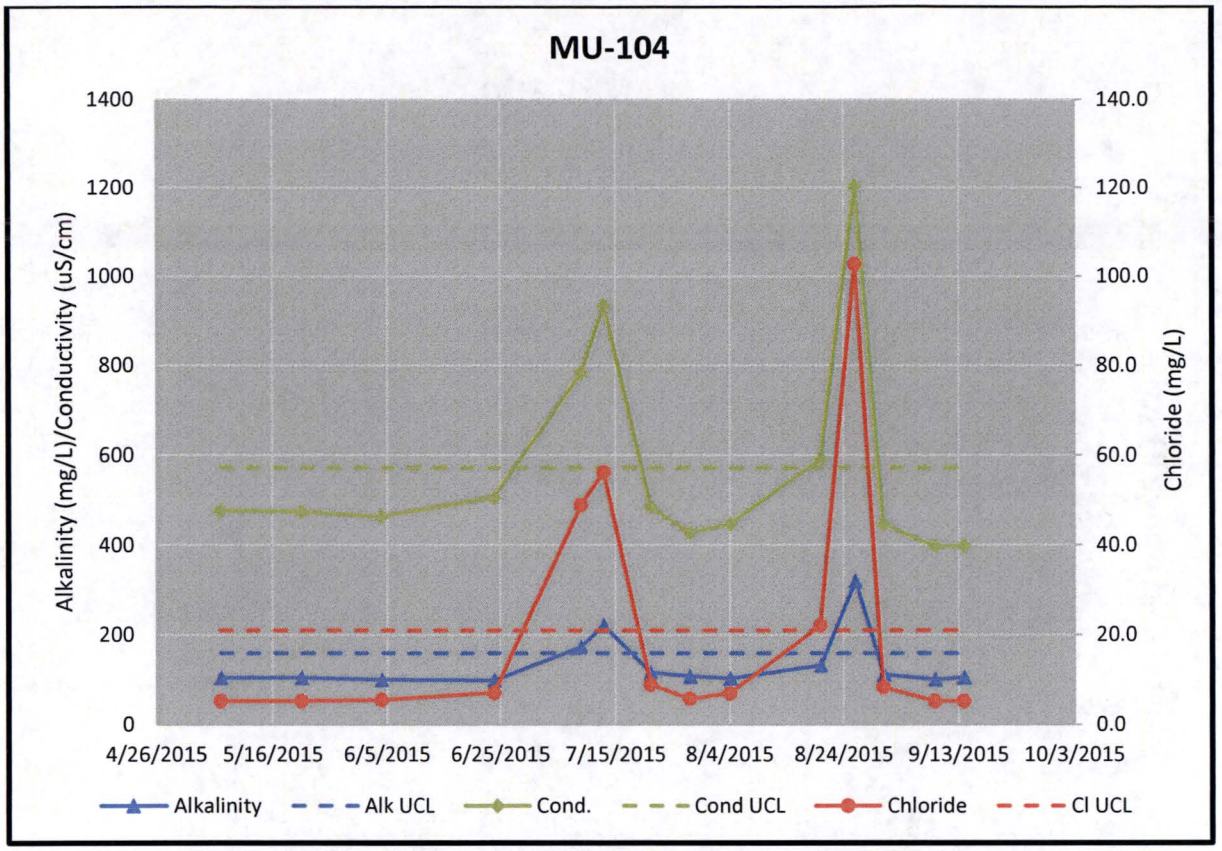

Figure 2 – MU-104 Analytical Data Plots Prior to Corrective Action

Collection Date	Alkalinity (mg/L)			Chloride (mg/L)			Sp. Cond. (µS/cm)		
	Assay	LQD-UCL	% Diff	Assay	LQD-UCL	% Diff	Assay	LQD-UCL	% Diff
1/8/2015	102	159	-36	5.7	21	-73	455	572	-21
1/21/2015	102	159	-36	5.4	21	-74	419	572	-27
2/4/2015	102	159	-36	5.2	21	-75	431	572	-25
2/19/2015	103	159	-35	5.7	21	-73	474	572	-17
3/9/2015	101	159	-37	5.4	21	-74	477	572	-17
3/27/2015	104	159	-34	5.4	21	-74	461	572	-19
4/10/2015	108	159	-32	6.0	21	-71	484	572	-15
4/22/2015	104	159	-35	6.0	21	-71	472	572	-18
5/7/2015	105	159	-34	5.3	21	-75	477	572	-17
5/21/2015	105	159	-34	5.3	21	-75	474	572	-17
6/4/2015	100	159	-37	5.5	21	-74	464	572	-19
6/24/2015	99	159	-38	7.1	21	-66	507	572	-11
7/9/2015	174	159	9	48.9	21	133	783	572	37
7/13/2015	221	159	39	56.2	21	168	934	572	63
7/21/2015	116	159	-27	9.0	21	-57	486	572	-15
7/28/2015	108	159	-32	5.8	21	-72	428	572	-25
8/4/2015	103	159	-35	7.0	21	-67	448	572	-22
8/20/2015	133	159	-16	22.1	21	5	592	572	3
8/26/2015	320	159	101	102.8	21	389	1204	572	110
8/31/2015	112	159	-30	8.4	21	-60	447	572	-22
9/9/2015	101	159	-37	5.3	21	-75	398	572	-30
9/14/2015	105	159	-34	5.3	21	-75	398	572	-30

Table 1 – MU-104 Analytical Results Prior to Corrective Action

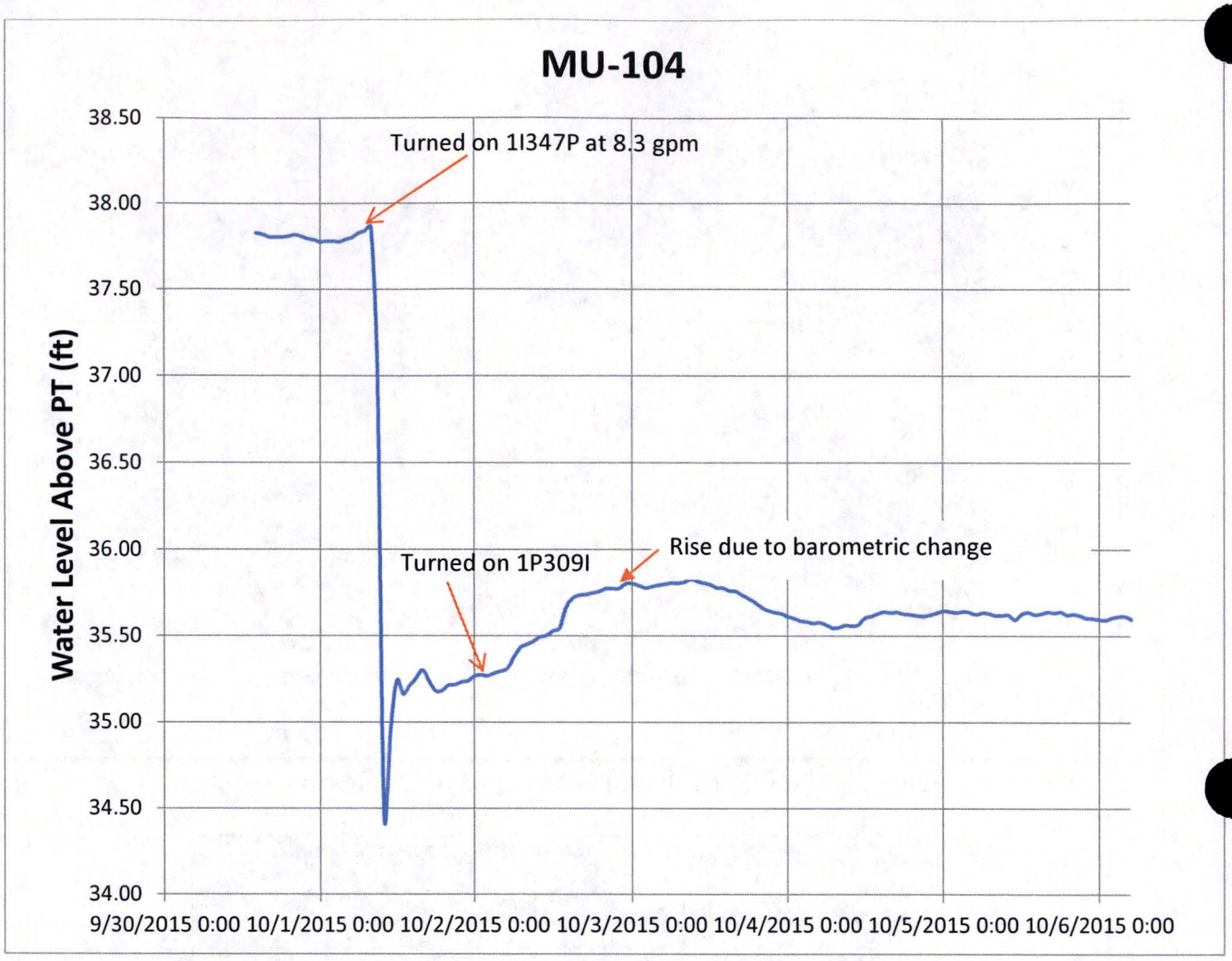

Figure 3 – Water Level Response after Corrective Action

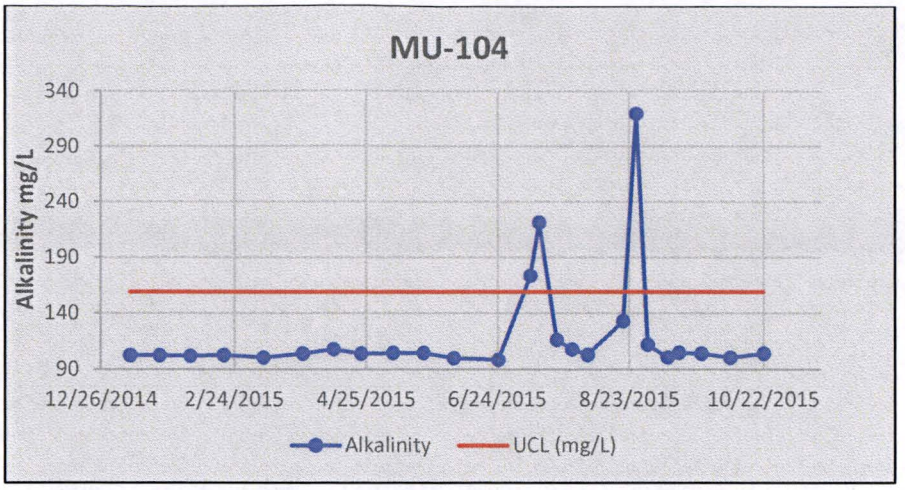

Figure 4 – Alkalinity Plot following 10/1/2015 Corrective Action

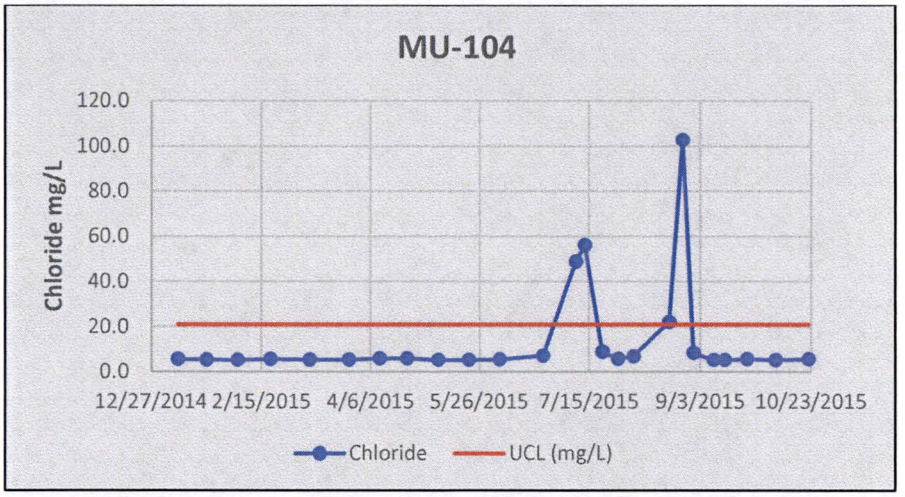

Figure 5 – Chloride Plot following10/1/2015 Corrective Action

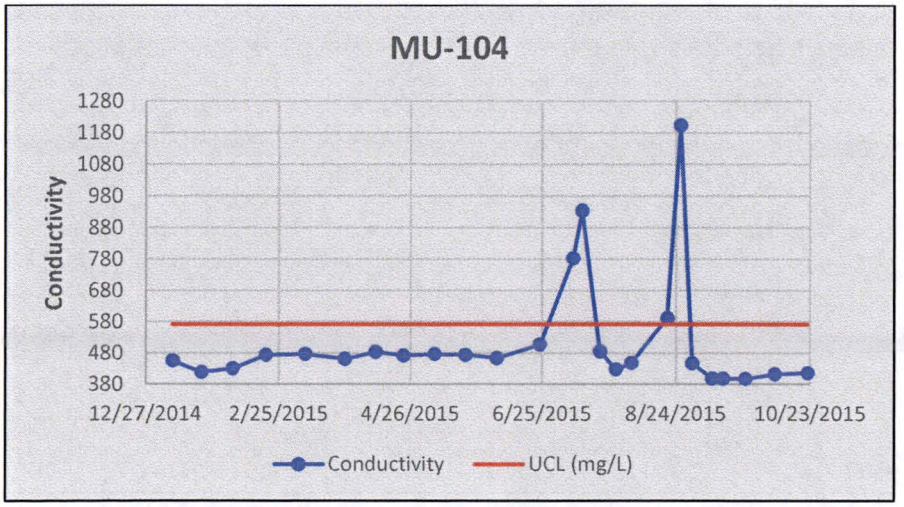

Figure 6 – Conductivity Plot following 10/1/2015 Corrective Action