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Rico Surface Water Sampling
Supplemental Surface Water Quality Monitoring
Rico, Colorado
Data Summary Report

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1.0 Introduction

In accordance with the Rico Sampling and Analysis Plan for Supplemental Surface Water Quality Monitoring at Rico, CO prepared by AECOM, dated November 2010, the surface water sampling event was completed on November 26 – 30, 2012. Sampling was completed by Anderson Engineering Co. Inc., by technicians who are familiar with the Rico sites and the BP Control of Work Management System. Surface water samples were collected from prescribed locations within the St. Louis settling pond system and at the system discharge (DR-6) to the Dolores River (collectively referred to as the St. Louis pond system), and previously sampled locations along the Dolores River above, at and below the St. Louis pond system. Figures 1, 2, and 3 in Appendix A illustrates the locations of the various points sampled monthly. Sample results have been summarized and laboratory analytical results are attached with quality control documentation.

2.0 Field Sampling

2.1 Sampling Frequency

The sampling period represented by this sampling event is for the month of November of 2012. Sampling will be performed on a monthly basis until at least December of 2012.

2.2 Water Quality and Flow Measurement Sampling Locations

Surface water and groundwater samples were collected from the locations described on Table 1 and shown on Figures 1, 2, and 3 in Appendix A. In the fall of 2011, twelve (12) new monitoring wells were drilled in the vicinity of the recently constructed interim drying facility. Beginning November 2011, those wells were sampled and will continue to be sampled monthly along with the other sampling locations mentioned. In the fall of 2012, eight (8) new monitoring wells were drilled throughout the St. Louis Ponds site. Beginning November 2012, those wells were sampled and will continue to be sampled monthly along with the other sampling locations mentioned. Additionally, eight (8) historic groundwater wells are sampled on a monthly basis.

The Dolores River was sampled above the St. Louis pond system, and below the adit outfalls downstream of the reclaimed Silver Swan Mine area. The river was also sampled at the USGS gaging station downstream of the Silver Swan site.

TABLE 1 - Sample Location Descriptions

SITE ID	SITE LOCATION / DESCRIPTION
Surface Water Locations	
DR-1	Cross-section on the Dolores River approximately 1000 feet North of Pond 18.
DR-2	Cross-section on the Dolores River approximately 150 feet North of the system outfall.
DR-3	St. Louis Tunnel discharge at adit entrance. Sampling location is at the parshll flume located approximately 50 ft west of the cinder block structure at the former adit entrance.

DR-4	Discharge of Pond 15. The sampling location is at the outlet of the upper discharge pipe located on the midpoint of the Pond 15 south embankment.
DR-5	Discharge of Pond 8. The sampling location is at the inlet of the discharge spillway located at the southwest corner of Pond 8.
DR-6	St. Louis settling ponds system outfall to the Dolores River (previous permit Outfall 002). Sample location is at installed 9" parshall flume.
DR-7	Dolores River below St. Louis settling ponds system outfall. Sampling/flow measurement location is located just off the entrance road to the St. Louis ponds site where the Dolores River is adjacent to the entrance road. The site is located approximately 75 feet downstream of a large bend in the river that first brings the Dolores adjacent to the entrance road.
DR-4-SW	Dolores River below Silver Swan. Sampling/flow measurement location is on the Dolores River below the Silver Swan site just downstream of a bend in the river and below a cemetery on the east bank.
DR-G	Located approximately 3.5 miles downstream of the Silver Swan site, at the USGS gauging station #09165000 immediately downstream of the bridge at this location.
Groundwater Locations	
GW-1	Well is located on the north end of the site, approximately 1000 feet north of the northern edge of Pond 18 and about 75 feet northeast of DR-1
GW-3	Located approximately 200 feet north of the northern edge of pond 18, and approximately 60 feet west of the main access road.
GW-4	Located on the western flood dike of Pond 18, approximately midway along the dike.
GW-5	Located on the northern edge of the former Pond 17 area, or on the northern dike of the newly constructed drying cell 1.
GW-6	Located on the middle of the former Pond 17 area, or on the western edge of the south dike of the newly constructed drying cell 1.
GW-7	Located on the eastern edge of the access road directly across from the former Pond 17, or directly across from the newly constructed drying cell 2.
EB-1	Located on the northern edge of the former Pond 17 area, or on the northern dike of the newly constructed drying cell 1. It is within ten feet of GW-5.
EB-2	Located on the southern portion of the former Pond 16 area, or on the western edge of the south dike of the newly constructed drying cell 3.
MW-1 Shallow MW-1 Deep	Both wells are located about 4 feet apart on the western embankment of Pond 13 at the division between Pond 11 and Pond 12.
MW-2 Shallow MW-2 Deep	Both wells are located about 4 feet apart on the western flood embankment of Pond 12, about mid-way along the pond.
MW-3 Shallow MW-3 Deep	Both wells are located about 4 feet apart on the western flood embankment of Pond 15, on the southern half of the embankment.
MW-4 Shallow MW-4 Deep	Both wells are located about 4 feet apart on the southern embankment of Pond 13, approximately 60 west of the main east access road.
MW-5 Shallow	Both wells are located about 4 feet apart on the western dike of drying cell 3 (refer to Figure 2).

MW-5 Deep	
MW-6 Shallow MW-6 Deep	Both wells are located about 4 feet apart on northern embankment of Pond 13, approximately 75 feet west of the main east access road
MW-101	Well is located approximately 200 feet south of the lime plant building in the large open clearing within the St. Louis Road loop.
MW-102	Well is located approximately 150 feet southeast of well GW-7 at the point that the access road splits in two directions.
MW-103	Well is located at the southwest corner of Pond 7 on the flood control dike adjacent to the Dolores River.
MW-104	Well is located approximately midway along the west flood control dike of Pond 9.
MW-202	Well is located approximately 25 feet southeast of the cinder block structure at the former adit entrance.
MW-204	Well is located approximately 200 feet east of the cinder block structure at the former adit entrance, adjacent to the collapsed tunnel.
P13-102	Well is located at approximately the southeast end of the newly constructed dike at the southwest corner of Pond 13.
P13-103	Well is located approximately midway along the newly constructed dike at the south corner of Pond 13.
AT-2	Angle borehole casing is located approximately 220 feet east of the cinder block structure at the former adit entrance, adjacent to the collapsed tunnel.

2.3 Sampling Station Conditions and Desctiptions

The sampling requirements and stations are described in detail below, as well as the conditions at each station for this sampling period:

DR-1. Sampling location fully accessible. Sample collected per protocols identified in the Sampling and Analysis Plan (SAP). Flow measurement was collected by flowmeter per protocols identified in the SAP.

DR-2. Sampling location fully accessible. Sample collected per protocols identified in the SAP. Flow measurement was collected by flowmeter per protocols identified in the SAP.

DR-3. Flow measurement by an installed 9” flume and water level measurement devices at the sampling location.

DR-4. Sampling location fully accessible. Sample collected per protocols identified in the SAP. Flow measurement was estimated by water balance due to remaining dredge pipe altering flows.

DR-5. Discharge of Pond 8. Due to the shallow water and multiple paths, accurate flow measurements could not be determined for this sampling location and period. Leakage was estimated by water balance. Flows estimated by water balance and water level reading.

DR-6. Flow measurement by an installed 9” flume and water level measurement devices at the sampling location.

DR-7. Sampling location fully accessible. Sample collected per protocols identified in the SAP. Flow measurement was collected by flowmeter per protocols identified in the SAP.

DR-4-SW. Sampling location fully accessible. Sample collected per protocols identified in the SAP. Flow measurement was collected by flowmeter per protocols identified in the SAP.

DR-G. Sampling location accessible for grab sample collection only. Sample collected per protocols identified in the SAP. Flow measurement could not be obtained due to ice shelf over river preventing safe access.

Monitoring Wells. All monitoring wells were sampled by use of a bailer, and field measurements were taken at the time of sampling, per protocols identified in the SAP. Depth measurements were also taken at this time. For the November 2012 sampling period, MW-2 Shallow, MW-3 Shallow, and MW-202 were dry.

2.4 Additional Sampling Locations

Some additional locations may be sampled during a monthly sampling event that are not included in the monthly sampling routine listed in Table 1. These samples are collected by special request for use in other projects or for other purposes outside of the scope of the monthly water sampling. Samples and field parameters for these locations are collected and processed per protocols identified in the SAP and Quality Assurance Project Plan (QAPP) for surface and groundwater sampling. Since they are collected during the same time period and sent to the lab with the other samples, these additional samples are often included in the same reports received from the lab.

Additional samples collected during the November 2012 sampling period include the following locations:

- EH-5
- EH-5 POND
- EH-5A
- EH-5B
- EH-5C
- EH-5D POND
- EH-5E POND
- EH-5E INFLOW
- POND 15
- POND 15 SEEP
- CHV-101

Figures 10A and 10B in Appendix A show the approximate locations of these additional sampling locations. Locations are approximate since not all locations were surveyed. Field parameters for these locations are included in Table 3G in Appendix B. The laboratory analysis data summary for these locations is found on Table 4E in Appendix B.

2.5 Simultaneous Operations

During the month of November 2012, several other projects were occurring simultaneously at the St. Louis Ponds site.

- Construction and troubleshooting of the pilot scale wetland test was finishing up during the sampling period. This construction should have had little to no effect on the water quality in the Ponds.

- The 517 Injection test had been completed at the time of sampling. Alkaline solution of potassium carbonate was being injected into the 517 shaft during the test. Due to this project, the water quality at the St. Louis adit discharge (DR-3) and other pond system sample may potentially have been affected.

3.0 Sampling and Analysis Parameters and Methods

All samples were collected as grab samples or composite samples. Transect samples were collected as grab samples from the each compartment on the river cross-section. Samples were collected from well-mixed locations, which are representative of conditions within the flow stream or compartment. Lab-certified plastic bottles were used to collect sample water for analyses. Clean hands, dirty hands procedures were followed throughout the sampling. For quality control purposes, one duplicate sample and one field blank were included with the water samples being submitted to the laboratory for analysis.

Lab-certified plastic bottles were used to collect all water samples. Sample water was first collected in clean plastic jugs, and within 10 minutes, placed in the sampling bottles. The following sample bottles were used for collection and analysis (all samples collected without filtration unless otherwise indicated):

- One (1) 500mL HDPE bottle, unpreserved, for alkalinity, Total Dissolved Solids (TDS), Total Suspended Solids (TSS), chloride and sulfate analysis
- One (1) 250mL HDPE bottle, unpreserved, for salinity analysis
- One (1) 250mL HDPE bottle, preserved with HNO_3, for total metals, silica, and water hardness analysis
- One (1) 250mL HDPE bottle, preserved with HNO_3, for dissolved metals analysis. This sample is filtered in the field through a 0.45µm filter.
- One (1) 250mL HDPE bottle, preserved with HNO_3, for potentially dissolved metals analysis
- One (1) 250 mL HDPE bottle, preserved with NaOH and Zn Acetate, for sulfide analysis.
- One (1) 250 mL HDPE bottle, preserved with NaOH, for cyanide analysis
- One (1) 250 mL amber glass bottle, preserved with H_2SO_4, for Total Organic Carbon (TOC) and nitrate analysis

Field parameters were measured at the time of sample collection. Field measurement data for pH, temperature, electrical conductivity, dissolved oxygen, and Oxydation-Reduction Potential were recorded using a Hanna Instruments HI 9828 Multiparameter Meter, and results were logged in the field log book. Results of field measurements for all samples collected on site can be found in Appendix B. Weather parameters including temperature and precipitation were obtained and documented in the Daily Toolbox Meeting Record.

During the November 2012 water sampling event, composite water samples were collected at Dolores River cross sections DR-1, DR-2, DR-7, and DR-4-SW, and discrete transect samples were collected at DR-7. The samples were collected in accordance with the procedures outlined in Section 8.2 of the Collection of Cross-Channel Surface Water Samples SOP, found in Appendix L. Each cross section was divided up into several compartments as determined by on-site sampling technicians. Field parameters and flowrates were collected at each compartment. An individual aliquot was also collected at each

compartment and combined into a composite sample. An individual grab sample was also collected at each compartment for the transect samples. All samples were handled and analyzed per protocols identified in the SAP. A summary of the field parameters and flowrates for the composite and transect samples can be found in Tables 3B, 3C, 3D, 3E, and 3F of Appendix B.

All sample bottles were labeled to identify sample number, date and time of collection, type of analysis, and appropriate preservative. In addition, sample analysis/chain of custody forms were completed and processed at the time of sample collection. Original chain of custody forms are signed, dated, and placed in the sample container prior to sealing the container for shipment.

Water samples were kept in cooled containers and sent to the analytical laboratory. Samples were submitted to Pace Analytical Laboratories in Lenexa, Kansas for analysis by analytical procedures listed on Table 2. Analysis was performed according to methods specified in 40 CFR, Part 136 or other methods approved by the EPA. Laboratory methods and reporting limits for all parameters are presented in Table 2. Laboratory results and supporting documentation including quality assurance results are contained in the Appendix C and Appendix D of this report. Results are summarized in Tables 4A, 4B, 4C, and 4D in Appendix B of this report.

TABLE 2 - Analytical Procedures Summary

PARAMETER	DETECTION LIMIT (MDL)	REPORTING LIMIT (RL)	METHOD
FIELD PARAMETERS			
Dissolved Oxygen (ppm)	+/- 1.5% of reading	+/- 1.5% of reading	SM 4500-OG
Electrical Conductivity (mS/cm)	+/- 1% of reading	+/- 1% of reading	EPA 120.1
Temperature (°C)	+/- 0.15° C	+/- 0.15° C	Standard Method 2550
ORP (Oxidation Reduction Potential, mV)	+/- 1.0 mV	+/- 1.0 mV	Ag/AgCl Probe
pH (Standard pH Units)	+/- 0.02 pH	+/- 0.02 pH	EPA 150.2
NON-METALS			
Alkalinity (mg/L as $CaCO_3$)	20 mg/L	20 mg/L	SM 2320B
Chloride (mg/L)	1.0 mg/L	1.0 mg/L	EPA 300.0
Cyanide (μg/L as CN)	0.0021 mg/L	0.005 mg/L	SM 4500-CN-E
Hardness (mg/L as $CaCO_3$)	0.036 mg/L	0.071 mg/L	SM 2340B
Nitrogen, NO2 plus NO3 (mg/L)	0.022 mg/L	0.1 mg/L	EPA 353.2
Salinity (mg/L as dissolved solids)	6 mg/L	6 mg/L	SM 2510B (calculated)
Silica	0.027 mg/L	0.054 mg/L	EPA 200.8
Sulfate (mg/L as SO4)	0.15 mg/L	1.0 mg/L	EPA 300.0
Sulfides (mg/L)	0.018 mg/L	0.05 mg/L	4500-S-2 D
Total Dissolved Solids (mg/L as TDS)	5.0 mg/L	5.0 mg/L	SM 2540C
Total Organic Carbon (mg/L)	0.072 mg/L	0.5 mg/L	SM 5310C
Total Suspended Solids (mg/L as TSS)	5.0 mg/L	5.0 mg/L	SM 2540D
TOTAL, DISSOLVED, AND POTENTIALLY DISSOLVED METALS*			
Aluminum (μg/L as Al)	2.00 μg/L, 6.35 μg/L	4 μg/L, 50 μg/L	EPA 200.8, EPA 200.8
Antimony (μg/L as Sb)	0.100 μg/L, 0.03 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Arsenic (μg/L as As)	0.138 μg/L, 0.05 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Barium (μg/L as Ba)	0.150 μg/L, 0.08 μg/L	0.3 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Beryllium (μg/L as Be)	0.092 μg/L, 0.05 μg/L	0.2 μg/L, 0.5 μg/L	EPA 200.8, EPA 200.8
Cadmium (μg/L as Cd)	0.028 μg/L, 0.05 μg/L	0.08 μg/L, 0.5 μg/L	EPA 200.8, EPA 200.8
Calcium (μg/L as Ca)	10.000 μg/L, 10.35 μg/L	20 μg/L, 100 μg/L	EPA 200.8, EPA 200.7
Chromium (ug/l as Cr)	0.094 μg/L, 0.07 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Cobalt (ug/l as Co)	0.250 μg/L, 0.08 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Copper (μg/L as Cu)	0.184 μg/L, 0.12 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Iron (μg/L as Fe)	10.00 μg/L, 2.95 μg/L	50 μg/L, 50 μg/L	EPA 200.8, EPA 200.8
Lead (μg/L as Pb)	0.018 μg/L, 0.03 μg/L	0.1 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Magnesium (μg/L as Mg)	2.31 μg/L, 6.48 μg/L	5 μg/L, 50 μg/L	EPA 200.8, EPA 200.7
Manganese (μg/L as Mn)	0.250 μg/L, 0.14 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Mercury (μg/L as Hg)	0.1 μg/L, 0.053 μg/L	0.2 μg/L, 1 μg/L	EPA 245.1, EPA 245.1
Molybdenum (μg/L as Mo)	0.069 μg/L, 0.12 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Nickel (μg/L as Ni)	0.151 μg/L, 0.07 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Potassium (μg/L as K)	5.24 μg/L, 44.38 μg/L	20 μg/L, 500 μg/L	EPA 200.8, EPA 200.7
Selenium (ug/l as Se)	0.094 μg/L, 0.14 μg/L	0.5 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Silver (ug/L as Ag)	0.040 μg/L, 0.01 μg/L	0.5 μg/L, 0.5 μg/L	EPA 200.8, EPA 200.8
Sodium (μg/L as Na)	10.40 μg/L, 21.68 μg/L	50 μg/L, 500 μg/L	EPA 200.8, EPA 200.7
Thallium (μg/L as Tl)	0.019 μg/L, 0.02 μg/L	0.1 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Vanadium (μg/L as V)	0.037 μg/L, 0.11 μg/L	0.1 μg/L, 1 μg/L	EPA 200.8, EPA 200.8
Zinc (μg/L as Zn)	1.00 μg/L, 1.04 μg/L	5 μg/L, 10 μg/L	EPA 200.8, EPA 200.8

*Limits and methods for metals displayed in following format: Total and Dissolved Metals, Potentially Dissolved Metals

4.0 Flow Measurement Methods

Flow velocity measurements were taken at the river sampling locations where accessible. Flow measurements were not collected at areas where ice and snow buildup or high, fast flows prohibited safe access. The flow measurements obtained this sampling period are described in Section 2.3. Flowrates were measured for sampling locations DR-1, DR-2, DR-3, DR-6, DR-7, and DR-4-SW. Refer to Figures 4 through 9 in Appendix E for Dolores River cross sections. The flowrates are presented on Table 3A in Appendix B.

Flow velocity measurements collected during this sampling event were taken by use of a Global Water Flow Probe FP211 portable flow meter at stations DR-1, DR-2, DR-7, and DR-4-SW using the six-tenths-depth method. This method uses the velocity at six-tenths of the depth as the mean velocity. This method is generally reliable between depths from 0.3 feet to 2.5 feet. Stream sections were selected with the desired characteristics of parallel flows, smooth streambed with minimal obstructions, a straight channel, and a flat streambed. The stream section, perpendicular to the flow was measured in feet. The width of the section was determined and divided into several sub-sections. Flow measurements of velocity (by the six-tenths-depth method) and water depth were measured at each vertical section using the Global Water Flow Probe FP211. The flow meter was set to the 5 second fixed period average mode. A minimum of three velocity readings were recorded at each vertical section. Flows were calculated for each stream section using the water depth, horizontal distance, and averaged velocity data.

The St. Louis tunnel flow (DR-3) and St. Louis pond discharge (DR-6) currently have Parshall flumes installed. Flow measurements can be determined at these flumes when the depth of flow is known at a particular point. In order to continuously monitor and measure the depth of flow, depth measurement devices were installed on May 11th, 2011 and May 12th, 2011 at both the north and south flumes. An STI Ultrasonic IRU-5180 automated water level detector was installed at the north Parshall flume. In order to obtain further flow data, an OTT PLS submersible pressure transducer was installed at the north flume in December 2011. In January 2012, it was decided that the OTT PLS would be used exclusively at the north flume to report flow data, and that the ultrasonic meter would remain only as a backup flow measurement system. This was due in large part to the stability and uniformity observed in the data from the OTT PLS, as opposed to the ultrasonic meter, which exhibited greater instability and variability in the readings that the OTT PLS. The south flume has a submersible pressure transducer called the OTT Orpheus Mini. It records deviations from a pre-programmed depth of air space from the top edge of the flume down to the water level. Knowing then the total depth of the flume, the depth of flow can be determined. The post processed data for the OTT PLS, the STI Ultrasonic IRU-5180, and the OTT Orpheus Mini for the month of November, 2012 are given in Appendix I, J, and K, respectively.

5.0 Analytical Results

The results of the laboratory analysis are summarized on Tables 4A through 4D in Appendix B. The data is organized by sample location. Table 4C includes the results from the composite water samples collected at locations DR-1, DR-2, DR-7, and DR-4-SW. Table 4D includes the results from the transect samples

collected at DR-7. The Pace Lab reports for all results are contained in Appendix C.

6.0 Quality Control

In addition to the standard laboratory Quality Control (QC), field QC samples for this sampling event included a field duplicate and a Field Blank (FB).

6.1 Field QC

A field duplicate water sample was collected from sample location DR-3. During sample collection, the duplicate sample bottles were filled simultaneously from the discharge stream of water. The duplicate sample was submitted to the analytical laboratory with the label of DR-8, so as to serve as a "blind duplicate."

Table 5 compares the analytical results for total metals portion from DR-3 and DR-8 and presents the Relative Percent Difference (RPD). The RPD for aqueous samples should be +/- 20%. All comparative values were within +/-20% with the exception of dissolved beryllium, dissolved lead, and dissolved nickel.

TABLE 5 – Relative Percent Difference (RPD) of Lab Analysis Between DR-3 and Duplicate Sample DR-8

Analyte	Total Metals		RPD (%)	Dissolved Metals		RPD (%)	Potentially Dissolved Metals		RPD (%)
	DR-3 (µg/L)	DR-8 (µg/L)		DR-3 (µg/L)	DR-8 (µg/L)		DR-3 (µg/L)	DR-8 (µg/L)	
Aluminum	739	691	-6.71	36.8	36.5	-0.82	684	691	1.02
Antimony	<0.50	<0.50	-	<0.50	<0.50	-	0.29J	0.31J	-
Arsenic	1.6	1.5	-6.45	<0.50	<0.50	-	1.4	1.3	-7.41
Barium	20.6	19.6	-4.98	20.2	21.0	3.88	19.7	20.1	2.01
Beryllium	0.97	0.94	-3.14	0.35	0.44	22.78	0.75	0.74	-1.34
Cadmium	16.8	16.3	-3.02	15.5	15.9	2.55	15.7	16.0	1.89
Calcium	253000	226000	-11.27	231000	245000	5.88	226000	215000	-4.99
Chromium	0.79	<0.50	-	0.80	<0.50	-	1.2	0.97J	-
Cobalt	2.7	2.7	0.00	3.3	2.8	-16.39	2.4	2.4	0.00
Copper	157	152	-3.24	8.2	9.4	13.64	140	140	0.00
Iron	8200	7840	-4.49	1010	992	-1.80	7940	7990	0.63
Lead	16.2	15.4	-5.06	0.29	0.23	-23.08	17.6	17.2	-2.30
Magnesium	19300	18200	-5.87	18800	19500	3.66	19600	18500	-5.77
Manganese	1840	1660	-10.29	1720	1850	7.28	1790	1790	0.00
Mercury	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-
Molybdenum	20.6	18.9	-8.61	18.7	19.2	2.64	19.8	20.0	1.01
Nickel	4.1	3.9	-5.00	5.3	4.3	-20.83	2.0	2.1	4.88
Potassium	12000	11300	-6.01	11900	12200	2.49	11300	10400	-8.29
Selenium	<0.50	<0.50	-	<0.50	<0.50	-	<1.0	<1.0	-
Silver	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-
Sodium	11600	10600	-9.01	10500	10800	2.82	11200	10500	-6.45
Thallium	<0.10	<0.10	-	<0.10	<0.10	-	0.080J	0.072J	-
Vanadium	0.17	0.16	-6.06	<0.10	<0.10	-	<1.0	<1.0	-
Zinc	3450	3190	-7.83	2990	3050	1.99	2830	2840	0.35
Alkalinity (mg/L)	107	107	0.00	-	-	-	-	-	-
Chloride (mg/L)	<1.0	<1.0	-	-	-	-	-	-	-
Cyanide	<0.0050	<0.0050	-	-	-	-	-	-	-
Hardness	711000	639000	-10.67	-	-	-	-	-	-

Nitrogen, NO2 plus NO3 (mg/L)	<0.10	<0.10	-	-	-	-	-	-	-
Salinity (mg/L)	776	773	-0.39	-	-	-	-	-	-
Silica	18400	16800	-9.09	-	-	-	-	-	-
Sulfate (mg/L)	641	648	1.09	-	-	-	-	-	-
Sulfide (mg/L)	<0.050	<0.050	-	-	-	-	-	-	-
TDS (mg/L)	1010	1020	0.99	-	-	-	-	-	-
TOC (mg/L)	<1.0	<1.0	-	-	-	-	-	-	-
TSS (mg/L)	16.0	18.0	11.76	-	-	-	-	-	-

A Field Blank (FB) was collected by analyzing a bottle of distilled water in the field in the same manner as any other sample. The FB was analyzed for the same constituents as the other samples. The FB had concentrations below the reporting limit for all metals except for a small number of total, dissolved, and potentially dissolved metals. The pH was slightly above neutral, the Electrical Conductivity (EC) was very low, it showed a non-detectable level of alkalinity, and a non-detectable level of TDS.

6.2 Laboratory QC

The laboratory control sample (LCS), method blank, matrix spike, and matrix spike duplicate sample results were all within the established limits of concentration, percent recovery, and relative percent difference, with several minor exceptions. Please refer to the Laboratory QC Results in Appendix D for exceptions and for a full QC report.

Appendix A

Sampling Location Maps

1 NORTHERN ST. LOUIS PONDS SAMPLING LOCATIONS

SCALE - 1" = 350'

General Notes

SCALE IN FEET
0 175 350

No.	Revision/Issue	Date

BP

ANDERSON
ENGINEERING COMPANY, INC.
977 WEST 2100 SOUTH
SALT LAKE CITY, UTAH 84119
(801) 972-6222

RICO WATER SAMPLING

NORTHERN ST. LOUIS PONDS
SAMPLING LOCATIONS

RICO,
COLORADO

DRAWN BY:	MAD
ENGINEER:	MAD
APPROVED:	MAD

Project	Sheet 1
Date 22-Oct-12	
Scale 1" = 350'	

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G:\Users\AECI-ADD\Documents\22707\Rico Water Sampling\Monthly Sampling Data\November 2012\Appendices\Appendix A - Sampling Locations Maps\Nov 2012 sampling locations maps.dwg

2 SOUTHERN ST. LOUIS PONDS SAMPLING LOCATIONS

SCALE - 1" = 350'

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General Notes

SCALE IN FEET
0 175 350

No.	Revision/Issue	Date

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RICO WATER SAMPLING

SOUTHERN ST. LOUIS PONDS
SAMPLING LOCATIONS

RICO,
COLORADO

DRAWN BY:	MAD
ENGINEER:	MAD
APPROVED:	MAD

Project	Sheet
Date 22-Oct-12	2
Scale 1" = 350'	

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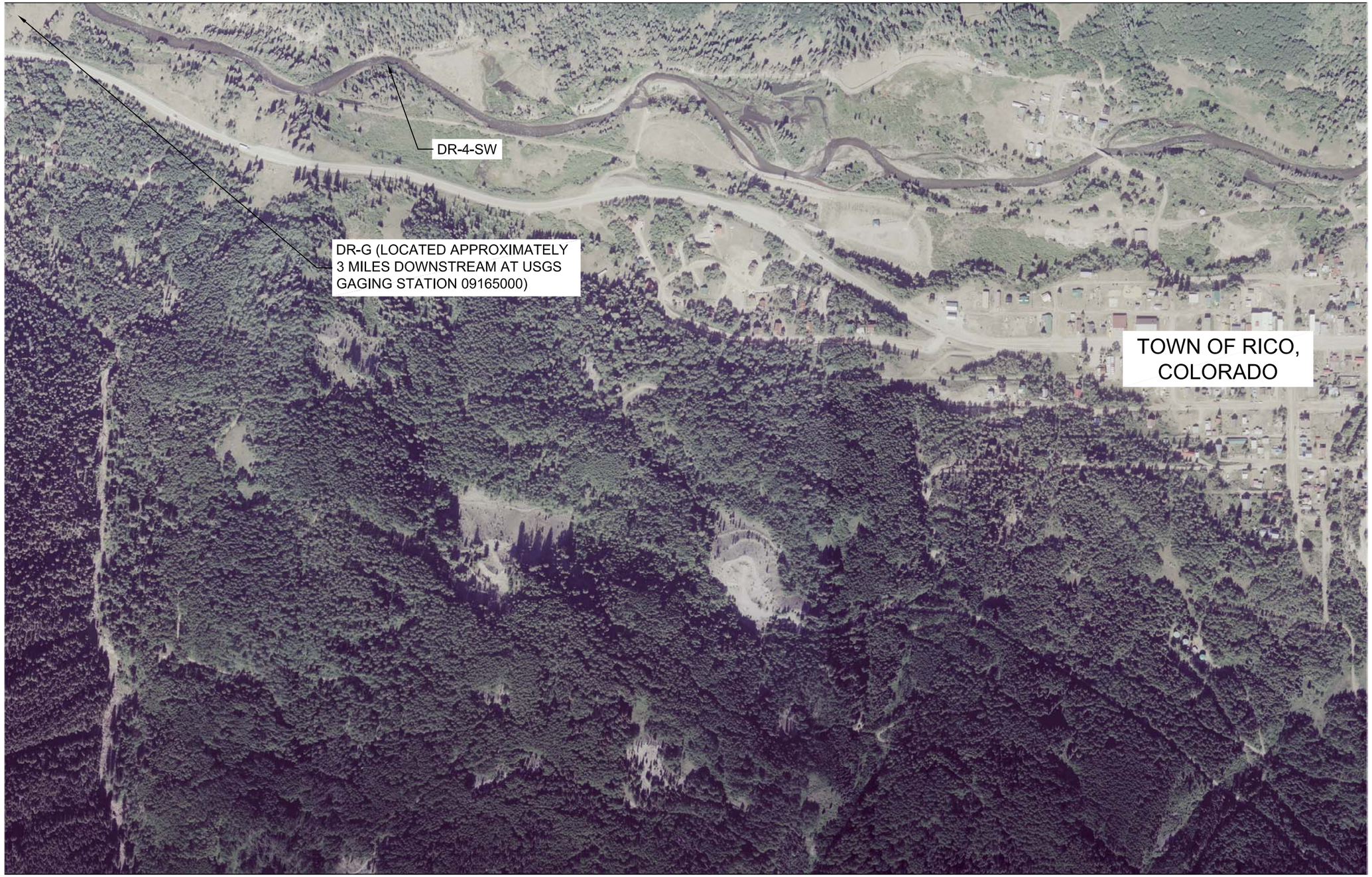

3 **SAMPLING LOCATIONS SOUTH OF RICO, CO**

SCALE - 1" = 500'

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General Notes

SCALE IN FEET
0 250 500

No.	Revision/Issue	Date

BP / ARCO

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SALT LAKE CITY, UTAH 84119
(801) 972-6222

RICO SURFACE WATER SAMOPLING

SAMPLING LOCATIONS SOUTH OF RICO, CO

RICO, COLORADO

DRAWN BY:	MAD
ENGINEER:	MAD
APPROVED:	CES

Project	Sheet 3
Date 5-Apr-12	
Scale 1" = 500'	

C:\Users\AECI-MD\Documents\RICO\Rico Water Sampling\Monthly Sampling Data\November 2012\Appendices\Appendix A - Sampling Location Maps\Locations south of Rico.dwg

ADDITIONAL SAMPLE COLLECTION POINTS, NOV 2012

SCALE - 1" = 100'

General Notes

SCALE IN FEET
0 50 100

No.	Revision/Issue	Date

BP

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RICO WATER SAMPLING

ADDITIONAL SAMPLE COLLECTION LOCATIONS, NOVEMBER 2012

RICO, COLORADO

DRAWN BY:	MAD
ENGINEER:	MAD
APPROVED:	MAD

Project	Sheet 10A
Date NOV 2012	
Scale 1" = 100'	

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ADDITIONAL SAMPLE COLLECTION POINTS, NOV 2012

SCALE - 1" = 100'

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General Notes

SCALE IN FEET
0 50 100

No.	Revision/Issue	Date

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RICO WATER SAMPLING

ADDITIONAL SAMPLE COLLECTION LOCATIONS, NOVEMBER 2012

RICO, COLORADO

DRAWN BY:	MAD
ENGINEER:	MAD
APPROVED:	MAD

Project
Date NOV 2012
Scale 1" = 100'
Sheet 10B

C:\Users\AECI-MD\Documents\AECO\Rico Water Sampling\Monthly Sampling Data\November 2012\Rico 2012 extra samples.dwg

Appendix B

Data Tables

TABLE 3A - Sampling Field Data and Station Information Summary, November 2012

			Field Measurements							GPS Location (Colorado State Plane NAD83)		Flow Data			Comments
Sample Location	Date of Sample Collection	Field Technicians	pH	Temp (°C)	EC (mS/cm)	Dissolved Oxygen (ppm)	Oxydation Reduction Potential (ORP, mV)	Well Casing Elevation (ft)	Well Water Elevation (ft)	Northing	Easting	Stream Cross section area (ft^2)	Flowrate cfs	Flowrate gpm	
DR-1	11/27/2012	Mark DeFriez, Ben Loomis	8.29	2.28	0.403	6.27	-27.1	NA	NA	1389970.4600	2267573.6490	11.8	10.12	4542	Cross section on the Dolores River above St. Louis settling pond system (approximately 800 ft north of the northern edge of Pond 18). Flow measurement by flowmeter.
DR-2	11/28/2012	Mark DeFriez, Ben Loomis	8.70	0.71	0.616	6.78	-47.6	NA	NA	1386660.9610	2267971.4630	20.54	9.93	4457	Cross section on the Dolores River, approximately 150 ft north of system outfall. Flow measurement by flowmeter.
DR-3	11/27/2012	Mark DeFriez, Ben Loomis	6.80	13.81	1.389	3.20	-0.8	NA	NA	1388963.0808	2268004.6974	NA	1.33	597	St Louis adit discharge. Flow measurement by installed Parshall Flume. Water level by installed STI Ultrasonic IRU-5180 water level meter and an OTT PLS submersible pressure transducer.
DR-4	11/27/2012	Mark DeFriez, Ben Loomis	7.46	8.45	1.364	5.21	7.9	NA	NA	1388153.6284	2267799.1579	NA	1.22	548	Pond 15 discharge. Snow conditions onsite prevented safe access to collect flow measurements. Flow estimated from water balance.
DR-5	11/28/2012	Mark DeFriez, Ben Loomis	8.28	1.12	1.424	6.11	-35.6	NA	NA	1387273.4503	2268024.8524	NA	1.16	521	Pond 8 was discharging at multiple small locations as well as the spillway. Due to the shallow water and multiple paths, accurate flow measurements could not be determined for this sampling location and period. Leakage was estimated by water balance. Flows estimated by water balance and water level reading.
DR-6	11/28/2012	Mark DeFriez, Ben Loomis	8.52	0.68	2.789	5.42	-39.6	NA	NA	1386431.4984	2267964.5711	NA	1.01	453	Outfall to Dolores River. Flow measurement by installed Parshall Flume. Water level by OTT Orpheus Mini submersible pressure transducer.
DR-7	11/28/2012	Mark DeFriez, Ben Loomis	8.19	7.27	0.723	4.57	-15.2	NA	NA	1385880.1050	2267983.4510	13.6	12.51	5614	Cross section on the Dolores River, approximately 500 ft below St. Louis settling pond system outfall. Flow measurement by flowmeter.
DR-8	11/27/2012	Mark DeFriez, Ben Loomis	6.80	13.81	1.389	3.20	-0.8	NA	NA	1388963.0808	2268004.6974	NA	NA	NA	DR-8 is a duplicate sample of DR-3 (or a location of sampler's choosing). See comments for DR-3.
DR-4-SW	11/28/2012	Mark DeFriez, Ben Loomis	7.88	0.96	0.665	4.84	-14.6	NA	NA	1379176.1190	2266285.0850	11.9	10.9	4901	Cross section on the Dolores River approximately 100 below the Silver Swan site. Flow measurement by flowmeter.
DR-G	11/28/2012	Mark DeFriez, Ben Loomis	9.68	-0.25	0.733	7.00	-21.6	NA	NA	1364029.7850	2258752.9060	CNO	CNO	CNO	Cross section on the Dolores River at USGS gauging station #09165000, approximately 3.5 miles downstream of the Silver Swan site. Could not obtain flow measurements due to excessive ice buildup in River.
FB	11/27/2012	Mark DeFriez, Ben Loomis	8.57	2.48	2.000	5.40	-49.8	NA	NA	NA	NA	NA	NA	NA	Field blank
GW-1	11/27/2012	Mark DeFriez, Ben Loomis	8.22	3.97	0.347	4.85	-25.4	8840.13	8837.62	1390006.0210	2267642.6870	NA	NA	NA	Located on the north end of the site, approximately a quarter mile north of the northern edge of Pond 18.
GW-3	11/28/2012	Mark DeFriez, Ben Loomis	9.07	0.49	0.864	5.83	-49.2	8836.68	8822.86	1389221.9930	2267708.3940	NA	NA	NA	Located approximately 200 feet north of the northern edge of pond 18, and approximately 60 feet west of the main access road.
GW-4	11/27/2012	Mark DeFriez, Ben Loomis	7.98	7.72	1.445	0.33	-22.2	8826.79	8816.35	1388790.0720	2267553.5420	NA	NA	NA	Located on the western flood dike of Pond 18, approximately midway along the dike.
GW-5	11/27/2012	Mark DeFriez, Ben Loomis	7.02	9.10	2.654	0.43	-19.2	8839.52	8818.02	1388802.0650	2267911.8020	NA	NA	NA	Located on the northern edge of the former Pond 17 area, or on the northern dike of the newly constructed drying cell 1.
GW-6	11/27/2012	Mark DeFriez, Ben Loomis	6.61	9.56	2.450	1.05	-19.3	8837.45	8815.24	1388589.3950	2267922.5090	NA	NA	NA	Located on the middle of the former Pond 17 area, or on the western edge of the south dike of the newly constructed drying cell 1.
GW-7	11/27/2012	Mark DeFriez, Ben Loomis	6.66	10.67	1.500	1.25	-1.9	8840.00	8817.12	1388611.4370	2268158.0170	NA	NA	NA	GW-7 Located on the eastern edge of the access road directly across from the former Pond 17, or directly across from the newly constructed drying cell 2.
EB-1	11/27/2012	Mark DeFriez, Ben Loomis	6.67	9.34	2.313	0.70	-25.2	8839.86	8817.89	1388792.4420	2267916.9080	NA	NA	NA	Located on the northern edge of the former Pond 17 area, or on the northern dike of the newly constructed drying cell 1. It is within ten feet of GW-5.
EB-2	11/27/2012	Mark DeFriez, Ben Loomis	6.34	10.18	2.913	0.75	-44.9	8829.84	8813.21	1388306.1480	2267920.2500	NA	NA	NA	Located on the southern portion of the former Pond 16 area, or on the western edge of the south dike of the newly constructed drying cell 3.
MW-1 SHALLOW	11/27/2012	Mark DeFriez, Ben Loomis	7.44	5.99	1.328	3.01	-2.4	8810.87	8804.27	1387826.7470	2267944.5160	NA	NA	NA	Both wells are located about 4 feet apart on the western embankment of Pond 13 at the division between Pond 11 and Pond 12.
MW-1 DEEP	11/27/2012	Mark DeFriez, Ben Loomis	7.19	6.16	1.248	3.32	2.0	8810.85	8800.47	1387829.4070	2267940.5680	NA	NA	NA	
MW-2 SHALLOW	NA	Mark DeFriez, Ben Loomis	DRY					8810.23	NA	1387829.7580	2267759.0810	NA	NA	NA	Both wells are located about 4 feet apart on the western flood embankment of Pond 12, about mid-way along the pond. MW-2 SHALLOW had less than one inch of water.
MW-2 DEEP	11/27/2012	Mark DeFriez, Ben Loomis	6.92	11.68	1.331	1.42	-4.1	8810.21	8800.22	1387836.0950	2267756.0910	NA	NA	NA	
MW-3 SHALLOW	NA	Mark DeFriez, Ben Loomis	DRY					8819.57	NA	1388308.0910	2267603.5420	NA	NA	NA	Both wells are located about 4 feet apart on the western flood embankment of Pond 15, on the southern half of the embankment. MW-3 SHALLOW was dry.
MW-3 DEEP	11/27/2012	Mark DeFriez, Ben Loomis	7.17	11.02	1.344	1.37	-8.5	8819.72	8809.61	1388313.2060	2267601.6050	NA	NA	NA	
MW-4 SHALLOW	11/27/2012	Mark DeFriez, Ben Loomis	6.77	7.41	1.387	2.64	4.9	8816.83	8799.85	1387836.9670	2268221.9370	NA	NA	NA	Both wells are located about 4 feet apart on the southern embankment of Pond 13, approximately 60 west of the main east access road.
MW-4 DEEP	11/27/2012	Mark DeFriez, Ben Loomis	7.20	7.07	1.460	2.52	-2.8	8816.77	8799.85	1387839.1320	2268224.8950	NA	NA	NA	
MW-5 SHALLOW	11/27/2012	Mark DeFriez, Ben Loomis	4.04	10.53	3.124	0.44	125.3	8830.95	8814.52	1388369.7050	2267814.3980	NA	NA	NA	Both wells are located about 4 feet apart on the western dike of drying cell 3 (refer to Figure 2).
MW-5 DEEP	11/27/2012	Mark DeFriez, Ben Loomis	6.25	9.94	2.005	0.56	-38.6	8830.73	8813.55	1388374.5740	2267813.8150	NA	NA	NA	
MW-6 SHALLOW	11/27/2012	Mark DeFriez, Ben Loomis	6.47	11.02	2.076	0.61	-27.9	8830.58	8807.45	1388166.1000	2268148.1000	NA	NA	NA	Both wells are located about 4 feet apart on northern embankment of Pond 13, approximately 75 feet west of the main east access road.
MW-6 DEEP	11/27/2012	Mark DeFriez, Ben Loomis	6.90	11.03	1.334	0.59	-6.5	8830.11	8806.55	1388165.5290	2268153.3270	NA	NA	NA	
MW-101	11/27/2012	Mark DeFriez, Ben Loomis	6.43	10.91	2.631	0.09	-32.5	8845.417	8818.15	1388742.446	2268096.74	NA	NA	NA	Located east of Drying Cells 1 / 2 boundary dike, inside the St Louis Access road loop, south of the St. Louis lab bldg.
MW-102	11/27/2012	Mark DeFriez, Ben Loomis	6.84	10.82	1.240	0.95	14.3	8841.304	8817.50	1388482.836	2268230.492	NA	NA	NA	Located east of Drying Cell 4, in the St Louis Access road at the south end of the road loop.
MW-103	11/27/2012	Mark DeFriez, Ben Loomis	6.90	7.37	1.626	1.13	-25.1	8797.799	8790.81	1387371.992	2268003.338	NA	NA	NA	Located on the western flood embankment of Pond 9, approximately 175 feet south of the north west corner of Pond 9.
MW-104	11/28/2012	Mark DeFriez, Ben Loomis	7.41	4.63	1.555	4.01	-13.5	8785.598	8781.32	1390006.0210	2267642.6870	NA	NA	NA	Located on the western flood embankment between Ponds 6 and 7.
MW-202	NA	Mark DeFriez, Ben Loomis	DRY					8859.206	NA	1388999.649	2268195.978	NA	NA	NA	Located approximately 30 feet south of the remnant portal structure of the St. Louis Adit discharge.
MW-204	11/27/2012	Mark DeFriez, Ben Loomis	7.02	11.53	1.382	1.30	1.2	8865.954	8852.12	1389122.482	2268373.787	NA	NA	NA	Located west of collapsed St. Louis adit base, approximately 30 feet west of AT-2.
P13-102	11/27/2012	Mark DeFriez, Ben Loomis	6.70	8.76	2.070	0.59	-17.7	8810.643	8800.04	1387785.454	2268076.647	NA	NA	NA	Located on Pond 13 dike near southeast corner of pond.
P13-103	11/28/2012	Mark DeFriez, Ben Loomis	6.59	9.02	1.641	0.71	-27.9	8811.464	8800.58	1387856.435	2267994.083	NA	NA	NA	Located on Pond 13 causeway just north of the dike.
AT-2	11/27/2012	Mark DeFriez, Ben Loomis	7.17	15.04	1.129	0.35	-38.3	8866.21	NA	1389125.57	2268405.51	NA	NA	NA	Located outside collapsed St. Louis adit Angle borehole casing is located approximately 220 feet east of the cinder block structure at the former adit entrance, adjacent to the collapsed tunnel.

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Table 3B - DR-1 Cross Section Composite Sampling Field Data and Flow Information Summary, November 2012

			Field Measurements					GPS Location (Colorado State Plane NAD83)		Flow Data			
Sample Location	Date of Sample Collection	Field Technicians	pH	Temp (°C)	EC (mS/cm)	Dissolved Oxygen (ppm)	Oxydation Reduction Potential (ORP, mV)	Northing*	Easting*	Compartment Geometry		Average Flowrate	
										Width (ft)	Area (ft^2)	cfs	gpm
DR-1_COMPARTMENT 1	11/28/2012	Mark DeFriez, Ben Loomis	8.48	1.34	0.372	8.66	-26.2	1389968.8542	2267565.1838	7	3.65	5.13	2302
DR-1_COMPARTMENT 2	11/28/2012	Mark DeFriez, Ben Loomis	8.45	1.35	0.377	8.57	-25.3	1389967.4367	2267558.3289	7	5.30	3.88	1741
DR-1_COMPARTMENT 3	11/28/2012	Mark DeFriez, Ben Loomis	8.42	1.32	0.378	8.49	-29.6	1389966.0191	2267551.4739	7	2.80	1.11	498
DR-1_COMPOSITE	11/28/2012	Mark DeFriez, Ben Loomis	8.68	0.90	0.369	4.77	-40.2	-	-	21	11.75	10.12	4542

*Northing and easting values are estimates based on surveyed benchmark on east bank of river at this location

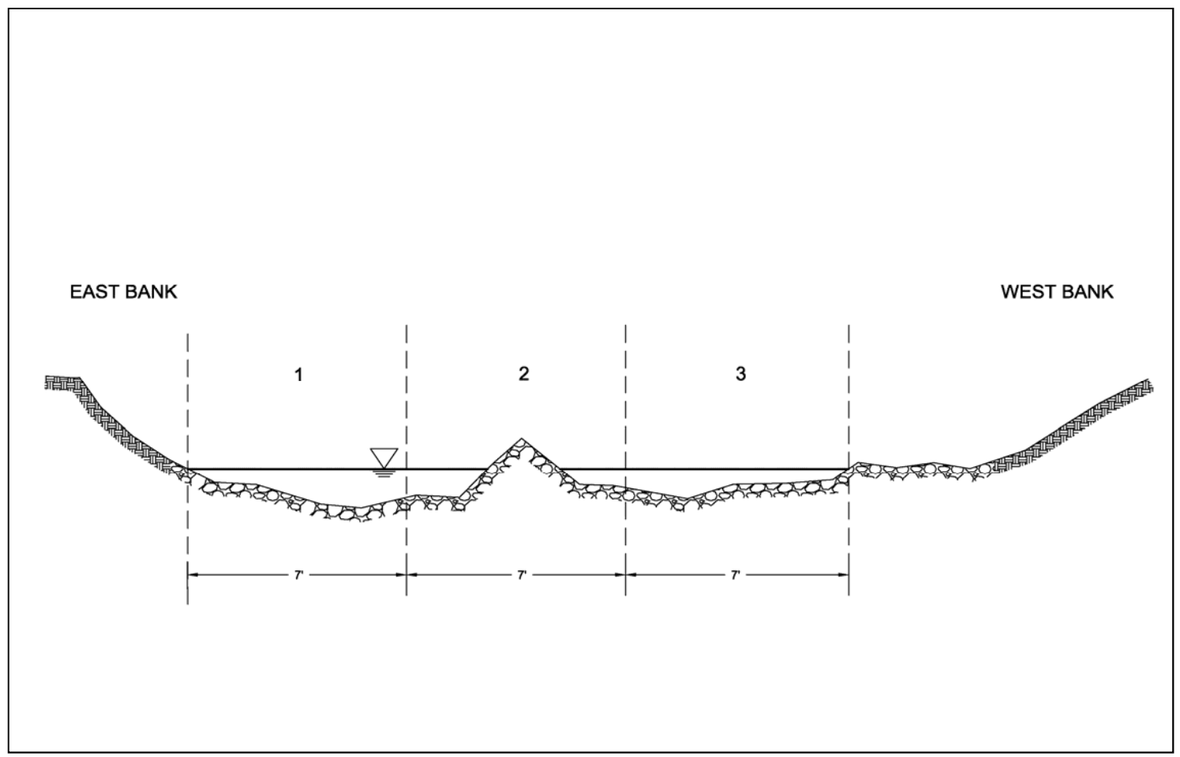

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Table 3C - DR-2 Cross Section Composite Sampling Field Data and Flow Information Summary, November 2012

			Field Measurements					GPS Location (Colorado State Plane NAD83)		Flow Data			
Sample Location	Date of Sample Collection	Field Technicians	pH	Temp (°C)	EC (mS/cm)	Dissolved Oxygen (ppm)	Oxydation Reduction Potential (ORP, mV)	Northing*	Easting*	Compartment Geometry		Average Flowrate	
										Width (ft)	Area (ft^2)	cfs	gpm
DR-2_COMPARTMENT 1	11/28/2012	Mark DeFriez, Ben Loomis	7.73	2.08	0.465	9.06	37.4	1386655.1129	2267948.2618	7	3.79	0.97	435
DR-2_COMPARTMENT 2	11/28/2012	Mark DeFriez, Ben Loomis	7.65	1.82	0.456	8.85	33.8	1386653.4064	2267941.4730	7	6.75	5.37	2410
DR-2_COMPARTMENT 3	11/28/2012	Mark DeFriez, Ben Loomis	7.58	1.87	0.478	8.59	31.7	1386651.7000	2267934.6842	7	7.55	3.36	1508
DR-2_COMPARTMENT 4	11/28/2012	Mark DeFriez, Ben Loomis	7.42	2.44	0.582	7.59	27.9	1386649.9935	2267927.8954	7	2.45	0.23	103
DR-2_COMPOSITE	11/28/2012	Mark DeFriez, Ben Loomis	7.91	7.10	0.480	5.52	2.8	-	-	28	20.54	9.93	4456.58

*Northing and easting values are estimates based on surveyed benchmark on east bank of river at this location

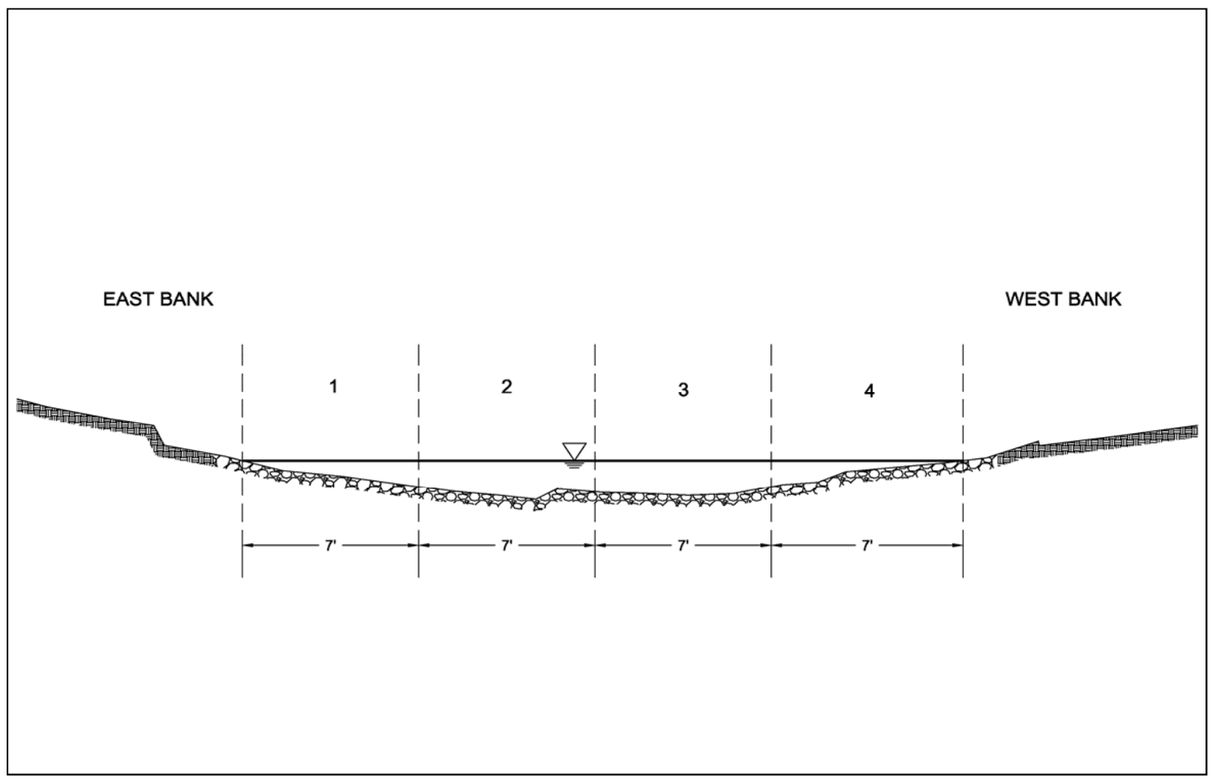

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Table 3D - DR-7 Cross Section Composite Sampling Field Data and Flow Information Summary, November 2012

			Field Measurements					GPS Location (Colorado State Plane NAD83)		Flow Data			
Sample Location	Date of Sample Collection	Field Technicians	pH	Temp (°C)	EC (mS/cm)	Dissolved Oxygen (ppm)	Oxydation Reduction Potential (ORP, mV)	Northing*	Easting*	Compartment Geometry		Average Flowrate	
										Width (ft)	Area (ft^2)	cfs	gpm
DR-7_COMPARTMENT 1	11/28/2012	Mark DeFriez, Ben Loomis	5.77	3.54	0.746	8.68	42.5	1385878.7690	2267953.6128	8	2.57	1.83	821
DR-7_COMPARTMENT 2	11/28/2012	Mark DeFriez, Ben Loomis	5.66	3.12	0.696	8.65	39.4	1385876.3917	2267945.9742	8	3.25	3.43	1539
DR-7_COMPARTMENT 3	11/28/2012	Mark DeFriez, Ben Loomis	5.65	2.91	0.656	8.58	37.0	1385874.0144	2267938.3355	8	3.25	4.48	2011
DR-7_COMPARTMENT 4	11/28/2012	Mark DeFriez, Ben Loomis	6.18	2.91	0.656	8.58	35.1	1385871.6371	2267930.6969	8	2.15	1.55	696
DR-7_COMPARTMENT 5	11/28/2012	Mark DeFriez, Ben Loomis	6.33	3.18	0.674	7.66	33.3	1385869.2599	2267923.0583	8	2.35	1.22	548
DR-7_COMPOSITE	11/28/2012	Mark DeFriez, Ben Loomis	6.76	4.34	0.660	5.03	5.8	-	-	40	13.57	12.51	5614

*Northing and easting values are estimates based on surveyed benchmark on east bank of river at this location

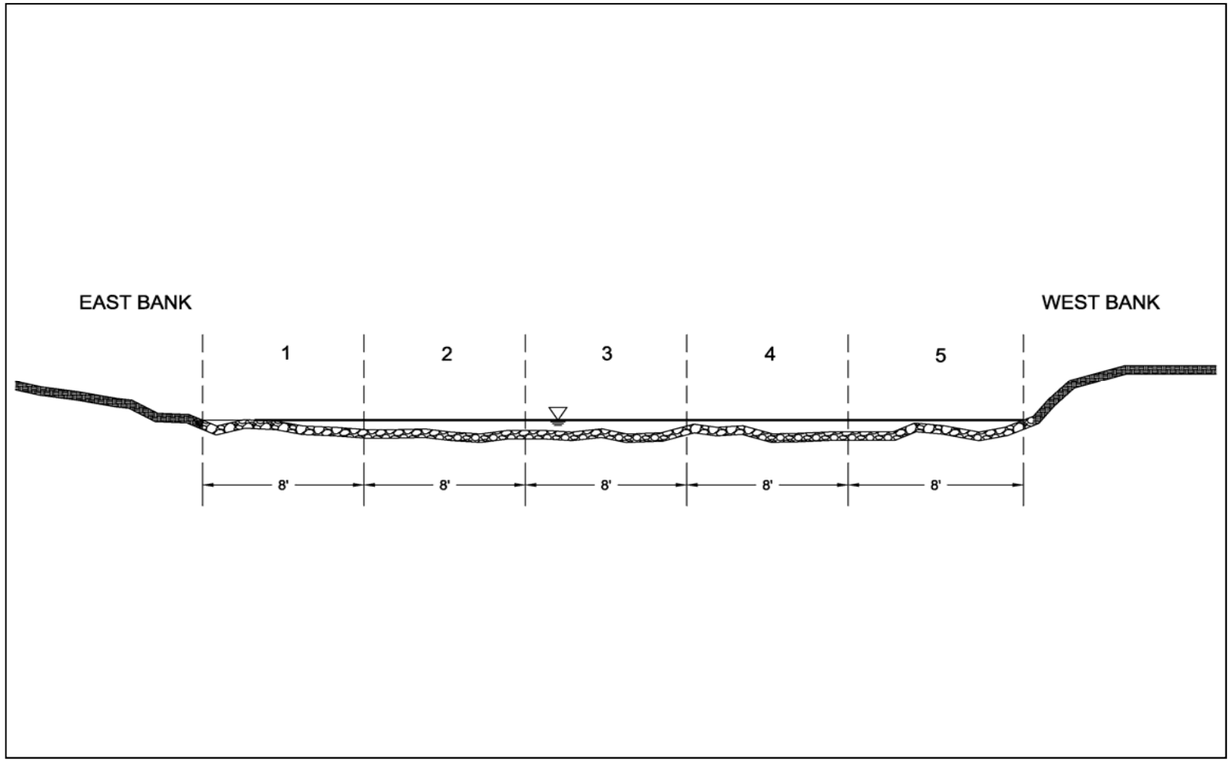

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Table 3E - DR-4-SW Cross Section Composite Sampling Field Data and Flow Information Summary, November 2012

			Field Measurements					GPS Location (Colorado State Plane NAD83)		Flow Data			
Sample Location	Date of Sample Collection	Field Technicians	pH	Temp (°C)	EC (mS/cm)	Dissolved Oxygen (ppm)	Oxydation Reduction Potential (ORP, mV)	Northing*	Easting*	Compartment Geometry		Average Flowrate	
										Width (ft)	Area (ft^2)	cfs	gpm
DR-4-SW_COMPARTMENT 1	11/28/2012	Mark DeFriez, Ben Loomis	7.94	2.83	0.667	8.20	-16.6	1379182.7403	2266270.4308	8	3.35	3.38	1517
DR-4-SW_COMPARTMENT 2	11/28/2012	Mark DeFriez, Ben Loomis	7.90	2.82	0.668	8.28	-16.8	1379186.4991	2266262.0219	8	3.35	3.23	1450
DR-4-SW_COMPARTMENT 3	11/28/2012	Mark DeFriez, Ben Loomis	7.87	2.81	0.668	8.01	-16.9	1379189.7638	2266254.7184	8	3.65	3.27	1468
DR-4-SW_COMPARTMENT 4	11/28/2012	Mark DeFriez, Ben Loomis	7.69	2.79	0.668	7.79	-16.9	1379193.0285	2266247.4148	8	1.55	1.04	467
DR-4-SW_COMPOSITE	10/31/2012	Mark DeFriez, Ben Loomis	8.20	0.57	0.683	4.87	-22.1	-	-	32	11.90	10.92	4901

*Northing and easting values are estimates based on surveyed benchmark on east bank of river at this location

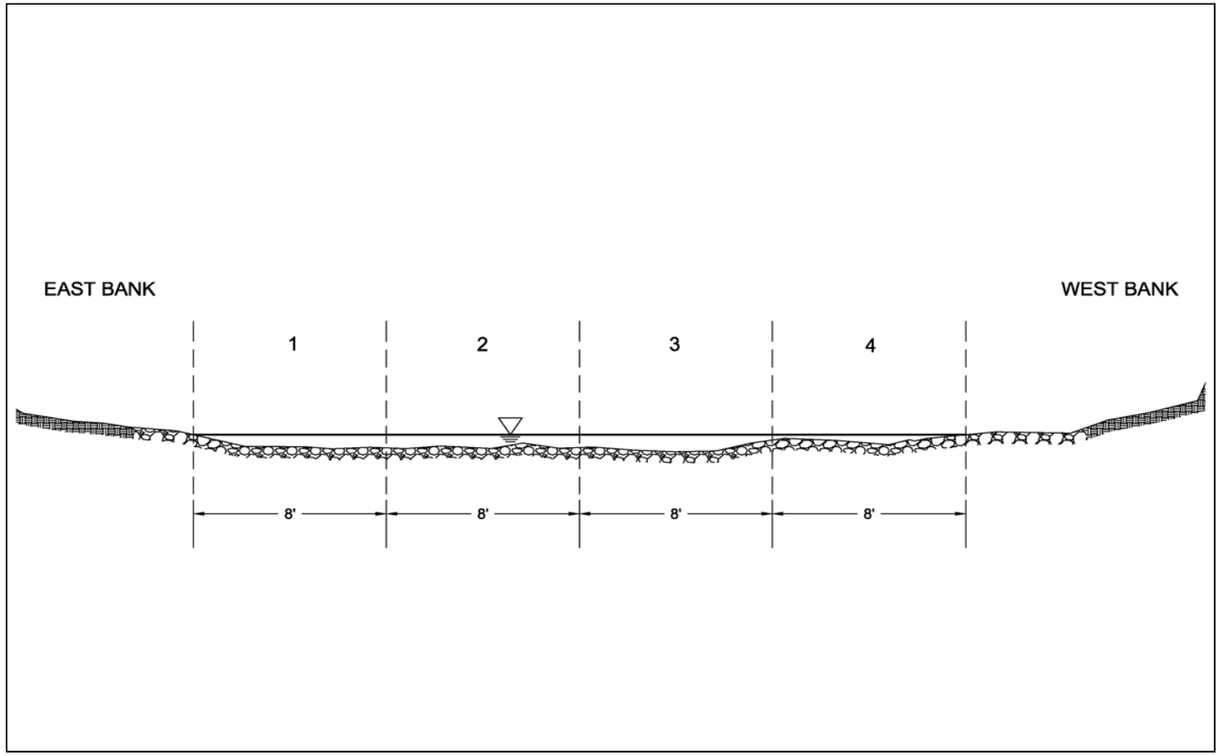

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Table 3F - DR-7 Cross Section Transect Sampling Field Data and Flow Information Summary, November 2012

			Field Measurements					GPS Location (Colorado State Plane NAD83)		Flow Data			
Sample Location	Date of Sample Collection	Field Technicians	pH	Temp (°C)	EC (mS/cm)	Dissolved Oxygen (ppm)	Oxydation Reduction Potential (ORP, mV)	Northing*	Easting*	Compartment Geometry		Average Flowrate	
										Width (ft)	Area (ft^2)	cfs	gpm
DR-7_COMPARTMENT 1	11/28/2012	Mark DeFriez, Ben Loomis	6.83	4.62	0.741	4.55	4.6	1385878.7690	2267953.6128	8	2.57	1.83	821
DR-7_COMPARTMENT 2	11/28/2012	Mark DeFriez, Ben Loomis	6.77	4.21	0.685	5.90	6.7	1385876.3917	2267945.9742	8	3.25	3.43	1539
DR-7_COMPARTMENT 3	11/28/2012	Mark DeFriez, Ben Loomis	6.77	4.08	0.642	4.38	5.8	1385874.0144	2267938.3355	8	3.25	4.48	2011
DR-7_COMPARTMENT 4	11/28/2012	Mark DeFriez, Ben Loomis	7.18	4.74	0.636	4.34	-4.8	1385871.6371	2267930.6969	8	2.15	1.55	696
DR-7_COMPARTMENT 5	11/28/2012	Mark DeFriez, Ben Loomis	6.90	5.08	0.656	4.93	1.6	1385869.2599	2267923.0583	8	2.35	1.22	548
-	-	-	-	-	-	-	-	-	-	40	13.57	12.51	5614

*Northing and easting values are estimates based on surveyed benchmark on east bank of river at this location

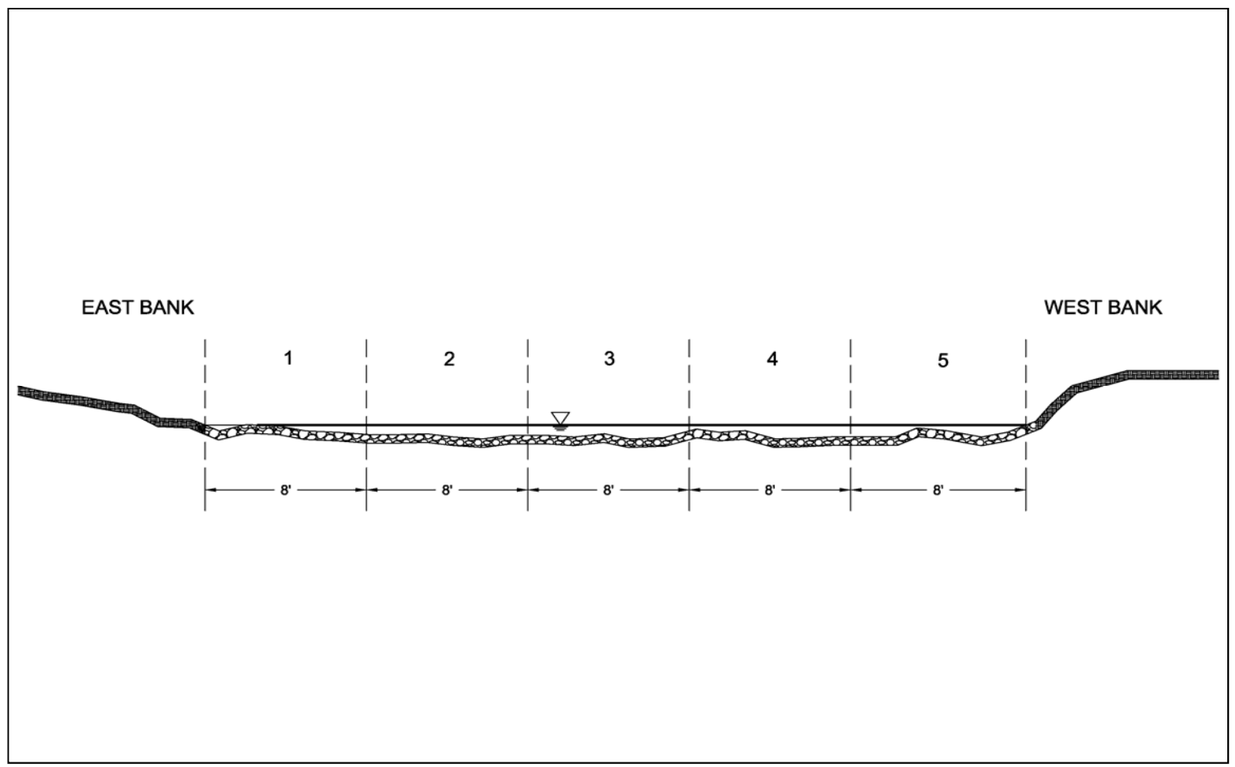

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TABLE 3G - Additional (Non-Routine) Sampling Field Data Summary, November 2012

			Field Measurements							GPS Location (Colorado State Plane NAD83)		Flow Data		Comments
Sample Location	Date of Sample Collection	Field Technicians	pH	Temp (°C)	EC (mS/cm)	Dissolved Oxygen (ppm)	Oxydation Reduction Potential (ORP, mV)	Well Casing Elevation (ft)	Well Water Elevation (ft)	Northing	Easting	Flowrate cfs	/ gpm	
EH-5	11/28/2012	Mark DeFriez, Ben Loomis	6.52	29.51	3.096	1.32	-64.4	NA	NA	1386875.9110	2267798.0030	NA	NA	Historic exploratory borehole. Borhole is discharging heated geothermal water and has formed a pool several feet deep. Water spills over and flows east down gradient to the Dolores River.
EH-5 POND	11/28/2012	Mark DeFriez, Ben Loomis	6.88	14.43	2.674	3.45	-16.2	NA	NA	1386757.8600	2267844.5450	NA	NA	Water from the EH-5 borehole flows into the EH-5 Pond, which empties into the Dolores River.
EH-5A	11/28/2012	Mark DeFriez, Ben Loomis	7.16	12.39	2.106	4.41	-39.4	NA	NA	1386705.0090	2267890.5170	0.02649	11.89	Water from the EH-5 borehole flows into the EH-5 Pond, which empties into the Dolores River. EH-5A sample collected immediately before water reaches the river.
EH-5B	11/28/2012	Mark DeFriez, Ben Loomis	6.54	5.80	0.672	4.99	-13.2	NA	NA	1386955.9620	2267894.8950	0.00186	0.834	EH-5B is a discharge stream flowing into the river just north of EH-5. Source is most likely EH-5 borehole discharge.
EH-5C	11/28/2012	Mark DeFriez, Ben Loomis	6.28	7.32	1.982	3.80	-6.9	NA	NA	1386557.2090	2267907.8850	0.00139	0.622	EH-5C is a small seep into the river from the west bank approximately 130 feet downstream of EH-5A. Exact source is unknown, but likely comes from EH-5D Pond.
EH-5D POND	11/28/2012	Mark DeFriez, Ben Loomis	7.36	8.34	0.614	3.01	-129.3	NA	NA	1386430.1140	2267756.9880	NA	NA	EH-5D Pond is a pond approximately 16,000 square feet in size located about 500 feet south of the EH-5 borehole on the west bank of the Dolores River. Sample collected from the eastern edge of pond.
EH-5E POND	11/28/2012	Mark DeFriez, Ben Loomis	7.38	9.32	0.569	4.75	-49.4	NA	NA	1386586.9450	2267713.0150	NA	NA	EH-5E Pond is a pond approximately 4,400 square feet in size located about 300 feet south of the EH-5 borehole on the west bank of the Dolores River. Sample collected from the eastern edge of pond.
EH-5E INFLOW	11/28/2012	Mark DeFriez, Ben Loomis	7.24	9.21	0.597	4.04	-99.2	NA	NA	1386665.5330	2267667.3260	NA	NA	EH-5E Inflow is a possible inflow stream for the EH-5E pond and is located at the toe of the slope of the embankment leading up to the eastern edge of highway 145. Flow velocity was too slow to measure.
POND 15	11/27/2012	Mark DeFriez, Ben Loomis	7.35	9.51	1.381	4.90	7.5	NA	NA	1388528.3329	2267590.2634	NA	NA	Sample collected from the eastern side of the western flood control dike of Pond 15 one-fourth to one-third of the length of the embankment from the north end. Sample was collected to compare with a possible seep found directly opposite this location on the western side of the flood control dike discharging into the Dolores River.
POND 15 SEEP	11/27/2012	Mark DeFriez, Ben Loomis	7.81	3.32	0.525	6.60	4.0	NA	NA	1388548.6067	2267544.6736	0.00177	0.793	Possible Pond 15 seep located on the western side of the Pond 15 western flood control dike, near the north end of the pond. Seep may possibly not be coming from Pond 15, but may just be a small offshoot of the Dolores River that diverged upstream and is emptying back into the river.
CHV-101	11/27/2012	Mark DeFriez, Ben Loomis	6.94	13.28	1.341	1.10	0.8	8858.931	8822.391	1389079.2880	2268257.5150	NA	NA	Borehole drilled in fall of 2012. Well was sampled per protocols found in the SAP, but sampling may not be required to continue. Well was designed to house a permanently placed water pressure transducer, and was not intended to be part of the routine monthly sampling.

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TABLE 4A - Surface Water Analytical Sampling Results Summary, November 2012

			Metals (µg/L)																								Non-Metals (mg/L, unless otherwise indicated)											
Field Sample ID	Date Collected	Fraction	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Alkalinity	Chloride	Cyanide	Hardness (µg/L as CaCO3)	Nitrogen, NO2 plus NO3	Salinity	Silica	Sulfate	Sulfide	TDS	TOC	TSS
DR-1	11/27/12	Total	12.1	<0.50	<0.50	71.8	<0.20	<0.080	58400	0.66	<0.50	<0.50	<50.0	0.10	7680	20.7	<0.20	0.99	<0.50	724	<0.50	<0.50	2910	<0.10	<0.10	<5.0	118	1.0	<0.0050	177000	<0.10	232	6830	68.5	<0.050	213	<1.0	<5.0
		Dissolved	5.8	<0.50	<0.50	75.6	<0.20	<0.080	55300	<0.50	<0.50	0.69	<50.0	<0.10	8320	20.2	<0.20	1.1	0.90	786	0.55	<0.50	3180	<0.10	<0.10	5.5												
		Potentially Dissolved	76.8	0.078J	0.15J	66.8	<0.50	<0.50	56000	0.79J	<1.0	0.72J	50.4	0.88J	8020	22.5	<0.20	1.2	<1.0	610	0.41J	0.10J	2900	0.055J	<1.0	8.3J												
DR-2	11/28/12	Total	18.3	<0.50	<0.50	67.0	<0.20	<0.080	88800	<0.50	<0.50	0.69	108	<0.10	10200	438	<0.20	1.5	<0.50	1350	<0.50	<0.50	4070	<0.10	<0.10	13.0	129	1.0	<0.0050	264000	<0.10	324	8500	151	<0.050	325	<1.0	<5.0
		Dissolved	9.4	<0.50	<0.50	69.8	<0.20	<0.080	90300	<0.50	<0.50	0.75	187	<0.10	10700	450	<0.20	1.6	0.83	1430	<0.50	<0.50	4290	<0.10	<0.10	14.8												
		Potentially Dissolved	9.1J	0.078J	0.22J	68.2	<0.50	<0.50	80400	0.84J	0.14J	0.52J	104	1.4	10100	454	<0.20	1.7	<1.0	1190	0.44J	0.076J	3880	0.065J	<1.0	15.7												
DR-3	11/27/12	Total	739	<0.50	1.6	20.6	0.97	16.8	253000	0.79	2.7	157	8200	16.2	19300	1840	<0.20	20.6	4.1	12000	<0.50	<0.50	11600	<0.10	0.17	3450	107	<1.0	<0.0050	711000	<0.10	776	18400	641	<0.050	1010	<1.0	16.0
		Dissolved	36.8	<0.50	<0.50	20.2	0.35	15.5	231000	0.80	3.3	8.2	1010	0.29	18800	1720	<0.20	18.7	5.3	11900	<0.50	<0.50	10500	<0.10	<0.10	2990												
		Potentially Dissolved	684	0.29J	1.4	19.7	0.75	15.7	226000	1.2	2.4	140	7940	17.6	19600	1790	<0.20	19.8	2.0	11300	<1.0	<0.50	11200	0.080J	<1.0	2830												
DR-4	11/27/12	Total	302	<0.50	0.60	19.7	0.32	14.1	242000	<0.50	2.6	65.1	3420	6.6	19200	1730	<0.20	19.1	4.1	12200	<0.50	<0.50	11500	<0.10	<0.10	2740	110	<1.0	<0.0050	684000	<0.10	833	16400	649	<0.050	1020	<1.0	<5.0
		Dissolved	5.1	<0.50	<0.50	20.9	<0.20	13.2	236000	<0.50	2.8	2.8	<50.0	<0.10	19900	1710	<0.20	19.5	4.5	12800	<0.50	<0.50	11000	<0.10	<0.10	2280												
		Potentially Dissolved	292	0.26J	0.64J	45.9	0.36J	13.5	230000	1.2	2.4	59.2	3350	8.2	19800	1780	<0.20	19.0	2.2	11600	<1.0	<0.50	11200	0.076J	<1.0	2370												
DR-5	11/28/12	Total	128	<0.50	<0.50	18.4	0.21	11.6	230000	<0.50	2.2	26.7	1480	2.6	18900	1540	<0.20	16.8	3.6	11600	<0.50	<0.50	11000	<0.10	<0.10	2270	117	<1.0	<0.0050	652000	<0.10	816	14600	667	<0.050	1100	<1.0	<5.0
		Dissolved	11.6	<0.50	<0.50	21.0	<0.20	11.9	251000	<0.50	2.5	2.8	<50.0	<0.10	21100	1720	<0.20	19.2	4.5	13100	<0.50	<0.50	11400	<0.10	<0.10	2250												
		Potentially Dissolved	132	0.24J	0.38J	19.5	0.19J	12.1	234000	2.3	2.1	26.6	1560	3.2	20400	1690	<0.20	18.5	2.4	11600	<1.0	<0.50	11400	0.068J	<1.0	2080												
DR-6	11/28/12	Total	69.8	<0.50	<0.50	18.5	<0.20	10.8	271000	<0.50	1.9	14.6	930	1.4	20600	1690	<0.20	14.9	3.4	12400	<0.50	<0.50	12400	<0.10	<0.10	2450	138	<1.0	0.0052	760000	<0.10	847	17800	691	<0.050	1130	<1.0	<5.0
		Dissolved	12.2	<0.50	<0.50	19.9	<0.20	10.8	264000	3.2	2.1	2.7	132	0.13	21200	1720	<0.20	16.3	5.3	13000	<0.50	<0.50	11800	<0.10	<0.10	2360												
		Potentially Dissolved	74.9	0.23J	0.31J	20.0	0.14J	11.4	239000	1.0	2.0	14.8	1000	1.8	22300	1680	<0.20	17.1	1.6	12400	<1.0	<0.50	12700	0.070J	<1.0	2010												
DR-7	11/28/12	Total	17.1	<0.50	1.1	63.2	<0.20	1.4	104000	<0.50	<0.50	1.7	286	0.18	13800	417	<0.20	2.9	0.63	3360	<0.50	<0.50	7170	<0.10	<0.10	260	159	1.1	<0.0050	317000	<0.10	423	12300	197	<0.050	451	<1.0	<5.0
		Dissolved	7.0	<0.50	1.1	63.0	<0.20	1.3	111000	<0.50	<0.50	0.89	165	<0.10	13800	435	<0.20	2.9	1.4	3440	<0.50	<0.50	6940	<0.10	<0.10	255												
		Potentially Dissolved	13.5J	0.074J	0.97J	61.0	0.10J	1.3	102000	1.1	0.35J	1.6	294	0.30J	13900	425	<0.20	2.9	<1.0	2780	<1.0	<0.50	6960	0.040J	<1.0	238												
DR-8	11/27/12	Total	691	<0.50	1.5	19.6	0.94	16.3	226000	<0.50	2.7	152	7840	15.4	18200	1660	<0.20	18.9	3.9	11300	<0.50	<0.50	10600	<0.10	0.16	3190	107	<1.0	<0.0050	639000	<0.10	773	16800	648	<0.050	1020	<1.0	18.0
		Dissolved	36.5	<0.50	<0.50	21.0	0.44	15.9	245000	<0.50	2.8	9.4	992	0.23	19500	1850	<0.20	19.2	4.3	12200	<0.50	<0.50	10800	<0.10	<0.10	3050												
		Potentially Dissolved	691	0.31J	1.3	20.1	0.74	16.0	215000	0.97J	2.4	140	7990	17.2	18500	1790	<0.20	20.0	2.1	10400	<1.0	<0.50	10500	0.072J	<1.0	2840												
DR-4-SW	11/28/12	Total	20.0	<0.50	<0.50	65.8	<0.20	1.3	95100	<0.50	<0.50	1.1	148	0.80	12100	350	<0.20	2.1	0.67	2430	<0.50	<0.50	5450	<0.10	<0.10	254	159	1.6	<0.0050	287000	<0.10	380	10200	159	<0.050	399	<1.0	<5.0
		Dissolved	8.7	<0.50	<0.50	65.8	<0.20	1.2	101000	0.64	<0.50	1.6	56.5	0.11	12000	359	<0.20	2.2	2.0	2440	<0.50	<0.50	5150	<0.10	<0.10	248												
		Potentially Dissolved	19.1J	0.070J	0.47J	62.6	<0.50	1.2	91800	0.64J	0.36J	1.5	168	1.4	12100	355	<0.20	2.2	<1.0	2180	<1.0	<0.50	5280	0.024J	<1.0	241												
DR-G	11/28/12	Total	20.6	<0.50	<0.50	88.0	<0.20	1.2	115000	<0.50	<0.50	0.82	116	0.29	14600	302	<0.20	2.5	0.69	3110	<0.50	<0.50	6750	<0.10	<0.10	254	172	1.8	0.0057	348000	<0.10	412	12400	202	<0.050	476	<1.0	<5.0
		Dissolved	5.9	<0.50	<0.50	84.3	<0.20	1.1	115000	<0.50	<0.50	0.90	<50.0	<0.10	14000	298	<0.20	2.5	0.82	3040	<0.50	<0.50	6190	<0.10	<0.10	229												
		Potentially Dissolved	13.4J	0.070J	0.40J	82.5	<0.50	1.1	112000	1.0	0.28J	0.82J	112	0.41J	14400	306	<0.20	2.6	<1.0	2720	0.40J	<0.50	6440	<1.0	<1.0	231												
FB	11/27/12	Total	10.4	<0.50	<0.50	1.4	<0.20	<0.080	85.0	<0.50	<0.50	<0.50	<50.0	0.15	20.6	0.72	<0.20	<0.50	<0.50	58.9	<0.50	<0.50	264	<0.10	<0.10	<5.0	<20.0	<1.0	0.0050	297	<0.10	<6.0	99.0	<1.0	<0.050	<5.0	<1.0	<5.0
		Dissolved	<4.0	<0.50	<0.50	<0.30	<0.20	<0.080	73.3	<0.50	<0.50	<0.50	<50.0	<0.10	17.8	<0.50	<0.20	<0.50	<0.50	50.8	<0.50	<0.50	235	<0.10	<0.10	<5.0												
		Potentially Dissolved	6.4J	<1.0	<1.0	1.4	<0.50	<0.50	122	0.81J	<1.0	<1.0	11.2J	0.33J	22.2J	0.95J	<0.20	<1.0	0.48J	<500	<1.0	<0.50	325J	<1.0	<1.0	5.9J												

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TABLE 4B - Groundwater Analytical Sampling Results Summary, November 2012

Field Sample ID	Date Collected	Fraction	Metals (µg/L)																								Non-Metals (mg/L, unless otherwise indicated)											
			Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Alkalinity	Chloride	Cyanide	Hardness (µg/L as CaCO3)	Nitrogen, NO2 plus NO3	Salinity	Silica	Sulfate	Sulfide	TDS	TOC	TSS
GW-1	11/27/12	Total	1850	<0.50	2.8	95.2	<0.20	0.28	53100	2.2	1.8	11.3	3060	9.9	6900	339	<0.20	1.7	3.1	1250	<0.50	<0.50	2340	<0.10	4.0	31.3	115	1.2	<0.0050	161000	<0.10	216	13400	60.5	<0.050	172	<1.0	154
		Dissolved	4.0	<0.50	<0.50	61.9	<0.20	<0.080	51700	<0.50	<0.50	0.83	<50.0	<0.10	6200	0.78	<0.20	1.2	<0.50	653	0.51	<0.50	2180	<0.10	<0.10	<5.0												
		Potentially Dissolved	542	0.12J	1.3	104	0.11J	0.42J	51200	1.5	1.3	10.6	1220	9.6	6630	269	<0.20	0.34J	2.7	590	0.64J	0.19J	2400	<1.0	1.5	29.2												
GW-3	11/28/12	Total	8860	0.53	15.3	168	0.50	2.1	137000	13.0	6.4	72.4	15600	144	22200	1210	<0.20	1.9	10.3	4370	3.9	1.3	3350	0.19	18.3	426	219	<1.0	0.0059	435000	<0.10	508	41900	208	<0.050	539	<1.0	536
		Dissolved	278	<0.50	0.64	24.6	<0.20	0.35	144000	1.1	<0.50	3.8	486	4.4	17400	73.2	<0.20	0.76	1.4	2900	1.4	<0.50	2870	<0.10	0.60	55.5												
		Potentially Dissolved	2790	0.21J	5.1	76.5	0.35J	2.9	136000	5.4	4.1	63.5	6970	88.4	18500	1120	<0.20	0.23J	4.9	2510	2.7	0.69	2850	0.033J	4.3	402												
GW-4	11/27/12	Total	12600	0.52	9.4	254	0.81	6.3	261000	19.2	7.5	54.0	23600	45.0	35300	1280	<0.20	14.8	14.4	9120	1.2	1.1	11800	0.36	27.4	391	97.2	1.1	0.0053	797000	<0.10	846	52100	710	<0.050	1090	<1.0	901
		Dissolved	550	<0.50	1.1	58.2	<0.20	0.36	258000	1.2	1.8	3.4	3840	2.3	27200	1040	<0.20	11.7	3.1	7180	<0.50	<0.50	10400	<0.10	1.3	47.1												
		Potentially Dissolved	3030	0.063J	4.1	58.3	0.51	7.6	230000	8.0	4.4	42.6	10700	54.3	27200	1150	<0.20	5.3	5.5	6000	1.1	<0.50	10200	0.30J	8.0	359												
GW-5	11/27/12	Total	6010	1.3	434	29.0	0.88	72.7	583000	6.9	24.6	969	60300	6550	51000	5860	<0.20	16.0	31.1	6630	1.9	17.7	6550	1.1	9.2	25900	172	<1.0	<0.0050	1690000	<0.10	1510	57800	1630	<0.050	2360	<1.0	708
		Dissolved	76.1	<0.50	52.5	13.6	<0.20	2.0	563000	<0.50	11.6	12.4	5940	145	50400	4820	<0.20	8.8	16.0	5960	<0.50	<0.50	5910	<0.10	0.14	10200												
		Potentially Dissolved	2220	0.41J	318	6.7	0.37J	45.8	527000	2.6	15.0	471	41100	4670	50800	5040	<0.20	8.9	14.5	5400	1.3	0.48J	6270	0.57J	3.4	15200												
GW-6	11/27/12	Total	11800	2.2	231	109	2.3	33.8	341000	15.9	13.0	358	161000	4720	73000	18600	<0.20	14.0	19.0	21300	2.3	13.2	4770	0.74	23.7	11000	<20.0	<1.0	<0.0050	1150000	<0.10	1320	67200	1800	<0.050	1980	<1.0	1050
		Dissolved	91.5	<0.50	93.9	24.2	0.74	0.29	363000	<0.50	1.9	0.87	122000	1.8	78000	16000	<0.20	10.0	2.6	18900	<0.50	0.74	4220	<0.10	<0.10	5110												
		Potentially Dissolved	3560	0.72J	159	26.7	1.2	12.5	337000	6.1	5.1	123	150000	3790	70800	17000	<0.20	5.6	5.0	17700	0.97J	0.062J	4360	0.26J	8.2	5970												
GW-7	11/27/12	Total	21500	1.0	29.7	61.7	2.5	8.2	300000	32.2	8.3	356	56000	1330	41200	372	<0.20	7.4	23.7	5270	14.3	5.3	7940	0.79	24.5	1660	243	<1.0	0.0069	918000	0.53	853	67900	618	<0.050	1090	<1.0	978
		Dissolved	395	<0.50	0.56	15.2	<0.20	3.3	282000	0.78	0.83	11.6	771	21.8	27000	26.1	<0.20	1.1	3.1	2670	1.8	<0.50	7290	0.10	0.39	196												
		Potentially Dissolved	4310	0.11J	2.9	16.9	0.76	3.6	256000	4.2	1.8	102	7820	416	26400	49.4	<0.20	0.60J	3.3	2510	3.1	0.43J	7190	0.18J	1.5	370												
EB-1	11/27/12	Total	922	<0.50	7.5	22.8	0.27	2.0	495000	1.7	6.6	43.8	11000	204	33500	4720	<0.20	14.3	6.8	5950	<0.50	1.3	7060	<0.10	1.5	2020	183	<1.0	<0.0050	1370000	<0.10	1280	27200	1320	<0.050	1960	<1.0	64.0
		Dissolved	9.7	<0.50	2.5	13.4	<0.20	0.089	504000	<0.50	6.1	<0.50	6950	0.41	30700	4600	<0.20	14.0	5.7	5970	<0.50	<0.50	6620	<0.10	<0.10	1430												
		Potentially Dissolved	521	0.14J	6.0	17.3	0.25J	2.0	455000	1.4	5.8	37.3	9390	225	31400	4870	<0.20	12.9	2.2	5240	<1.0	0.15J	6980	0.023J	0.74J	1520												
EB-2	11/27/12	Total	7780	<0.50	165	13.3	4.8	1.2	305000	0.99	33.8	19.7	341000	168	90900	19800	<0.20	4.8	45.4	12000	0.71	<0.50	7020	<0.10	0.46	24400	36.2	1.4	<0.0050	1140000	<0.10	1490	32100	1850	<0.050	2730	<1.0	166
		Dissolved	6940	<0.50	146	10.9	4.7	0.24	316000	<0.50	32.9	<0.50	349000	0.68	90600	19400	<0.20	4.3	44.1	11700	0.58	<0.50	6130	<0.10	<0.10	23800												
		Potentially Dissolved	7040	0.15J	140	11.7	3.2	0.89	292000	0.88J	31.6	14.6	357000	195	90400	19400	<0.20	3.5	39.0	10200	0.92J	<0.50	6190	0.074J	<1.0	18900												
MW-1 SHALLOW	11/27/12	Total	18700	0.75	18.2	213	1.3	2.4	256000	18.8	10.7	74.9	22900	154	28700	1090	<0.20	9.9	14.4	11200	17.3	1.9	11400	0.53	27.0	402	86.0	<1.0	<0.0050	756000	<0.10	775	77100	664	<0.050	997	<1.0	660
		Dissolved	487	<0.50	0.62	26.0	<0.20	0.50	238000	0.75	<0.50	2.9	719	5.5	19800	43.9	<0.20	6.4	1.0	5220	11.9	<0.50	10200	<0.10	0.77	91.1												
		Potentially Dissolved	3240	0.20J	3.7	45.2	0.76	2.4	224000	3.9	5.5	37.2	4600	128	22200	804	<0.20	2.0	4.8	4860	11.8	1.1	10600	0.12J	4.7	266												
MW-1 DEEP	11/27/12	Total	103	<0.50	0.70	21.9	<0.20	1.9	211000	2.0	<0.50	3.9	290	5.6	18400	41.4	<0.20	7.8	0.60	12700	8.8	<0.50	13000	0.12	0.32	634	88.5	<1.0	0.0084	602000	<0.10	719	10000	566	<0.050	905	<1.0	6.0
		Dissolved	10.5	<0.50	<0.50	19.1	<0.20	1.7	211000	1.6	<0.50	1.7	<50.0	0.14	17500	6.2	<0.20	7.6	0.94	12200	9.1	<0.50	11500	0.11	<0.10	581												
		Potentially Dissolved	46.2J	0.16J	1.3	20.4	<0.50	1.8	202000	2.4	0.084J	3.0	178	6.5	19000	29.8	<0.20	8.5	0.38J	11800	8.5	0.10J	12900	0.17J	0.32J	537												
MW-2 SHALLOW	11/27/12	Total	DRY WELL																																			
		Dissolved																																				
		Potentially Dissolved																																				
MW-2 DEEP	11/27/12	Total	72.6	<0.50	<0.50	14.2	<0.20	0.79	249000	0.51	<0.50	0.76	160	1.5	22400	6.8	<0.20	7.1	<0.50	2220	1.2	<0.50	11000	<0.10	0.17	18.6	85.8	<1.0	<0.0050	715000	<0.10	774	11500	667	<0.050	995	<1.0	<5.0
		Dissolved	5.6	<0.50	<0.50	12.6	<0.20	0.75	236000	<0.50	<0.50	<0.50	<50.0	<0.10	20300	2.0	<0.20	6.1	<0.50	1880	1.0	<0.50	10200	<0.10	<0.10	12.9												
		Potentially Dissolved	28.4J	0.073J	0.27J	12.9	<0.50	0.70	210000	0.84J	<1.0	0.58J	88.1	1.4	19800	9.3	<0.20	6.8	<1.0	1610	1.1	<0.50	9660	0.098J	<1.0	15.3												
MW-3 SHALLOW	11/27/12	Total	DRY WELL																																			
		Dissolved																																				
		Potentially Dissolved																																				
MW-3 DEEP	11/27/12	Total	66.0	<0.50	1.3	18.1	<0.20	0.089	232000	0.65	1.1	1.1	2320	2.8	23200	1490	<0.20	9.5	<0.50	2580	<0.50	<0.50	11200	<0.10	0.12	43.6	87.6	<1.0	<0.0050	676000	<0.10	754	12100	640	<0.050	1010	<1.0	<5.0
		Dissolved	6.7	<0.50	0.68	15.8	<0.20	<0.080	234000	<0.50	0.94	0.57	1280	<0.10	22200	1520	<0.20	8.0	0.65	2220	<0.50	<0.50	10500	<0.10	<0.10	32.7												
		Potentially Dissolved	42.6J	0.047J	1.1	15.9	<0.50	<0.50	218000	0.67J	0.86J	0.90J	2160	2.7	23600	1540	<0.20	9.1	<1.0	2020	<1.0	<0.50	10800	0.074J	<1.0	39.6												
MW-4 SHALLOW	11/27/12	Total	19900	<0.50	15.2	208	2.1	4.4	254000	24.4	13.8	128	24800	185	32700	817	<0.20	3.7	17.8	6800	15.9	1.8	9700	0.37	25.5	703	160	1.3	0.0055	769000	0.81	783	75500	632	<0.050	1010	<1.0	802
		Dissolved	1470	<0.50	1.1	40.6	<0.40	2.3	258000	1.9	0.90	8.9	1700	10.4	25300	110	<0.20	1.3	3.0	3180	12.3	<0.50	9240	<0.10	1.9	230												
		Potentially Dissolved	4370	0.12J	3.2	54.1	1.1	3.8	232000	8.1	7.1	60.2	5850	168	26000	583	<0.20	1.2	15.1	2590	12.4	0.24J	9200	0.10J	5.8	397												
MW-4 DEEP	11/27/12	Total	279	<0.50	<0.50	20.6	<0.20	1.7	267000	0.77	<0.50	13.0	582	5.1	28600	53.4	<0.20	2.5	0.72	3540	28.1	<0.50	10300	<0.10	0.52	231	129	1.1	<0.0050	786000	<0.10	844	10400	717	<0.050	1460	<1.0	8.0
		Dissolved	15.1	<0.50	<0.50	15.4	<0.20	1.5	268000	<0.50	<0.50	1.9	<50.0	<0.10	29600	6.6	<0.20	2.1	0.78	2940	24.4	<0.50	9350	<0.10	<0.10	191												
		Potentially Dissolved	133	0.12J	2.3	17.9	0.077J	1.7	251000	2.5	0.26J	3.7	314	4.1	28700	36.4	<0.20	2.3	1.1	2710	22.8	<0.50	10300	0.040J	0.30J	178												
MW-5 SHALLOW	11/27/12	Total	37900	<2.5	319	88.3	7.3	199	517000	8.2	107	414	333000	2180	104000	18100	<0.20	2.5	184	3440	8.2	7.7	15400	0.85	7.8	66900	<20.0	1.4	<0.0050	1720000	<0.10	2160	90700	2630	<0.050	3690	<1.0	157
		Dissolved	21200	<0.50	207	11.6	5.8	131	465000	2.7	70.4	83.2	340000	570	85600	17300	<0.20	<0.50	126	1610	4.3	<0.50	11700	0.35	1.6	61600												
		Potentially Dissolved	20800	0.24J	172	14.2	4.1	121	428000	4.0	63.1	148	293000	1730	90100	17000	<0.20	0.65J	106	1360	5.9	0.075J	11200	0.53J	2.5	66100												
MW-5 DEEP	11/27/12	Total	979	<0.50	178	13.9	2.8	0.33	291000	0.56	10.8	7.2	79800	28.7	56500	12000	<0.20	16.3	9.6	10200	<0.50	<0.50	6950	<0.10	0.27	10100	50.1	1.0	0.0088	960000	<0.10	1110	24600	1380	<0.050	1570	<1.0	46.0
		Dissolved	761	<0.50	108	12.8	2.4	0.16	304000	0.55	10.1	<0.50	79200	0.18	57000	11500	<0.20	15.2	9.1	9350	<0.50	<0.50	6910	<0.10	<0.10	9520												
		Potentially Dissolved	798	0.066J	137	12.4	2.0	0.22J	269000	0.69J	8.8	4.6	79500	25.4	54800	11600	<0.20	16.5	7.4	8700	<1.0	<0.50	6870	0.098J	<1.0	7930												
MW-6 SHALLOW	11/27/12	Total	17600	0.58	91.2	105	1.7	14.3	371000	16.1	13.2	95.8	65800	186	58200	6920	<0.20	7.6	22.1	15900	2.0	0.71	14110	0.54	20.4	3270	105	1.3	0.0058	1160000	<0.10	1130	75000	1150	<0.050	1650	<1.0	378
		Dissolved	1430	<0.50	43.9	21.0	1.1	0.66	380000	0.83	4.3	5.0	50800	8.0	55100	7120	<0.20	4.5	3.3	11700	<0.50	<0.50	3870	<0.10	0.94	744												
		Potentially Dissolved	6220	0.12J	56.4	24.4	0.97	10.4	329000	5.2	7.5	37.7	53200	175	50800	6920	<0.20	3.3	11.3	10700	1.3	<0.50	3650	0.28J	5.5	2330												
MW-6 DEEP	11/27/12	Total	334	<0.50	7.6	20.0	0.37	0.21	226000	0.73	2.4	2.0	5510	5.6	30000	4820	<0.20	5.0	2.9	4850	<0.50	<0.50	4940	<0.10	0.34	403	179	<1.0	0.0084	687000	<0.10	718	12700	551	<0.050	943	<1.0	13.0
		Dissolved	121	<0.50	1.9	16.8	<0.40	0.14	240000	<0.50	2.1	<0.50	4390	<0.10	39200	5200	<0.20	4.7	2.3	4210	<0.50	<0.50	4890	<0.10	<0.10	357												
		Potentially Dissolved	216	0.20J	6.1	17.6	0.33J	0.18J	203000	0.93J	1.9	1.3	4920	4.6	28700	4980	<0.20	5.0	2.5	3540	<1.0	<0.50	4710	<1.0	<1.0	329												
MW-101	11/27/12	Total	11000	0.50	14.1	170	0.95	3.4	442000	22.0	24.8	79.5	62800	1020	63200	11000	<0.20	6.6	31.9	9930	2.5	5.0	82900	0.51	17.2	936	311	4.6	0.0068	1360000	<0.10	1530	60400	1350	<0.050	2060	<1.0	638
		Dissolved	188	<0.50	<0.50	16.6	<0.20	0.17	432000	<0.50	17.0	<0.50	34200	0.19	58200	9580	<0.20	0.85	17.4	6310	<0.50	<0.50	84300	<0.10	<0.10	514												
		Potentially Dissolved	1880	0.15J	2.0	27.2	0.54	2.1	392000	7.9	16.4	24.2	37900	547	55600	10400	<0.20	0.53J	18.5	5940	0.56J	<0.50	83600	0.11J	3.8	553												
MW-102	11/27/12	Total	69600	0.96	61.9	307	4.9	8.7	233000	63.6	83.1	208	80500	419	59900	7450	<0.20	23.1	68.9	9160	8.1	1.2	7270	1.6	71.2	2020	227	<1.0	0.0058	828000	0.46	701	139000	439	<0.050	863	<1.0	1780
		Dissolved	970	<0.50	1.3	27.8	<0.20	1.2	220000	1.4	1.6	4.6	1300	7.1	21600	266	<0.20	2.2	3.4	2740	1.9	<0.50	6240	<0.10	1.6	120												
		Potentially Dissolved	6610	0.16J	4.2	73.4	2.2	5.0	205000	14.3	16.8	59.8	6780	157	24000	1910	<0.20	0.41J	16.0	2610	6.6	0.50	6380	0.035J	5.0	709												
MW-103	11/27/12	Total	144	<0.50	2.9	35.6	0.31	<0.080	297000	6.2	3.6	0.98	5900	2.3	29200	8040	<0.20	10.7	3.9	4120	<0.50	<0.50	14800	<0.10	0.28	87.4	269	1.6	0.011	862000	<0.10	954	21300	638	<0.050	1200	2.5	16.0
		Dissolved	24.3	<0.50	1.7	32.4	<0.40	<0.080	308000	<0.50	3.6	1.1	3640	0.20	28500	8480	<0.20	9.2	2.8	3620	<0.50	<0.50	14100	<0.10	<0.10	82.6												
		Potentially Dissolved	45.0J	0.056J	2.2	31.6	0.23J	<0.50	273000	0.91J	2.8	0.61J	5150	1.6	28200	8270	<0.20	10.2	0.83J	3000	<1.0	<0.50	14200	<1.0	<1.0	65.6												
MW-104	11/28/12	Total	54.6	<0.50	<0.50	31.4	<0.20	2.4	256000	<0.50	<0.50	1.0	83.9	0.94	23600	118	<0.20	34.4	0.78	26300	1.8	<0.50	24100	<0.10	0.12	815	135	1.2	0.0054	735000	<0.10	876	12000	705	<0.050	1170	<1.0	<5.0
		Dissolved	8.6	<0.50	<0.50	30.6	<0.20	2.3	262000	4.9	<0.50	2.0	<50.0	0.13	24100	106	<0.20	31.6	3.3	25600	1.9	<0.50	25200	<0.10	<0.10	827												
		Potentially Dissolved	32.2J	0.088J	0.33J	30.2	<0.50	2.3	234000	0.53J	0.056J	1.0	75.6	0.93J	23200	121	<0.20	35.5	0.56J	23600	1.6	<0.50	25100	0.034J	<1.0	682												
MW-202	11/27/12	Total	DRY WELL																																			
		Dissolved																																				
		Potentially Dissolved																																				
MW-204	11/27/12	Total	8600	<0.50	3.3	99.7	0.51	1.3	234000	15.6	5.9	14.4	11000	31.8	25500	1120	<0.20	7.9	11.7	4130	0.64	<0.50	24200	0.15	12.7	84.8	127	1.1	<0.0050	690000	<0.10	827	42800	615	<0.050	1000	<1.0	346
		Dissolved	3220	<0.50	1.4	63.2	<0.20	0.78	229000	6.0	2.9	6.3	4280	12.0	21300	986	<0.20	6.4	6.3	2600	<0.50	<0.50	24000	<0.10	5.0	38.9												
		Potentially Dissolved	1840	0.15J	1.2	51.5	0.39J	1.3	219000	5.0	3.5	7.6	3840	29.1	20800	1110	<0.20	4.9	5.5	2180	0.48J	<0.50	25100	0.056J	3.2	47.1												
P13-102	11/27/12	Total	111	<0.50	<0.50	30.1	<0.20	<0.080	354000	<0.50	13.8	1.1	657	2.3	47900	17300	<0.20	8.8	5.1	7150	<0.50	<0.50	38500	<0.10	0.23	28.7	155	7.2	<0.0050	1080000	<0.10	1210	17600	1120	<0.050	1740	<1.0	5.0
		Dissolved	28.0	<0.50	<0.50	27.5	<0.20	<0.080	355000	<0.50	12.1	0.65	428	0.39	49200	16200	<0.20	7.7	5.2	6220	<0.50	<0.50	39100	<0.10	<0.10	24.0												
		Potentially Dissolved	50.3	0.11J	0.45J	26.7	0.085J	<0.50	302000	1.0	10.5	0.69J	537	2.5	44200	16000	<0.20	8.8	3.8	5510	<1.0	<0.50	37200	0.063J	<1.0	22.7												
P13-103	11/28/12	Total	3150	0.76	91.0	71.6	0.29	2.4	308000	5.4	3.4	134	41600	594	33600	1780	<0.20	12.4	4.8	5970	1.5	3.9	14200	0.17	4.4	384	66.4	1.3	0.0053	907000	<0.10	979	45800	859	<0.050	1320	<1.0	518
		Dissolved	<4.0	<0.50	62.6	25.2	<0.20	<0.080	195000	<0.50	1.2	0.80	14300	0.20	21000	1070	<0.20	10.9	1.1	4550	<0.50	<0.50	13000	<0.10	<0.10	50.6												
		Potentially Dissolved	945	0.32J	74.2	30.9	0.23J	1.9	259000	3.4	1.5	77.0	23300	724	29700	1630	<0.20	9.3	2.4	3870	0.50J	0.23J	13000	0.086J	1.8	301												
AT-2	11/27/12	Total	20600	1.1	17.8	216	2.3	5.4	200000	31.0	17.2	341	98700	232	29600	3260	<0.20	27.8	32.0	8420	2.5	0.82	10000	0.35	30.0	1510	23.5	1.6	<0.0050	621000	<0.10	629	70200	544	<0.050	776	<1.0	680
		Dissolved	1870	<0.50	1.6	118	<0.20	0.51	166000	2.9	3.0	27.0	8310	17.0	15800	1450	<0.20	5.5	4.7	5140	<0.50	<0.50	10200	<0.10	2.7	140												
		Potentially Dissolved	2640	0.19J	1.5	133	0.89	3.3	172000	4.7	6.8	136	25700	138	15300	2310	<0.20	2.1	9.3	4200	1.3	<0.50	9320	0.047J	3.4	637												

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TABLE 4C - Dolores River Composite Sampling Analytical Sampling Results Summary, November 2012

			Metals (µg/L)																								Non-Metals (mg/L, unless otherwise indicated)										
Field Sample ID	Date Collected	Fraction	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Alkalinity	Chloride	Cyanide	Hardness (µg/L as CaCO3)	Nitrogen, NO2 plus NO3	Salinity	Silica	Sulfate	Sulfide	TDS	TOC	TSS
DR-1 COMP	11/28/12	Total	40.0	<0.50	<0.50	79.1	<0.20	<0.080	55400	<0.50	<0.50	0.54	88.6	0.30	7890	19.5	<0.20	0.98	<0.50	784	<0.50	<0.50	3000	<0.10	0.15	<5.0	111	1.1	0.0056	171000	<0.10	215	6320	63.3	<0.050	211	<1.0	<5.0
		Dissolved	6.7	<0.50	<0.50	76.7	<0.20	<0.080	53400	<0.50	<0.50	0.70	<50.0	<0.10	7390	14.8	<0.20	0.85	<0.50	705	<0.50	<0.50	2860	<0.10	<0.10	<5.0												
		Potentially Dissolved	11.0J	0.11J	<1.0	74.1	<0.50	<0.50	54600	0.69J	<1.0	<1.0	54.4	0.34J	7940	26.0	<0.20	1.0	0.60J	734	<1.0	0.16J	3100	0.38J	<1.0	4.5J												
DR-2 COMP	11/28/12	Total	30.9	<0.50	<0.50	69.9	<0.20	<0.080	75200	<0.50	<0.50	<0.50	117	0.11	9860	207	<0.20	1.2	0.56	1210	<0.50	<0.50	3990	<0.10	0.13	7.3	126	1.1	0.0058	228000	<0.10	290	8570	104	<0.050	281	<1.0	<5.0
		Dissolved	<4.0	<0.50	<0.50	69.7	<0.20	<0.080	74400	<0.50	<0.50	1.0	<50.0	<0.10	9570	204	<0.20	1.2	0.94	1210	0.50	<0.50	4180	<0.10	<0.10	7.7												
		Potentially Dissolved	8.5J	0.10J	0.28J	64.1	<0.50	<0.50	71400	0.66J	0.081J	0.64J	93.0	0.79J	9650	197	<0.20	1.2	<1.0	1220	<1.0	0.079J	4040	0.35J	<1.0	7.9J												
DR-7 COMP	11/28/12	Total	20.0	<0.50	0.89	67.8	<0.20	1.2	106000	0.55	<0.50	1.6	301	0.24	13500	425	<0.20	2.9	0.66	3020	<0.50	<0.50	6480	<0.10	<0.10	242	146	1.5	0.0060	320000	0.12	375	12000	182	<0.050	421	<1.0	<5.0
		Dissolved	4.9	<0.50	0.76	66.5	<0.20	1.2	107000	<0.50	<0.50	1.0	152	<0.10	12800	419	<0.20	2.8	2.7	2930	<0.50	<0.50	6610	<0.10	<0.10	228												
		Potentially Dissolved	12.3J	0.10J	0.82J	60.2	<0.50	1.0	106000	0.90J	0.30J	1.4	267	0.43J	13300	404	<0.20	2.6	0.85J	2930	<1.0	0.069J	6560	0.36J	<1.0	210												
DR-4-SW COMP	11/28/12	Total	19.0	<0.50	0.54	68.5	<0.20	1.3	104000	<0.50	<0.50	1.1	155	0.39	13200	371	<0.20	2.3	0.62	2570	<0.50	<0.50	5870	<0.10	<0.10	258	152	1.6	<0.0050	314000	<0.10	380	11000	165	<0.050	405	<1.0	<5.0
		Dissolved	9.4	<0.50	<0.50	67.7	<0.20	1.2	100000	<0.50	<0.50	1.4	53.2	0.10	12400	365	<0.20	2.3	1.3	2500	<0.50	<0.50	5900	<0.10	<0.10	245												
		Potentially Dissolved	12.7J	0.11J	0.42J	62.0	<0.50	1.1	102000	0.51J	0.34J	1.0	134	0.53J	13100	354	<0.20	2.2	0.81J	2550	<1.0	0.068J	5860	0.35J	<1.0	233												

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TABLE 4D - Dolores River Transect Sampling Analytical Sampling Results Summary, November 2012

			Metals (µg/L)																							Non-Metals (mg/L, unless otherwise indicated)										
Field Sample ID	Date Collected	Fraction	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Alkalinity	Chloride	Cyanide	Hardness (µg/L as CaCO3)	Nitrogen, NO2 plus NO3	Salinity	Silica	Sulfate	Sulfide	TDS	TOC	TSS
DR-7_SEC1	11/28/12	Total	20.9	<0.50	1.4	65.8	<0.20	1.4	124000	<0.50	<0.50	1.8	334	0.21	15100	475	<0.20	3.1	0.65	3950	0.50	<0.50	7780	<0.10	<0.10	286	163	1.1	<0.0050	372000	0.12	429	13900	212	<0.050	471	<1.0	<5.0
		Dissolved	8.0	<0.50	1.2	63.6	<0.20	1.3	117000	<0.50	<0.50	1.3	218	<0.10	14200	442	<0.20	3.0	1.4	3500	<0.50	<0.50	7780	<0.10	<0.10	264												
		Potentially Dissolved	12.7J	0.096J	1.1	60.2	<0.50	1.3	115000	0.57J	0.34J	1.6	289	0.45J	15100	441	<0.20	3.1	0.76J	3660	<1.0	0.078J	7840	0.38J	<1.0	250												
DR-7_SEC2	11/28/12	Total	18.9	<0.50	0.76	65.1	<0.20	1.3	113000	<0.50	<0.50	1.7	269	0.20	13500	430	<0.20	3.0	0.55	3140	<0.50	<0.50	6520	<0.10	<0.10	261	150	1.1	<0.0050	337000	<0.10	390	12700	194	<0.050	452	<1.0	<5.0
		Dissolved	4.1	<0.50	0.83	67.1	<0.20	1.4	107000	<0.50	<0.50	1.0	132	<0.10	13300	436	<0.20	3.0	3.5	3130	<0.50	<0.50	6880	<0.10	<0.10	256												
		Potentially Dissolved	13.3J	0.096J	0.72J	62.1	<0.50	1.2	105000	0.87J	0.32J	1.7	251	0.58J	13400	430	<0.20	2.9	0.88J	3100	<1.0	0.067J	6520	0.36J	<1.0	244												
DR-7_SEC3	11/28/12	Total	26.2	<0.50	0.63	63.1	<0.20	1.2	102000	0.64	<0.50	1.7	254	0.19	12200	398	<0.20	2.6	1.1	2690	<0.50	<0.50	5680	<0.10	<0.10	228	136	1.2	<0.0050	304000	<0.10	376	10800	178	<0.050	440	<1.0	<5.0
		Dissolved	5.2	<0.50	0.62	64.9	<0.20	1.1	100000	<0.50	<0.50	0.90	128	<0.10	11800	398	<0.20	2.6	1.4	2640	<0.50	<0.50	5860	<0.10	<0.10	216												
		Potentially Dissolved	12.4J	0.099J	0.51J	63.0	<0.50	1.0	98700	0.57J	0.28J	1.5	236	0.39J	12300	401	<0.20	2.8	0.69J	2690	<1.0	0.065J	5780	0.35J	<1.0	214												
DR-7_SEC4	11/28/12	Total	20.7	<0.50	0.56	66.3	<0.20	1.1	93200	<0.50	<0.50	1.5	265	0.19	12600	408	<0.20	2.7	<0.50	2700	<0.50	<0.50	5790	<0.10	<0.10	224	142	1.2	0.0052	285000	<0.10	376	10400	176	<0.050	429	<1.0	<5.0
		Dissolved	5.0	<0.50	0.59	66.6	<0.20	1.1	98900	<0.50	<0.50	1.1	126	<0.10	12100	409	<0.20	2.7	1.4	2700	<0.50	<0.50	5990	<0.10	<0.10	215												
		Potentially Dissolved	11.4J	0.099J	0.71J	61.4	<0.50	1.1	102000	0.56J	0.28J	1.5	230	0.38J	12600	392	<0.20	2.7	0.79J	2740	<1.0	0.066J	5930	0.35J	<1.0	202												
DR-7_SEC5	11/28/12	Total	15.5	<0.50	0.85	66.8	<0.20	1.0	111000	<0.50	<0.50	1.1	339	0.14	13300	434	<0.20	2.5	<0.50	2840	<0.50	<0.50	6480	<0.10	<0.10	199	156	3.0	<0.0050	332000	<0.10	384	12800	171	<0.050	437	<1.0	<5.0
		Dissolved	5.3	<0.50	0.76	66.1	<0.20	0.95	105000	<0.50	<0.50	0.81	247	<0.10	12600	430	<0.20	2.5	1.2	2790	<0.50	<0.50	6540	<0.10	<0.10	194												
		Potentially Dissolved	9.4J	0.10J	1.3	62.0	<0.50	0.86	106000	0.74J	0.31J	1.0	299	0.32J	13100	416	<0.20	2.5	0.57J	2710	<1.0	0.063J	6380	0.36J	<1.0	180												

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TABLE 4E - Additional (Non-Routine) Sampling Locations Analytical Results Summary, November 2012

			Metals (µg/L)																							Non-Metals (mg/L, unless otherwise indicated)											
Field Location	Date Collected	Fraction	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Alkalinity	Chloride	Cyanide	Hardness (µg/L as CaCO3)	Nitrogen, NO2 plus NO3	Salinity	Silica	Sulfate	Sulfide	TDS	TOC	TSS
EH-5	11/28/12	Total	10.9	<0.50	29.6	37.5	5.2	<0.080	726000	<0.50	<0.50	<0.50	6940	0.35	90200	1360	<0.20	1.6	1.9	22400	<0.50	<0.50	63200	1.2	<0.10	32.8	1160	1.0	<0.0050	2180000	<0.10	2050	124000	1110	<0.050	2900	<1.0	19.0
		Dissolved	6.1	<0.50	22.9	35.0	3.0	<0.080	712000	<0.50	0.69	1.1	2430	<0.10	90900	1420	<0.20	1.5	2.7	23400	<0.50	<0.50	66900	1.1	<0.10	33.2												
		Potentially Dissolved	8.9J	0.30J	23.2	35.0	3.8	<0.50	690000	0.55J	0.41J	<1.0	6540	0.64J	89800	1340	<0.20	1.5	2.1	23500	<1.0	0.050J	66800	1.6	<1.0	28.2												
EH-5A	11/28/12	Total	20.3	<0.50	7.5	45.4	0.30	<0.080	375000	<0.50	<0.50	<0.50	689	0.21	58600	449	<0.20	2.9	0.78	13900	<0.50	<0.50	38800	0.31	0.35	<5.0	554	2.1	<0.0050	1180000	<0.10	1160	76600	676	<0.050	1680	<1.0	6.0
		Dissolved	<4.0	<0.50	5.6	43.9	<0.20	<0.080	337000	<0.50	<0.50	<0.50	66.2	<0.10	53600	421	<0.20	2.7	0.72	13200	<0.50	<0.50	37300	0.27	0.23	<5.0												
		Potentially Dissolved	10.2J	0.17J	6.3	42.3	0.21J	<0.50	362000	0.69J	0.34J	<1.0	723	0.47J	59200	448	<0.20	2.7	1.2	14000	<1.0	0.062J	41000	0.65J	0.38J	5.2J												
EH-5 POND	11/28/12	Total	22.5	<0.50	17.0	33.9	1.4	<0.080	540000	<0.50	<0.50	<0.50	1820	0.36	81800	620	<0.20	2.3	1.1	20000	<0.50	<0.50	55100	0.62	0.55	7.1	594	1.5	<0.0050	1680000	<0.10	1430	103000	930	<0.050	2050	<1.0	29.0
		Dissolved	4.4	<0.50	14.4	31.1	0.42	<0.080	535000	<0.50	<0.50	0.63	<50.0	<0.10	73200	552	<0.20	2.3	1.7	19400	<0.50	<0.50	53000	0.56	0.44	<5.0												
		Potentially Dissolved	14.8J	0.29J	13.5	32.4	1.2	<0.50	526000	0.67J	0.26J	<1.0	1760	0.60J	78600	606	<0.20	2.4	1.6	20100	<1.0	0.071J	57200	0.97J	0.64J	8.2J												
EH-5B	11/28/12	Total	<4.0	<0.50	<0.50	43.8	<0.20	<0.080	123000	<0.50	<0.50	<0.50	122	<0.10	12100	35.9	<0.20	1.9	<0.50	1540	<0.50	<0.50	3500	<0.10	<0.10	<5.0	245	3.3	0.0060	357000	<0.10	390	15500	87.8	<0.050	429	<1.0	<5.0
		Dissolved	<4.0	<0.50	<0.50	44.0	<0.20	<0.080	117000	<0.50	<0.50	1.1	53.4	<0.10	11200	34.4	<0.20	1.8	1.1	1490	0.53	<0.50	3530	<0.10	<0.10	5.5												
		Potentially Dissolved	<50.0	0.12J	0.37J	42.5	<0.50	<0.50	119000	0.60J	<1.0	<1.0	137	0.25J	11900	35.5	<0.20	2.0	<1.0	1530	<1.0	0.17J	3610	0.38J	<1.0	3.2J												
EH-5C	11/28/12	Total	39.2	<0.50	2.6	32.1	<0.20	0.14	384000	0.66	3.2	<0.50	4780	0.32	36400	1900	<0.20	1.6	3.1	9430	<0.50	<0.50	23400	0.20	0.15	49.9	700	1.4	<0.0050	1110000	<0.10	1170	52600	472	<0.050	1460	<1.0	7.0
		Dissolved	5.5	<0.50	1.2	30.0	<0.20	0.15	369000	<0.50	3.9	1.3	2570	<0.10	34200	1860	<0.20	1.5	4.1	9440	<0.50	<0.50	23800	0.19	<0.10	56.1												
		Potentially Dissolved	11.1J	0.057J	2.2	29.6	0.081J	0.10J	360000	1.0	2.9	<1.0	3580	0.38J	34600	1920	<0.20	1.6	3.0	8920	<1.0	0.076J	24300	0.54J	<1.0	43.3												
EH-5D POND	11/28/12	Total	4.3	<0.50	<0.50	37.3	<0.20	<0.080	105000	<0.50	0.58	0.84	<50.0	<0.10	13700	24.2	<0.20	5.5	1.9	1230	<0.50	<0.50	3080	<0.10	0.19	10.3	199	5.7	<0.0050	320000	<0.10	370	14600	93.9	<0.050	395	<1.0	16.0
		Dissolved	128	<0.50	0.53	41.6	<0.20	0.21	97900	<0.50	<0.50	1.2	315	2.4	12800	24.8	<0.20	5.1	<0.50	1220	0.56	<0.50	3040	<0.10	0.46	13.7												
		Potentially Dissolved	18.4J	0.11J	2.2	35.6	<0.50	<0.50	102000	0.93J	<1.0	<1.0	106	1.1	14000	22.7	<0.20	4.5	<1.0	1250	<1.0	0.081J	3230	0.34J	0.30J	9.0J												
EH-5E POND	11/28/12	Total	5.2	<0.50	<0.50	37.7	<0.20	<0.080	98600	<0.50	<0.50	<0.50	73.2	0.11	13400	22.6	<0.20	5.6	<0.50	1270	<0.50	<0.50	2490	<0.10	0.13	<5.0	195	3.8	<0.0050	301000	<0.10	342	12800	88.5	<0.050	369	<1.0	<5.0
		Dissolved	<4.0	<0.50	<0.50	36.5	<0.20	<0.080	94600	<0.50	0.60	1.2	<50.0	<0.10	12300	23.8	<0.20	5.4	2.3	1240	0.63	<0.50	2510	<0.10	<0.10	10.0												
		Potentially Dissolved	5.3J	0.11J	1.6	34.7	<0.50	<0.50	95700	0.67J	<1.0	<1.0	67.5	0.30J	13600	21.4	<0.20	5.1	<1.0	1240	0.35J	0.065J	2590	0.33J	<1.0	5.0J												
EH-5E INFLOW	11/28/12	Total	<4.0	<0.50	<0.50	39.8	<0.20	<0.080	102000	<0.50	<0.50	0.73	<50.0	<0.10	11800	5.3	<0.20	3.1	0.55	1320	<0.50	<0.50	2850	<0.10	0.11	<5.0	213	3.7	0.0055	304000	0.17	355	13700	81.1	<0.050	363	<1.0	8.0
		Dissolved	7.2	<0.50	<0.50	39.9	<0.20	<0.080	95800	<0.50	<0.50	<0.50	93.6	0.20	11200	5.1	<0.20	3.1	<0.50	1260	0.50	<0.50	2850	<0.10	0.12	<5.0												
		Potentially Dissolved	25.4J	0.11J	0.82J	42.6	<0.50	<0.50	104000	0.72J	<1.0	0.67J	183	1.8	12600	5.7	<0.20	2.8	<1.0	1380	0.42J	0.066J	3060	0.34J	<1.0	8.5J												
POND 15	11/27/12	Total	434	<0.50	0.96	20.7	0.64	15.6	238000	<0.50	2.9	93.0	4770	9.3	20000	1650	<0.20	21.1	4.4	13700	<0.50	<0.50	11500	<0.10	<0.10	2880	104	<1.0	<0.0050	678000	<0.10	770	15900	683	<0.050	1040	<1.0	<5.0
		Dissolved	<4.0	<0.50	<0.50	19.5	<0.20	11.9	243000	<0.50	2.5	2.6	<50.0	<0.10	18800	1700	<0.20	17.4	4.0	12000	<0.50	<0.50	10900	<0.10	<0.10	2230												
		Potentially Dissolved	382	0.29J	0.73J	19.0	0.41J	13.4	246000	0.80J	2.3	76.4	4360	9.2	20500	1690	<0.20	18.8	3.8	12500	<1.0	0.18J	11800	0.45J	<1.0	2490												
POND 15 SEEP	11/27/12	Total	9.3	<0.50	<0.50	60.9	<0.20	<0.080	87400	<0.50	<0.50	<0.50	112	0.38	9820	70.8	<0.20	1.7	<0.50	3120	0.55	<0.50	3150	<0.10	<0.10	12.3	123	1.0	0.0061	259000	<0.10	318	7310	136	<0.050	313	<1.0	<5.0
		Dissolved	<4.0	<0.50	<0.50	58.4	<0.20	<0.080	76900	<0.50	<0.50	1.2	<50.0	<0.10	9250	66.6	<0.20	1.7	0.60	3010	0.50	<0.50	3250	<0.10	<0.10	12.1												
		Potentially Dissolved	5.8J	0.093J	<1.0	55.9	<0.50	<0.50	83000	0.67J	<1.0	0.54J	115	0.46J	9880	71.2	<0.20	1.7	<1.0	3020	0.46J	0.061J	3250	0.33J	<1.0	12.4												
CHV-101	11/27/12	Total	3210	<0.50	3.3	120	0.24	0.36	208000	6.5	4.9	9.5	4760	17.4	26300	5470	<0.20	20.7	7.3	9960	<0.50	<0.50	30100	0.13	5.9	70.1	141	7.2	<0.0050	628000	<0.10	762	23500	560	<0.050	955	3.8	194
		Dissolved	52.3	<0.50	<0.50	48.9	<0.20	0.10	213000	<0.50	2.9	1.3	81.9	0.48	25900	5570	<0.20	18.6	5.1	8180	<0.50	<0.50	31500	<0.10	0.17	21.3												
		Potentially Dissolved	877	0.18J	1.3	54.4	0.18J	0.33J	192000	3.8	3.3	4.9	1560	16.9	24400	5940	<0.20	17.8	4.1	7480	<1.0	<0.50	30500	0.085J	1.9	44.8												

ANDERSON
ENGINEERING COMPANY INC.

Appendix C

Project Narrative and Laboratory Analytical Reports

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

January 08, 2013

Mark DeFriez
Anderson Engineering Company I
977 W 2100 S.
Salt Lake City, UT 84119

RE: Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Dear Mark DeFriez:
Enclosed are the analytical results for sample(s) received by the laboratory on November 30, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather M. Wilson

Heather Wilson

heather.wilson@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

Montana Certification IDs
602 South 25th Street, Billings, MT 59101
EPA Region 8 Certification #: 8TMS-Q
Idaho Certification #: MT00012
Montana Certification #: MT CERT0040
NVLAP Certification #: 101292-0
Minnesota Dept of Health Certification #: 030-999-442
Washington Department of Ecology #: C993

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 12-019-0
Illinois Certification #: 002885
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-12-3
Utah Certification #: KS000212012-2

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SAMPLE SUMMARY

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60134390001	**DR-1_20121127**	Water	11/27/12 10:25	11/30/12 10:00
60134390002	**DR-2_20121127**	Water	11/28/12 09:35	11/30/12 10:00
60134390003	**DR-3_20121127**	Water	11/27/12 11:02	11/30/12 10:00
60134390004	**DR-4_20121127**	Water	11/27/12 11:45	11/30/12 10:00
60134390005	**DR-5_20121127**	Water	11/28/12 09:30	11/30/12 10:00
60134390006	**DR-6_20121127**	Water	11/28/12 08:50	11/30/12 10:00
60134390007	**DR-7_20121127**	Water	11/28/12 14:20	11/30/12 10:00
60134390008	**DR-8_20121127**	Water	11/27/12 11:10	11/30/12 10:00
60134390009	**DR-4-SW_20121127**	Water	11/28/12 16:10	11/30/12 10:00
60134390010	**DR-G_20121127**	Water	11/28/12 16:55	11/30/12 10:00
60134390011	**FB_20121127**	Water	11/27/12 10:50	11/30/12 10:00
60134390012	**GW-1_20121127**	Water	11/27/12 10:30	11/30/12 10:00
60134390013	**GW-3_20121127**	Water	11/28/12 16:30	11/30/12 10:00
60134390014	**GW-4_20121127**	Water	11/27/12 12:30	11/30/12 10:00
60134390015	**GW-5_20121127**	Water	11/27/12 12:40	11/30/12 10:00
60134390016	**GW-6_20121127**	Water	11/27/12 14:15	11/30/12 10:00
60134390017	**GW-7_20121127**	Water	11/27/12 13:20	11/30/12 10:00
60134390018	**EB-1_20121127**	Water	11/27/12 12:50	11/30/12 10:00
60134390019	**EB-2_20121127**	Water	11/27/12 13:50	11/30/12 10:00
60134390020	**MW-1 DEEP_20121127**	Water	11/27/12 15:45	11/30/12 10:00
60134390021	**MW-1 SHALLOW_20121127**	Water	11/27/12 15:40	11/30/12 10:00
60134390022	**MW-2 DEEP_20121127**	Water	11/27/12 15:15	11/30/12 10:00
60134390023	**MW-3 DEEP_20121127**	Water	11/27/12 15:05	11/30/12 10:00
60134390024	**MW-4 DEEP_20121127**	Water	11/27/12 16:05	11/30/12 10:00
60134390025	**MW-4 SHALLOW_20121127**	Water	11/27/12 16:00	11/30/12 10:00
60134390026	**MW-5 DEEP_20121127**	Water	11/27/12 14:00	11/30/12 10:00
60134390027	**MW-5 SHALLOW_20121127**	Water	11/27/12 14:05	11/30/12 10:00
60134390028	**MW-6 DEEP_20121127**	Water	11/27/12 14:45	11/30/12 10:00
60134390029	**MW-6 SHALLOW_20121127**	Water	11/27/12 14:40	11/30/12 10:00
60134390030	**MW-101_20121127**	Water	11/27/12 13:05	11/30/12 10:00
60134390031	**MW-102_20121127**	Water	11/27/12 13:35	11/30/12 10:00
60134390032	**MW-103_20121127**	Water	11/27/12 09:45	11/30/12 10:00
60134390033	**MW-104_20121127**	Water	11/28/12 09:50	11/30/12 10:00
60134390034	**MW-204_20121127**	Water	11/27/12 11:05	11/30/12 10:00
60134390035	**CHV-101_20121127**	Water	11/27/12 11:10	11/30/12 10:00
60134390036	**P13-102_20121127**	Water	11/27/12 15:30	11/30/12 10:00
60134390037	**P13-103_20121127**	Water	11/28/12 15:20	11/30/12 10:00

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Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60134390038	**AT-2_20121127**	Water	11/27/12 12:15	11/30/12 10:00
60134390039	**POND15_20121127**	Water	11/27/12 11:35	11/30/12 10:00
60134390040	**DR-1 COMP_20121127**	Water	11/28/12 15:50	11/30/12 10:00
60134390041	**DR-2 COMP_20121127**	Water	11/28/12 13:45	11/30/12 10:00
60134390042	**DR-7 COMP_20121127**	Water	11/28/12 14:25	11/30/12 10:00
60134390043	**DR-4-SW COMP_20121127**	Water	11/28/12 16:20	11/30/12 10:00
60134390044	**DR-7 COMPARTMENT 1_20121127**	Water	11/28/12 14:27	11/30/12 10:00
60134390045	**DR-7 COMPARTMENT 2_20121127**	Water	11/28/12 14:28	11/30/12 10:00
60134390046	**DR-7 COMPARTMENT 3_20121127**	Water	11/28/12 14:29	11/30/12 10:00
60134390047	**DR-7 COMPARTMENT 4_20121127**	Water	11/28/12 14:30	11/30/12 10:00
60134390048	**DR-7 COMPARTMENT 5_20121127**	Water	11/28/12 14:32	11/30/12 10:00
60134390049	**EH-5_20121127**	Water	11/28/12 10:25	11/30/12 10:00
60134390050	**EH-5A_20121127**	Water	11/28/12 10:30	11/30/12 10:00
60134390051	**EH-5B_20121127**	Water	11/28/12 10:35	11/30/12 10:00
60134390052	**EH-5C_20121127**	Water	11/28/12 11:15	11/30/12 10:00
60134390053	**EH-5D_POND_20121127**	Water	11/28/12 10:55	11/30/12 10:00
60134390054	**EH-5E_POND_20121127**	Water	11/28/12 10:50	11/30/12 10:00
60134390055	**EH-5E_INFLOW_20121127**	Water	11/28/12 10:45	11/30/12 10:00
60134390056	**EH-5_POND_20121127**	Water	11/28/12 10:28	11/30/12 10:00
60134390057	**POND15_SEEP_20121127**	Water	11/27/12 11:40	11/30/12 10:00

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60134390001	**DR-1_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390002	**DR-2_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390003	**DR-3_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390004	**DR-4_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390005	**DR-5_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390006	**DR-6_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390007	**DR-7_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390008	**DR-8_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390009	**DR-4-SW_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390010	**DR-G_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390011	**FB_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390012	**GW-1_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390013	**GW-3_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390014	**GW-4_20121127**	EPA 200.7	JGP	4	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390015	**GW-5_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390016	**GW-6_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390017	**GW-7_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390018	**EB-1_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390019	**EB-2_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390020	**MW-1 DEEP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390021	**MW-1 SHALLOW_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390022	**MW-2 DEEP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390023	**MW-3 DEEP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390024	**MW-4 DEEP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5310C	SEL	1	PASI-K
60134390025	**MW-4 SHALLOW_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390026	**MW-5 DEEP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390027	**MW-5 SHALLOW_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390028	**MW-6 DEEP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390029	**MW-6 SHALLOW_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390030	**MW-101_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390031	**MW-102_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390032	**MW-103_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390033	**MW-104_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390034	**MW-204_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390035	**CHV-101_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390036	**P13-102_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390037	**P13-103_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60134390038	**AT-2_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	JGP	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390039	**POND15_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390040	**DR-1 COMP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M

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Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390041	**DR-2 COMP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390042	**DR-7 COMP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390043	**DR-4-SW COMP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390049	**EH-5_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390050	**EH-5A_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390051	**EH-5B_20121127**	EPA 200.7	JGP	4	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390052	**EH-5C_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390053	**EH-5D_POND_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390054	**EH-5E_POND_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390055	**EH-5E_INFLOW_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390056	**EH-5_POND_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K
		SM 2540C	JML	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K
60134390057	**POND15_SEEP_20121127**	EPA 200.7	JGP	4	PASI-K
		EPA 200.8	RJS	25	PASI-M
		EPA 200.8	RJS	23	PASI-M
		EPA 200.8	SMW	19	PASI-K
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 245.1	TJT	1	PASI-K
		SM 2510B	CAC	1	
		Calculated	CAC	2	
		SM 2320B	DJR	3	PASI-K

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SAMPLE ANALYTE COUNT

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	FJF	1	PASI-K
		SM 2540D	FJF	1	PASI-K
		SM 4500-S-2 D	SRM1	1	PASI-K
		EPA 300.0	AJM	2	PASI-K
		EPA 353.2	SRM1	1	PASI-K
		SM 4500-CN-E	OL	1	PASI-K
		SM 5310C	SEL	1	PASI-K

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.7**
Description: 200.7 Potentially Diss. Metals
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/20743

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390002,60134390012

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1109097)
  - Calcium, Dissolved

QC Batch: MPRP/20744

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390022,60134390032

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1109102)
  - Calcium, Dissolved
- MS (Lab ID: 1109104)
  - Calcium, Dissolved
- MSD (Lab ID: 1109103)
  - Calcium, Dissolved

QC Batch: MPRP/20745

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390042,60134390052

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1109107)

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.7**
Description: 200.7 Potentially Diss. Metals
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

QC Batch: MPRP/20745

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390042,60134390052

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Calcium, Dissolved
- MS (Lab ID: 1109109)
  - Calcium, Dissolved

Additional Comments:

Analyte Comments:

QC Batch: MPRP/20743

B: Analyte was detected in the associated method blank.

- FB_20121127 (Lab ID: 60134390011)
  - Calcium, Dissolved

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 MET ICPMS
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 200.8. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/36739

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390021

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1344865)
  - Silica
  - Total Hardness by 2340B
- MSD (Lab ID: 1344866)
  - Silica
  - Total Hardness by 2340B

QC Batch: MPRP/36738

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 1344862)
  - Total Hardness by 2340B

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 MET ICPMS
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

QC Batch: MPRP/36740

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390041

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1344869)
  - Total Hardness by 2340B
- MSD (Lab ID: 1344870)
  - Silica
  - Total Hardness by 2340B

Additional Comments:

Analyte Comments:

QC Batch: MPRP/36739

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MW-5 SHALLOW_20121127 (Lab ID: 60134390027)
  - Antimony

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 1344865)
  - Calcium
- MSD (Lab ID: 1344866)
  - Calcium

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 MET ICPMS, Dissolved
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 200.8. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/36741

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390001

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- MSD (Lab ID: 1344874)
  - Copper, Dissolved

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1344873)
  - Calcium, Dissolved
  - Magnesium, Dissolved
  - Sodium, Dissolved
- MSD (Lab ID: 1344874)
  - Calcium, Dissolved
  - Magnesium, Dissolved
  - Sodium, Dissolved

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 MET ICPMS, Dissolved
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

Analyte Comments:

QC Batch: MPRP/36742

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MW-103_20121127 (Lab ID: 60134390032)
  - Beryllium, Dissolved

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 1344877)
  - Calcium, Dissolved
- MSD (Lab ID: 1344878)
  - Calcium, Dissolved

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 Potentially Diss. Metals
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 200.8. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/20736

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390001,60134390010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1108709)
  - Manganese, Dissolved

QC Batch: MPRP/20737

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390020,60134390030

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1108713)
  - Zinc, Dissolved
- MS (Lab ID: 1108715)
  - Iron, Dissolved

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 Potentially Diss. Metals
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

QC Batch: MPRP/20738

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390039,60134390050

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1108719)
  - Manganese, Dissolved
  - Zinc, Dissolved
- MS (Lab ID: 1108721)
  - Manganese, Dissolved
- MSD (Lab ID: 1108720)
  - Manganese, Dissolved
  - Zinc, Dissolved

Additional Comments:

Analyte Comments:

QC Batch: MPRP/20736

B: Analyte was detected in the associated method blank.

- DR-1_20121127 (Lab ID: 60134390001)
  - Zinc, Dissolved
- DR-2_20121127 (Lab ID: 60134390002)
  - Zinc, Dissolved
- FB_20121127 (Lab ID: 60134390011)
  - Barium, Dissolved
  - Zinc, Dissolved

QC Batch: MPRP/20737

B: Analyte was detected in the associated method blank.

- MW-104_20121127 (Lab ID: 60134390033)
  - Lead, Dissolved
- MW-2 DEEP_20121127 (Lab ID: 60134390022)
  - Lead, Dissolved
  - Zinc, Dissolved

QC Batch: MPRP/20738

B: Analyte was detected in the associated method blank.

- DR-1 COMP_20121127 (Lab ID: 60134390040)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- DR-2 COMP_20121127 (Lab ID: 60134390041)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 Potentially Diss. Metals
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

Analyte Comments:

QC Batch: MPRP/20738

B: Analyte was detected in the associated method blank.

- DR-4-SW COMP_20121127 (Lab ID: 60134390043)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- DR-7 COMPARTMENT 1_20121127 (Lab ID: 60134390044)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- DR-7 COMPARTMENT 2_20121127 (Lab ID: 60134390045)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- DR-7 COMPARTMENT 3_20121127 (Lab ID: 60134390046)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- DR-7 COMPARTMENT 4_20121127 (Lab ID: 60134390047)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- DR-7 COMPARTMENT 5_20121127 (Lab ID: 60134390048)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- DR-7 COMP_20121127 (Lab ID: 60134390042)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5A_20121127 (Lab ID: 60134390050)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5B_20121127 (Lab ID: 60134390051)
  - Silver, Dissolved
  - Lead, Dissolved

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 200.8**
Description: 200.8 Potentially Diss. Metals
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

Analyte Comments:

QC Batch: MPRP/20738

B: Analyte was detected in the associated method blank.

- EH-5B_20121127 (Lab ID: 60134390051)
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5C_20121127 (Lab ID: 60134390052)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5D_POND_20121127 (Lab ID: 60134390053)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5E_INFLOW_20121127 (Lab ID: 60134390055)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5E_POND_20121127 (Lab ID: 60134390054)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5_20121127 (Lab ID: 60134390049)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- EH-5_POND_20121127 (Lab ID: 60134390056)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- POND15_20121127 (Lab ID: 60134390039)
  - Silver, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved
- POND15_SEEP_20121127 (Lab ID: 60134390057)
  - Silver, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Thallium, Dissolved

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 245.1**
Description: 245.1 Mercury
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 245.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/7835

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10213888002,60134390012

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1344826)
  - Mercury

QC Batch: MERP/7836

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390013,60134390032

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1344833)
  - Mercury
- MSD (Lab ID: 1344832)
  - Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 245.1**
Description: 245.1 Mercury, Dissolved
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 245.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 245.1**
Description: 245.1 Potentially Diss Mercury
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 245.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **SM 2510B**
Description: 2510B Specific Conductance
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for SM 2510B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **Calculated**
Description: Salinity
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for Calculated. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **SM 2320B**
Description: 2320B Alkalinity
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for SM 2320B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: WET/38618

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- EH-5_20121127 (Lab ID: 60134390049)
  - Alkalinity, Carbonate (CaCO3)

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **SM 2540C**
Description: 2540C Total Dissolved Solids
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for SM 2540C. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **SM 2540D**
Description: 2540D Total Suspended Solids
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **SM 4500-S-2 D**
Description: 4500S2D Sulfide, Total
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for SM 4500-S-2 D. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 300.0**
Description: 300.0 IC Anions 28 Days
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/22816

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390041

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1111565)
  - Nitrogen, NO2 plus NO3

QC Batch: WETA/22817

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134390051

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1111569)
  - Nitrogen, NO2 plus NO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **SM 4500-CN-E**
Description: 4500CNE Cyanide, Total
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Method: **SM 5310C**
Description: 5310C TOC
Client: BP Anderson Engineering Company Inc.
Date: January 08, 2013

General Information:
57 samples were analyzed for SM 5310C. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/22752

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60134461001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1108821)
  - Total Organic Carbon

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-1_20121127 **Lab ID: 60134390001** Collected: 11/27/12 10:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**56000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:06	7440-70-2	
Magnesium, Dissolved	**8020**	ug/L	250	5	12/05/12 16:15	12/11/12 10:06	7439-95-4	
Potassium, Dissolved	**610**	ug/L	500	1	12/05/12 16:15	12/11/12 14:06	7440-09-7	
Sodium, Dissolved	**2900**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:06	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**12.1**	ug/L	4.0	1	12/08/12 10:56	12/11/12 05:42	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7440-38-2	
Barium	**71.8**	ug/L	0.30	1	12/08/12 10:56	12/11/12 05:42	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/11/12 05:42	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/08/12 10:56	12/11/12 05:42	7440-43-9	
Calcium	**58400**	ug/L	100	5	12/08/12 10:56	12/11/12 05:57	7440-70-2	M6
Chromium	**0.66**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7440-48-4	
Copper	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7440-50-8	
Iron	ND	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:42	7439-89-6	
Lead	**0.10**	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:42	7439-92-1	
Magnesium	**7680**	ug/L	5.0	1	12/08/12 10:56	12/11/12 05:42	7439-95-4	
Manganese	**20.7**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7439-96-5	
Molybdenum	**0.99**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7440-02-0	
Potassium	**724**	ug/L	20.0	1	12/08/12 10:56	12/11/12 05:42	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7782-49-2	
Silica	**6830**	ug/L	268	5	12/08/12 10:56	12/11/12 05:57	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:42	7440-22-4	
Sodium	**2910**	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:42	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:42	7440-28-0	
Total Hardness by 2340B	**177000**	ug/L	355	5	12/08/12 10:56	12/11/12 05:57		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:42	7440-62-2	
Zinc	ND	ug/L	5.0	1	12/08/12 10:56	12/11/12 05:42	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.8**	ug/L	4.0	1	12/10/12 09:30	12/18/12 16:31	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7440-38-2	
Barium, Dissolved	**75.6**	ug/L	0.30	1	12/10/12 09:30	12/18/12 16:31	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/18/12 16:31	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:30	12/18/12 16:31	7440-43-9	
Calcium, Dissolved	**55300**	ug/L	100	5	12/10/12 09:30	12/18/12 04:23	7440-70-2	M1
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7440-48-4	
Copper, Dissolved	**0.69**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7440-50-8	M6
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:30	12/18/12 16:31	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/18/12 16:31	7439-92-1	
Magnesium, Dissolved	**8320**	ug/L	5.0	1	12/10/12 09:30	12/18/12 16:31	7439-95-4	M1

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-1_20121127 **Lab ID: 60134390001** Collected: 11/27/12 10:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**20.2**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7439-96-5	
Molybdenum, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7439-98-7	
Nickel, Dissolved	**0.90**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7440-02-0	
Potassium, Dissolved	**786**	ug/L	20.0	1	12/10/12 09:30	12/18/12 16:31	7440-09-7	
Selenium, Dissolved	**0.55**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:31	7440-22-4	
Sodium, Dissolved	**3180**	ug/L	50.0	1	12/10/12 09:30	12/18/12 16:31	7440-23-5	M1
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/18/12 16:31	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/18/12 16:31	7440-62-2	
Zinc, Dissolved	**5.5**	ug/L	5.0	1	12/10/12 09:30	12/18/12 16:31	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**76.8**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:22	7429-90-5	
Antimony, Dissolved	**0.078J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-36-0	
Arsenic, Dissolved	**0.15J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-38-2	
Barium, Dissolved	**66.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:22	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:22	7440-43-9	
Chromium, Dissolved	**0.79J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-48-4	
Copper, Dissolved	**0.72J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-50-8	
Iron, Dissolved	**50.4**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:22	7439-89-6	
Lead, Dissolved	**0.88J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7439-92-1	
Manganese, Dissolved	**22.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7439-96-5	
Molybdenum, Dissolved	**1.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-02-0	
Selenium, Dissolved	**0.41J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7782-49-2	
Silver, Dissolved	**0.10J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:22	7440-22-4	
Thallium, Dissolved	**0.055J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:22	7440-62-2	
Zinc, Dissolved	**8.3J**	ug/L	10.0	1	12/05/12 09:00	12/06/12 13:22	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 11:43	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:11	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 12:56	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**362**	umhos/cm	10.0	1		12/06/12 14:12		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**232**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-1_20121127 **Lab ID: 60134390001** Collected: 11/27/12 10:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.17**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**118**	mg/L	20.0	1		12/04/12 13:22		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:22		
Alkalinity, Total as CaCO3	**118**	mg/L	20.0	1		12/04/12 13:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**213**	mg/L	5.0	1		12/03/12 16:34		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:01		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.0**	mg/L	1.0	1		12/03/12 13:32	16887-00-6	
Sulfate	**68.5**	mg/L	5.0	5		12/03/12 13:49	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:06		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:19	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 09:35	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-2_20121127 **Lab ID: 60134390002** Collected: 11/28/12 09:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**80400**	ug/L	500	5	12/05/12 16:15	12/11/12 10:09	7440-70-2	M1
Magnesium, Dissolved	**10100**	ug/L	250	5	12/05/12 16:15	12/11/12 10:09	7439-95-4	
Potassium, Dissolved	**1190**	ug/L	500	1	12/05/12 16:15	12/11/12 13:46	7440-09-7	
Sodium, Dissolved	**3880**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:09	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**18.3**	ug/L	4.0	1	12/08/12 10:56	12/11/12 05:02	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7440-38-2	
Barium	**67.0**	ug/L	0.30	1	12/08/12 10:56	12/11/12 05:02	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/11/12 05:02	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/08/12 10:56	12/11/12 05:02	7440-43-9	
Calcium	**88800**	ug/L	400	20	12/08/12 10:56	12/11/12 05:06	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7440-48-4	
Copper	**0.69**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7440-50-8	
Iron	**108**	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:02	7439-89-6	
Lead	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:02	7439-92-1	
Magnesium	**10200**	ug/L	5.0	1	12/08/12 10:56	12/11/12 05:02	7439-95-4	
Manganese	**438**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7439-96-5	
Molybdenum	**1.5**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7440-02-0	
Potassium	**1350**	ug/L	20.0	1	12/08/12 10:56	12/11/12 05:02	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7782-49-2	
Silica	**8500**	ug/L	1070	20	12/08/12 10:56	12/11/12 05:06	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:02	7440-22-4	
Sodium	**4070**	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:02	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:02	7440-28-0	
Total Hardness by 2340B	**264000**	ug/L	1420	20	12/08/12 10:56	12/11/12 05:06		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:02	7440-62-2	
Zinc	**13.0**	ug/L	5.0	1	12/08/12 10:56	12/11/12 05:02	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**9.4**	ug/L	4.0	1	12/10/12 09:30	12/18/12 16:26	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7440-38-2	
Barium, Dissolved	**69.8**	ug/L	0.30	1	12/10/12 09:30	12/18/12 16:26	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/18/12 03:34	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:30	12/18/12 16:26	7440-43-9	
Calcium, Dissolved	**90300**	ug/L	100	5	12/10/12 09:30	12/18/12 03:39	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7440-48-4	
Copper, Dissolved	**0.75**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7440-50-8	
Iron, Dissolved	**187**	ug/L	50.0	1	12/10/12 09:30	12/18/12 16:26	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/18/12 16:26	7439-92-1	
Magnesium, Dissolved	**10700**	ug/L	5.0	1	12/10/12 09:30	12/18/12 16:26	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-2_20121127 **Lab ID: 60134390002** Collected: 11/28/12 09:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**450**	ug/L	2.5	5	12/10/12 09:30	12/18/12 03:39	7439-96-5	
Molybdenum, Dissolved	**1.6**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7439-98-7	
Nickel, Dissolved	**0.83**	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7440-02-0	
Potassium, Dissolved	**1430**	ug/L	20.0	1	12/10/12 09:30	12/18/12 16:26	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/18/12 16:26	7440-22-4	
Sodium, Dissolved	**4290**	ug/L	50.0	1	12/10/12 09:30	12/18/12 16:26	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/18/12 16:26	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/18/12 16:26	7440-62-2	
Zinc, Dissolved	**14.8**	ug/L	5.0	1	12/10/12 09:30	12/18/12 16:26	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**9.1J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:39	7429-90-5	
Antimony, Dissolved	**0.078J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-36-0	
Arsenic, Dissolved	**0.22J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-38-2	
Barium, Dissolved	**68.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:39	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:39	7440-43-9	
Chromium, Dissolved	**0.84J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-47-3	
Cobalt, Dissolved	**0.14J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-48-4	
Copper, Dissolved	**0.52J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-50-8	
Iron, Dissolved	**104**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:39	7439-89-6	
Lead, Dissolved	**1.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7439-92-1	
Manganese, Dissolved	**454**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7439-96-5	
Molybdenum, Dissolved	**1.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-02-0	
Selenium, Dissolved	**0.44J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7782-49-2	
Silver, Dissolved	**0.079J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:39	7440-22-4	
Thallium, Dissolved	**0.065J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:39	7440-62-2	
Zinc, Dissolved	**15.7**	ug/L	10.0	1	12/05/12 09:00	12/06/12 13:39	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 11:45	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:14	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 12:58	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**506**	umhos/cm	10.0	1		12/06/12 14:12		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**324**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-2_20121127 **Lab ID: 60134390002** Collected: 11/28/12 09:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.24**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**129**	mg/L	20.0	1		12/04/12 13:26		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:26		
Alkalinity, Total as CaCO3	**129**	mg/L	20.0	1		12/04/12 13:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**325**	mg/L	5.0	1		12/04/12 15:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:28		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:56	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.0**	mg/L	1.0	1		12/03/12 15:12	16887-00-6	
Sulfate	**151**	mg/L	20.0	20		12/04/12 04:26	14808-79-8	M6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:08		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:22	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 10:03	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-3_20121127 **Lab ID: 60134390003** Collected: 11/27/12 11:02 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**226000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:23	7440-70-2	
Magnesium, Dissolved	**19600**	ug/L	250	5	12/05/12 16:15	12/11/12 10:23	7439-95-4	
Potassium, Dissolved	**11300**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:23	7440-09-7	
Sodium, Dissolved	**11200**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:23	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**739**	ug/L	4.0	1	12/08/12 10:56	12/11/12 05:11	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7440-36-0	
Arsenic	**1.6**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7440-38-2	
Barium	**20.6**	ug/L	0.30	1	12/08/12 10:56	12/11/12 05:11	7440-39-3	
Beryllium	**0.97**	ug/L	0.20	1	12/08/12 10:56	12/11/12 05:11	7440-41-7	
Cadmium	**16.8**	ug/L	0.080	1	12/08/12 10:56	12/11/12 05:11	7440-43-9	
Calcium	**253000**	ug/L	400	20	12/08/12 10:56	12/11/12 05:15	7440-70-2	
Chromium	**0.79**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7440-47-3	
Cobalt	**2.7**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7440-48-4	
Copper	**157**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7440-50-8	
Iron	**8200**	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:11	7439-89-6	
Lead	**16.2**	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:11	7439-92-1	
Magnesium	**19300**	ug/L	5.0	1	12/08/12 10:56	12/11/12 05:11	7439-95-4	
Manganese	**1840**	ug/L	10.0	20	12/08/12 10:56	12/11/12 05:15	7439-96-5	
Molybdenum	**20.6**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7439-98-7	
Nickel	**4.1**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7440-02-0	
Potassium	**12000**	ug/L	20.0	1	12/08/12 10:56	12/11/12 05:11	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7782-49-2	
Silica	**18400**	ug/L	1070	20	12/08/12 10:56	12/11/12 05:15	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:11	7440-22-4	
Sodium	**11600**	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:11	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:11	7440-28-0	
Total Hardness by 2340B	**711000**	ug/L	1420	20	12/08/12 10:56	12/11/12 05:15		
Vanadium	**0.17**	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:11	7440-62-2	
Zinc	**3450**	ug/L	100	20	12/08/12 10:56	12/11/12 05:15	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**36.8**	ug/L	4.0	1	12/10/12 09:30	12/14/12 03:18	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7440-38-2	
Barium, Dissolved	**20.2**	ug/L	0.30	1	12/10/12 09:30	12/14/12 03:18	7440-39-3	
Beryllium, Dissolved	**0.35**	ug/L	0.20	1	12/10/12 09:30	12/14/12 03:18	7440-41-7	
Cadmium, Dissolved	**15.5**	ug/L	0.080	1	12/10/12 09:30	12/14/12 03:18	7440-43-9	
Calcium, Dissolved	**231000**	ug/L	400	20	12/10/12 09:30	12/18/12 03:43	7440-70-2	
Chromium, Dissolved	**0.80**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7440-47-3	
Cobalt, Dissolved	**3.3**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7440-48-4	
Copper, Dissolved	**8.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7440-50-8	
Iron, Dissolved	**1010**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:18	7439-89-6	
Lead, Dissolved	**0.29**	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:18	7439-92-1	
Magnesium, Dissolved	**18800**	ug/L	5.0	1	12/10/12 09:30	12/14/12 03:18	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-3_20121127 **Lab ID: 60134390003** Collected: 11/27/12 11:02 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1720**	ug/L	10.0	20	12/10/12 09:30	12/18/12 03:43	7439-96-5	
Molybdenum, Dissolved	**18.7**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7439-98-7	
Nickel, Dissolved	**5.3**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7440-02-0	
Potassium, Dissolved	**11900**	ug/L	20.0	1	12/10/12 09:30	12/14/12 03:18	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:18	7440-22-4	
Sodium, Dissolved	**10500**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:18	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:18	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:18	7440-62-2	
Zinc, Dissolved	**2990**	ug/L	100	20	12/10/12 09:30	12/18/12 03:43	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**684**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:43	7429-90-5	
Antimony, Dissolved	**0.29J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-36-0	
Arsenic, Dissolved	**1.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-38-2	
Barium, Dissolved	**19.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-39-3	
Beryllium, Dissolved	**0.75**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:43	7440-41-7	
Cadmium, Dissolved	**15.7**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:43	7440-43-9	
Chromium, Dissolved	**1.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-47-3	
Cobalt, Dissolved	**2.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-48-4	
Copper, Dissolved	**140**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-50-8	
Iron, Dissolved	**7940**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:43	7439-89-6	
Lead, Dissolved	**17.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7439-92-1	
Manganese, Dissolved	**1790**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7439-96-5	
Molybdenum, Dissolved	**19.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7439-98-7	
Nickel, Dissolved	**2.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:43	7440-22-4	
Thallium, Dissolved	**0.080J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:43	7440-62-2	
Zinc, Dissolved	**2830**	ug/L	10.0	1	12/05/12 09:00	12/06/12 13:43	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 11:48	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:21	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:00	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1210**	umhos/cm	10.0	1		12/06/12 14:13		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**776**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-3_20121127 **Lab ID: 60134390003** Collected: 11/27/12 11:02 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.69**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**107**	mg/L	20.0	1		12/04/12 13:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:30		
Alkalinity, Total as CaCO3	**107**	mg/L	20.0	1		12/04/12 13:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1010**	mg/L	5.0	1		12/03/12 16:35		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**16.0**	mg/L	5.0	1		12/04/12 09:02		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/03/12 16:53	16887-00-6	
Sulfate	**641**	mg/L	50.0	50		12/03/12 17:09	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:10		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:23	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 10:46	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4_20121127 **Lab ID: 60134390004** Collected: 11/27/12 11:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**230000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:26	7440-70-2	
Magnesium, Dissolved	**19800**	ug/L	250	5	12/05/12 16:15	12/11/12 10:26	7439-95-4	
Potassium, Dissolved	**11600**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:26	7440-09-7	
Sodium, Dissolved	**11200**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:26	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**302**	ug/L	4.0	1	12/08/12 10:56	12/11/12 05:19	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7440-36-0	
Arsenic	**0.60**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7440-38-2	
Barium	**19.7**	ug/L	0.30	1	12/08/12 10:56	12/11/12 05:19	7440-39-3	
Beryllium	**0.32**	ug/L	0.20	1	12/08/12 10:56	12/11/12 05:19	7440-41-7	
Cadmium	**14.1**	ug/L	0.080	1	12/08/12 10:56	12/11/12 05:19	7440-43-9	
Calcium	**242000**	ug/L	400	20	12/08/12 10:56	12/11/12 05:24	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7440-47-3	
Cobalt	**2.6**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7440-48-4	
Copper	**65.1**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7440-50-8	
Iron	**3420**	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:19	7439-89-6	
Lead	**6.6**	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:19	7439-92-1	
Magnesium	**19200**	ug/L	5.0	1	12/08/12 10:56	12/11/12 05:19	7439-95-4	
Manganese	**1730**	ug/L	10.0	20	12/08/12 10:56	12/11/12 05:24	7439-96-5	
Molybdenum	**19.1**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7439-98-7	
Nickel	**4.1**	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7440-02-0	
Potassium	**12200**	ug/L	20.0	1	12/08/12 10:56	12/11/12 05:19	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7782-49-2	
Silica	**16400**	ug/L	1070	20	12/08/12 10:56	12/11/12 05:24	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 05:19	7440-22-4	
Sodium	**11500**	ug/L	50.0	1	12/08/12 10:56	12/11/12 05:19	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:19	7440-28-0	
Total Hardness by 2340B	**684000**	ug/L	1420	20	12/08/12 10:56	12/11/12 05:24		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 05:19	7440-62-2	
Zinc	**2740**	ug/L	100	20	12/08/12 10:56	12/11/12 05:24	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.1**	ug/L	4.0	1	12/10/12 09:30	12/14/12 03:27	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7440-38-2	
Barium, Dissolved	**20.9**	ug/L	0.30	1	12/10/12 09:30	12/14/12 03:27	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 03:27	7440-41-7	
Cadmium, Dissolved	**13.2**	ug/L	0.080	1	12/10/12 09:30	12/14/12 03:27	7440-43-9	
Calcium, Dissolved	**236000**	ug/L	400	20	12/10/12 09:30	12/18/12 03:48	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7440-47-3	
Cobalt, Dissolved	**2.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7440-48-4	
Copper, Dissolved	**2.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:27	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:27	7439-92-1	
Magnesium, Dissolved	**19900**	ug/L	5.0	1	12/10/12 09:30	12/14/12 03:27	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4_20121127 **Lab ID: 60134390004** Collected: 11/27/12 11:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1710**	ug/L	10.0	20	12/10/12 09:30	12/18/12 03:48	7439-96-5	
Molybdenum, Dissolved	**19.5**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7439-98-7	
Nickel, Dissolved	**4.5**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7440-02-0	
Potassium, Dissolved	**12800**	ug/L	20.0	1	12/10/12 09:30	12/14/12 03:27	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:27	7440-22-4	
Sodium, Dissolved	**11000**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:27	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:27	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:27	7440-62-2	
Zinc, Dissolved	**2280**	ug/L	100	20	12/10/12 09:30	12/18/12 03:48	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**292**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:47	7429-90-5	
Antimony, Dissolved	**0.26J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-36-0	
Arsenic, Dissolved	**0.64J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-38-2	
Barium, Dissolved	**45.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-39-3	
Beryllium, Dissolved	**0.36J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:47	7440-41-7	
Cadmium, Dissolved	**13.5**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:47	7440-43-9	
Chromium, Dissolved	**1.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-47-3	
Cobalt, Dissolved	**2.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-48-4	
Copper, Dissolved	**59.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-50-8	
Iron, Dissolved	**3350**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:47	7439-89-6	
Lead, Dissolved	**8.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7439-92-1	
Manganese, Dissolved	**1780**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7439-96-5	
Molybdenum, Dissolved	**19.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7439-98-7	
Nickel, Dissolved	**2.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:47	7440-22-4	
Thallium, Dissolved	**0.076J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:47	7440-62-2	
Zinc, Dissolved	**2370**	ug/L	10.0	1	12/05/12 09:00	12/06/12 13:47	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 11:50	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:29	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:03	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1300**	umhos/cm	10.0	1		12/06/12 14:14		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**833**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4_20121127 **Lab ID: 60134390004** Collected: 11/27/12 11:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.65**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**110**	mg/L	20.0	1		12/04/12 13:36		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:36		
Alkalinity, Total as CaCO3	**110**	mg/L	20.0	1		12/04/12 13:36		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1020**	mg/L	5.0	1		12/03/12 16:35		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:03		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/03/12 18:08	16887-00-6	
Sulfate	**649**	mg/L	50.0	50		12/03/12 18:25	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:11		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:23	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 11:00	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-5_20121127 **Lab ID: 60134390005** Collected: 11/28/12 09:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**234000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:29	7440-70-2	
Magnesium, Dissolved	**20400**	ug/L	250	5	12/05/12 16:15	12/11/12 10:29	7439-95-4	
Potassium, Dissolved	**11600**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:29	7440-09-7	
Sodium, Dissolved	**11400**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:29	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**128**	ug/L	4.0	1	12/08/12 10:56	12/11/12 06:06	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7440-38-2	
Barium	**18.4**	ug/L	0.30	1	12/08/12 10:56	12/11/12 06:06	7440-39-3	
Beryllium	**0.21**	ug/L	0.20	1	12/08/12 10:56	12/11/12 06:06	7440-41-7	
Cadmium	**11.6**	ug/L	0.080	1	12/08/12 10:56	12/11/12 06:06	7440-43-9	
Calcium	**230000**	ug/L	400	20	12/08/12 10:56	12/11/12 06:10	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7440-47-3	
Cobalt	**2.2**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7440-48-4	
Copper	**26.7**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7440-50-8	
Iron	**1480**	ug/L	50.0	1	12/08/12 10:56	12/11/12 06:06	7439-89-6	
Lead	**2.6**	ug/L	0.10	1	12/08/12 10:56	12/11/12 06:06	7439-92-1	
Magnesium	**18900**	ug/L	5.0	1	12/08/12 10:56	12/11/12 06:06	7439-95-4	
Manganese	**1540**	ug/L	10.0	20	12/08/12 10:56	12/11/12 06:10	7439-96-5	
Molybdenum	**16.8**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7439-98-7	
Nickel	**3.6**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7440-02-0	
Potassium	**11600**	ug/L	20.0	1	12/08/12 10:56	12/11/12 06:06	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7782-49-2	
Silica	**14600**	ug/L	1070	20	12/08/12 10:56	12/11/12 06:10	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:06	7440-22-4	
Sodium	**11000**	ug/L	50.0	1	12/08/12 10:56	12/11/12 06:06	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 06:06	7440-28-0	
Total Hardness by 2340B	**652000**	ug/L	1420	20	12/08/12 10:56	12/11/12 06:10		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 06:06	7440-62-2	
Zinc	**2270**	ug/L	100	20	12/08/12 10:56	12/11/12 06:10	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**11.6**	ug/L	4.0	1	12/10/12 09:30	12/14/12 03:35	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7440-38-2	
Barium, Dissolved	**21.0**	ug/L	0.30	1	12/10/12 09:30	12/14/12 03:35	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 03:35	7440-41-7	
Cadmium, Dissolved	**11.9**	ug/L	0.080	1	12/10/12 09:30	12/14/12 03:35	7440-43-9	
Calcium, Dissolved	**251000**	ug/L	400	20	12/10/12 09:30	12/14/12 03:40	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7440-47-3	
Cobalt, Dissolved	**2.5**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7440-48-4	
Copper, Dissolved	**2.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:35	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:35	7439-92-1	
Magnesium, Dissolved	**21100**	ug/L	5.0	1	12/10/12 09:30	12/14/12 03:35	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-5_20121127 **Lab ID: 60134390005** Collected: 11/28/12 09:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1720**	ug/L	10.0	20	12/10/12 09:30	12/14/12 03:40	7439-96-5	
Molybdenum, Dissolved	**19.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7439-98-7	
Nickel, Dissolved	**4.5**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7440-02-0	
Potassium, Dissolved	**13100**	ug/L	20.0	1	12/10/12 09:30	12/14/12 03:35	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:35	7440-22-4	
Sodium, Dissolved	**11400**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:35	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:35	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:35	7440-62-2	
Zinc, Dissolved	**2290**	ug/L	100	20	12/10/12 09:30	12/14/12 03:40	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**132**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:51	7429-90-5	
Antimony, Dissolved	**0.24J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-36-0	
Arsenic, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-38-2	
Barium, Dissolved	**19.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-39-3	
Beryllium, Dissolved	**0.19J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:51	7440-41-7	
Cadmium, Dissolved	**12.1**	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:51	7440-43-9	
Chromium, Dissolved	**2.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-47-3	
Cobalt, Dissolved	**2.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-48-4	
Copper, Dissolved	**26.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-50-8	
Iron, Dissolved	**1560**	ug/L	50.0	1	12/05/12 09:00	12/06/12 13:51	7439-89-6	
Lead, Dissolved	**3.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7439-92-1	
Manganese, Dissolved	**1690**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7439-96-5	
Molybdenum, Dissolved	**18.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7439-98-7	
Nickel, Dissolved	**2.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 13:51	7440-22-4	
Thallium, Dissolved	**0.068J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 13:51	7440-62-2	
Zinc, Dissolved	**2080**	ug/L	10.0	1	12/05/12 09:00	12/06/12 13:51	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 11:57	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:31	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:09	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1280**	umhos/cm	10.0	1		12/06/12 14:16		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**816**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-5_20121127 **Lab ID: 60134390005** Collected: 11/28/12 09:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.63**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**117**	mg/L	20.0	1		12/04/12 13:40		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:40		
Alkalinity, Total as CaCO3	**117**	mg/L	20.0	1		12/04/12 13:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1100**	mg/L	5.0	1		12/04/12 15:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:29		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:57	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/03/12 18:41	16887-00-6	
Sulfate	**667**	mg/L	50.0	50		12/03/12 18:58	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:12		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:27	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 11:14	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-6_20121127 **Lab ID: 60134390006** Collected: 11/28/12 08:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**239000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:40	7440-70-2	
Magnesium, Dissolved	**22300**	ug/L	250	5	12/05/12 16:15	12/11/12 10:40	7439-95-4	
Potassium, Dissolved	**12400**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:40	7440-09-7	
Sodium, Dissolved	**12700**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:40	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**69.8**	ug/L	4.0	1	12/08/12 10:56	12/11/12 06:15	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7440-38-2	
Barium	**18.5**	ug/L	0.30	1	12/08/12 10:56	12/11/12 06:15	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/11/12 06:15	7440-41-7	
Cadmium	**10.8**	ug/L	0.080	1	12/08/12 10:56	12/11/12 06:15	7440-43-9	
Calcium	**271000**	ug/L	400	20	12/08/12 10:56	12/11/12 06:19	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7440-47-3	
Cobalt	**1.9**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7440-48-4	
Copper	**14.6**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7440-50-8	
Iron	**930**	ug/L	50.0	1	12/08/12 10:56	12/11/12 06:15	7439-89-6	
Lead	**1.4**	ug/L	0.10	1	12/08/12 10:56	12/11/12 06:15	7439-92-1	
Magnesium	**20600**	ug/L	5.0	1	12/08/12 10:56	12/11/12 06:15	7439-95-4	
Manganese	**1690**	ug/L	10.0	20	12/08/12 10:56	12/11/12 06:19	7439-96-5	
Molybdenum	**14.9**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7439-98-7	
Nickel	**3.4**	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7440-02-0	
Potassium	**12400**	ug/L	20.0	1	12/08/12 10:56	12/11/12 06:15	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7782-49-2	
Silica	**17800**	ug/L	1070	20	12/08/12 10:56	12/11/12 06:19	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/11/12 06:15	7440-22-4	
Sodium	**12400**	ug/L	50.0	1	12/08/12 10:56	12/11/12 06:15	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 06:15	7440-28-0	
Total Hardness by 2340B	**760000**	ug/L	1420	20	12/08/12 10:56	12/11/12 06:19		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/11/12 06:15	7440-62-2	
Zinc	**2450**	ug/L	100	20	12/08/12 10:56	12/11/12 06:19	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**12.2**	ug/L	4.0	1	12/10/12 09:30	12/14/12 03:44	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7440-38-2	
Barium, Dissolved	**19.9**	ug/L	0.30	1	12/10/12 09:30	12/14/12 03:44	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 03:44	7440-41-7	
Cadmium, Dissolved	**10.8**	ug/L	0.080	1	12/10/12 09:30	12/14/12 03:44	7440-43-9	
Calcium, Dissolved	**264000**	ug/L	400	20	12/10/12 09:30	12/14/12 03:48	7440-70-2	
Chromium, Dissolved	**3.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7440-47-3	
Cobalt, Dissolved	**2.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7440-48-4	
Copper, Dissolved	**2.7**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7440-50-8	
Iron, Dissolved	**132**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:44	7439-89-6	
Lead, Dissolved	**0.13**	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:44	7439-92-1	
Magnesium, Dissolved	**21200**	ug/L	5.0	1	12/10/12 09:30	12/14/12 03:44	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-6_20121127 **Lab ID: 60134390006** Collected: 11/28/12 08:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1720**	ug/L	10.0	20	12/10/12 09:30	12/14/12 03:48	7439-96-5	
Molybdenum, Dissolved	**16.3**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7439-98-7	
Nickel, Dissolved	**5.3**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7440-02-0	
Potassium, Dissolved	**13000**	ug/L	20.0	1	12/10/12 09:30	12/14/12 03:44	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:44	7440-22-4	
Sodium, Dissolved	**11800**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:44	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:44	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:44	7440-62-2	
Zinc, Dissolved	**2360**	ug/L	100	20	12/10/12 09:30	12/14/12 03:48	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**74.9**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:04	7429-90-5	
Antimony, Dissolved	**0.23J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-36-0	
Arsenic, Dissolved	**0.31J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-38-2	
Barium, Dissolved	**20.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-39-3	
Beryllium, Dissolved	**0.14J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:04	7440-41-7	
Cadmium, Dissolved	**11.4**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:04	7440-43-9	
Chromium, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-47-3	
Cobalt, Dissolved	**2.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-48-4	
Copper, Dissolved	**14.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-50-8	
Iron, Dissolved	**1000**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:04	7439-89-6	
Lead, Dissolved	**1.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7439-92-1	
Manganese, Dissolved	**1680**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7439-96-5	
Molybdenum, Dissolved	**17.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7439-98-7	
Nickel, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:04	7440-22-4	
Thallium, Dissolved	**0.070J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:04	7440-62-2	
Zinc, Dissolved	**2010**	ug/L	10.0	1	12/05/12 09:00	12/06/12 14:04	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 12:00	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:33	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:24	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1320**	umhos/cm	10.0	1		12/06/12 14:19		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**847**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-6_20121127 **Lab ID: 60134390006** Collected: 11/28/12 08:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.66**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**138**	mg/L	20.0	1		12/04/12 13:44		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:44		
Alkalinity, Total as CaCO3	**138**	mg/L	20.0	1		12/04/12 13:44		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1130**	mg/L	5.0	1		12/04/12 15:27		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:29		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:58	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/03/12 19:15	16887-00-6	
Sulfate	**691**	mg/L	50.0	50		12/03/12 19:31	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:12		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0052**	mg/L	0.0050	1		12/07/12 14:28	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 11:28	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7_20121127 **Lab ID: 60134390007** Collected: 11/28/12 14:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**102000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:43	7440-70-2	
Magnesium, Dissolved	**13900**	ug/L	250	5	12/05/12 16:15	12/11/12 10:43	7439-95-4	
Potassium, Dissolved	**2780**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:43	7440-09-7	
Sodium, Dissolved	**6960**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:43	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**17.1**	ug/L	4.0	1	12/08/12 10:56	12/13/12 01:05	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7440-36-0	
Arsenic	**1.1**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7440-38-2	
Barium	**63.2**	ug/L	0.30	1	12/08/12 10:56	12/13/12 01:05	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/13/12 01:05	7440-41-7	
Cadmium	**1.4**	ug/L	0.080	1	12/08/12 10:56	12/13/12 01:05	7440-43-9	
Calcium	**104000**	ug/L	400	20	12/08/12 10:56	12/13/12 01:10	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7440-48-4	
Copper	**1.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7440-50-8	
Iron	**286**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:05	7439-89-6	
Lead	**0.18**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:05	7439-92-1	
Magnesium	**13800**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:05	7439-95-4	
Manganese	**417**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7439-96-5	
Molybdenum	**2.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7439-98-7	
Nickel	**0.63**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7440-02-0	
Potassium	**3360**	ug/L	20.0	1	12/08/12 10:56	12/13/12 01:05	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7782-49-2	
Silica	**12300**	ug/L	1070	20	12/08/12 10:56	12/13/12 01:10	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:05	7440-22-4	
Sodium	**7170**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:05	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:05	7440-28-0	
Total Hardness by 2340B	**317000**	ug/L	1420	20	12/08/12 10:56	12/13/12 01:10		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:05	7440-62-2	
Zinc	**260**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:05	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**7.0**	ug/L	4.0	1	12/10/12 09:30	12/14/12 03:53	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7440-36-0	
Arsenic, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7440-38-2	
Barium, Dissolved	**63.0**	ug/L	0.30	1	12/10/12 09:30	12/14/12 03:53	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 03:53	7440-41-7	
Cadmium, Dissolved	**1.3**	ug/L	0.080	1	12/10/12 09:30	12/14/12 03:53	7440-43-9	
Calcium, Dissolved	**111000**	ug/L	400	20	12/10/12 09:30	12/14/12 03:57	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7440-48-4	
Copper, Dissolved	**0.89**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7440-50-8	
Iron, Dissolved	**165**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:53	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:53	7439-92-1	
Magnesium, Dissolved	**13800**	ug/L	5.0	1	12/10/12 09:30	12/14/12 03:53	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7_20121127 **Lab ID: 60134390007** Collected: 11/28/12 14:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**435**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7439-96-5	
Molybdenum, Dissolved	**2.9**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7439-98-7	
Nickel, Dissolved	**1.4**	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7440-02-0	
Potassium, Dissolved	**3440**	ug/L	20.0	1	12/10/12 09:30	12/14/12 03:53	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 03:53	7440-22-4	
Sodium, Dissolved	**6940**	ug/L	50.0	1	12/10/12 09:30	12/14/12 03:53	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:53	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 03:53	7440-62-2	
Zinc, Dissolved	**255**	ug/L	5.0	1	12/10/12 09:30	12/14/12 03:53	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**13.5J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:08	7429-90-5	
Antimony, Dissolved	**0.074J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-36-0	
Arsenic, Dissolved	**0.97J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-38-2	
Barium, Dissolved	**61.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-39-3	
Beryllium, Dissolved	**0.10J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:08	7440-41-7	
Cadmium, Dissolved	**1.3**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:08	7440-43-9	
Chromium, Dissolved	**1.1**	ug/L	1.0	1	12/05/12 09:00	12/07/12 14:12	7440-47-3	
Cobalt, Dissolved	**0.35J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-48-4	
Copper, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-50-8	
Iron, Dissolved	**294**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:08	7439-89-6	
Lead, Dissolved	**0.30J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7439-92-1	
Manganese, Dissolved	**425**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7439-96-5	
Molybdenum, Dissolved	**2.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:08	7440-22-4	
Thallium, Dissolved	**0.040J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:08	7440-62-2	
Zinc, Dissolved	**238**	ug/L	10.0	1	12/05/12 09:00	12/06/12 14:08	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 12:02	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:36	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:26	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**661**	umhos/cm	10.0	1		12/06/12 14:20		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**423**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7_20121127 **Lab ID: 60134390007** Collected: 11/28/12 14:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.32**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**159**	mg/L	20.0	1		12/04/12 13:50		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:50		
Alkalinity, Total as CaCO3	**159**	mg/L	20.0	1		12/04/12 13:50		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**451**	mg/L	5.0	1		12/04/12 15:27		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:29		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:58	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/03/12 19:48	16887-00-6	
Sulfate	**197**	mg/L	20.0	20		12/03/12 20:05	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:15		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:30	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 11:42	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-8_20121127 **Lab ID: 60134390008** Collected: 11/27/12 11:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**215000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:46	7440-70-2	
Magnesium, Dissolved	**18500**	ug/L	250	5	12/05/12 16:15	12/11/12 10:46	7439-95-4	
Potassium, Dissolved	**10400**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:46	7440-09-7	
Sodium, Dissolved	**10500**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:46	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**691**	ug/L	4.0	1	12/08/12 10:56	12/13/12 01:14	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7440-36-0	
Arsenic	**1.5**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7440-38-2	
Barium	**19.6**	ug/L	0.30	1	12/08/12 10:56	12/13/12 01:14	7440-39-3	
Beryllium	**0.94**	ug/L	0.20	1	12/08/12 10:56	12/13/12 01:14	7440-41-7	
Cadmium	**16.3**	ug/L	0.080	1	12/08/12 10:56	12/13/12 01:14	7440-43-9	
Calcium	**226000**	ug/L	400	20	12/08/12 10:56	12/13/12 01:18	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7440-47-3	
Cobalt	**2.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7440-48-4	
Copper	**152**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7440-50-8	
Iron	**7840**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:14	7439-89-6	
Lead	**15.4**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:14	7439-92-1	
Magnesium	**18200**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:14	7439-95-4	
Manganese	**1660**	ug/L	10.0	20	12/08/12 10:56	12/13/12 01:18	7439-96-5	
Molybdenum	**18.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7439-98-7	
Nickel	**3.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7440-02-0	
Potassium	**11300**	ug/L	20.0	1	12/08/12 10:56	12/13/12 01:14	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7782-49-2	
Silica	**16800**	ug/L	1070	20	12/08/12 10:56	12/13/12 01:18	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:14	7440-22-4	
Sodium	**10600**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:14	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:14	7440-28-0	
Total Hardness by 2340B	**639000**	ug/L	1420	20	12/08/12 10:56	12/13/12 01:18		
Vanadium	**0.16**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:14	7440-62-2	
Zinc	**3190**	ug/L	100	20	12/08/12 10:56	12/13/12 01:18	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**36.5**	ug/L	4.0	1	12/10/12 09:30	12/14/12 04:12	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7440-38-2	
Barium, Dissolved	**21.0**	ug/L	0.30	1	12/10/12 09:30	12/14/12 04:12	7440-39-3	
Beryllium, Dissolved	**0.44**	ug/L	0.20	1	12/10/12 09:30	12/14/12 04:12	7440-41-7	
Cadmium, Dissolved	**15.9**	ug/L	0.080	1	12/10/12 09:30	12/14/12 04:12	7440-43-9	
Calcium, Dissolved	**245000**	ug/L	400	20	12/10/12 09:30	12/14/12 04:16	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7440-47-3	
Cobalt, Dissolved	**2.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7440-48-4	
Copper, Dissolved	**9.4**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7440-50-8	
Iron, Dissolved	**992**	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:12	7439-89-6	
Lead, Dissolved	**0.23**	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:12	7439-92-1	
Magnesium, Dissolved	**19500**	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:12	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-8_20121127 **Lab ID: 60134390008** Collected: 11/27/12 11:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1850**	ug/L	10.0	20	12/10/12 09:30	12/14/12 04:16	7439-96-5	
Molybdenum, Dissolved	**19.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7439-98-7	
Nickel, Dissolved	**4.3**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7440-02-0	
Potassium, Dissolved	**12200**	ug/L	20.0	1	12/10/12 09:30	12/14/12 04:12	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:12	7440-22-4	
Sodium, Dissolved	**10800**	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:12	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:12	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:12	7440-62-2	
Zinc, Dissolved	**3050**	ug/L	100	20	12/10/12 09:30	12/14/12 04:16	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**691**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:12	7429-90-5	
Antimony, Dissolved	**0.31J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-36-0	
Arsenic, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-38-2	
Barium, Dissolved	**20.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-39-3	
Beryllium, Dissolved	**0.74**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:12	7440-41-7	
Cadmium, Dissolved	**16.0**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:12	7440-43-9	
Chromium, Dissolved	**0.97J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-47-3	
Cobalt, Dissolved	**2.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-48-4	
Copper, Dissolved	**140**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-50-8	
Iron, Dissolved	**7990**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:12	7439-89-6	
Lead, Dissolved	**17.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7439-92-1	
Manganese, Dissolved	**1790**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7439-96-5	
Molybdenum, Dissolved	**20.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7439-98-7	
Nickel, Dissolved	**2.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:12	7440-22-4	
Thallium, Dissolved	**0.072J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:12	7440-62-2	
Zinc, Dissolved	**2840**	ug/L	10.0	1	12/05/12 09:00	12/06/12 14:12	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 12:05	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:38	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:28	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1210**	umhos/cm	10.0	1		12/06/12 14:21		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**773**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-8_20121127 **Lab ID: 60134390008** Collected: 11/27/12 11:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.60**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**107**	mg/L	20.0	1		12/04/12 13:54		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 13:54		
Alkalinity, Total as CaCO3	**107**	mg/L	20.0	1		12/04/12 13:54		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1020**	mg/L	5.0	1		12/03/12 16:36		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**18.0**	mg/L	5.0	1		12/04/12 09:04		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/03/12 20:21	16887-00-6	
Sulfate	**648**	mg/L	50.0	50		12/03/12 20:38	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:16		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:31	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 11:56	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4-SW_20121127 **Lab ID: 60134390009** Collected: 11/28/12 16:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**91800**	ug/L	500	5	12/05/12 16:15	12/11/12 10:50	7440-70-2	
Magnesium, Dissolved	**12100**	ug/L	250	5	12/05/12 16:15	12/11/12 10:50	7439-95-4	
Potassium, Dissolved	**2180**	ug/L	1000	2	12/05/12 16:15	12/11/12 13:59	7440-09-7	
Sodium, Dissolved	**5280**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:50	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**20.0**	ug/L	4.0	1	12/08/12 10:56	12/13/12 01:22	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7440-38-2	
Barium	**65.8**	ug/L	0.30	1	12/08/12 10:56	12/13/12 01:22	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/13/12 01:22	7440-41-7	
Cadmium	**1.3**	ug/L	0.080	1	12/08/12 10:56	12/13/12 01:22	7440-43-9	
Calcium	**95100**	ug/L	400	20	12/08/12 10:56	12/13/12 01:27	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7440-48-4	
Copper	**1.1**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7440-50-8	
Iron	**148**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:22	7439-89-6	
Lead	**0.80**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:22	7439-92-1	
Magnesium	**12100**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:22	7439-95-4	
Manganese	**350**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7439-96-5	
Molybdenum	**2.1**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7439-98-7	
Nickel	**0.67**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7440-02-0	
Potassium	**2430**	ug/L	20.0	1	12/08/12 10:56	12/13/12 01:22	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7782-49-2	
Silica	**10200**	ug/L	1070	20	12/08/12 10:56	12/13/12 01:27	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:22	7440-22-4	
Sodium	**5450**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:22	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:22	7440-28-0	
Total Hardness by 2340B	**287000**	ug/L	1420	20	12/08/12 10:56	12/13/12 01:27		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:22	7440-62-2	
Zinc	**254**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:22	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**8.7**	ug/L	4.0	1	12/10/12 09:30	12/14/12 04:20	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7440-38-2	
Barium, Dissolved	**65.8**	ug/L	0.30	1	12/10/12 09:30	12/14/12 04:20	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 04:20	7440-41-7	
Cadmium, Dissolved	**1.2**	ug/L	0.080	1	12/10/12 09:30	12/14/12 04:20	7440-43-9	
Calcium, Dissolved	**101000**	ug/L	400	20	12/10/12 09:30	12/14/12 04:25	7440-70-2	
Chromium, Dissolved	**0.64**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7440-48-4	
Copper, Dissolved	**1.6**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7440-50-8	
Iron, Dissolved	**56.5**	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:20	7439-89-6	
Lead, Dissolved	**0.11**	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:20	7439-92-1	
Magnesium, Dissolved	**12000**	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:20	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4-SW_20121127 **Lab ID: 60134390009** Collected: 11/28/12 16:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**359**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7439-96-5	
Molybdenum, Dissolved	**2.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7439-98-7	
Nickel, Dissolved	**2.0**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7440-02-0	
Potassium, Dissolved	**2440**	ug/L	20.0	1	12/10/12 09:30	12/14/12 04:20	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:20	7440-22-4	
Sodium, Dissolved	**5150**	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:20	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:20	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:20	7440-62-2	
Zinc, Dissolved	**248**	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:20	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**19.1J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:16	7429-90-5	
Antimony, Dissolved	**0.070J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-36-0	
Arsenic, Dissolved	**0.47J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-38-2	
Barium, Dissolved	**62.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:16	7440-41-7	
Cadmium, Dissolved	**1.2**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:16	7440-43-9	
Chromium, Dissolved	**0.64J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-47-3	
Cobalt, Dissolved	**0.36J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-48-4	
Copper, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-50-8	
Iron, Dissolved	**168**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:16	7439-89-6	
Lead, Dissolved	**1.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7439-92-1	
Manganese, Dissolved	**355**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7439-96-5	
Molybdenum, Dissolved	**2.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:16	7440-22-4	
Thallium, Dissolved	**0.024J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:16	7440-62-2	
Zinc, Dissolved	**241**	ug/L	10.0	1	12/05/12 09:00	12/06/12 14:16	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 12:12	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:41	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:30	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**594**	umhos/cm	10.0	1		12/06/12 14:22		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**380**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4-SW_20121127 **Lab ID: 60134390009** Collected: 11/28/12 16:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.29**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**159**	mg/L	20.0	1		12/04/12 14:05		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:05		
Alkalinity, Total as CaCO3	**159**	mg/L	20.0	1		12/04/12 14:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**399**	mg/L	5.0	1		12/05/12 14:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:30		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:58	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.6**	mg/L	1.0	1		12/03/12 21:28	16887-00-6	
Sulfate	**159**	mg/L	20.0	20		12/03/12 21:45	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:17		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:31	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 12:11	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-G_20121127 **Lab ID: 60134390010** Collected: 11/28/12 16:55 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**112000**	ug/L	500	5	12/05/12 16:15	12/11/12 10:53	7440-70-2	
Magnesium, Dissolved	**14400**	ug/L	250	5	12/05/12 16:15	12/11/12 10:53	7439-95-4	
Potassium, Dissolved	**2720**	ug/L	1000	2	12/05/12 16:15	12/11/12 14:03	7440-09-7	
Sodium, Dissolved	**6440**	ug/L	2500	5	12/05/12 16:15	12/11/12 10:53	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**20.6**	ug/L	4.0	1	12/08/12 10:56	12/13/12 01:31	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7440-38-2	
Barium	**88.0**	ug/L	0.30	1	12/08/12 10:56	12/13/12 01:31	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/13/12 01:31	7440-41-7	
Cadmium	**1.2**	ug/L	0.080	1	12/08/12 10:56	12/13/12 01:31	7440-43-9	
Calcium	**115000**	ug/L	400	20	12/08/12 10:56	12/13/12 01:35	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7440-48-4	
Copper	**0.82**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7440-50-8	
Iron	**116**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:31	7439-89-6	
Lead	**0.29**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:31	7439-92-1	
Magnesium	**14600**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:31	7439-95-4	
Manganese	**302**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7439-96-5	
Molybdenum	**2.5**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7439-98-7	
Nickel	**0.69**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7440-02-0	
Potassium	**3110**	ug/L	20.0	1	12/08/12 10:56	12/13/12 01:31	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7782-49-2	
Silica	**12400**	ug/L	1070	20	12/08/12 10:56	12/13/12 01:35	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:31	7440-22-4	
Sodium	**6750**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:31	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:31	7440-28-0	
Total Hardness by 2340B	**348000**	ug/L	1420	20	12/08/12 10:56	12/13/12 01:35		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:31	7440-62-2	
Zinc	**254**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:31	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.9**	ug/L	4.0	1	12/10/12 09:30	12/14/12 04:29	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7440-38-2	
Barium, Dissolved	**84.3**	ug/L	0.30	1	12/10/12 09:30	12/14/12 04:29	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 04:29	7440-41-7	
Cadmium, Dissolved	**1.1**	ug/L	0.080	1	12/10/12 09:30	12/14/12 04:29	7440-43-9	
Calcium, Dissolved	**115000**	ug/L	400	20	12/10/12 09:30	12/14/12 04:33	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7440-48-4	
Copper, Dissolved	**0.90**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:29	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:29	7439-92-1	
Magnesium, Dissolved	**14000**	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:29	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-G_20121127 **Lab ID: 60134390010** Collected: 11/28/12 16:55 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**298**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7439-96-5	
Molybdenum, Dissolved	**2.5**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7439-98-7	
Nickel, Dissolved	**0.82**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7440-02-0	
Potassium, Dissolved	**3040**	ug/L	20.0	1	12/10/12 09:30	12/14/12 04:29	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:29	7440-22-4	
Sodium, Dissolved	**6190**	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:29	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:29	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:29	7440-62-2	
Zinc, Dissolved	**229**	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:29	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**13.4J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:20	7429-90-5	
Antimony, Dissolved	**0.070J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-36-0	
Arsenic, Dissolved	**0.40J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-38-2	
Barium, Dissolved	**82.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:20	7440-41-7	
Cadmium, Dissolved	**1.1**	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:20	7440-43-9	
Chromium, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-47-3	
Cobalt, Dissolved	**0.28J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-48-4	
Copper, Dissolved	**0.82J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-50-8	
Iron, Dissolved	**112**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:20	7439-89-6	
Lead, Dissolved	**0.41J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7439-92-1	
Manganese, Dissolved	**306**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7439-96-5	M1
Molybdenum, Dissolved	**2.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-02-0	
Selenium, Dissolved	**0.40J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:20	7440-22-4	
Thallium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:20	7440-62-2	
Zinc, Dissolved	**231**	ug/L	10.0	1	12/05/12 09:00	12/06/12 14:20	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 12:15	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:48	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:33	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**644**	umhos/cm	10.0	1		12/06/12 14:23		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**412**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-G_20121127 **Lab ID: 60134390010** Collected: 11/28/12 16:55 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.31**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**172**	mg/L	20.0	1		12/04/12 14:29		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:29		
Alkalinity, Total as CaCO3	**172**	mg/L	20.0	1		12/04/12 14:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**476**	mg/L	5.0	1		12/05/12 14:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:31		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:58	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.8**	mg/L	1.0	1		12/04/12 15:06	16887-00-6	
Sulfate	**202**	mg/L	20.0	20		12/04/12 15:23	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:18		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0057**	mg/L	0.0050	1		12/07/12 14:32	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 12:25	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: FB_20121127 **Lab ID: 60134390011** Collected: 11/27/12 10:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**122**	ug/L	100	1	12/05/12 16:15	12/11/12 13:43	7440-70-2	B
Magnesium, Dissolved	**22.2J**	ug/L	50.0	1	12/05/12 16:15	12/11/12 13:43	7439-95-4	
Potassium, Dissolved	ND	ug/L	500	1	12/05/12 16:15	12/11/12 13:43	7440-09-7	
Sodium, Dissolved	**325J**	ug/L	500	1	12/05/12 16:15	12/11/12 13:43	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**10.4**	ug/L	4.0	1	12/08/12 10:56	12/13/12 01:50	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7440-38-2	
Barium	**1.4**	ug/L	0.30	1	12/08/12 10:56	12/13/12 01:50	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/13/12 01:50	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/08/12 10:56	12/13/12 01:50	7440-43-9	
Calcium	**85.0**	ug/L	20.0	1	12/08/12 10:56	12/13/12 01:50	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7440-48-4	
Copper	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7440-50-8	
Iron	ND	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:50	7439-89-6	
Lead	**0.15**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:50	7439-92-1	
Magnesium	**20.6**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:50	7439-95-4	
Manganese	**0.72**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7439-96-5	
Molybdenum	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7440-02-0	
Potassium	**58.9**	ug/L	20.0	1	12/08/12 10:56	12/13/12 01:50	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7782-49-2	
Silica	**99.0**	ug/L	53.5	1	12/08/12 10:56	12/13/12 01:50	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:50	7440-22-4	
Sodium	**264**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:50	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:50	7440-28-0	
Total Hardness by 2340B	**297**	ug/L	71.0	1	12/08/12 10:56	12/13/12 01:50		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:50	7440-62-2	
Zinc	ND	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:50	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/10/12 09:30	12/14/12 04:37	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7440-38-2	
Barium, Dissolved	ND	ug/L	0.30	1	12/10/12 09:30	12/14/12 04:37	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 04:37	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:30	12/14/12 04:37	7440-43-9	
Calcium, Dissolved	**73.3**	ug/L	20.0	1	12/10/12 09:30	12/14/12 04:37	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:37	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:37	7439-92-1	
Magnesium, Dissolved	**17.8**	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:37	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: FB_20121127 **Lab ID: 60134390011** Collected: 11/27/12 10:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7439-98-7	
Nickel, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7440-02-0	
Potassium, Dissolved	**50.8**	ug/L	20.0	1	12/10/12 09:30	12/14/12 04:37	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:37	7440-22-4	
Sodium, Dissolved	**235**	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:37	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:37	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:37	7440-62-2	
Zinc, Dissolved	ND	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:37	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**6.4J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:58	7429-90-5	
Antimony, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-38-2	
Barium, Dissolved	**1.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-39-3	B
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:58	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:58	7440-43-9	
Chromium, Dissolved	**0.81J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-50-8	
Iron, Dissolved	**11.2J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 14:58	7439-89-6	
Lead, Dissolved	**0.33J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7439-92-1	
Manganese, Dissolved	**0.95J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7439-98-7	
Nickel, Dissolved	**0.48J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 14:58	7440-22-4	
Thallium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 14:58	7440-62-2	
Zinc, Dissolved	**5.9J**	ug/L	10.0	1	12/05/12 09:00	12/06/12 14:58	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 12:17	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:51	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:35	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	ND	umhos/cm	10.0	1		12/06/12 14:25		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	ND	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: FB_20121127 **Lab ID: 60134390011** Collected: 11/27/12 10:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.013**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:33		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:33		
Alkalinity, Total as CaCO3	ND	mg/L	20.0	1		12/04/12 14:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		12/03/12 16:36		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:04		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:47	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/03/12 22:35	16887-00-6	
Sulfate	ND	mg/L	1.0	1		12/03/12 22:35	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:20		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0050**	mg/L	0.0050	1		12/07/12 14:34	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 12:39	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-1_20121127 **Lab ID: 60134390012** Collected: 11/27/12 10:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**51200**	ug/L	500	5	12/05/12 16:15	12/11/12 11:00	7440-70-2	
Magnesium, Dissolved	**6630**	ug/L	250	5	12/05/12 16:15	12/11/12 11:00	7439-95-4	
Potassium, Dissolved	**590**	ug/L	500	1	12/05/12 16:15	12/11/12 14:10	7440-09-7	
Sodium, Dissolved	**2400**	ug/L	500	1	12/05/12 16:15	12/11/12 14:10	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**1850**	ug/L	4.0	1	12/08/12 10:56	12/13/12 01:55	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7440-36-0	
Arsenic	**2.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7440-38-2	
Barium	**95.2**	ug/L	0.30	1	12/08/12 10:56	12/13/12 01:55	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/13/12 01:55	7440-41-7	
Cadmium	**0.28**	ug/L	0.080	1	12/08/12 10:56	12/13/12 01:55	7440-43-9	
Calcium	**53100**	ug/L	400	20	12/08/12 10:56	12/13/12 02:00	7440-70-2	
Chromium	**2.2**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7440-47-3	
Cobalt	**1.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7440-48-4	
Copper	**11.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7440-50-8	
Iron	**3060**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:55	7439-89-6	
Lead	**9.9**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:55	7439-92-1	
Magnesium	**6900**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:55	7439-95-4	
Manganese	**339**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7439-96-5	
Molybdenum	**1.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7439-98-7	
Nickel	**3.1**	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7440-02-0	
Potassium	**1250**	ug/L	20.0	1	12/08/12 10:56	12/13/12 01:55	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7782-49-2	
Silica	**13400**	ug/L	1070	20	12/08/12 10:56	12/13/12 02:00	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 01:55	7440-22-4	
Sodium	**2340**	ug/L	50.0	1	12/08/12 10:56	12/13/12 01:55	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:55	7440-28-0	
Total Hardness by 2340B	**161000**	ug/L	1420	20	12/08/12 10:56	12/13/12 02:00		
Vanadium	**4.0**	ug/L	0.10	1	12/08/12 10:56	12/13/12 01:55	7440-62-2	
Zinc	**31.3**	ug/L	5.0	1	12/08/12 10:56	12/13/12 01:55	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**4.0**	ug/L	4.0	1	12/10/12 09:30	12/14/12 04:46	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7440-38-2	
Barium, Dissolved	**61.9**	ug/L	0.30	1	12/10/12 09:30	12/14/12 04:46	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 04:46	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:30	12/14/12 04:46	7440-43-9	
Calcium, Dissolved	**51700**	ug/L	400	20	12/10/12 09:30	12/14/12 04:50	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7440-48-4	
Copper, Dissolved	**0.83**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:46	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:46	7439-92-1	
Magnesium, Dissolved	**6200**	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:46	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-1_20121127 **Lab ID: 60134390012** Collected: 11/27/12 10:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**0.78**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7439-96-5	
Molybdenum, Dissolved	**1.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7439-98-7	
Nickel, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7440-02-0	
Potassium, Dissolved	**653**	ug/L	20.0	1	12/10/12 09:30	12/14/12 04:46	7440-09-7	
Selenium, Dissolved	**0.51**	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 04:46	7440-22-4	
Sodium, Dissolved	**2180**	ug/L	50.0	1	12/10/12 09:30	12/14/12 04:46	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:46	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 04:46	7440-62-2	
Zinc, Dissolved	ND	ug/L	5.0	1	12/10/12 09:30	12/14/12 04:46	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**542**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:02	7429-90-5	
Antimony, Dissolved	**0.12J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-36-0	
Arsenic, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-38-2	
Barium, Dissolved	**104**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-39-3	
Beryllium, Dissolved	**0.11J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:02	7440-41-7	
Cadmium, Dissolved	**0.42J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:02	7440-43-9	
Chromium, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-47-3	
Cobalt, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-48-4	
Copper, Dissolved	**10.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-50-8	
Iron, Dissolved	**1220**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:02	7439-89-6	
Lead, Dissolved	**9.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7439-92-1	
Manganese, Dissolved	**269**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7439-96-5	
Molybdenum, Dissolved	**0.34J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7439-98-7	
Nickel, Dissolved	**2.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-02-0	
Selenium, Dissolved	**0.64J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7782-49-2	
Silver, Dissolved	**0.19J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:02	7440-22-4	
Thallium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-28-0	
Vanadium, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:02	7440-62-2	
Zinc, Dissolved	**29.2**	ug/L	10.0	1	12/05/12 09:00	12/06/12 15:02	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 10:19	12/11/12 12:19	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:53	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:37	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**338**	umhos/cm	10.0	1		12/06/12 14:25		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**216**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-1_20121127 **Lab ID: 60134390012** Collected: 11/27/12 10:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.16**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**115**	mg/L	20.0	1		12/04/12 14:37		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:37		
Alkalinity, Total as CaCO3	**115**	mg/L	20.0	1		12/04/12 14:37		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**172**	mg/L	5.0	1		12/03/12 16:36		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**154**	mg/L	5.0	1		12/04/12 09:05		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:47	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.2**	mg/L	1.0	1		12/03/12 22:52	16887-00-6	
Sulfate	**60.5**	mg/L	5.0	5		12/03/12 23:08	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:21		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:35	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 12:53	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-3_20121127 **Lab ID: 60134390013** Collected: 11/28/12 16:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**136000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:07	7440-70-2	
Magnesium, Dissolved	**18500**	ug/L	250	5	12/05/12 16:15	12/11/12 11:07	7439-95-4	
Potassium, Dissolved	**2510**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:07	7440-09-7	
Sodium, Dissolved	**2850**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:07	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**8860**	ug/L	4.0	1	12/08/12 10:56	12/13/12 02:04	7429-90-5	
Antimony	**0.53**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7440-36-0	
Arsenic	**15.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7440-38-2	
Barium	**168**	ug/L	0.30	1	12/08/12 10:56	12/13/12 02:04	7440-39-3	
Beryllium	**0.50**	ug/L	0.20	1	12/08/12 10:56	12/13/12 02:04	7440-41-7	
Cadmium	**2.1**	ug/L	0.080	1	12/08/12 10:56	12/13/12 02:04	7440-43-9	
Calcium	**137000**	ug/L	400	20	12/08/12 10:56	12/13/12 02:10	7440-70-2	
Chromium	**13.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7440-47-3	
Cobalt	**6.4**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7440-48-4	
Copper	**72.4**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7440-50-8	
Iron	**15600**	ug/L	50.0	1	12/08/12 10:56	12/13/12 02:04	7439-89-6	
Lead	**144**	ug/L	0.10	1	12/08/12 10:56	12/13/12 02:04	7439-92-1	
Magnesium	**22200**	ug/L	5.0	1	12/08/12 10:56	12/13/12 02:04	7439-95-4	
Manganese	**1210**	ug/L	10.0	20	12/08/12 10:56	12/13/12 02:10	7439-96-5	
Molybdenum	**1.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7439-98-7	
Nickel	**10.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7440-02-0	
Potassium	**4370**	ug/L	20.0	1	12/08/12 10:56	12/13/12 02:04	7440-09-7	
Selenium	**3.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7782-49-2	
Silica	**41900**	ug/L	1070	20	12/08/12 10:56	12/13/12 02:10	7631-86-9	
Silver	**1.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 02:04	7440-22-4	
Sodium	**3350**	ug/L	50.0	1	12/08/12 10:56	12/13/12 02:04	7440-23-5	
Thallium	**0.19**	ug/L	0.10	1	12/08/12 10:56	12/13/12 02:04	7440-28-0	
Total Hardness by 2340B	**435000**	ug/L	1420	20	12/08/12 10:56	12/13/12 02:10		
Vanadium	**18.3**	ug/L	0.10	1	12/08/12 10:56	12/13/12 02:04	7440-62-2	
Zinc	**426**	ug/L	5.0	1	12/08/12 10:56	12/13/12 02:04	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**278**	ug/L	4.0	1	12/10/12 09:30	12/14/12 05:05	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7440-36-0	
Arsenic, Dissolved	**0.64**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7440-38-2	
Barium, Dissolved	**24.6**	ug/L	0.30	1	12/10/12 09:30	12/14/12 05:05	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 05:05	7440-41-7	
Cadmium, Dissolved	**0.35**	ug/L	0.080	1	12/10/12 09:30	12/14/12 05:05	7440-43-9	
Calcium, Dissolved	**144000**	ug/L	400	20	12/10/12 09:30	12/14/12 05:09	7440-70-2	
Chromium, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7440-48-4	
Copper, Dissolved	**3.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7440-50-8	
Iron, Dissolved	**486**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:05	7439-89-6	
Lead, Dissolved	**4.4**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:05	7439-92-1	
Magnesium, Dissolved	**17400**	ug/L	5.0	1	12/10/12 09:30	12/14/12 05:05	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-3_20121127 **Lab ID: 60134390013** Collected: 11/28/12 16:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**73.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7439-96-5	
Molybdenum, Dissolved	**0.76**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7439-98-7	
Nickel, Dissolved	**1.4**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7440-02-0	
Potassium, Dissolved	**2900**	ug/L	20.0	1	12/10/12 09:30	12/14/12 05:05	7440-09-7	
Selenium, Dissolved	**1.4**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:05	7440-22-4	
Sodium, Dissolved	**2870**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:05	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:05	7440-28-0	
Vanadium, Dissolved	**0.60**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:05	7440-62-2	
Zinc, Dissolved	**55.5**	ug/L	5.0	1	12/10/12 09:30	12/14/12 05:05	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**2790**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:06	7429-90-5	
Antimony, Dissolved	**0.21J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-36-0	
Arsenic, Dissolved	**5.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-38-2	
Barium, Dissolved	**76.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-39-3	
Beryllium, Dissolved	**0.35J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:06	7440-41-7	
Cadmium, Dissolved	**2.9**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:06	7440-43-9	
Chromium, Dissolved	**5.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-47-3	
Cobalt, Dissolved	**4.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-48-4	
Copper, Dissolved	**63.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-50-8	
Iron, Dissolved	**5970**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:06	7439-89-6	
Lead, Dissolved	**88.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7439-92-1	
Manganese, Dissolved	**1120**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7439-96-5	
Molybdenum, Dissolved	**0.23J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7439-98-7	
Nickel, Dissolved	**4.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-02-0	
Selenium, Dissolved	**2.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7782-49-2	
Silver, Dissolved	**0.69**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:06	7440-22-4	
Thallium, Dissolved	**0.033J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-28-0	
Vanadium, Dissolved	**4.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:06	7440-62-2	
Zinc, Dissolved	**402**	ug/L	10.0	1	12/05/12 09:00	12/06/12 15:06	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 09:46	7439-97-6	M1
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:56	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:39	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**794**	umhos/cm	10.0	1		12/06/12 14:26		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**508**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-3_20121127 **Lab ID: 60134390013** Collected: 11/28/12 16:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.39**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**219**	mg/L	20.0	1		12/04/12 14:43		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:43		
Alkalinity, Total as CaCO3	**219**	mg/L	20.0	1		12/04/12 14:43		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**539**	mg/L	5.0	1		12/05/12 14:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**536**	mg/L	5.0	1		12/04/12 09:31		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:59	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/03/12 23:25	16887-00-6	
Sulfate	**208**	mg/L	20.0	20		12/03/12 23:42	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:23		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0059**	mg/L	0.0050	1		12/07/12 14:36	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 13:36	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-4_20121127 **Lab ID: 60134390014** Collected: 11/27/12 12:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**230000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:10	7440-70-2	
Magnesium, Dissolved	**27200**	ug/L	250	5	12/05/12 16:15	12/11/12 11:10	7439-95-4	
Potassium, Dissolved	**6000**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:10	7440-09-7	
Sodium, Dissolved	**10200**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:10	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**12600**	ug/L	4.0	1	12/08/12 10:56	12/13/12 16:24	7429-90-5	
Antimony	**0.52**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7440-36-0	
Arsenic	**9.4**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7440-38-2	
Barium	**254**	ug/L	0.30	1	12/08/12 10:56	12/13/12 16:24	7440-39-3	
Beryllium	**0.81**	ug/L	0.20	1	12/08/12 10:56	12/13/12 16:24	7440-41-7	
Cadmium	**6.3**	ug/L	0.080	1	12/08/12 10:56	12/13/12 16:24	7440-43-9	
Calcium	**261000**	ug/L	400	20	12/08/12 10:56	12/18/12 02:33	7440-70-2	
Chromium	**19.2**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7440-47-3	
Cobalt	**7.5**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7440-48-4	
Copper	**54.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7440-50-8	
Iron	**23600**	ug/L	1000	20	12/08/12 10:56	12/18/12 02:33	7439-89-6	
Lead	**45.0**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:24	7439-92-1	
Magnesium	**35300**	ug/L	100	20	12/08/12 10:56	12/18/12 02:33	7439-95-4	
Manganese	**1280**	ug/L	10.0	20	12/08/12 10:56	12/18/12 02:33	7439-96-5	
Molybdenum	**14.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7439-98-7	
Nickel	**14.4**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7440-02-0	
Potassium	**9120**	ug/L	20.0	1	12/08/12 10:56	12/13/12 16:24	7440-09-7	
Selenium	**1.2**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7782-49-2	
Silica	**52100**	ug/L	1070	20	12/08/12 10:56	12/18/12 02:33	7631-86-9	
Silver	**1.1**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:24	7440-22-4	
Sodium	**11800**	ug/L	50.0	1	12/08/12 10:56	12/13/12 16:24	7440-23-5	
Thallium	**0.36**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:24	7440-28-0	
Total Hardness by 2340B	**797000**	ug/L	1420	20	12/08/12 10:56	12/18/12 02:33		
Vanadium	**27.4**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:24	7440-62-2	
Zinc	**391**	ug/L	5.0	1	12/08/12 10:56	12/13/12 16:24	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**550**	ug/L	4.0	1	12/10/12 09:30	12/14/12 05:13	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7440-36-0	
Arsenic, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7440-38-2	
Barium, Dissolved	**58.2**	ug/L	0.30	1	12/10/12 09:30	12/14/12 05:13	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 05:13	7440-41-7	
Cadmium, Dissolved	**0.36**	ug/L	0.080	1	12/10/12 09:30	12/14/12 05:13	7440-43-9	
Calcium, Dissolved	**258000**	ug/L	400	20	12/10/12 09:30	12/14/12 05:18	7440-70-2	
Chromium, Dissolved	**1.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7440-47-3	
Cobalt, Dissolved	**1.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7440-48-4	
Copper, Dissolved	**3.4**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7440-50-8	
Iron, Dissolved	**3840**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:13	7439-89-6	
Lead, Dissolved	**2.3**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:13	7439-92-1	
Magnesium, Dissolved	**27200**	ug/L	100	20	12/10/12 09:30	12/14/12 05:18	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-4_20121127 **Lab ID: 60134390014** Collected: 11/27/12 12:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1040**	ug/L	10.0	20	12/10/12 09:30	12/14/12 05:18	7439-96-5	
Molybdenum, Dissolved	**11.7**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7439-98-7	
Nickel, Dissolved	**3.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7440-02-0	
Potassium, Dissolved	**7180**	ug/L	20.0	1	12/10/12 09:30	12/14/12 05:13	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:13	7440-22-4	
Sodium, Dissolved	**10400**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:13	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:13	7440-28-0	
Vanadium, Dissolved	**1.3**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:13	7440-62-2	
Zinc, Dissolved	**47.1**	ug/L	5.0	1	12/10/12 09:30	12/14/12 05:13	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**3030**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:10	7429-90-5	
Antimony, Dissolved	**0.083J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-36-0	
Arsenic, Dissolved	**4.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-38-2	
Barium, Dissolved	**58.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-39-3	
Beryllium, Dissolved	**0.51**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:10	7440-41-7	
Cadmium, Dissolved	**7.6**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:10	7440-43-9	
Chromium, Dissolved	**8.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-47-3	
Cobalt, Dissolved	**4.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-48-4	
Copper, Dissolved	**42.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-50-8	
Iron, Dissolved	**10700**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:10	7439-89-6	
Lead, Dissolved	**54.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7439-92-1	
Manganese, Dissolved	**1150**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7439-96-5	
Molybdenum, Dissolved	**5.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7439-98-7	
Nickel, Dissolved	**5.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-02-0	
Selenium, Dissolved	**1.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:10	7440-22-4	
Thallium, Dissolved	**0.30J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-28-0	
Vanadium, Dissolved	**8.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:10	7440-62-2	
Zinc, Dissolved	**359**	ug/L	10.0	1	12/05/12 09:00	12/06/12 15:10	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 09:52	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 11:58	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:42	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1320**	umhos/cm	10.0	1		12/06/12 14:27		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**846**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-4_20121127 **Lab ID: 60134390014** Collected: 11/27/12 12:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.66**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**97.2**	mg/L	20.0	1		12/04/12 14:49		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:49		
Alkalinity, Total as CaCO3	**97.2**	mg/L	20.0	1		12/04/12 14:49		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1090**	mg/L	5.0	1		12/03/12 16:37		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**901**	mg/L	5.0	1		12/04/12 09:05		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:47	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/04/12 00:49	16887-00-6	
Sulfate	**710**	mg/L	50.0	50		12/03/12 23:59	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:26		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0053**	mg/L	0.0050	1		12/07/12 14:36	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 13:50	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-5_20121127 **Lab ID: 60134390015** Collected: 11/27/12 12:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**527000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:20	7440-70-2	
Magnesium, Dissolved	**50800**	ug/L	250	5	12/05/12 16:15	12/11/12 11:20	7439-95-4	
Potassium, Dissolved	**5400**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:20	7440-09-7	
Sodium, Dissolved	**6270**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:20	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**6010**	ug/L	4.0	1	12/08/12 10:56	12/13/12 16:34	7429-90-5	
Antimony	**1.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:34	7440-36-0	
Arsenic	**434**	ug/L	10.0	20	12/08/12 10:56	12/13/12 16:40	7440-38-2	
Barium	**29.0**	ug/L	0.30	1	12/08/12 10:56	12/13/12 16:34	7440-39-3	
Beryllium	**0.88**	ug/L	0.20	1	12/08/12 10:56	12/13/12 16:34	7440-41-7	
Cadmium	**72.7**	ug/L	0.080	1	12/08/12 10:56	12/13/12 16:34	7440-43-9	
Calcium	**593000**	ug/L	2000	100	12/08/12 10:56	12/18/12 02:37	7440-70-2	
Chromium	**6.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:34	7440-47-3	
Cobalt	**24.6**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:34	7440-48-4	
Copper	**969**	ug/L	10.0	20	12/08/12 10:56	12/13/12 16:40	7440-50-8	
Iron	**60300**	ug/L	1000	20	12/08/12 10:56	12/13/12 16:40	7439-89-6	
Lead	**6550**	ug/L	2.0	20	12/08/12 10:56	12/13/12 16:40	7439-92-1	
Magnesium	**51000**	ug/L	100	20	12/08/12 10:56	12/13/12 16:40	7439-95-4	
Manganese	**5860**	ug/L	10.0	20	12/08/12 10:56	12/13/12 16:40	7439-96-5	
Molybdenum	**16.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:34	7439-98-7	
Nickel	**31.1**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:34	7440-02-0	
Potassium	**6630**	ug/L	20.0	1	12/08/12 10:56	12/13/12 16:34	7440-09-7	
Selenium	**1.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:34	7782-49-2	
Silica	**57800**	ug/L	1070	20	12/08/12 10:56	12/13/12 16:40	7631-86-9	
Silver	**17.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:34	7440-22-4	
Sodium	**6550**	ug/L	50.0	1	12/08/12 10:56	12/13/12 16:34	7440-23-5	
Thallium	**1.1**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:34	7440-28-0	
Total Hardness by 2340B	**1690000**	ug/L	7100	100	12/08/12 10:56	12/18/12 02:37		
Vanadium	**9.2**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:34	7440-62-2	
Zinc	**25900**	ug/L	500	100	12/08/12 10:56	12/18/12 02:37	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**76.1**	ug/L	4.0	1	12/10/12 09:30	12/14/12 05:22	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7440-36-0	
Arsenic, Dissolved	**52.5**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7440-38-2	
Barium, Dissolved	**13.6**	ug/L	0.30	1	12/10/12 09:30	12/14/12 05:22	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 05:22	7440-41-7	
Cadmium, Dissolved	**2.0**	ug/L	0.080	1	12/10/12 09:30	12/14/12 05:22	7440-43-9	
Calcium, Dissolved	**563000**	ug/L	1000	50	12/10/12 09:30	12/18/12 04:27	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7440-47-3	
Cobalt, Dissolved	**11.6**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7440-48-4	
Copper, Dissolved	**12.4**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7440-50-8	
Iron, Dissolved	**5940**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:22	7439-89-6	
Lead, Dissolved	**145**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:22	7439-92-1	
Magnesium, Dissolved	**50400**	ug/L	100	20	12/10/12 09:30	12/14/12 05:26	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-5_20121127 **Lab ID: 60134390015** Collected: 11/27/12 12:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**4820**	ug/L	10.0	20	12/10/12 09:30	12/14/12 05:26	7439-96-5	
Molybdenum, Dissolved	**8.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7439-98-7	
Nickel, Dissolved	**16.0**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7440-02-0	
Potassium, Dissolved	**5960**	ug/L	20.0	1	12/10/12 09:30	12/14/12 05:22	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:22	7440-22-4	
Sodium, Dissolved	**5910**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:22	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:22	7440-28-0	
Vanadium, Dissolved	**0.14**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:22	7440-62-2	
Zinc, Dissolved	**10200**	ug/L	250	50	12/10/12 09:30	12/18/12 04:27	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**2220**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:14	7429-90-5	
Antimony, Dissolved	**0.41J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-36-0	
Arsenic, Dissolved	**318**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-38-2	
Barium, Dissolved	**6.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-39-3	
Beryllium, Dissolved	**0.37J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:14	7440-41-7	
Cadmium, Dissolved	**45.8**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:14	7440-43-9	
Chromium, Dissolved	**2.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-47-3	
Cobalt, Dissolved	**15.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-48-4	
Copper, Dissolved	**471**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-50-8	
Iron, Dissolved	**41100**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:14	7439-89-6	
Lead, Dissolved	**4670**	ug/L	10.0	10	12/05/12 09:00	12/06/12 15:35	7439-92-1	
Manganese, Dissolved	**5040**	ug/L	10.0	10	12/05/12 09:00	12/06/12 15:35	7439-96-5	
Molybdenum, Dissolved	**8.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7439-98-7	
Nickel, Dissolved	**14.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-02-0	
Selenium, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7782-49-2	
Silver, Dissolved	**0.48J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:14	7440-22-4	
Thallium, Dissolved	**0.57J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-28-0	
Vanadium, Dissolved	**3.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:14	7440-62-2	
Zinc, Dissolved	**15200**	ug/L	10.0	1	12/05/12 09:00	12/06/12 15:14	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 09:59	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 12:00	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:53	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**2360**	umhos/cm	10.0	1		12/06/12 14:32		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1510**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-5_20121127 **Lab ID: 60134390015** Collected: 11/27/12 12:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.2**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**172**	mg/L	20.0	1		12/04/12 14:53		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:53		
Alkalinity, Total as CaCO3	**172**	mg/L	20.0	1		12/04/12 14:53		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2360**	mg/L	5.0	1		12/03/12 16:38		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**708**	mg/L	5.0	1		12/04/12 09:06		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:48	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 01:05	16887-00-6	
Sulfate	**1630**	mg/L	100	100		12/04/12 01:22	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:27		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:40	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 14:04	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-6_20121127 **Lab ID: 60134390016** Collected: 11/27/12 14:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**337000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:24	7440-70-2	
Magnesium, Dissolved	**70800**	ug/L	250	5	12/05/12 16:15	12/11/12 11:24	7439-95-4	
Potassium, Dissolved	**17700**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:24	7440-09-7	
Sodium, Dissolved	**4360**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:24	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**11800**	ug/L	4.0	1	12/08/12 10:56	12/13/12 16:45	7429-90-5	
Antimony	**2.2**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7440-36-0	
Arsenic	**231**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7440-38-2	
Barium	**109**	ug/L	0.30	1	12/08/12 10:56	12/13/12 16:45	7440-39-3	
Beryllium	**2.3**	ug/L	0.20	1	12/08/12 10:56	12/13/12 16:45	7440-41-7	
Cadmium	**33.8**	ug/L	0.080	1	12/08/12 10:56	12/13/12 16:45	7440-43-9	
Calcium	**341000**	ug/L	400	20	12/08/12 10:56	12/13/12 16:51	7440-70-2	
Chromium	**15.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7440-47-3	
Cobalt	**13.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7440-48-4	
Copper	**358**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7440-50-8	
Iron	**161000**	ug/L	1000	20	12/08/12 10:56	12/13/12 16:51	7439-89-6	
Lead	**4720**	ug/L	2.0	20	12/08/12 10:56	12/13/12 16:51	7439-92-1	
Magnesium	**73000**	ug/L	100	20	12/08/12 10:56	12/13/12 16:51	7439-95-4	
Manganese	**18600**	ug/L	50.0	100	12/08/12 10:56	12/18/12 02:41	7439-96-5	
Molybdenum	**14.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7439-98-7	
Nickel	**19.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7440-02-0	
Potassium	**21300**	ug/L	20.0	1	12/08/12 10:56	12/13/12 16:45	7440-09-7	
Selenium	**2.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7782-49-2	
Silica	**67200**	ug/L	1070	20	12/08/12 10:56	12/13/12 16:51	7631-86-9	
Silver	**13.2**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:45	7440-22-4	
Sodium	**4770**	ug/L	50.0	1	12/08/12 10:56	12/13/12 16:45	7440-23-5	
Thallium	**0.74**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:45	7440-28-0	
Total Hardness by 2340B	**1150000**	ug/L	1420	20	12/08/12 10:56	12/13/12 16:51		
Vanadium	**23.7**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:45	7440-62-2	
Zinc	**11000**	ug/L	500	100	12/08/12 10:56	12/18/12 02:41	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**91.5**	ug/L	4.0	1	12/10/12 09:30	12/14/12 05:31	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7440-36-0	
Arsenic, Dissolved	**93.9**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7440-38-2	
Barium, Dissolved	**24.2**	ug/L	0.30	1	12/10/12 09:30	12/14/12 05:31	7440-39-3	
Beryllium, Dissolved	**0.74**	ug/L	0.20	1	12/10/12 09:30	12/14/12 05:31	7440-41-7	
Cadmium, Dissolved	**0.29**	ug/L	0.080	1	12/10/12 09:30	12/14/12 05:31	7440-43-9	
Calcium, Dissolved	**363000**	ug/L	400	20	12/10/12 09:30	12/14/12 05:35	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7440-47-3	
Cobalt, Dissolved	**1.9**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7440-48-4	
Copper, Dissolved	**0.87**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7440-50-8	
Iron, Dissolved	**122000**	ug/L	1000	20	12/10/12 09:30	12/14/12 05:35	7439-89-6	
Lead, Dissolved	**1.8**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:31	7439-92-1	
Magnesium, Dissolved	**70200**	ug/L	100	20	12/10/12 09:30	12/14/12 05:35	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-6_20121127 **Lab ID: 60134390016** Collected: 11/27/12 14:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**16000**	ug/L	50.0	100	12/10/12 09:30	12/18/12 04:31	7439-96-5	
Molybdenum, Dissolved	**10.0**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7439-98-7	
Nickel, Dissolved	**2.6**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7440-02-0	
Potassium, Dissolved	**18900**	ug/L	20.0	1	12/10/12 09:30	12/14/12 05:31	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:31	7440-22-4	
Sodium, Dissolved	**4220**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:31	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:31	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:31	7440-62-2	
Zinc, Dissolved	**5110**	ug/L	100	20	12/10/12 09:30	12/14/12 05:35	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**3560**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:18	7429-90-5	
Antimony, Dissolved	**0.72J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-36-0	
Arsenic, Dissolved	**159**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-38-2	
Barium, Dissolved	**26.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-39-3	
Beryllium, Dissolved	**1.2**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:18	7440-41-7	
Cadmium, Dissolved	**12.5**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:18	7440-43-9	
Chromium, Dissolved	**6.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-47-3	
Cobalt, Dissolved	**5.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-48-4	
Copper, Dissolved	**123**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-50-8	
Iron, Dissolved	**150000**	ug/L	5000	100	12/05/12 09:00	12/06/12 15:47	7439-89-6	
Lead, Dissolved	**3790**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7439-92-1	
Manganese, Dissolved	**17000**	ug/L	100	100	12/05/12 09:00	12/06/12 15:47	7439-96-5	
Molybdenum, Dissolved	**5.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7439-98-7	
Nickel, Dissolved	**5.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-02-0	
Selenium, Dissolved	**0.97J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7782-49-2	
Silver, Dissolved	**0.062J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:18	7440-22-4	
Thallium, Dissolved	**0.26J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-28-0	
Vanadium, Dissolved	**8.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:18	7440-62-2	
Zinc, Dissolved	**5970**	ug/L	10.0	1	12/05/12 09:00	12/06/12 15:18	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:01	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 12:08	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:55	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**2060**	umhos/cm	10.0	1		12/06/12 14:42		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1320**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-6_20121127 **Lab ID: 60134390016** Collected: 11/27/12 14:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.0**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:57		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 14:57		
Alkalinity, Total as CaCO3	ND	mg/L	20.0	1		12/04/12 14:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1980**	mg/L	5.0	1		12/03/12 16:42		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**1050**	mg/L	5.0	1		12/04/12 09:06		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:48	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 01:39	16887-00-6	
Sulfate	**1800**	mg/L	100	100		12/04/12 01:55	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:28		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:40	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 14:18	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-7_20121127 **Lab ID: 60134390017** Collected: 11/27/12 13:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**255000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:27	7440-70-2	
Magnesium, Dissolved	**26400**	ug/L	250	5	12/05/12 16:15	12/11/12 11:27	7439-95-4	
Potassium, Dissolved	**2510**	ug/L	1000	2	12/05/12 16:15	12/11/12 14:23	7440-09-7	
Sodium, Dissolved	**7190**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:27	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**21500**	ug/L	4.0	1	12/08/12 10:56	12/13/12 16:55	7429-90-5	
Antimony	**1.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7440-36-0	
Arsenic	**29.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7440-38-2	
Barium	**61.7**	ug/L	0.30	1	12/08/12 10:56	12/13/12 16:55	7440-39-3	
Beryllium	**2.5**	ug/L	0.20	1	12/08/12 10:56	12/13/12 16:55	7440-41-7	
Cadmium	**8.2**	ug/L	0.080	1	12/08/12 10:56	12/13/12 16:55	7440-43-9	
Calcium	**300000**	ug/L	500	25	12/08/12 10:56	12/18/12 02:50	7440-70-2	
Chromium	**32.2**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7440-47-3	
Cobalt	**8.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7440-48-4	
Copper	**356**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7440-50-8	
Iron	**56000**	ug/L	250	5	12/08/12 10:56	12/18/12 02:46	7439-89-6	
Lead	**1330**	ug/L	0.50	5	12/08/12 10:56	12/18/12 02:46	7439-92-1	
Magnesium	**41200**	ug/L	25.0	5	12/08/12 10:56	12/18/12 02:46	7439-95-4	
Manganese	**372**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7439-96-5	
Molybdenum	**7.4**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7439-98-7	
Nickel	**23.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7440-02-0	
Potassium	**5270**	ug/L	20.0	1	12/08/12 10:56	12/13/12 16:55	7440-09-7	
Selenium	**14.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7782-49-2	
Silica	**67900**	ug/L	1340	25	12/08/12 10:56	12/18/12 02:50	7631-86-9	
Silver	**5.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 16:55	7440-22-4	
Sodium	**7940**	ug/L	50.0	1	12/08/12 10:56	12/13/12 16:55	7440-23-5	
Thallium	**0.79**	ug/L	0.50	5	12/08/12 10:56	12/18/12 02:46	7440-28-0	
Total Hardness by 2340B	**918000**	ug/L	1780	25	12/08/12 10:56	12/18/12 02:50		
Vanadium	**24.5**	ug/L	0.10	1	12/08/12 10:56	12/13/12 16:55	7440-62-2	
Zinc	**1660**	ug/L	25.0	5	12/08/12 10:56	12/18/12 02:46	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**395**	ug/L	4.0	1	12/10/12 09:30	12/14/12 05:39	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7440-36-0	
Arsenic, Dissolved	**0.56**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7440-38-2	
Barium, Dissolved	**15.2**	ug/L	0.30	1	12/10/12 09:30	12/14/12 05:39	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 05:39	7440-41-7	
Cadmium, Dissolved	**3.3**	ug/L	0.080	1	12/10/12 09:30	12/14/12 05:39	7440-43-9	
Calcium, Dissolved	**282000**	ug/L	400	20	12/10/12 09:30	12/14/12 05:44	7440-70-2	
Chromium, Dissolved	**0.78**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7440-47-3	
Cobalt, Dissolved	**0.83**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7440-48-4	
Copper, Dissolved	**11.6**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7440-50-8	
Iron, Dissolved	**771**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:39	7439-89-6	
Lead, Dissolved	**21.8**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:39	7439-92-1	
Magnesium, Dissolved	**27000**	ug/L	100	20	12/10/12 09:30	12/14/12 05:44	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-7_20121127 **Lab ID: 60134390017** Collected: 11/27/12 13:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**26.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7439-96-5	
Molybdenum, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7439-98-7	
Nickel, Dissolved	**3.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7440-02-0	
Potassium, Dissolved	**2670**	ug/L	20.0	1	12/10/12 09:30	12/14/12 05:39	7440-09-7	
Selenium, Dissolved	**1.8**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:39	7440-22-4	
Sodium, Dissolved	**7290**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:39	7440-23-5	
Thallium, Dissolved	**0.10**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:39	7440-28-0	
Vanadium, Dissolved	**0.39**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:39	7440-62-2	
Zinc, Dissolved	**196**	ug/L	5.0	1	12/10/12 09:30	12/14/12 05:39	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**4310**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:22	7429-90-5	
Antimony, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-36-0	
Arsenic, Dissolved	**2.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-38-2	
Barium, Dissolved	**16.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-39-3	
Beryllium, Dissolved	**0.76**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:22	7440-41-7	
Cadmium, Dissolved	**3.6**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:22	7440-43-9	
Chromium, Dissolved	**4.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-47-3	
Cobalt, Dissolved	**1.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-48-4	
Copper, Dissolved	**102**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-50-8	
Iron, Dissolved	**7820**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:22	7439-89-6	
Lead, Dissolved	**416**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7439-92-1	
Manganese, Dissolved	**49.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7439-96-5	
Molybdenum, Dissolved	**0.60J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7439-98-7	
Nickel, Dissolved	**3.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-02-0	
Selenium, Dissolved	**3.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7782-49-2	
Silver, Dissolved	**0.43J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:22	7440-22-4	
Thallium, Dissolved	**0.18J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-28-0	
Vanadium, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:22	7440-62-2	
Zinc, Dissolved	**370**	ug/L	10.0	1	12/05/12 09:00	12/06/12 15:22	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:03	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 12:10	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:57	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1330**	umhos/cm	10.0	1		12/06/12 14:43		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**853**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: GW-7_20121127 **Lab ID: 60134390017** Collected: 11/27/12 13:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.66**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**243**	mg/L	20.0	1		12/04/12 15:02		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/04/12 15:02		
Alkalinity, Total as CaCO3	**243**	mg/L	20.0	1		12/04/12 15:02		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1090**	mg/L	5.0	1		12/03/12 16:43		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**978**	mg/L	5.0	1		12/04/12 09:06		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:48	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 02:12	16887-00-6	
Sulfate	**618**	mg/L	50.0	50		12/04/12 02:29	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.53**	mg/L	0.10	1		12/11/12 10:29		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0069**	mg/L	0.0050	1		12/07/12 14:43	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 14:32	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EB-1_20121127 **Lab ID: 60134390018** Collected: 11/27/12 12:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**455000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:30	7440-70-2	
Magnesium, Dissolved	**31400**	ug/L	250	5	12/05/12 16:15	12/11/12 11:30	7439-95-4	
Potassium, Dissolved	**5240**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:30	7440-09-7	
Sodium, Dissolved	**6980**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:30	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**922**	ug/L	4.0	1	12/08/12 10:56	12/13/12 17:06	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7440-36-0	
Arsenic	**7.5**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7440-38-2	
Barium	**22.8**	ug/L	0.30	1	12/08/12 10:56	12/13/12 17:06	7440-39-3	
Beryllium	**0.27**	ug/L	0.20	1	12/08/12 10:56	12/13/12 17:06	7440-41-7	
Cadmium	**2.0**	ug/L	0.080	1	12/08/12 10:56	12/13/12 17:06	7440-43-9	
Calcium	**495000**	ug/L	2000	100	12/08/12 10:56	12/18/12 03:13	7440-70-2	
Chromium	**1.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7440-47-3	
Cobalt	**6.6**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7440-48-4	
Copper	**43.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7440-50-8	
Iron	**11000**	ug/L	50.0	1	12/08/12 10:56	12/13/12 17:06	7439-89-6	
Lead	**204**	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:06	7439-92-1	
Magnesium	**33500**	ug/L	100	20	12/08/12 10:56	12/18/12 02:54	7439-95-4	
Manganese	**4720**	ug/L	10.0	20	12/08/12 10:56	12/18/12 02:54	7439-96-5	
Molybdenum	**14.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7439-98-7	
Nickel	**6.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7440-02-0	
Potassium	**5950**	ug/L	20.0	1	12/08/12 10:56	12/13/12 17:06	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7782-49-2	
Silica	**27200**	ug/L	1070	20	12/08/12 10:56	12/18/12 02:54	7631-86-9	
Silver	**1.3**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:06	7440-22-4	
Sodium	**7060**	ug/L	50.0	1	12/08/12 10:56	12/13/12 17:06	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:06	7440-28-0	
Total Hardness by 2340B	**1370000**	ug/L	7100	100	12/08/12 10:56	12/18/12 03:13		
Vanadium	**1.5**	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:06	7440-62-2	
Zinc	**2020**	ug/L	100	20	12/08/12 10:56	12/18/12 02:54	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**9.7**	ug/L	4.0	1	12/10/12 09:30	12/14/12 05:58	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7440-36-0	
Arsenic, Dissolved	**2.5**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7440-38-2	
Barium, Dissolved	**13.4**	ug/L	0.30	1	12/10/12 09:30	12/14/12 05:58	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 05:58	7440-41-7	
Cadmium, Dissolved	**0.089**	ug/L	0.080	1	12/10/12 09:30	12/14/12 05:58	7440-43-9	
Calcium, Dissolved	**504000**	ug/L	1000	50	12/10/12 09:30	12/18/12 04:36	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7440-47-3	
Cobalt, Dissolved	**6.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7440-50-8	
Iron, Dissolved	**6950**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:58	7439-89-6	
Lead, Dissolved	**0.41**	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:58	7439-92-1	
Magnesium, Dissolved	**30700**	ug/L	100	20	12/10/12 09:30	12/14/12 06:02	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EB-1_20121127 **Lab ID: 60134390018** Collected: 11/27/12 12:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**4600**	ug/L	10.0	20	12/10/12 09:30	12/14/12 06:02	7439-96-5	
Molybdenum, Dissolved	**14.0**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7439-98-7	
Nickel, Dissolved	**5.7**	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7440-02-0	
Potassium, Dissolved	**5970**	ug/L	20.0	1	12/10/12 09:30	12/14/12 05:58	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 05:58	7440-22-4	
Sodium, Dissolved	**6620**	ug/L	50.0	1	12/10/12 09:30	12/14/12 05:58	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:58	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 05:58	7440-62-2	
Zinc, Dissolved	**1430**	ug/L	100	20	12/10/12 09:30	12/14/12 06:02	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**521**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:27	7429-90-5	
Antimony, Dissolved	**0.14J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-36-0	
Arsenic, Dissolved	**6.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-38-2	
Barium, Dissolved	**17.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-39-3	
Beryllium, Dissolved	**0.25J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:27	7440-41-7	
Cadmium, Dissolved	**2.0**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:27	7440-43-9	
Chromium, Dissolved	**1.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-47-3	
Cobalt, Dissolved	**5.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-48-4	
Copper, Dissolved	**37.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-50-8	
Iron, Dissolved	**9390**	ug/L	50.0	1	12/05/12 09:00	12/06/12 15:27	7439-89-6	
Lead, Dissolved	**225**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7439-92-1	
Manganese, Dissolved	**4870**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7439-96-5	
Molybdenum, Dissolved	**12.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7439-98-7	
Nickel, Dissolved	**2.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7782-49-2	
Silver, Dissolved	**0.15J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 15:27	7440-22-4	
Thallium, Dissolved	**0.023J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-28-0	
Vanadium, Dissolved	**0.74J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 15:27	7440-62-2	
Zinc, Dissolved	**1520**	ug/L	10.0	1	12/05/12 09:00	12/06/12 15:27	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:05	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 12:13	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 13:59	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**2000**	umhos/cm	10.0	1		12/06/12 14:44		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1280**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EB-1_20121127 **Lab ID: 60134390018** Collected: 11/27/12 12:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.0**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**183**	mg/L	20.0	1		12/06/12 08:05		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:05		
Alkalinity, Total as CaCO3	**183**	mg/L	20.0	1		12/06/12 08:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1960**	mg/L	5.0	1		12/03/12 16:43		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**64.0**	mg/L	5.0	1		12/04/12 09:07		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:48	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 02:46	16887-00-6	
Sulfate	**1320**	mg/L	100	100		12/04/12 03:02	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:30		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:43	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 14:47	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EB-2_20121127 **Lab ID: 60134390019** Collected: 11/27/12 13:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**292000**	ug/L	1000	10	12/05/12 16:15	12/11/12 11:34	7440-70-2	
Magnesium, Dissolved	**90400**	ug/L	500	10	12/05/12 16:15	12/11/12 11:34	7439-95-4	
Potassium, Dissolved	**10200**	ug/L	5000	10	12/05/12 16:15	12/11/12 11:34	7440-09-7	
Sodium, Dissolved	**6190**	ug/L	5000	10	12/05/12 16:15	12/11/12 11:34	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**7780**	ug/L	4.0	1	12/08/12 10:56	12/13/12 17:26	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7440-36-0	
Arsenic	**165**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7440-38-2	
Barium	**13.3**	ug/L	0.30	1	12/08/12 10:56	12/13/12 17:26	7440-39-3	
Beryllium	**4.8**	ug/L	0.20	1	12/08/12 10:56	12/13/12 17:26	7440-41-7	
Cadmium	**1.2**	ug/L	0.080	1	12/08/12 10:56	12/13/12 17:26	7440-43-9	
Calcium	**305000**	ug/L	400	20	12/08/12 10:56	12/13/12 17:30	7440-70-2	
Chromium	**0.99**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7440-47-3	
Cobalt	**33.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7440-48-4	
Copper	**19.7**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7440-50-8	
Iron	**341000**	ug/L	1000	20	12/08/12 10:56	12/13/12 17:30	7439-89-6	
Lead	**168**	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:26	7439-92-1	
Magnesium	**90900**	ug/L	100	20	12/08/12 10:56	12/13/12 17:30	7439-95-4	
Manganese	**19800**	ug/L	50.0	100	12/08/12 10:56	12/18/12 03:17	7439-96-5	
Molybdenum	**4.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7439-98-7	
Nickel	**45.4**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7440-02-0	
Potassium	**12000**	ug/L	20.0	1	12/08/12 10:56	12/13/12 17:26	7440-09-7	
Selenium	**0.71**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7782-49-2	
Silica	**32100**	ug/L	1070	20	12/08/12 10:56	12/13/12 17:30	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:26	7440-22-4	
Sodium	**7020**	ug/L	50.0	1	12/08/12 10:56	12/13/12 17:26	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:26	7440-28-0	
Total Hardness by 2340B	**1140000**	ug/L	1420	20	12/08/12 10:56	12/13/12 17:30		
Vanadium	**0.46**	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:26	7440-62-2	
Zinc	**24400**	ug/L	500	100	12/08/12 10:56	12/18/12 03:17	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**6940**	ug/L	4.0	1	12/10/12 09:30	12/14/12 06:07	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7440-36-0	
Arsenic, Dissolved	**146**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7440-38-2	
Barium, Dissolved	**10.9**	ug/L	0.30	1	12/10/12 09:30	12/14/12 06:07	7440-39-3	
Beryllium, Dissolved	**4.7**	ug/L	0.20	1	12/10/12 09:30	12/14/12 06:07	7440-41-7	
Cadmium, Dissolved	**0.24**	ug/L	0.080	1	12/10/12 09:30	12/14/12 06:07	7440-43-9	
Calcium, Dissolved	**316000**	ug/L	400	20	12/10/12 09:30	12/14/12 06:11	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7440-47-3	
Cobalt, Dissolved	**32.9**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7440-50-8	
Iron, Dissolved	**349000**	ug/L	1000	20	12/10/12 09:30	12/14/12 06:11	7439-89-6	
Lead, Dissolved	**0.68**	ug/L	0.10	1	12/10/12 09:30	12/14/12 06:07	7439-92-1	
Magnesium, Dissolved	**90600**	ug/L	100	20	12/10/12 09:30	12/14/12 06:11	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EB-2_20121127 **Lab ID: 60134390019** Collected: 11/27/12 13:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**19400**	ug/L	50.0	100	12/10/12 09:30	12/18/12 04:40	7439-96-5	
Molybdenum, Dissolved	**4.3**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7439-98-7	
Nickel, Dissolved	**44.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7440-02-0	
Potassium, Dissolved	**11700**	ug/L	20.0	1	12/10/12 09:30	12/14/12 06:07	7440-09-7	
Selenium, Dissolved	**0.58**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:07	7440-22-4	
Sodium, Dissolved	**6130**	ug/L	50.0	1	12/10/12 09:30	12/14/12 06:07	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 06:07	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 06:07	7440-62-2	
Zinc, Dissolved	**23800**	ug/L	500	100	12/10/12 09:30	12/18/12 04:40	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**7040**	ug/L	50.0	1	12/05/12 09:00	12/06/12 16:00	7429-90-5	
Antimony, Dissolved	**0.15J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-36-0	
Arsenic, Dissolved	**140**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-38-2	
Barium, Dissolved	**11.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-39-3	
Beryllium, Dissolved	**3.2**	ug/L	0.50	1	12/05/12 09:00	12/06/12 16:00	7440-41-7	
Cadmium, Dissolved	**0.89**	ug/L	0.50	1	12/05/12 09:00	12/06/12 16:00	7440-43-9	
Chromium, Dissolved	**0.88J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-47-3	
Cobalt, Dissolved	**31.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-48-4	
Copper, Dissolved	**14.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-50-8	
Iron, Dissolved	**357000**	ug/L	500	10	12/05/12 09:00	12/06/12 15:31	7439-89-6	
Lead, Dissolved	**195**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7439-92-1	
Manganese, Dissolved	**19400**	ug/L	10.0	10	12/05/12 09:00	12/06/12 15:31	7439-96-5	
Molybdenum, Dissolved	**3.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7439-98-7	
Nickel, Dissolved	**39.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-02-0	
Selenium, Dissolved	**0.92J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 16:00	7440-22-4	
Thallium, Dissolved	**0.074J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 16:00	7440-62-2	
Zinc, Dissolved	**18900**	ug/L	10.0	1	12/05/12 09:00	12/06/12 16:00	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:07	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 12:15	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:02	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**2320**	umhos/cm	10.0	1		12/06/12 14:45		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1490**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EB-2_20121127 **Lab ID: 60134390019** Collected: 11/27/12 13:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.2**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**36.2**	mg/L	20.0	1		12/06/12 08:09		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:09		
Alkalinity, Total as CaCO3	**36.2**	mg/L	20.0	1		12/06/12 08:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2730**	mg/L	5.0	1		12/03/12 16:43		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**166**	mg/L	5.0	1		12/04/12 09:08		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:49	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.4**	mg/L	1.0	1		12/04/12 04:09	16887-00-6	
Sulfate	**1850**	mg/L	200	200		12/04/12 03:19	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:31		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:44	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 15:01	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-1 DEEP_20121127 **Lab ID: 60134390020** Collected: 11/27/12 15:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**202000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:37	7440-70-2	
Magnesium, Dissolved	**19000**	ug/L	250	5	12/05/12 16:15	12/11/12 11:37	7439-95-4	
Potassium, Dissolved	**11800**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:37	7440-09-7	
Sodium, Dissolved	**12900**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:37	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**103**	ug/L	4.0	1	12/08/12 10:56	12/13/12 17:35	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7440-36-0	
Arsenic	**0.70**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7440-38-2	
Barium	**21.9**	ug/L	0.30	1	12/08/12 10:56	12/13/12 17:35	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:56	12/13/12 17:35	7440-41-7	
Cadmium	**1.9**	ug/L	0.080	1	12/08/12 10:56	12/13/12 17:35	7440-43-9	
Calcium	**211000**	ug/L	400	20	12/08/12 10:56	12/18/12 03:22	7440-70-2	
Chromium	**2.0**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7440-48-4	
Copper	**3.9**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7440-50-8	
Iron	**290**	ug/L	50.0	1	12/08/12 10:56	12/13/12 17:35	7439-89-6	
Lead	**5.6**	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:35	7439-92-1	
Magnesium	**18400**	ug/L	5.0	1	12/08/12 10:56	12/13/12 17:35	7439-95-4	
Manganese	**41.4**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7439-96-5	
Molybdenum	**7.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7439-98-7	
Nickel	**0.60**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7440-02-0	
Potassium	**12700**	ug/L	20.0	1	12/08/12 10:56	12/13/12 17:35	7440-09-7	
Selenium	**8.8**	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7782-49-2	
Silica	**10000**	ug/L	1070	20	12/08/12 10:56	12/18/12 03:22	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:56	12/13/12 17:35	7440-22-4	
Sodium	**13000**	ug/L	50.0	1	12/08/12 10:56	12/13/12 17:35	7440-23-5	
Thallium	**0.12**	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:35	7440-28-0	
Total Hardness by 2340B	**602000**	ug/L	1420	20	12/08/12 10:56	12/18/12 03:22		
Vanadium	**0.32**	ug/L	0.10	1	12/08/12 10:56	12/13/12 17:35	7440-62-2	
Zinc	**634**	ug/L	100	20	12/08/12 10:56	12/18/12 03:22	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**10.5**	ug/L	4.0	1	12/10/12 09:30	12/14/12 06:33	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7440-38-2	
Barium, Dissolved	**19.1**	ug/L	0.30	1	12/10/12 09:30	12/14/12 06:33	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:30	12/14/12 06:33	7440-41-7	
Cadmium, Dissolved	**1.7**	ug/L	0.080	1	12/10/12 09:30	12/14/12 06:33	7440-43-9	
Calcium, Dissolved	**211000**	ug/L	400	20	12/10/12 09:30	12/14/12 06:37	7440-70-2	
Chromium, Dissolved	**1.6**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7440-48-4	
Copper, Dissolved	**1.7**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:30	12/14/12 06:33	7439-89-6	
Lead, Dissolved	**0.14**	ug/L	0.10	1	12/10/12 09:30	12/14/12 06:33	7439-92-1	
Magnesium, Dissolved	**17500**	ug/L	5.0	1	12/10/12 09:30	12/14/12 06:33	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-1 DEEP_20121127 **Lab ID: 60134390020** Collected: 11/27/12 15:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**6.2**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7439-96-5	
Molybdenum, Dissolved	**7.6**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7439-98-7	
Nickel, Dissolved	**0.94**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7440-02-0	
Potassium, Dissolved	**12200**	ug/L	20.0	1	12/10/12 09:30	12/14/12 06:33	7440-09-7	
Selenium, Dissolved	**9.1**	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:30	12/14/12 06:33	7440-22-4	
Sodium, Dissolved	**11500**	ug/L	50.0	1	12/10/12 09:30	12/14/12 06:33	7440-23-5	
Thallium, Dissolved	**0.11**	ug/L	0.10	1	12/10/12 09:30	12/14/12 06:33	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:30	12/14/12 06:33	7440-62-2	
Zinc, Dissolved	**581**	ug/L	100	20	12/10/12 09:30	12/14/12 06:37	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**46.2J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:00	7429-90-5	
Antimony, Dissolved	**0.16J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-36-0	
Arsenic, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-38-2	
Barium, Dissolved	**20.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:00	7440-41-7	
Cadmium, Dissolved	**1.8**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:00	7440-43-9	
Chromium, Dissolved	**2.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-47-3	
Cobalt, Dissolved	**0.084J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-48-4	
Copper, Dissolved	**3.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-50-8	
Iron, Dissolved	**178**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:00	7439-89-6	
Lead, Dissolved	**6.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7439-92-1	
Manganese, Dissolved	**29.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7439-96-5	
Molybdenum, Dissolved	**8.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7439-98-7	
Nickel, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-02-0	
Selenium, Dissolved	**8.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7782-49-2	
Silver, Dissolved	**0.10J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:00	7440-22-4	
Thallium, Dissolved	**0.17J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-28-0	
Vanadium, Dissolved	**0.32J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:00	7440-62-2	
Zinc, Dissolved	**537**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:00	7440-66-6	M1
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:09	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:33	12/12/12 12:18	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:04	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1120**	umhos/cm	10.0	1		12/06/12 14:46		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**719**	mg/L	6.0	1		12/07/12 14:06		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-1 DEEP_20121127 **Lab ID: 60134390020** Collected: 11/27/12 15:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.56**	PSU	0.010	1		12/07/12 14:06		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**88.5**	mg/L	20.0	1		12/06/12 08:13		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:13		
Alkalinity, Total as CaCO3	**88.5**	mg/L	20.0	1		12/06/12 08:13		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**905**	mg/L	5.0	1		12/03/12 16:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**6.0**	mg/L	5.0	1		12/04/12 09:09		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:49	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 17:03	16887-00-6	
Sulfate	**566**	mg/L	50.0	50		12/04/12 16:13	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:31		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0084**	mg/L	0.0050	1		12/07/12 14:44	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 17:08	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-1 SHALLOW_20121127 **Lab ID: 60134390021** Collected: 11/27/12 15:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**224000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:41	7440-70-2	
Magnesium, Dissolved	**22200**	ug/L	250	5	12/05/12 16:15	12/11/12 11:41	7439-95-4	
Potassium, Dissolved	**4860**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:41	7440-09-7	
Sodium, Dissolved	**10600**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:41	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**18700**	ug/L	4.0	1	12/08/12 10:55	12/26/12 14:19	7429-90-5	M6
Antimony	**0.75**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7440-36-0	
Arsenic	**18.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7440-38-2	
Barium	**213**	ug/L	0.30	1	12/08/12 10:55	12/26/12 14:19	7440-39-3	
Beryllium	**1.3**	ug/L	0.20	1	12/08/12 10:55	12/26/12 14:19	7440-41-7	
Cadmium	**2.4**	ug/L	0.080	1	12/08/12 10:55	12/26/12 14:19	7440-43-9	
Calcium	**256000**	ug/L	500	25	12/08/12 10:55	12/26/12 14:46	7440-70-2	M6
Chromium	**18.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7440-47-3	
Cobalt	**10.7**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7440-48-4	
Copper	**74.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7440-50-8	
Iron	**22900**	ug/L	250	5	12/08/12 10:55	12/26/12 14:41	7439-89-6	M6
Lead	**154**	ug/L	0.10	1	12/08/12 10:55	12/26/12 14:19	7439-92-1	
Magnesium	**28700**	ug/L	25.0	5	12/08/12 10:55	12/26/12 14:41	7439-95-4	M6
Manganese	**1090**	ug/L	2.5	5	12/08/12 10:55	12/26/12 14:41	7439-96-5	M6
Molybdenum	**9.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7439-98-7	
Nickel	**14.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7440-02-0	
Potassium	**11200**	ug/L	20.0	1	12/08/12 10:55	12/26/12 14:19	7440-09-7	M6
Selenium	**17.3**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7782-49-2	
Silica	**77100**	ug/L	1340	25	12/08/12 10:55	12/26/12 14:46	7631-86-9	
Silver	**1.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:19	7440-22-4	
Sodium	**11400**	ug/L	50.0	1	12/08/12 10:55	12/26/12 14:19	7440-23-5	M6
Thallium	**0.53**	ug/L	0.10	1	12/08/12 10:55	12/26/12 14:19	7440-28-0	
Total Hardness by 2340B	**756000**	ug/L	1780	25	12/08/12 10:55	12/26/12 14:46		
Vanadium	**27.0**	ug/L	0.10	1	12/08/12 10:55	12/26/12 14:19	7440-62-2	
Zinc	**402**	ug/L	5.0	1	12/08/12 10:55	12/26/12 14:19	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**487**	ug/L	4.0	1	12/10/12 09:33	12/13/12 02:46	7429-90-5	M6
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7440-36-0	
Arsenic, Dissolved	**0.62**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7440-38-2	
Barium, Dissolved	**26.0**	ug/L	0.30	1	12/10/12 09:33	12/13/12 02:46	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 02:46	7440-41-7	
Cadmium, Dissolved	**0.50**	ug/L	0.080	1	12/10/12 09:33	12/13/12 02:46	7440-43-9	
Calcium, Dissolved	**238000**	ug/L	500	25	12/10/12 09:33	12/13/12 03:12	7440-70-2	M6
Chromium, Dissolved	**0.75**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7440-48-4	
Copper, Dissolved	**2.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7440-50-8	
Iron, Dissolved	**719**	ug/L	50.0	1	12/10/12 09:33	12/13/12 02:46	7439-89-6	M6
Lead, Dissolved	**5.5**	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:46	7439-92-1	
Magnesium, Dissolved	**19800**	ug/L	5.0	1	12/10/12 09:33	12/13/12 02:46	7439-95-4	M6

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-1 SHALLOW_20121127 **Lab ID: 60134390021** Collected: 11/27/12 15:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**43.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7439-96-5	
Molybdenum, Dissolved	**6.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7439-98-7	
Nickel, Dissolved	**1.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7440-02-0	
Potassium, Dissolved	**5220**	ug/L	20.0	1	12/10/12 09:33	12/13/12 02:46	7440-09-7	M6
Selenium, Dissolved	**11.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:46	7440-22-4	
Sodium, Dissolved	**10200**	ug/L	50.0	1	12/10/12 09:33	12/13/12 02:46	7440-23-5	M6
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:46	7440-28-0	
Vanadium, Dissolved	**0.77**	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:46	7440-62-2	
Zinc, Dissolved	**91.1**	ug/L	5.0	1	12/10/12 09:33	12/13/12 02:46	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**3240**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:17	7429-90-5	
Antimony, Dissolved	**0.20J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-36-0	
Arsenic, Dissolved	**3.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-38-2	
Barium, Dissolved	**45.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-39-3	
Beryllium, Dissolved	**0.76**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:17	7440-41-7	
Cadmium, Dissolved	**2.4**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:17	7440-43-9	
Chromium, Dissolved	**3.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-47-3	
Cobalt, Dissolved	**5.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-48-4	
Copper, Dissolved	**37.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-50-8	
Iron, Dissolved	**4600**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:17	7439-89-6	
Lead, Dissolved	**128**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7439-92-1	
Manganese, Dissolved	**804**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7439-96-5	
Molybdenum, Dissolved	**2.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7439-98-7	
Nickel, Dissolved	**4.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-02-0	
Selenium, Dissolved	**11.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7782-49-2	
Silver, Dissolved	**1.1**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:17	7440-22-4	
Thallium, Dissolved	**0.12J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-28-0	
Vanadium, Dissolved	**4.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:17	7440-62-2	
Zinc, Dissolved	**266**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:17	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:16	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 13:00	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:17	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1210**	umhos/cm	10.0	1		12/06/12 14:51		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**775**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-1 SHALLOW_20121127 **Lab ID: 60134390021** Collected: 11/27/12 15:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.60**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**86.0**	mg/L	20.0	1		12/06/12 08:17		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:17		
Alkalinity, Total as CaCO3	**86.0**	mg/L	20.0	1		12/06/12 08:17		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**997**	mg/L	5.0	1		12/03/12 16:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**660**	mg/L	5.0	1		12/04/12 09:09		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:49	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 18:26	16887-00-6	
Sulfate	**664**	mg/L	50.0	50		12/04/12 18:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:36		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:48	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 17:36	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-2 DEEP_20121127 **Lab ID: 60134390022** Collected: 11/27/12 15:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**210000**	ug/L	500	5	12/05/12 16:15	12/11/12 11:44	7440-70-2	M1
Magnesium, Dissolved	**19800**	ug/L	250	5	12/05/12 16:15	12/11/12 11:44	7439-95-4	
Potassium, Dissolved	**1610**	ug/L	500	1	12/05/12 16:15	12/11/12 14:26	7440-09-7	
Sodium, Dissolved	**9660**	ug/L	2500	5	12/05/12 16:15	12/11/12 11:44	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**72.6**	ug/L	4.0	1	12/08/12 10:55	12/26/12 15:01	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7440-38-2	
Barium	**14.2**	ug/L	0.30	1	12/08/12 10:55	12/26/12 15:01	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:55	12/26/12 15:01	7440-41-7	
Cadmium	**0.79**	ug/L	0.080	1	12/08/12 10:55	12/26/12 15:01	7440-43-9	
Calcium	**249000**	ug/L	400	20	12/08/12 10:55	12/26/12 15:06	7440-70-2	
Chromium	**0.51**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7440-48-4	
Copper	**0.76**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7440-50-8	
Iron	**160**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:01	7439-89-6	
Lead	**1.5**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:01	7439-92-1	
Magnesium	**22400**	ug/L	5.0	1	12/08/12 10:55	12/26/12 15:01	7439-95-4	
Manganese	**6.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7439-96-5	
Molybdenum	**7.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7440-02-0	
Potassium	**2220**	ug/L	20.0	1	12/08/12 10:55	12/26/12 15:01	7440-09-7	
Selenium	**1.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7782-49-2	
Silica	**11500**	ug/L	1070	20	12/08/12 10:55	12/26/12 15:06	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:01	7440-22-4	
Sodium	**11000**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:01	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:01	7440-28-0	
Total Hardness by 2340B	**715000**	ug/L	1420	20	12/08/12 10:55	12/26/12 15:06		
Vanadium	**0.17**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:01	7440-62-2	
Zinc	**18.6**	ug/L	5.0	1	12/08/12 10:55	12/26/12 15:01	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.6**	ug/L	4.0	1	12/10/12 09:33	12/13/12 02:14	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7440-38-2	
Barium, Dissolved	**12.6**	ug/L	0.30	1	12/10/12 09:33	12/13/12 02:14	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 02:14	7440-41-7	
Cadmium, Dissolved	**0.75**	ug/L	0.080	1	12/10/12 09:33	12/13/12 02:14	7440-43-9	
Calcium, Dissolved	**236000**	ug/L	400	20	12/10/12 09:33	12/13/12 02:18	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:33	12/13/12 02:14	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:14	7439-92-1	
Magnesium, Dissolved	**20300**	ug/L	5.0	1	12/10/12 09:33	12/13/12 02:14	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-2 DEEP_20121127 **Lab ID: 60134390022** Collected: 11/27/12 15:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**2.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7439-96-5	
Molybdenum, Dissolved	**6.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7439-98-7	
Nickel, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7440-02-0	
Potassium, Dissolved	**1880**	ug/L	20.0	1	12/10/12 09:33	12/13/12 02:14	7440-09-7	
Selenium, Dissolved	**1.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:14	7440-22-4	
Sodium, Dissolved	**10200**	ug/L	50.0	1	12/10/12 09:33	12/13/12 02:14	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:14	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:14	7440-62-2	
Zinc, Dissolved	**12.9**	ug/L	5.0	1	12/10/12 09:33	12/13/12 02:14	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**28.4J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:21	7429-90-5	
Antimony, Dissolved	**0.073J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-36-0	
Arsenic, Dissolved	**0.27J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-38-2	
Barium, Dissolved	**12.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:21	7440-41-7	
Cadmium, Dissolved	**0.70**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:21	7440-43-9	
Chromium, Dissolved	**0.84J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-48-4	
Copper, Dissolved	**0.58J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-50-8	
Iron, Dissolved	**88.1**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:21	7439-89-6	
Lead, Dissolved	**1.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7439-92-1	B
Manganese, Dissolved	**9.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7439-96-5	
Molybdenum, Dissolved	**6.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-02-0	
Selenium, Dissolved	**1.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:21	7440-22-4	
Thallium, Dissolved	**0.098J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:21	7440-62-2	
Zinc, Dissolved	**15.3**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:21	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:18	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 13:02	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:19	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1210**	umhos/cm	10.0	1		12/06/12 14:51		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**774**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-2 DEEP_20121127 **Lab ID: 60134390022** Collected: 11/27/12 15:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.60**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**85.8**	mg/L	20.0	1		12/06/12 08:22		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:22		
Alkalinity, Total as CaCO3	**85.8**	mg/L	20.0	1		12/06/12 08:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**995**	mg/L	5.0	1		12/03/12 16:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:10		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 19:00	16887-00-6	
Sulfate	**667**	mg/L	50.0	50		12/04/12 19:16	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:38		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:52	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 18:05	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-3 DEEP_20121127 **Lab ID: 60134390023** Collected: 11/27/12 15:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**218000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:11	7440-70-2	
Magnesium, Dissolved	**23600**	ug/L	250	5	12/05/12 16:15	12/11/12 12:11	7439-95-4	
Potassium, Dissolved	**2020**	ug/L	1000	2	12/05/12 16:15	12/11/12 14:40	7440-09-7	
Sodium, Dissolved	**10800**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:11	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**66.0**	ug/L	4.0	1	12/08/12 10:55	12/26/12 15:10	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7440-36-0	
Arsenic	**1.3**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7440-38-2	
Barium	**18.1**	ug/L	0.30	1	12/08/12 10:55	12/26/12 15:10	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:55	12/26/12 15:10	7440-41-7	
Cadmium	**0.089**	ug/L	0.080	1	12/08/12 10:55	12/26/12 15:10	7440-43-9	
Calcium	**232000**	ug/L	400	20	12/08/12 10:55	12/26/12 15:15	7440-70-2	
Chromium	**0.65**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7440-47-3	
Cobalt	**1.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7440-48-4	
Copper	**1.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7440-50-8	
Iron	**2320**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:10	7439-89-6	
Lead	**2.8**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:10	7439-92-1	
Magnesium	**23200**	ug/L	100	20	12/08/12 10:55	12/26/12 15:15	7439-95-4	
Manganese	**1490**	ug/L	10.0	20	12/08/12 10:55	12/26/12 15:15	7439-96-5	
Molybdenum	**9.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7440-02-0	
Potassium	**2580**	ug/L	20.0	1	12/08/12 10:55	12/26/12 15:10	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7782-49-2	
Silica	**12100**	ug/L	1070	20	12/08/12 10:55	12/26/12 15:15	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:10	7440-22-4	
Sodium	**11200**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:10	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:10	7440-28-0	
Total Hardness by 2340B	**676000**	ug/L	1420	20	12/08/12 10:55	12/26/12 15:15		
Vanadium	**0.12**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:10	7440-62-2	
Zinc	**43.6**	ug/L	5.0	1	12/08/12 10:55	12/26/12 15:10	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**6.7**	ug/L	4.0	1	12/10/12 09:33	12/13/12 02:23	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7440-36-0	
Arsenic, Dissolved	**0.68**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7440-38-2	
Barium, Dissolved	**15.8**	ug/L	0.30	1	12/10/12 09:33	12/13/12 02:23	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 02:23	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:33	12/13/12 02:23	7440-43-9	
Calcium, Dissolved	**234000**	ug/L	400	20	12/10/12 09:33	12/13/12 02:27	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7440-47-3	
Cobalt, Dissolved	**0.94**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7440-48-4	
Copper, Dissolved	**0.57**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7440-50-8	
Iron, Dissolved	**1280**	ug/L	50.0	1	12/10/12 09:33	12/13/12 02:23	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:23	7439-92-1	
Magnesium, Dissolved	**22200**	ug/L	5.0	1	12/10/12 09:33	12/13/12 02:23	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-3 DEEP_20121127 **Lab ID: 60134390023** Collected: 11/27/12 15:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1520**	ug/L	10.0	20	12/10/12 09:33	12/13/12 02:27	7439-96-5	
Molybdenum, Dissolved	**8.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7439-98-7	
Nickel, Dissolved	**0.65**	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7440-02-0	
Potassium, Dissolved	**2220**	ug/L	20.0	1	12/10/12 09:33	12/13/12 02:23	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 02:23	7440-22-4	
Sodium, Dissolved	**10500**	ug/L	50.0	1	12/10/12 09:33	12/13/12 02:23	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:23	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 02:23	7440-62-2	
Zinc, Dissolved	**32.7**	ug/L	5.0	1	12/10/12 09:33	12/13/12 02:23	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**42.6J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:25	7429-90-5	
Antimony, Dissolved	**0.047J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-36-0	
Arsenic, Dissolved	**1.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-38-2	
Barium, Dissolved	**15.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:25	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:25	7440-43-9	
Chromium, Dissolved	**0.67J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-47-3	
Cobalt, Dissolved	**0.86J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-48-4	
Copper, Dissolved	**0.90J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-50-8	
Iron, Dissolved	**2160**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:25	7439-89-6	
Lead, Dissolved	**2.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7439-92-1	
Manganese, Dissolved	**1540**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7439-96-5	
Molybdenum, Dissolved	**9.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:25	7440-22-4	
Thallium, Dissolved	**0.074J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:25	7440-62-2	
Zinc, Dissolved	**39.6**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:25	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:20	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 13:19	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:22	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1180**	umhos/cm	10.0	1		12/06/12 14:54		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**754**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-3 DEEP_20121127 **Lab ID: 60134390023** Collected: 11/27/12 15:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.58**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**87.6**	mg/L	20.0	1		12/06/12 08:27		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:27		
Alkalinity, Total as CaCO3	**87.6**	mg/L	20.0	1		12/06/12 08:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1010**	mg/L	5.0	1		12/03/12 16:45		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:10		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 20:29	16887-00-6	
Sulfate	**640**	mg/L	50.0	50		12/04/12 19:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:39		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:55	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 18:47	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-4 DEEP_20121127 **Lab ID: 60134390024** Collected: 11/27/12 16:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**251000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:15	7440-70-2	
Magnesium, Dissolved	**28700**	ug/L	250	5	12/05/12 16:15	12/11/12 12:15	7439-95-4	
Potassium, Dissolved	**2710**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:15	7440-09-7	
Sodium, Dissolved	**10300**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:15	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**279**	ug/L	4.0	1	12/08/12 10:55	12/26/12 15:19	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7440-38-2	
Barium	**20.6**	ug/L	0.30	1	12/08/12 10:55	12/26/12 15:19	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:55	12/26/12 15:19	7440-41-7	
Cadmium	**1.7**	ug/L	0.080	1	12/08/12 10:55	12/26/12 15:19	7440-43-9	
Calcium	**267000**	ug/L	400	20	12/08/12 10:55	12/26/12 15:24	7440-70-2	
Chromium	**0.77**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7440-48-4	
Copper	**13.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7440-50-8	
Iron	**582**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:19	7439-89-6	
Lead	**5.1**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:19	7439-92-1	
Magnesium	**28600**	ug/L	100	20	12/08/12 10:55	12/26/12 15:24	7439-95-4	
Manganese	**53.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7439-96-5	
Molybdenum	**2.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7439-98-7	
Nickel	**0.72**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7440-02-0	
Potassium	**3540**	ug/L	20.0	1	12/08/12 10:55	12/26/12 15:19	7440-09-7	
Selenium	**28.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7782-49-2	
Silica	**10400**	ug/L	1070	20	12/08/12 10:55	12/26/12 15:24	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:19	7440-22-4	
Sodium	**10300**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:19	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:19	7440-28-0	
Total Hardness by 2340B	**786000**	ug/L	1420	20	12/08/12 10:55	12/26/12 15:24		
Vanadium	**0.52**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:19	7440-62-2	
Zinc	**231**	ug/L	5.0	1	12/08/12 10:55	12/26/12 15:19	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**15.1**	ug/L	4.0	1	12/10/12 09:33	12/13/12 03:16	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7440-38-2	
Barium, Dissolved	**15.4**	ug/L	0.30	1	12/10/12 09:33	12/13/12 03:16	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 03:16	7440-41-7	
Cadmium, Dissolved	**1.5**	ug/L	0.080	1	12/10/12 09:33	12/13/12 03:16	7440-43-9	
Calcium, Dissolved	**269000**	ug/L	400	20	12/10/12 09:33	12/13/12 03:21	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7440-48-4	
Copper, Dissolved	**1.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:33	12/13/12 03:16	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:16	7439-92-1	
Magnesium, Dissolved	**29600**	ug/L	100	20	12/10/12 09:33	12/13/12 03:21	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-4 DEEP_20121127 **Lab ID: 60134390024** Collected: 11/27/12 16:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**6.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7439-96-5	
Molybdenum, Dissolved	**2.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7439-98-7	
Nickel, Dissolved	**0.78**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7440-02-0	
Potassium, Dissolved	**2940**	ug/L	20.0	1	12/10/12 09:33	12/13/12 03:16	7440-09-7	
Selenium, Dissolved	**24.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:16	7440-22-4	
Sodium, Dissolved	**9350**	ug/L	50.0	1	12/10/12 09:33	12/13/12 03:16	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:16	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:16	7440-62-2	
Zinc, Dissolved	**191**	ug/L	5.0	1	12/10/12 09:33	12/13/12 03:16	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**133**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:29	7429-90-5	
Antimony, Dissolved	**0.12J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-36-0	
Arsenic, Dissolved	**2.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-38-2	
Barium, Dissolved	**17.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-39-3	
Beryllium, Dissolved	**0.077J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:29	7440-41-7	
Cadmium, Dissolved	**1.7**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:29	7440-43-9	
Chromium, Dissolved	**2.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-47-3	
Cobalt, Dissolved	**0.26J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-48-4	
Copper, Dissolved	**3.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-50-8	
Iron, Dissolved	**314**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:29	7439-89-6	
Lead, Dissolved	**4.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7439-92-1	
Manganese, Dissolved	**36.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7439-96-5	
Molybdenum, Dissolved	**2.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7439-98-7	
Nickel, Dissolved	**1.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-02-0	
Selenium, Dissolved	**22.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:29	7440-22-4	
Thallium, Dissolved	**0.040J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-28-0	
Vanadium, Dissolved	**0.30J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:29	7440-62-2	
Zinc, Dissolved	**178**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:29	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:22	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:23	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:24	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1320**	umhos/cm	10.0	1		12/06/12 14:55		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**844**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-4 DEEP_20121127 **Lab ID: 60134390024** Collected: 11/27/12 16:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.66**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**129**	mg/L	20.0	1		12/06/12 08:42		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:42		
Alkalinity, Total as CaCO3	**129**	mg/L	20.0	1		12/06/12 08:42		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1460**	mg/L	5.0	1		12/03/12 16:45		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**8.0**	mg/L	5.0	1		12/04/12 09:11		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/04/12 20:45	16887-00-6	
Sulfate	**717**	mg/L	50.0	50		12/04/12 21:02	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:40		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 14:56	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 19:01	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-4 SHALLOW_20121127 **Lab ID: 60134390025** Collected: 11/27/12 16:00 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**232000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:18	7440-70-2	
Magnesium, Dissolved	**26000**	ug/L	250	5	12/05/12 16:15	12/11/12 12:18	7439-95-4	
Potassium, Dissolved	**2590**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:18	7440-09-7	
Sodium, Dissolved	**9200**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:18	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**19900**	ug/L	4.0	1	12/08/12 10:55	12/26/12 15:28	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7440-36-0	
Arsenic	**15.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7440-38-2	
Barium	**208**	ug/L	0.30	1	12/08/12 10:55	12/26/12 15:28	7440-39-3	
Beryllium	**2.1**	ug/L	0.20	1	12/08/12 10:55	12/26/12 15:28	7440-41-7	
Cadmium	**4.4**	ug/L	0.080	1	12/08/12 10:55	12/26/12 15:28	7440-43-9	
Calcium	**254000**	ug/L	400	20	12/08/12 10:55	12/26/12 15:34	7440-70-2	
Chromium	**24.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7440-47-3	
Cobalt	**13.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7440-48-4	
Copper	**128**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7440-50-8	
Iron	**24800**	ug/L	1000	20	12/08/12 10:55	12/26/12 15:34	7439-89-6	
Lead	**185**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:28	7439-92-1	
Magnesium	**32700**	ug/L	100	20	12/08/12 10:55	12/26/12 15:34	7439-95-4	
Manganese	**817**	ug/L	10.0	20	12/08/12 10:55	12/26/12 15:34	7439-96-5	
Molybdenum	**3.7**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7439-98-7	
Nickel	**17.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7440-02-0	
Potassium	**6800**	ug/L	20.0	1	12/08/12 10:55	12/26/12 15:28	7440-09-7	
Selenium	**15.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7782-49-2	
Silica	**75500**	ug/L	1070	20	12/08/12 10:55	12/26/12 15:34	7631-86-9	
Silver	**1.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:28	7440-22-4	
Sodium	**9700**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:28	7440-23-5	
Thallium	**0.37**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:28	7440-28-0	
Total Hardness by 2340B	**769000**	ug/L	1420	20	12/08/12 10:55	12/26/12 15:34		
Vanadium	**25.5**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:28	7440-62-2	
Zinc	**703**	ug/L	100	20	12/08/12 10:55	12/26/12 15:34	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**1470**	ug/L	4.0	1	12/10/12 09:33	12/13/12 03:36	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7440-36-0	
Arsenic, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7440-38-2	
Barium, Dissolved	**40.6**	ug/L	0.30	1	12/10/12 09:33	12/13/12 03:36	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.40	2	12/10/12 09:33	12/13/12 17:44	7440-41-7	
Cadmium, Dissolved	**2.3**	ug/L	0.080	1	12/10/12 09:33	12/13/12 03:36	7440-43-9	
Calcium, Dissolved	**258000**	ug/L	400	20	12/10/12 09:33	12/13/12 03:40	7440-70-2	
Chromium, Dissolved	**1.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7440-47-3	
Cobalt, Dissolved	**0.90**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7440-48-4	
Copper, Dissolved	**8.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7440-50-8	
Iron, Dissolved	**1700**	ug/L	50.0	1	12/10/12 09:33	12/13/12 03:36	7439-89-6	
Lead, Dissolved	**10.4**	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:36	7439-92-1	
Magnesium, Dissolved	**25300**	ug/L	10.0	2	12/10/12 09:33	12/13/12 17:44	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-4 SHALLOW_20121127 **Lab ID: 60134390025** Collected: 11/27/12 16:00 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**110**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7439-96-5	
Molybdenum, Dissolved	**1.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7439-98-7	
Nickel, Dissolved	**3.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7440-02-0	
Potassium, Dissolved	**3180**	ug/L	20.0	1	12/10/12 09:33	12/13/12 03:36	7440-09-7	
Selenium, Dissolved	**12.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:36	7440-22-4	
Sodium, Dissolved	**9240**	ug/L	50.0	1	12/10/12 09:33	12/13/12 03:36	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:36	7440-28-0	
Vanadium, Dissolved	**1.9**	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:36	7440-62-2	
Zinc, Dissolved	**230**	ug/L	5.0	1	12/10/12 09:33	12/13/12 03:36	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**4370**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:42	7429-90-5	
Antimony, Dissolved	**0.12J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-36-0	
Arsenic, Dissolved	**3.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-38-2	
Barium, Dissolved	**54.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-39-3	
Beryllium, Dissolved	**1.1**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:42	7440-41-7	
Cadmium, Dissolved	**3.8**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:42	7440-43-9	
Chromium, Dissolved	**8.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-47-3	
Cobalt, Dissolved	**7.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-48-4	
Copper, Dissolved	**60.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-50-8	
Iron, Dissolved	**5850**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:42	7439-89-6	
Lead, Dissolved	**168**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7439-92-1	
Manganese, Dissolved	**583**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7439-96-5	
Molybdenum, Dissolved	**1.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7439-98-7	
Nickel, Dissolved	**15.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-02-0	
Selenium, Dissolved	**12.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7782-49-2	
Silver, Dissolved	**0.24J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:42	7440-22-4	
Thallium, Dissolved	**0.10J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-28-0	
Vanadium, Dissolved	**5.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:42	7440-62-2	
Zinc, Dissolved	**397**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:42	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:24	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:25	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:31	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1220**	umhos/cm	10.0	1		12/06/12 14:57		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**783**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-4 SHALLOW_20121127 **Lab ID: 60134390025** Collected: 11/27/12 16:00 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.61**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**160**	mg/L	20.0	1		12/06/12 08:48		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:48		
Alkalinity, Total as CaCO3	**160**	mg/L	20.0	1		12/06/12 08:48		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1010**	mg/L	5.0	1		12/03/12 16:46		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**802**	mg/L	5.0	1		12/04/12 09:11		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.3**	mg/L	1.0	1		12/04/12 21:19	16887-00-6	
Sulfate	**632**	mg/L	50.0	50		12/04/12 21:35	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.81**	mg/L	0.10	1		12/11/12 10:41		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0055**	mg/L	0.0050	1		12/07/12 14:57	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 19:16	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-5 DEEP_20121127 **Lab ID: 60134390026** Collected: 11/27/12 14:00 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**269000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:21	7440-70-2	
Magnesium, Dissolved	**54800**	ug/L	250	5	12/05/12 16:15	12/11/12 12:21	7439-95-4	
Potassium, Dissolved	**8700**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:21	7440-09-7	
Sodium, Dissolved	**6870**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:21	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**979**	ug/L	4.0	1	12/08/12 10:55	12/26/12 14:06	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7440-36-0	
Arsenic	**178**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7440-38-2	
Barium	**13.9**	ug/L	0.30	1	12/08/12 10:55	12/26/12 14:06	7440-39-3	
Beryllium	**2.8**	ug/L	0.20	1	12/08/12 10:55	12/26/12 14:06	7440-41-7	
Cadmium	**0.33**	ug/L	0.080	1	12/08/12 10:55	12/26/12 14:06	7440-43-9	
Calcium	**291000**	ug/L	400	20	12/08/12 10:55	12/26/12 14:10	7440-70-2	
Chromium	**0.56**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7440-47-3	
Cobalt	**10.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7440-48-4	
Copper	**7.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7440-50-8	
Iron	**79800**	ug/L	1000	20	12/08/12 10:55	12/26/12 14:10	7439-89-6	
Lead	**28.7**	ug/L	0.10	1	12/08/12 10:55	12/26/12 14:06	7439-92-1	
Magnesium	**56500**	ug/L	100	20	12/08/12 10:55	12/26/12 14:10	7439-95-4	
Manganese	**12000**	ug/L	50.0	100	12/08/12 10:55	12/26/12 14:15	7439-96-5	
Molybdenum	**16.3**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7439-98-7	
Nickel	**9.6**	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7440-02-0	
Potassium	**10200**	ug/L	20.0	1	12/08/12 10:55	12/26/12 14:06	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7782-49-2	
Silica	**24600**	ug/L	1070	20	12/08/12 10:55	12/26/12 14:10	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 14:06	7440-22-4	
Sodium	**6950**	ug/L	50.0	1	12/08/12 10:55	12/26/12 14:06	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 14:06	7440-28-0	
Total Hardness by 2340B	**960000**	ug/L	1420	20	12/08/12 10:55	12/26/12 14:10		
Vanadium	**0.27**	ug/L	0.10	1	12/08/12 10:55	12/26/12 14:06	7440-62-2	
Zinc	**10100**	ug/L	500	100	12/08/12 10:55	12/26/12 14:15	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**761**	ug/L	4.0	1	12/10/12 09:33	12/13/12 03:45	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7440-36-0	
Arsenic, Dissolved	**108**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7440-38-2	
Barium, Dissolved	**12.8**	ug/L	0.30	1	12/10/12 09:33	12/13/12 03:45	7440-39-3	
Beryllium, Dissolved	**2.4**	ug/L	1.0	5	12/10/12 09:33	12/13/12 17:48	7440-41-7	
Cadmium, Dissolved	**0.16**	ug/L	0.080	1	12/10/12 09:33	12/13/12 03:45	7440-43-9	
Calcium, Dissolved	**304000**	ug/L	400	20	12/10/12 09:33	12/13/12 03:49	7440-70-2	
Chromium, Dissolved	**0.55**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7440-47-3	
Cobalt, Dissolved	**10.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7440-50-8	
Iron, Dissolved	**79200**	ug/L	250	5	12/10/12 09:33	12/13/12 17:48	7439-89-6	
Lead, Dissolved	**0.18**	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:45	7439-92-1	
Magnesium, Dissolved	**57000**	ug/L	25.0	5	12/10/12 09:33	12/13/12 17:48	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-5 DEEP_20121127 **Lab ID: 60134390026** Collected: 11/27/12 14:00 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**11500**	ug/L	25.0	50	12/10/12 09:33	12/13/12 17:53	7439-96-5	
Molybdenum, Dissolved	**15.2**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7439-98-7	
Nickel, Dissolved	**9.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7440-02-0	
Potassium, Dissolved	**9350**	ug/L	20.0	1	12/10/12 09:33	12/13/12 03:45	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:45	7440-22-4	
Sodium, Dissolved	**6910**	ug/L	50.0	1	12/10/12 09:33	12/13/12 03:45	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:45	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:45	7440-62-2	
Zinc, Dissolved	**9520**	ug/L	250	50	12/10/12 09:33	12/13/12 17:53	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**798**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:46	7429-90-5	
Antimony, Dissolved	**0.066J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-36-0	
Arsenic, Dissolved	**137**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-38-2	
Barium, Dissolved	**12.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-39-3	
Beryllium, Dissolved	**2.0**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:46	7440-41-7	
Cadmium, Dissolved	**0.22J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:46	7440-43-9	
Chromium, Dissolved	**0.69J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-47-3	
Cobalt, Dissolved	**8.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-48-4	
Copper, Dissolved	**4.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-50-8	
Iron, Dissolved	**79500**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:46	7439-89-6	
Lead, Dissolved	**25.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7439-92-1	
Manganese, Dissolved	**11600**	ug/L	100	100	12/05/12 09:00	12/07/12 14:14	7439-96-5	
Molybdenum, Dissolved	**16.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7439-98-7	
Nickel, Dissolved	**7.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:46	7440-22-4	
Thallium, Dissolved	**0.098J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:46	7440-62-2	
Zinc, Dissolved	**7930**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:46	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:31	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:28	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:33	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1740**	umhos/cm	10.0	1		12/06/12 14:58		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1110**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-5 DEEP_20121127 **Lab ID: 60134390026** Collected: 11/27/12 14:00 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.88**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**50.1**	mg/L	20.0	1		12/06/12 08:52		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:52		
Alkalinity, Total as CaCO3	**50.1**	mg/L	20.0	1		12/06/12 08:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1570**	mg/L	5.0	1		12/03/12 16:47		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**46.0**	mg/L	5.0	1		12/04/12 09:12		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.0**	mg/L	1.0	1		12/04/12 21:52	16887-00-6	
Sulfate	**1380**	mg/L	100	100		12/04/12 22:09	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:42		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0088**	mg/L	0.0050	1		12/07/12 14:57	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 19:30	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-5 SHALLOW_20121127 **Lab ID: 60134390027** Collected: 11/27/12 14:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**428000**	ug/L	1000	10	12/05/12 16:15	12/11/12 12:25	7440-70-2	
Magnesium, Dissolved	**90100**	ug/L	500	10	12/05/12 16:15	12/11/12 12:25	7439-95-4	
Potassium, Dissolved	**1360**	ug/L	500	1	12/05/12 16:15	12/11/12 14:43	7440-09-7	
Sodium, Dissolved	**11200**	ug/L	5000	10	12/05/12 16:15	12/11/12 12:25	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**37900**	ug/L	20.0	5	12/08/12 10:55	12/26/12 15:38	7429-90-5	
Antimony	ND	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7440-36-0	D3
Arsenic	**319**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7440-38-2	
Barium	**88.3**	ug/L	1.5	5	12/08/12 10:55	12/26/12 15:38	7440-39-3	
Beryllium	**7.3**	ug/L	1.0	5	12/08/12 10:55	12/26/12 15:38	7440-41-7	
Cadmium	**199**	ug/L	0.40	5	12/08/12 10:55	12/26/12 15:38	7440-43-9	
Calcium	**517000**	ug/L	4000	200	12/08/12 10:55	12/26/12 15:43	7440-70-2	
Chromium	**8.2**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7440-47-3	
Cobalt	**107**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7440-48-4	
Copper	**414**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7440-50-8	
Iron	**333000**	ug/L	10000	200	12/08/12 10:55	12/26/12 15:43	7439-89-6	
Lead	**2180**	ug/L	20.0	200	12/08/12 10:55	12/26/12 15:43	7439-92-1	
Magnesium	**104000**	ug/L	1000	200	12/08/12 10:55	12/26/12 15:43	7439-95-4	
Manganese	**18100**	ug/L	100	200	12/08/12 10:55	12/26/12 15:43	7439-96-5	
Molybdenum	**2.5**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7439-98-7	
Nickel	**184**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7440-02-0	
Potassium	**3440**	ug/L	100	5	12/08/12 10:55	12/26/12 15:38	7440-09-7	
Selenium	**8.2**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7782-49-2	
Silica	**90700**	ug/L	10700	200	12/08/12 10:55	12/26/12 15:43	7631-86-9	
Silver	**7.7**	ug/L	2.5	5	12/08/12 10:55	12/26/12 15:38	7440-22-4	
Sodium	**15400**	ug/L	250	5	12/08/12 10:55	12/26/12 15:38	7440-23-5	
Thallium	**0.85**	ug/L	0.50	5	12/08/12 10:55	12/26/12 15:38	7440-28-0	
Total Hardness by 2340B	**1720000**	ug/L	14200	200	12/08/12 10:55	12/26/12 15:43		
Vanadium	**7.8**	ug/L	0.50	5	12/08/12 10:55	12/26/12 15:38	7440-62-2	
Zinc	**66900**	ug/L	1000	200	12/08/12 10:55	12/26/12 15:43	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**21200**	ug/L	20.0	5	12/10/12 09:33	12/13/12 18:02	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7440-36-0	
Arsenic, Dissolved	**207**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7440-38-2	
Barium, Dissolved	**11.6**	ug/L	0.30	1	12/10/12 09:33	12/13/12 03:53	7440-39-3	
Beryllium, Dissolved	**5.8**	ug/L	1.0	5	12/10/12 09:33	12/13/12 18:02	7440-41-7	
Cadmium, Dissolved	**131**	ug/L	0.080	1	12/10/12 09:33	12/13/12 03:53	7440-43-9	
Calcium, Dissolved	**465000**	ug/L	4000	200	12/10/12 09:33	12/13/12 18:06	7440-70-2	
Chromium, Dissolved	**2.7**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7440-47-3	
Cobalt, Dissolved	**70.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7440-48-4	
Copper, Dissolved	**83.2**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7440-50-8	
Iron, Dissolved	**340000**	ug/L	1000	20	12/10/12 09:33	12/13/12 03:58	7439-89-6	
Lead, Dissolved	**570**	ug/L	0.50	5	12/10/12 09:33	12/13/12 18:02	7439-92-1	
Magnesium, Dissolved	**85600**	ug/L	25.0	5	12/10/12 09:33	12/13/12 18:02	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-5 SHALLOW_20121127 **Lab ID: 60134390027** Collected: 11/27/12 14:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**17300**	ug/L	100	200	12/10/12 09:33	12/13/12 18:06	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7439-98-7	
Nickel, Dissolved	**126**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7440-02-0	
Potassium, Dissolved	**1610**	ug/L	20.0	1	12/10/12 09:33	12/13/12 03:53	7440-09-7	
Selenium, Dissolved	**4.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 03:53	7440-22-4	
Sodium, Dissolved	**11700**	ug/L	50.0	1	12/10/12 09:33	12/13/12 03:53	7440-23-5	
Thallium, Dissolved	**0.35**	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:53	7440-28-0	
Vanadium, Dissolved	**1.6**	ug/L	0.10	1	12/10/12 09:33	12/13/12 03:53	7440-62-2	
Zinc, Dissolved	**61600**	ug/L	1000	200	12/10/12 09:33	12/13/12 18:06	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**20800**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:50	7429-90-5	
Antimony, Dissolved	**0.24J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-36-0	
Arsenic, Dissolved	**172**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-38-2	
Barium, Dissolved	**14.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-39-3	
Beryllium, Dissolved	**4.1**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:50	7440-41-7	
Cadmium, Dissolved	**121**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:50	7440-43-9	
Chromium, Dissolved	**4.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-47-3	
Cobalt, Dissolved	**63.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-48-4	
Copper, Dissolved	**148**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-50-8	
Iron, Dissolved	**293000**	ug/L	5000	100	12/05/12 09:00	12/07/12 14:17	7439-89-6	
Lead, Dissolved	**1730**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7439-92-1	
Manganese, Dissolved	**17000**	ug/L	100	100	12/05/12 09:00	12/07/12 14:17	7439-96-5	
Molybdenum, Dissolved	**0.65J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7439-98-7	
Nickel, Dissolved	**106**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-02-0	
Selenium, Dissolved	**5.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7782-49-2	
Silver, Dissolved	**0.075J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:50	7440-22-4	
Thallium, Dissolved	**0.53J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-28-0	
Vanadium, Dissolved	**2.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:50	7440-62-2	
Zinc, Dissolved	**66100**	ug/L	1000	100	12/05/12 09:00	12/07/12 14:17	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:33	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:30	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:35	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**3380**	umhos/cm	10.0	1		12/06/12 14:59		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**2160**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-5 SHALLOW_20121127 **Lab ID: 60134390027** Collected: 11/27/12 14:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.8**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:55		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:55		
Alkalinity, Total as CaCO3	ND	mg/L	20.0	1		12/06/12 08:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**3690**	mg/L	5.0	1		12/03/12 16:48		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**157**	mg/L	5.0	1		12/04/12 09:13		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.4**	mg/L	1.0	1		12/05/12 11:38	16887-00-6	
Sulfate	**2630**	mg/L	500	500		12/06/12 12:50	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:43		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:00	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 19:44	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-6 DEEP_20121127 **Lab ID: 60134390028** Collected: 11/27/12 14:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**203000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:28	7440-70-2	
Magnesium, Dissolved	**28700**	ug/L	250	5	12/05/12 16:15	12/11/12 12:28	7439-95-4	
Potassium, Dissolved	**3540**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:28	7440-09-7	
Sodium, Dissolved	**4710**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:28	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**334**	ug/L	4.0	1	12/08/12 10:55	12/26/12 15:58	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7440-36-0	
Arsenic	**7.6**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7440-38-2	
Barium	**20.0**	ug/L	0.30	1	12/08/12 10:55	12/26/12 15:58	7440-39-3	
Beryllium	**0.37**	ug/L	0.20	1	12/08/12 10:55	12/26/12 15:58	7440-41-7	
Cadmium	**0.21**	ug/L	0.080	1	12/08/12 10:55	12/26/12 15:58	7440-43-9	
Calcium	**226000**	ug/L	400	20	12/08/12 10:55	12/26/12 16:03	7440-70-2	
Chromium	**0.73**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7440-47-3	
Cobalt	**2.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7440-48-4	
Copper	**2.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7440-50-8	
Iron	**5510**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:58	7439-89-6	
Lead	**5.6**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:58	7439-92-1	
Magnesium	**30000**	ug/L	100	20	12/08/12 10:55	12/26/12 16:03	7439-95-4	
Manganese	**4820**	ug/L	10.0	20	12/08/12 10:55	12/26/12 16:03	7439-96-5	
Molybdenum	**5.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7439-98-7	
Nickel	**2.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7440-02-0	
Potassium	**4650**	ug/L	20.0	1	12/08/12 10:55	12/26/12 15:58	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7782-49-2	
Silica	**12700**	ug/L	1070	20	12/08/12 10:55	12/26/12 16:03	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 15:58	7440-22-4	
Sodium	**4940**	ug/L	50.0	1	12/08/12 10:55	12/26/12 15:58	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:58	7440-28-0	
Total Hardness by 2340B	**687000**	ug/L	1420	20	12/08/12 10:55	12/26/12 16:03		
Vanadium	**0.34**	ug/L	0.10	1	12/08/12 10:55	12/26/12 15:58	7440-62-2	
Zinc	**403**	ug/L	5.0	1	12/08/12 10:55	12/26/12 15:58	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**121**	ug/L	4.0	1	12/10/12 09:33	12/13/12 04:02	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7440-36-0	
Arsenic, Dissolved	**1.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7440-38-2	
Barium, Dissolved	**16.8**	ug/L	0.30	1	12/10/12 09:33	12/13/12 04:02	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.40	2	12/10/12 09:33	12/14/12 13:40	7440-41-7	
Cadmium, Dissolved	**0.14**	ug/L	0.080	1	12/10/12 09:33	12/13/12 04:02	7440-43-9	
Calcium, Dissolved	**240000**	ug/L	400	20	12/10/12 09:33	12/13/12 04:06	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7440-47-3	
Cobalt, Dissolved	**2.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7440-50-8	
Iron, Dissolved	**4390**	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:02	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:02	7439-92-1	
Magnesium, Dissolved	**30200**	ug/L	10.0	2	12/10/12 09:33	12/13/12 17:57	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-6 DEEP_20121127 **Lab ID: 60134390028** Collected: 11/27/12 14:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**5200**	ug/L	10.0	20	12/10/12 09:33	12/13/12 04:06	7439-96-5	
Molybdenum, Dissolved	**4.7**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7439-98-7	
Nickel, Dissolved	**2.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7440-02-0	
Potassium, Dissolved	**4210**	ug/L	20.0	1	12/10/12 09:33	12/13/12 04:02	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:02	7440-22-4	
Sodium, Dissolved	**4890**	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:02	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:02	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:02	7440-62-2	
Zinc, Dissolved	**357**	ug/L	5.0	1	12/10/12 09:33	12/13/12 04:02	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**216**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:54	7429-90-5	
Antimony, Dissolved	**0.20J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-36-0	
Arsenic, Dissolved	**6.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-38-2	
Barium, Dissolved	**17.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-39-3	
Beryllium, Dissolved	**0.33J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:54	7440-41-7	
Cadmium, Dissolved	**0.18J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:54	7440-43-9	
Chromium, Dissolved	**0.93J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-47-3	
Cobalt, Dissolved	**1.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-48-4	
Copper, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-50-8	
Iron, Dissolved	**4920**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:54	7439-89-6	
Lead, Dissolved	**4.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7439-92-1	
Manganese, Dissolved	**4980**	ug/L	100	100	12/05/12 09:00	12/07/12 14:20	7439-96-5	
Molybdenum, Dissolved	**5.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7439-98-7	
Nickel, Dissolved	**2.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:54	7440-22-4	
Thallium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:54	7440-62-2	
Zinc, Dissolved	**329**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:54	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:35	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:32	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:44	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1120**	umhos/cm	10.0	1		12/06/12 15:00		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**718**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-6 DEEP_20121127 **Lab ID: 60134390028** Collected: 11/27/12 14:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.56**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**179**	mg/L	20.0	1		12/06/12 08:59		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 08:59		
Alkalinity, Total as CaCO3	**179**	mg/L	20.0	1		12/06/12 08:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**943**	mg/L	5.0	1		12/03/12 16:48		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**13.0**	mg/L	5.0	1		12/04/12 09:13		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:52	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/04/12 23:49	16887-00-6	
Sulfate	**551**	mg/L	50.0	50		12/04/12 22:59	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:44		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0084**	mg/L	0.0050	1		12/07/12 15:00	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 19:58	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-6 SHALLOW_20121127 **Lab ID: 60134390029** Collected: 11/27/12 14:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**329000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:32	7440-70-2	
Magnesium, Dissolved	**50800**	ug/L	250	5	12/05/12 16:15	12/11/12 12:32	7439-95-4	
Potassium, Dissolved	**10700**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:32	7440-09-7	
Sodium, Dissolved	**3650**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:32	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**17600**	ug/L	4.0	1	12/08/12 10:55	12/26/12 16:07	7429-90-5	
Antimony	**0.58**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7440-36-0	
Arsenic	**91.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7440-38-2	
Barium	**105**	ug/L	0.30	1	12/08/12 10:55	12/26/12 16:07	7440-39-3	
Beryllium	**1.7**	ug/L	0.20	1	12/08/12 10:55	12/26/12 16:07	7440-41-7	
Cadmium	**14.3**	ug/L	0.080	1	12/08/12 10:55	12/26/12 16:07	7440-43-9	
Calcium	**371000**	ug/L	400	20	12/08/12 10:55	12/26/12 16:12	7440-70-2	
Chromium	**16.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7440-47-3	
Cobalt	**13.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7440-48-4	
Copper	**95.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7440-50-8	
Iron	**65800**	ug/L	1000	20	12/08/12 10:55	12/26/12 16:12	7439-89-6	
Lead	**186**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:07	7439-92-1	
Magnesium	**58200**	ug/L	100	20	12/08/12 10:55	12/26/12 16:12	7439-95-4	
Manganese	**6920**	ug/L	10.0	20	12/08/12 10:55	12/26/12 16:12	7439-96-5	
Molybdenum	**7.6**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7439-98-7	
Nickel	**22.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7440-02-0	
Potassium	**15900**	ug/L	20.0	1	12/08/12 10:55	12/26/12 16:07	7440-09-7	
Selenium	**2.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7782-49-2	
Silica	**75000**	ug/L	1070	20	12/08/12 10:55	12/26/12 16:12	7631-86-9	
Silver	**0.71**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:07	7440-22-4	
Sodium	**4110**	ug/L	50.0	1	12/08/12 10:55	12/26/12 16:07	7440-23-5	
Thallium	**0.54**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:07	7440-28-0	
Total Hardness by 2340B	**1160000**	ug/L	1420	20	12/08/12 10:55	12/26/12 16:12		
Vanadium	**20.4**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:07	7440-62-2	
Zinc	**3270**	ug/L	100	20	12/08/12 10:55	12/26/12 16:12	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**1430**	ug/L	4.0	1	12/10/12 09:33	12/13/12 04:11	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7440-36-0	
Arsenic, Dissolved	**43.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7440-38-2	
Barium, Dissolved	**21.0**	ug/L	0.30	1	12/10/12 09:33	12/13/12 04:11	7440-39-3	
Beryllium, Dissolved	**1.1**	ug/L	0.40	2	12/10/12 09:33	12/13/12 18:21	7440-41-7	
Cadmium, Dissolved	**0.66**	ug/L	0.080	1	12/10/12 09:33	12/13/12 04:11	7440-43-9	
Calcium, Dissolved	**380000**	ug/L	400	20	12/10/12 09:33	12/13/12 04:15	7440-70-2	
Chromium, Dissolved	**0.83**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7440-47-3	
Cobalt, Dissolved	**4.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7440-48-4	
Copper, Dissolved	**5.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7440-50-8	
Iron, Dissolved	**50800**	ug/L	1000	20	12/10/12 09:33	12/13/12 04:15	7439-89-6	
Lead, Dissolved	**8.0**	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:11	7439-92-1	
Magnesium, Dissolved	**55100**	ug/L	100	20	12/10/12 09:33	12/13/12 04:15	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-6 SHALLOW_20121127 **Lab ID: 60134390029** Collected: 11/27/12 14:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**7120**	ug/L	10.0	20	12/10/12 09:33	12/13/12 04:15	7439-96-5	
Molybdenum, Dissolved	**4.5**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7439-98-7	
Nickel, Dissolved	**3.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7440-02-0	
Potassium, Dissolved	**11700**	ug/L	20.0	1	12/10/12 09:33	12/13/12 04:11	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:11	7440-22-4	
Sodium, Dissolved	**3870**	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:11	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:11	7440-28-0	
Vanadium, Dissolved	**0.94**	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:11	7440-62-2	
Zinc, Dissolved	**744**	ug/L	10.0	2	12/10/12 09:33	12/13/12 18:21	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**6220**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:58	7429-90-5	
Antimony, Dissolved	**0.12J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-36-0	
Arsenic, Dissolved	**56.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-38-2	
Barium, Dissolved	**24.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-39-3	
Beryllium, Dissolved	**0.97**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:58	7440-41-7	
Cadmium, Dissolved	**10.4**	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:58	7440-43-9	
Chromium, Dissolved	**5.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-47-3	
Cobalt, Dissolved	**7.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-48-4	
Copper, Dissolved	**37.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-50-8	
Iron, Dissolved	**53200**	ug/L	50.0	1	12/05/12 09:00	12/06/12 18:58	7439-89-6	
Lead, Dissolved	**175**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7439-92-1	
Manganese, Dissolved	**6920**	ug/L	100	100	12/05/12 09:00	12/07/12 14:23	7439-96-5	
Molybdenum, Dissolved	**3.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7439-98-7	
Nickel, Dissolved	**11.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-02-0	
Selenium, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 18:58	7440-22-4	
Thallium, Dissolved	**0.28J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-28-0	
Vanadium, Dissolved	**5.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 18:58	7440-62-2	
Zinc, Dissolved	**2330**	ug/L	10.0	1	12/05/12 09:00	12/06/12 18:58	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:42	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:49	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:46	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1760**	umhos/cm	10.0	1		12/06/12 15:01		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1130**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-6 SHALLOW_20121127 **Lab ID: 60134390029** Collected: 11/27/12 14:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.89**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**105**	mg/L	20.0	1		12/06/12 09:10		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:10		
Alkalinity, Total as CaCO3	**105**	mg/L	20.0	1		12/06/12 09:10		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1650**	mg/L	5.0	1		12/03/12 16:48		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**378**	mg/L	5.0	1		12/04/12 09:14		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:53	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.3**	mg/L	1.0	1		12/05/12 12:11	16887-00-6	
Sulfate	**1150**	mg/L	100	100		12/05/12 12:28	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:46		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0058**	mg/L	0.0050	1		12/07/12 15:01	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 20:12	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-101_20121127 **Lab ID: 60134390030** Collected: 11/27/12 13:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**392000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:42	7440-70-2	
Magnesium, Dissolved	**55600**	ug/L	250	5	12/05/12 16:15	12/11/12 12:42	7439-95-4	
Potassium, Dissolved	**5940**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:42	7440-09-7	
Sodium, Dissolved	**83600**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:42	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**11000**	ug/L	4.0	1	12/08/12 10:55	12/26/12 16:17	7429-90-5	
Antimony	**0.50**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7440-36-0	
Arsenic	**14.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7440-38-2	
Barium	**170**	ug/L	0.30	1	12/08/12 10:55	12/26/12 16:17	7440-39-3	
Beryllium	**0.95**	ug/L	0.20	1	12/08/12 10:55	12/26/12 16:17	7440-41-7	
Cadmium	**3.4**	ug/L	0.080	1	12/08/12 10:55	12/26/12 16:17	7440-43-9	
Calcium	**442000**	ug/L	400	20	12/08/12 10:55	12/26/12 16:22	7440-70-2	
Chromium	**22.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7440-47-3	
Cobalt	**24.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7440-48-4	
Copper	**79.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7440-50-8	
Iron	**62800**	ug/L	1000	20	12/08/12 10:55	12/26/12 16:22	7439-89-6	
Lead	**1020**	ug/L	2.0	20	12/08/12 10:55	12/26/12 16:22	7439-92-1	
Magnesium	**63200**	ug/L	100	20	12/08/12 10:55	12/26/12 16:22	7439-95-4	
Manganese	**11000**	ug/L	50.0	100	12/08/12 10:55	12/26/12 16:27	7439-96-5	
Molybdenum	**6.6**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7439-98-7	
Nickel	**31.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7440-02-0	
Potassium	**9930**	ug/L	20.0	1	12/08/12 10:55	12/26/12 16:17	7440-09-7	
Selenium	**2.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7782-49-2	
Silica	**60400**	ug/L	1070	20	12/08/12 10:55	12/26/12 16:22	7631-86-9	
Silver	**5.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:17	7440-22-4	
Sodium	**82900**	ug/L	1000	20	12/08/12 10:55	12/26/12 16:22	7440-23-5	
Thallium	**0.51**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:17	7440-28-0	
Total Hardness by 2340B	**1360000**	ug/L	1420	20	12/08/12 10:55	12/26/12 16:22		
Vanadium	**17.2**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:17	7440-62-2	
Zinc	**936**	ug/L	100	20	12/08/12 10:55	12/26/12 16:22	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**188**	ug/L	4.0	1	12/10/12 09:33	12/13/12 04:30	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7440-38-2	
Barium, Dissolved	**16.6**	ug/L	0.30	1	12/10/12 09:33	12/13/12 04:30	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 04:30	7440-41-7	
Cadmium, Dissolved	**0.17**	ug/L	0.080	1	12/10/12 09:33	12/13/12 04:30	7440-43-9	
Calcium, Dissolved	**432000**	ug/L	400	20	12/10/12 09:33	12/13/12 04:34	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7440-47-3	
Cobalt, Dissolved	**17.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7440-50-8	
Iron, Dissolved	**34200**	ug/L	1000	20	12/10/12 09:33	12/13/12 04:34	7439-89-6	
Lead, Dissolved	**0.19**	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:30	7439-92-1	
Magnesium, Dissolved	**58200**	ug/L	100	20	12/10/12 09:33	12/13/12 04:34	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-101_20121127 **Lab ID: 60134390030** Collected: 11/27/12 13:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**9580**	ug/L	25.0	50	12/10/12 09:33	12/13/12 18:26	7439-96-5	
Molybdenum, Dissolved	**0.85**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7439-98-7	
Nickel, Dissolved	**17.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7440-02-0	
Potassium, Dissolved	**6310**	ug/L	20.0	1	12/10/12 09:33	12/13/12 04:30	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:30	7440-22-4	
Sodium, Dissolved	**84300**	ug/L	1000	20	12/10/12 09:33	12/13/12 04:34	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:30	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:30	7440-62-2	
Zinc, Dissolved	**514**	ug/L	100	20	12/10/12 09:33	12/13/12 04:34	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**1880**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:03	7429-90-5	
Antimony, Dissolved	**0.15J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-36-0	
Arsenic, Dissolved	**2.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-38-2	
Barium, Dissolved	**27.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-39-3	
Beryllium, Dissolved	**0.54**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:03	7440-41-7	
Cadmium, Dissolved	**2.1**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:03	7440-43-9	
Chromium, Dissolved	**7.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-47-3	
Cobalt, Dissolved	**16.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-48-4	
Copper, Dissolved	**24.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-50-8	
Iron, Dissolved	**37900**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:03	7439-89-6	M1
Lead, Dissolved	**547**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7439-92-1	
Manganese, Dissolved	**10400**	ug/L	100	100	12/05/12 09:00	12/07/12 14:26	7439-96-5	M6
Molybdenum, Dissolved	**0.53J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7439-98-7	
Nickel, Dissolved	**18.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-02-0	
Selenium, Dissolved	**0.56J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:03	7440-22-4	
Thallium, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-28-0	
Vanadium, Dissolved	**3.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:03	7440-62-2	
Zinc, Dissolved	**553**	ug/L	10.0	1	12/05/12 09:00	12/06/12 19:03	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:44	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:51	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:48	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**2390**	umhos/cm	10.0	1		12/06/12 15:03		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1530**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-101_20121127 **Lab ID: 60134390030** Collected: 11/27/12 13:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.2**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**311**	mg/L	20.0	1		12/06/12 09:16		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:16		
Alkalinity, Total as CaCO3	**311**	mg/L	20.0	1		12/06/12 09:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2060**	mg/L	5.0	1		12/03/12 16:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**638**	mg/L	5.0	1		12/04/12 09:15		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:53	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**4.6**	mg/L	1.0	1		12/05/12 00:39	16887-00-6	
Sulfate	**1350**	mg/L	100	100		12/05/12 00:56	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 10:47		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0068**	mg/L	0.0050	1		12/07/12 15:01	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 20:26	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-102_20121127 **Lab ID: 60134390031** Collected: 11/27/12 13:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**205000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:45	7440-70-2	
Magnesium, Dissolved	**24000**	ug/L	250	5	12/05/12 16:15	12/11/12 12:45	7439-95-4	
Potassium, Dissolved	**2610**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:45	7440-09-7	
Sodium, Dissolved	**6380**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:45	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**69600**	ug/L	20.0	5	12/08/12 10:55	12/27/12 10:35	7429-90-5	
Antimony	**0.96**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7440-36-0	
Arsenic	**61.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7440-38-2	
Barium	**307**	ug/L	0.30	1	12/08/12 10:55	12/26/12 16:31	7440-39-3	
Beryllium	**4.9**	ug/L	0.20	1	12/08/12 10:55	12/26/12 16:31	7440-41-7	
Cadmium	**8.7**	ug/L	0.080	1	12/08/12 10:55	12/26/12 16:31	7440-43-9	
Calcium	**233000**	ug/L	400	20	12/08/12 10:55	12/26/12 16:37	7440-70-2	
Chromium	**63.6**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7440-47-3	
Cobalt	**83.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7440-48-4	
Copper	**208**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7440-50-8	
Iron	**80500**	ug/L	250	5	12/08/12 10:55	12/27/12 10:35	7439-89-6	
Lead	**419**	ug/L	0.50	5	12/08/12 10:55	12/27/12 10:35	7439-92-1	
Magnesium	**59900**	ug/L	25.0	5	12/08/12 10:55	12/27/12 10:35	7439-95-4	
Manganese	**7450**	ug/L	10.0	20	12/08/12 10:55	12/26/12 16:37	7439-96-5	
Molybdenum	**23.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7439-98-7	
Nickel	**68.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7440-02-0	
Potassium	**9160**	ug/L	20.0	1	12/08/12 10:55	12/26/12 16:31	7440-09-7	
Selenium	**8.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7782-49-2	
Silica	**139000**	ug/L	5350	100	12/08/12 10:55	12/26/12 16:41	7631-86-9	
Silver	**1.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:31	7440-22-4	
Sodium	**7270**	ug/L	50.0	1	12/08/12 10:55	12/26/12 16:31	7440-23-5	
Thallium	**1.6**	ug/L	0.50	5	12/08/12 10:55	12/27/12 10:35	7440-28-0	
Total Hardness by 2340B	**828000**	ug/L	1420	20	12/08/12 10:55	12/26/12 16:37		
Vanadium	**71.2**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:31	7440-62-2	
Zinc	**2020**	ug/L	25.0	5	12/08/12 10:55	12/27/12 10:35	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**970**	ug/L	4.0	1	12/10/12 09:33	12/13/12 04:39	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7440-36-0	
Arsenic, Dissolved	**1.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7440-38-2	
Barium, Dissolved	**27.8**	ug/L	0.30	1	12/10/12 09:33	12/13/12 04:39	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 04:39	7440-41-7	
Cadmium, Dissolved	**1.2**	ug/L	0.080	1	12/10/12 09:33	12/13/12 04:39	7440-43-9	
Calcium, Dissolved	**220000**	ug/L	400	20	12/10/12 09:33	12/13/12 04:43	7440-70-2	
Chromium, Dissolved	**1.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7440-47-3	
Cobalt, Dissolved	**1.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7440-48-4	
Copper, Dissolved	**4.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7440-50-8	
Iron, Dissolved	**1300**	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:39	7439-89-6	
Lead, Dissolved	**7.1**	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:39	7439-92-1	
Magnesium, Dissolved	**21600**	ug/L	5.0	1	12/10/12 09:33	12/13/12 04:39	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-102_20121127 **Lab ID: 60134390031** Collected: 11/27/12 13:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**266**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7439-96-5	
Molybdenum, Dissolved	**2.2**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7439-98-7	
Nickel, Dissolved	**3.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7440-02-0	
Potassium, Dissolved	**2740**	ug/L	20.0	1	12/10/12 09:33	12/13/12 04:39	7440-09-7	
Selenium, Dissolved	**1.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:39	7440-22-4	
Sodium, Dissolved	**6240**	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:39	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:39	7440-28-0	
Vanadium, Dissolved	**1.6**	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:39	7440-62-2	
Zinc, Dissolved	**120**	ug/L	5.0	1	12/10/12 09:33	12/13/12 04:39	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**6610**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:40	7429-90-5	
Antimony, Dissolved	**0.16J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-36-0	
Arsenic, Dissolved	**4.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-38-2	
Barium, Dissolved	**73.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-39-3	
Beryllium, Dissolved	**2.2**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:40	7440-41-7	
Cadmium, Dissolved	**5.0**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:40	7440-43-9	
Chromium, Dissolved	**14.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-47-3	
Cobalt, Dissolved	**16.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-48-4	
Copper, Dissolved	**59.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-50-8	
Iron, Dissolved	**6780**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:40	7439-89-6	
Lead, Dissolved	**157**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7439-92-1	
Manganese, Dissolved	**1910**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7439-96-5	
Molybdenum, Dissolved	**0.41J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7439-98-7	
Nickel, Dissolved	**16.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-02-0	
Selenium, Dissolved	**6.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7782-49-2	
Silver, Dissolved	**0.50**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:40	7440-22-4	
Thallium, Dissolved	**0.035J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-28-0	
Vanadium, Dissolved	**5.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:40	7440-62-2	
Zinc, Dissolved	**709**	ug/L	10.0	1	12/05/12 09:00	12/06/12 19:40	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:46	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:53	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:51	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1100**	umhos/cm	10.0	1		12/06/12 15:04		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**701**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-102_20121127 **Lab ID: 60134390031** Collected: 11/27/12 13:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.54**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**227**	mg/L	20.0	1		12/06/12 09:21		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:21		
Alkalinity, Total as CaCO3	**227**	mg/L	20.0	1		12/06/12 09:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**863**	mg/L	5.0	1		12/03/12 16:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**1780**	mg/L	5.0	1		12/04/12 09:15		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:54	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/05/12 01:12	16887-00-6	
Sulfate	**439**	mg/L	50.0	50		12/04/12 12:19	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.46**	mg/L	0.10	1		12/11/12 17:13		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0058**	mg/L	0.0050	1		12/07/12 15:05	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 20:41	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-103_20121127 **Lab ID: 60134390032** Collected: 11/27/12 09:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**273000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:49	7440-70-2	M1
Magnesium, Dissolved	**28200**	ug/L	250	5	12/05/12 16:15	12/11/12 12:49	7439-95-4	
Potassium, Dissolved	**3000**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:49	7440-09-7	
Sodium, Dissolved	**14200**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:49	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**144**	ug/L	4.0	1	12/08/12 10:55	12/26/12 16:56	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7440-36-0	
Arsenic	**2.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7440-38-2	
Barium	**35.6**	ug/L	0.30	1	12/08/12 10:55	12/26/12 16:56	7440-39-3	
Beryllium	**0.31**	ug/L	0.20	1	12/08/12 10:55	12/26/12 16:56	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/08/12 10:55	12/26/12 16:56	7440-43-9	
Calcium	**297000**	ug/L	400	20	12/08/12 10:55	12/26/12 17:00	7440-70-2	
Chromium	**6.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7440-47-3	
Cobalt	**3.6**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7440-48-4	
Copper	**0.98**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7440-50-8	
Iron	**5900**	ug/L	50.0	1	12/08/12 10:55	12/26/12 16:56	7439-89-6	
Lead	**2.3**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:56	7439-92-1	
Magnesium	**29200**	ug/L	100	20	12/08/12 10:55	12/26/12 17:00	7439-95-4	
Manganese	**8040**	ug/L	10.0	20	12/08/12 10:55	12/26/12 17:00	7439-96-5	
Molybdenum	**10.7**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7439-98-7	
Nickel	**3.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7440-02-0	
Potassium	**4120**	ug/L	20.0	1	12/08/12 10:55	12/26/12 16:56	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7782-49-2	
Silica	**21300**	ug/L	1070	20	12/08/12 10:55	12/26/12 17:00	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 16:56	7440-22-4	
Sodium	**14800**	ug/L	50.0	1	12/08/12 10:55	12/26/12 16:56	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:56	7440-28-0	
Total Hardness by 2340B	**862000**	ug/L	1420	20	12/08/12 10:55	12/26/12 17:00		
Vanadium	**0.28**	ug/L	0.10	1	12/08/12 10:55	12/26/12 16:56	7440-62-2	
Zinc	**87.4**	ug/L	5.0	1	12/08/12 10:55	12/26/12 16:56	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**24.3**	ug/L	4.0	1	12/10/12 09:33	12/13/12 04:47	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7440-36-0	
Arsenic, Dissolved	**1.7**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7440-38-2	
Barium, Dissolved	**32.4**	ug/L	0.30	1	12/10/12 09:33	12/13/12 04:47	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.40	2	12/10/12 09:33	12/13/12 18:30	7440-41-7	D3
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:33	12/13/12 04:47	7440-43-9	
Calcium, Dissolved	**308000**	ug/L	400	20	12/10/12 09:33	12/13/12 04:52	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7440-47-3	
Cobalt, Dissolved	**3.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7440-48-4	
Copper, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7440-50-8	
Iron, Dissolved	**3640**	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:47	7439-89-6	
Lead, Dissolved	**0.20**	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:47	7439-92-1	
Magnesium, Dissolved	**28500**	ug/L	10.0	2	12/10/12 09:33	12/13/12 18:30	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-103_20121127 **Lab ID: 60134390032** Collected: 11/27/12 09:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**8480**	ug/L	10.0	20	12/10/12 09:33	12/13/12 04:52	7439-96-5	
Molybdenum, Dissolved	**9.2**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7439-98-7	
Nickel, Dissolved	**2.8**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7440-02-0	
Potassium, Dissolved	**3620**	ug/L	20.0	1	12/10/12 09:33	12/13/12 04:47	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:47	7440-22-4	
Sodium, Dissolved	**14100**	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:47	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:47	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:47	7440-62-2	
Zinc, Dissolved	**82.8**	ug/L	5.0	1	12/10/12 09:33	12/13/12 04:47	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**45.0J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:44	7429-90-5	
Antimony, Dissolved	**0.056J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-36-0	
Arsenic, Dissolved	**2.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-38-2	
Barium, Dissolved	**31.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-39-3	
Beryllium, Dissolved	**0.23J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:44	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:44	7440-43-9	
Chromium, Dissolved	**0.91J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-47-3	
Cobalt, Dissolved	**2.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-48-4	
Copper, Dissolved	**0.61J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-50-8	
Iron, Dissolved	**5150**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:44	7439-89-6	
Lead, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7439-92-1	
Manganese, Dissolved	**8270**	ug/L	100	100	12/05/12 09:00	12/07/12 14:32	7439-96-5	
Molybdenum, Dissolved	**10.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7439-98-7	
Nickel, Dissolved	**0.83J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:44	7440-22-4	
Thallium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:44	7440-62-2	
Zinc, Dissolved	**65.6**	ug/L	10.0	1	12/05/12 09:00	12/06/12 19:44	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:13	12/12/12 10:48	7439-97-6	M1
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:56	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:53	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1490**	umhos/cm	10.0	1		12/06/12 15:07		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**954**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-103_20121127 **Lab ID: 60134390032** Collected: 11/27/12 09:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.75**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**269**	mg/L	20.0	1		12/06/12 09:26		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:26		
Alkalinity, Total as CaCO3	**269**	mg/L	20.0	1		12/06/12 09:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1200**	mg/L	5.0	1		12/03/12 16:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**16.0**	mg/L	5.0	1		12/04/12 09:16		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:54	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.6**	mg/L	1.0	1		12/05/12 01:29	16887-00-6	
Sulfate	**638**	mg/L	50.0	50		12/04/12 12:36	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:52		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.011**	mg/L	0.0050	1		12/07/12 15:05	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.5**	mg/L	1.0	1		12/06/12 20:55	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-104_20121127 **Lab ID: 60134390033** Collected: 11/28/12 09:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**234000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:55	7440-70-2	
Magnesium, Dissolved	**23200**	ug/L	250	5	12/05/12 16:15	12/11/12 12:55	7439-95-4	
Potassium, Dissolved	**23600**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:55	7440-09-7	
Sodium, Dissolved	**25100**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:55	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**54.6**	ug/L	4.0	1	12/08/12 10:55	12/26/12 17:05	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7440-38-2	
Barium	**31.4**	ug/L	0.30	1	12/08/12 10:55	12/26/12 17:05	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:55	12/26/12 17:05	7440-41-7	
Cadmium	**2.4**	ug/L	0.080	1	12/08/12 10:55	12/26/12 17:05	7440-43-9	
Calcium	**256000**	ug/L	400	20	12/08/12 10:55	12/26/12 17:09	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7440-48-4	
Copper	**1.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7440-50-8	
Iron	**83.9**	ug/L	50.0	1	12/08/12 10:55	12/26/12 17:05	7439-89-6	
Lead	**0.94**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:05	7439-92-1	
Magnesium	**23600**	ug/L	100	20	12/08/12 10:55	12/26/12 17:09	7439-95-4	
Manganese	**118**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7439-96-5	
Molybdenum	**34.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7439-98-7	
Nickel	**0.78**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7440-02-0	
Potassium	**26300**	ug/L	400	20	12/08/12 10:55	12/26/12 17:09	7440-09-7	
Selenium	**1.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7782-49-2	
Silica	**12000**	ug/L	1070	20	12/08/12 10:55	12/26/12 17:09	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:05	7440-22-4	
Sodium	**24100**	ug/L	1000	20	12/08/12 10:55	12/26/12 17:09	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:05	7440-28-0	
Total Hardness by 2340B	**735000**	ug/L	1420	20	12/08/12 10:55	12/26/12 17:09		
Vanadium	**0.12**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:05	7440-62-2	
Zinc	**815**	ug/L	100	20	12/08/12 10:55	12/26/12 17:09	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**8.6**	ug/L	4.0	1	12/10/12 09:33	12/13/12 04:56	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7440-38-2	
Barium, Dissolved	**30.6**	ug/L	0.30	1	12/10/12 09:33	12/13/12 04:56	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 04:56	7440-41-7	
Cadmium, Dissolved	**2.3**	ug/L	0.080	1	12/10/12 09:33	12/13/12 04:56	7440-43-9	
Calcium, Dissolved	**262000**	ug/L	400	20	12/10/12 09:33	12/13/12 05:00	7440-70-2	
Chromium, Dissolved	**4.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7440-48-4	
Copper, Dissolved	**2.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:33	12/13/12 04:56	7439-89-6	
Lead, Dissolved	**0.13**	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:56	7439-92-1	
Magnesium, Dissolved	**24100**	ug/L	100	20	12/10/12 09:33	12/13/12 05:00	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-104_20121127 **Lab ID: 60134390033** Collected: 11/28/12 09:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**106**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7439-96-5	
Molybdenum, Dissolved	**31.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7439-98-7	
Nickel, Dissolved	**3.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7440-02-0	
Potassium, Dissolved	**25600**	ug/L	400	20	12/10/12 09:33	12/13/12 05:00	7440-09-7	
Selenium, Dissolved	**1.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 04:56	7440-22-4	
Sodium, Dissolved	**25200**	ug/L	1000	20	12/10/12 09:33	12/13/12 05:00	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:56	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 04:56	7440-62-2	
Zinc, Dissolved	**827**	ug/L	100	20	12/10/12 09:33	12/13/12 05:00	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**32.2J**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:48	7429-90-5	
Antimony, Dissolved	**0.088J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-36-0	
Arsenic, Dissolved	**0.33J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-38-2	
Barium, Dissolved	**30.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:48	7440-41-7	
Cadmium, Dissolved	**2.3**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:48	7440-43-9	
Chromium, Dissolved	**0.53J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-47-3	
Cobalt, Dissolved	**0.056J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-48-4	
Copper, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-50-8	
Iron, Dissolved	**75.6**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:48	7439-89-6	
Lead, Dissolved	**0.93J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7439-92-1	B
Manganese, Dissolved	**121**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7439-96-5	
Molybdenum, Dissolved	**35.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7439-98-7	
Nickel, Dissolved	**0.56J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-02-0	
Selenium, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:48	7440-22-4	
Thallium, Dissolved	**0.034J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:48	7440-62-2	
Zinc, Dissolved	**682**	ug/L	10.0	1	12/05/12 09:00	12/06/12 19:48	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:01	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:58	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:55	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1370**	umhos/cm	10.0	1		12/06/12 15:08		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**876**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-104_20121127 **Lab ID: 60134390033** Collected: 11/28/12 09:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.68**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**135**	mg/L	20.0	1		12/06/12 09:43		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:43		
Alkalinity, Total as CaCO3	**135**	mg/L	20.0	1		12/06/12 09:43		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1170**	mg/L	5.0	1		12/05/12 14:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:32		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:59	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.2**	mg/L	1.0	1		12/05/12 01:46	16887-00-6	
Sulfate	**705**	mg/L	50.0	50		12/04/12 12:52	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:53		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0054**	mg/L	0.0050	1		12/07/12 15:08	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 21:37	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-204_20121127 **Lab ID: 60134390034** Collected: 11/27/12 11:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**219000**	ug/L	500	5	12/05/12 16:15	12/11/12 12:59	7440-70-2	
Magnesium, Dissolved	**20800**	ug/L	250	5	12/05/12 16:15	12/11/12 12:59	7439-95-4	
Potassium, Dissolved	**2180**	ug/L	1000	2	12/05/12 16:15	12/11/12 14:47	7440-09-7	
Sodium, Dissolved	**25100**	ug/L	2500	5	12/05/12 16:15	12/11/12 12:59	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**8600**	ug/L	4.0	1	12/08/12 10:55	12/26/12 17:14	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7440-36-0	
Arsenic	**3.3**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7440-38-2	
Barium	**99.7**	ug/L	0.30	1	12/08/12 10:55	12/26/12 17:14	7440-39-3	
Beryllium	**0.51**	ug/L	0.20	1	12/08/12 10:55	12/26/12 17:14	7440-41-7	
Cadmium	**1.3**	ug/L	0.080	1	12/08/12 10:55	12/26/12 17:14	7440-43-9	
Calcium	**234000**	ug/L	400	20	12/08/12 10:55	12/26/12 17:18	7440-70-2	
Chromium	**15.6**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7440-47-3	
Cobalt	**5.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7440-48-4	
Copper	**14.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7440-50-8	
Iron	**11000**	ug/L	50.0	1	12/08/12 10:55	12/26/12 17:14	7439-89-6	
Lead	**31.8**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:14	7439-92-1	
Magnesium	**25500**	ug/L	100	20	12/08/12 10:55	12/26/12 17:18	7439-95-4	
Manganese	**1120**	ug/L	10.0	20	12/08/12 10:55	12/26/12 17:18	7439-96-5	
Molybdenum	**7.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7439-98-7	
Nickel	**11.7**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7440-02-0	
Potassium	**4130**	ug/L	20.0	1	12/08/12 10:55	12/26/12 17:14	7440-09-7	
Selenium	**0.64**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7782-49-2	
Silica	**42800**	ug/L	1070	20	12/08/12 10:55	12/26/12 17:18	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:14	7440-22-4	
Sodium	**24200**	ug/L	1000	20	12/08/12 10:55	12/26/12 17:18	7440-23-5	
Thallium	**0.15**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:14	7440-28-0	
Total Hardness by 2340B	**690000**	ug/L	1420	20	12/08/12 10:55	12/26/12 17:18		
Vanadium	**12.7**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:14	7440-62-2	
Zinc	**84.8**	ug/L	5.0	1	12/08/12 10:55	12/26/12 17:14	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**3220**	ug/L	4.0	1	12/10/12 09:33	12/13/12 05:05	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7440-36-0	
Arsenic, Dissolved	**1.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7440-38-2	
Barium, Dissolved	**63.2**	ug/L	0.30	1	12/10/12 09:33	12/13/12 05:05	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 05:05	7440-41-7	
Cadmium, Dissolved	**0.78**	ug/L	0.080	1	12/10/12 09:33	12/13/12 05:05	7440-43-9	
Calcium, Dissolved	**229000**	ug/L	400	20	12/10/12 09:33	12/13/12 05:09	7440-70-2	
Chromium, Dissolved	**6.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7440-47-3	
Cobalt, Dissolved	**2.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7440-48-4	
Copper, Dissolved	**6.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7440-50-8	
Iron, Dissolved	**4280**	ug/L	50.0	1	12/10/12 09:33	12/13/12 05:05	7439-89-6	
Lead, Dissolved	**12.0**	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:05	7439-92-1	
Magnesium, Dissolved	**21300**	ug/L	5.0	1	12/10/12 09:33	12/13/12 05:05	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-204_20121127 **Lab ID: 60134390034** Collected: 11/27/12 11:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**986**	ug/L	10.0	20	12/10/12 09:33	12/13/12 05:09	7439-96-5	
Molybdenum, Dissolved	**6.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7439-98-7	
Nickel, Dissolved	**6.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7440-02-0	
Potassium, Dissolved	**2600**	ug/L	20.0	1	12/10/12 09:33	12/13/12 05:05	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:05	7440-22-4	
Sodium, Dissolved	**24000**	ug/L	1000	20	12/10/12 09:33	12/13/12 05:09	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:05	7440-28-0	
Vanadium, Dissolved	**5.0**	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:05	7440-62-2	
Zinc, Dissolved	**38.9**	ug/L	5.0	1	12/10/12 09:33	12/13/12 05:05	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**1840**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:52	7429-90-5	
Antimony, Dissolved	**0.15J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-36-0	
Arsenic, Dissolved	**1.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-38-2	
Barium, Dissolved	**51.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-39-3	
Beryllium, Dissolved	**0.39J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:52	7440-41-7	
Cadmium, Dissolved	**1.3**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:52	7440-43-9	
Chromium, Dissolved	**5.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-47-3	
Cobalt, Dissolved	**3.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-48-4	
Copper, Dissolved	**7.6**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-50-8	
Iron, Dissolved	**3840**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:52	7439-89-6	
Lead, Dissolved	**29.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7439-92-1	
Manganese, Dissolved	**1110**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7439-96-5	
Molybdenum, Dissolved	**4.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7439-98-7	
Nickel, Dissolved	**5.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-02-0	
Selenium, Dissolved	**0.48J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:52	7440-22-4	
Thallium, Dissolved	**0.056J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-28-0	
Vanadium, Dissolved	**3.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:52	7440-62-2	
Zinc, Dissolved	**47.1**	ug/L	10.0	1	12/05/12 09:00	12/06/12 19:52	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:07	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 15:00	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 14:57	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1290**	umhos/cm	10.0	1		12/06/12 15:09		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**827**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: MW-204_20121127 **Lab ID: 60134390034** Collected: 11/27/12 11:05 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.64**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**127**	mg/L	20.0	1		12/06/12 09:47		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:47		
Alkalinity, Total as CaCO3	**127**	mg/L	20.0	1		12/06/12 09:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1000**	mg/L	5.0	1		12/03/12 16:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**346**	mg/L	5.0	1		12/04/12 09:16		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:54	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/05/12 02:02	16887-00-6	
Sulfate	**615**	mg/L	50.0	50		12/04/12 13:42	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:54		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:08	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 21:51	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: CHV-101_20121127 **Lab ID: 60134390035** Collected: 11/27/12 11:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**192000**	ug/L	500	5	12/05/12 16:15	12/11/12 13:02	7440-70-2	
Magnesium, Dissolved	**24400**	ug/L	250	5	12/05/12 16:15	12/11/12 13:02	7439-95-4	
Potassium, Dissolved	**7480**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:02	7440-09-7	
Sodium, Dissolved	**30500**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:02	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**3210**	ug/L	4.0	1	12/08/12 10:55	12/26/12 17:23	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7440-36-0	
Arsenic	**3.3**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7440-38-2	
Barium	**120**	ug/L	0.30	1	12/08/12 10:55	12/26/12 17:23	7440-39-3	
Beryllium	**0.24**	ug/L	0.20	1	12/08/12 10:55	12/26/12 17:23	7440-41-7	
Cadmium	**0.36**	ug/L	0.080	1	12/08/12 10:55	12/26/12 17:23	7440-43-9	
Calcium	**208000**	ug/L	400	20	12/08/12 10:55	12/26/12 17:27	7440-70-2	
Chromium	**6.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7440-47-3	
Cobalt	**4.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7440-48-4	
Copper	**9.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7440-50-8	
Iron	**4760**	ug/L	50.0	1	12/08/12 10:55	12/26/12 17:23	7439-89-6	
Lead	**17.4**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:23	7439-92-1	
Magnesium	**26300**	ug/L	100	20	12/08/12 10:55	12/26/12 17:27	7439-95-4	
Manganese	**5470**	ug/L	10.0	20	12/08/12 10:55	12/26/12 17:27	7439-96-5	
Molybdenum	**20.7**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7439-98-7	
Nickel	**7.3**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7440-02-0	
Potassium	**9960**	ug/L	20.0	1	12/08/12 10:55	12/26/12 17:23	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7782-49-2	
Silica	**23500**	ug/L	1070	20	12/08/12 10:55	12/26/12 17:27	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:23	7440-22-4	
Sodium	**30100**	ug/L	1000	20	12/08/12 10:55	12/26/12 17:27	7440-23-5	
Thallium	**0.13**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:23	7440-28-0	
Total Hardness by 2340B	**628000**	ug/L	1420	20	12/08/12 10:55	12/26/12 17:27		
Vanadium	**5.9**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:23	7440-62-2	
Zinc	**70.1**	ug/L	5.0	1	12/08/12 10:55	12/26/12 17:23	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**52.3**	ug/L	4.0	1	12/10/12 09:33	12/13/12 05:24	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7440-38-2	
Barium, Dissolved	**48.9**	ug/L	0.30	1	12/10/12 09:33	12/13/12 05:24	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 05:24	7440-41-7	
Cadmium, Dissolved	**0.10**	ug/L	0.080	1	12/10/12 09:33	12/13/12 05:24	7440-43-9	
Calcium, Dissolved	**213000**	ug/L	400	20	12/10/12 09:33	12/13/12 05:28	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7440-47-3	
Cobalt, Dissolved	**2.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7440-48-4	
Copper, Dissolved	**1.3**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7440-50-8	
Iron, Dissolved	**81.9**	ug/L	50.0	1	12/10/12 09:33	12/13/12 05:24	7439-89-6	
Lead, Dissolved	**0.48**	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:24	7439-92-1	
Magnesium, Dissolved	**25900**	ug/L	100	20	12/10/12 09:33	12/13/12 05:28	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: CHV-101_20121127 **Lab ID: 60134390035** Collected: 11/27/12 11:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**5570**	ug/L	10.0	20	12/10/12 09:33	12/13/12 05:28	7439-96-5	
Molybdenum, Dissolved	**18.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7439-98-7	
Nickel, Dissolved	**5.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7440-02-0	
Potassium, Dissolved	**8180**	ug/L	20.0	1	12/10/12 09:33	12/13/12 05:24	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:24	7440-22-4	
Sodium, Dissolved	**31500**	ug/L	1000	20	12/10/12 09:33	12/13/12 05:28	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:24	7440-28-0	
Vanadium, Dissolved	**0.17**	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:24	7440-62-2	
Zinc, Dissolved	**21.3**	ug/L	5.0	1	12/10/12 09:33	12/13/12 05:24	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**877**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:57	7429-90-5	
Antimony, Dissolved	**0.18J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-36-0	
Arsenic, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-38-2	
Barium, Dissolved	**54.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-39-3	
Beryllium, Dissolved	**0.18J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:57	7440-41-7	
Cadmium, Dissolved	**0.33J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:57	7440-43-9	
Chromium, Dissolved	**3.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-47-3	
Cobalt, Dissolved	**3.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-48-4	
Copper, Dissolved	**4.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-50-8	
Iron, Dissolved	**1560**	ug/L	50.0	1	12/05/12 09:00	12/06/12 19:57	7439-89-6	
Lead, Dissolved	**16.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7439-92-1	
Manganese, Dissolved	**5940**	ug/L	100	100	12/05/12 09:00	12/07/12 14:35	7439-96-5	
Molybdenum, Dissolved	**17.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7439-98-7	
Nickel, Dissolved	**4.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 19:57	7440-22-4	
Thallium, Dissolved	**0.085J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-28-0	
Vanadium, Dissolved	**1.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 19:57	7440-62-2	
Zinc, Dissolved	**44.8**	ug/L	10.0	1	12/05/12 09:00	12/06/12 19:57	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:14	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 13:58	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 15:02	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1190**	umhos/cm	10.0	1		12/06/12 15:10		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**762**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: CHV-101_20121127 **Lab ID: 60134390035** Collected: 11/27/12 11:10 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.59**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**141**	mg/L	20.0	1		12/06/12 09:51		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:51		
Alkalinity, Total as CaCO3	**141**	mg/L	20.0	1		12/06/12 09:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**955**	mg/L	5.0	1		12/03/12 16:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**194**	mg/L	5.0	1		12/04/12 09:17		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:55	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**7.2**	mg/L	1.0	1		12/05/12 03:09	16887-00-6	
Sulfate	**560**	mg/L	50.0	50		12/04/12 13:59	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:55		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:09	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**3.8**	mg/L	1.0	1		12/06/12 22:06	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: P13-102_20121127 **Lab ID: 60134390036** Collected: 11/27/12 15:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**302000**	ug/L	500	5	12/05/12 16:15	12/11/12 13:06	7440-70-2	
Magnesium, Dissolved	**44200**	ug/L	250	5	12/05/12 16:15	12/11/12 13:06	7439-95-4	
Potassium, Dissolved	**5510**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:06	7440-09-7	
Sodium, Dissolved	**37200**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:06	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**111**	ug/L	4.0	1	12/08/12 10:55	12/26/12 17:32	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7440-38-2	
Barium	**30.1**	ug/L	0.30	1	12/08/12 10:55	12/26/12 17:32	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:55	12/26/12 17:32	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/08/12 10:55	12/26/12 17:32	7440-43-9	
Calcium	**354000**	ug/L	400	20	12/08/12 10:55	12/26/12 17:36	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7440-47-3	
Cobalt	**13.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7440-48-4	
Copper	**1.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7440-50-8	
Iron	**657**	ug/L	50.0	1	12/08/12 10:55	12/26/12 17:32	7439-89-6	
Lead	**2.3**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:32	7439-92-1	
Magnesium	**47900**	ug/L	100	20	12/08/12 10:55	12/26/12 17:36	7439-95-4	
Manganese	**17300**	ug/L	50.0	100	12/08/12 10:55	12/27/12 10:40	7439-96-5	
Molybdenum	**8.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7439-98-7	
Nickel	**5.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7440-02-0	
Potassium	**7150**	ug/L	20.0	1	12/08/12 10:55	12/26/12 17:32	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7782-49-2	
Silica	**17600**	ug/L	1070	20	12/08/12 10:55	12/26/12 17:36	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:32	7440-22-4	
Sodium	**38500**	ug/L	1000	20	12/08/12 10:55	12/26/12 17:36	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:32	7440-28-0	
Total Hardness by 2340B	**1080000**	ug/L	1420	20	12/08/12 10:55	12/26/12 17:36		
Vanadium	**0.23**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:32	7440-62-2	
Zinc	**28.7**	ug/L	5.0	1	12/08/12 10:55	12/26/12 17:32	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**28.0**	ug/L	4.0	1	12/10/12 09:33	12/13/12 05:32	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7440-38-2	
Barium, Dissolved	**27.5**	ug/L	0.30	1	12/10/12 09:33	12/13/12 05:32	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 05:32	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:33	12/13/12 05:32	7440-43-9	
Calcium, Dissolved	**355000**	ug/L	400	20	12/10/12 09:33	12/13/12 05:37	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7440-47-3	
Cobalt, Dissolved	**12.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7440-48-4	
Copper, Dissolved	**0.65**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7440-50-8	
Iron, Dissolved	**428**	ug/L	50.0	1	12/10/12 09:33	12/13/12 05:32	7439-89-6	
Lead, Dissolved	**0.39**	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:32	7439-92-1	
Magnesium, Dissolved	**49200**	ug/L	100	20	12/10/12 09:33	12/13/12 05:37	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: P13-102_20121127 **Lab ID: 60134390036** Collected: 11/27/12 15:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**16200**	ug/L	25.0	50	12/10/12 09:33	12/13/12 18:35	7439-96-5	
Molybdenum, Dissolved	**7.7**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7439-98-7	
Nickel, Dissolved	**5.2**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7440-02-0	
Potassium, Dissolved	**6220**	ug/L	20.0	1	12/10/12 09:33	12/13/12 05:32	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:32	7440-22-4	
Sodium, Dissolved	**39100**	ug/L	1000	20	12/10/12 09:33	12/13/12 05:37	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:32	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:32	7440-62-2	
Zinc, Dissolved	**24.0**	ug/L	5.0	1	12/10/12 09:33	12/13/12 05:32	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**50.3**	ug/L	50.0	1	12/05/12 09:00	12/06/12 20:01	7429-90-5	
Antimony, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-36-0	
Arsenic, Dissolved	**0.45J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-38-2	
Barium, Dissolved	**26.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-39-3	
Beryllium, Dissolved	**0.085J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:01	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:01	7440-43-9	
Chromium, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-47-3	
Cobalt, Dissolved	**10.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-48-4	
Copper, Dissolved	**0.69J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-50-8	
Iron, Dissolved	**537**	ug/L	50.0	1	12/05/12 09:00	12/06/12 20:01	7439-89-6	
Lead, Dissolved	**2.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7439-92-1	
Manganese, Dissolved	**16000**	ug/L	100	100	12/05/12 09:00	12/07/12 14:38	7439-96-5	
Molybdenum, Dissolved	**8.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7439-98-7	
Nickel, Dissolved	**3.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:01	7440-22-4	
Thallium, Dissolved	**0.063J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:01	7440-62-2	
Zinc, Dissolved	**22.7**	ug/L	10.0	1	12/05/12 09:00	12/06/12 20:01	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:16	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:00	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 15:11	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1890**	umhos/cm	10.0	1		12/06/12 15:11		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1210**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: P13-102_20121127 **Lab ID: 60134390036** Collected: 11/27/12 15:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.96**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**155**	mg/L	20.0	1		12/06/12 09:57		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 09:57		
Alkalinity, Total as CaCO3	**155**	mg/L	20.0	1		12/06/12 09:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1740**	mg/L	5.0	1		12/04/12 15:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**5.0**	mg/L	5.0	1		12/04/12 09:17		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:55	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**7.2**	mg/L	1.0	1		12/05/12 03:26	16887-00-6	
Sulfate	**1120**	mg/L	100	100		12/05/12 03:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 15:59		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:10	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 22:20	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: P13-103_20121127 **Lab ID: 60134390037** Collected: 11/28/12 15:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**259000**	ug/L	500	5	12/05/12 16:15	12/11/12 13:09	7440-70-2	
Magnesium, Dissolved	**29700**	ug/L	250	5	12/05/12 16:15	12/11/12 13:09	7439-95-4	
Potassium, Dissolved	**3870**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:09	7440-09-7	
Sodium, Dissolved	**13000**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:09	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**3150**	ug/L	4.0	1	12/08/12 10:55	12/26/12 18:00	7429-90-5	
Antimony	**0.76**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7440-36-0	
Arsenic	**91.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7440-38-2	
Barium	**71.6**	ug/L	0.30	1	12/08/12 10:55	12/26/12 18:00	7440-39-3	
Beryllium	**0.29**	ug/L	0.20	1	12/08/12 10:55	12/26/12 18:00	7440-41-7	
Cadmium	**2.4**	ug/L	0.080	1	12/08/12 10:55	12/26/12 18:00	7440-43-9	
Calcium	**308000**	ug/L	400	20	12/08/12 10:55	12/26/12 18:06	7440-70-2	
Chromium	**5.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7440-47-3	
Cobalt	**3.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7440-48-4	
Copper	**134**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7440-50-8	
Iron	**41600**	ug/L	1000	20	12/08/12 10:55	12/26/12 18:06	7439-89-6	
Lead	**594**	ug/L	2.0	20	12/08/12 10:55	12/26/12 18:06	7439-92-1	
Magnesium	**33600**	ug/L	100	20	12/08/12 10:55	12/26/12 18:06	7439-95-4	
Manganese	**1780**	ug/L	10.0	20	12/08/12 10:55	12/26/12 18:06	7439-96-5	
Molybdenum	**12.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7439-98-7	
Nickel	**4.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7440-02-0	
Potassium	**5970**	ug/L	20.0	1	12/08/12 10:55	12/26/12 18:00	7440-09-7	
Selenium	**1.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7782-49-2	
Silica	**45800**	ug/L	1070	20	12/08/12 10:55	12/26/12 18:06	7631-86-9	
Silver	**3.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:00	7440-22-4	
Sodium	**14200**	ug/L	50.0	1	12/08/12 10:55	12/26/12 18:00	7440-23-5	
Thallium	**0.17**	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:00	7440-28-0	
Total Hardness by 2340B	**907000**	ug/L	1420	20	12/08/12 10:55	12/26/12 18:06		
Vanadium	**4.4**	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:00	7440-62-2	
Zinc	**384**	ug/L	5.0	1	12/08/12 10:55	12/26/12 18:00	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/10/12 09:33	12/13/12 05:41	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7440-36-0	
Arsenic, Dissolved	**62.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7440-38-2	
Barium, Dissolved	**25.2**	ug/L	0.30	1	12/10/12 09:33	12/13/12 05:41	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 05:41	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:33	12/13/12 05:41	7440-43-9	
Calcium, Dissolved	**195000**	ug/L	400	20	12/10/12 09:33	12/13/12 05:45	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7440-47-3	
Cobalt, Dissolved	**1.2**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7440-48-4	
Copper, Dissolved	**0.80**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7440-50-8	
Iron, Dissolved	**14300**	ug/L	50.0	1	12/10/12 09:33	12/13/12 05:41	7439-89-6	
Lead, Dissolved	**0.20**	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:41	7439-92-1	
Magnesium, Dissolved	**21000**	ug/L	100	20	12/10/12 09:33	12/13/12 05:45	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: P13-103_20121127 **Lab ID: 60134390037** Collected: 11/28/12 15:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1070**	ug/L	10.0	20	12/10/12 09:33	12/13/12 05:45	7439-96-5	
Molybdenum, Dissolved	**10.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7439-98-7	
Nickel, Dissolved	**1.1**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7440-02-0	
Potassium, Dissolved	**4550**	ug/L	20.0	1	12/10/12 09:33	12/13/12 05:41	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:41	7440-22-4	
Sodium, Dissolved	**13000**	ug/L	50.0	1	12/10/12 09:33	12/13/12 05:41	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:41	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:41	7440-62-2	
Zinc, Dissolved	**50.6**	ug/L	5.0	1	12/10/12 09:33	12/13/12 05:41	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**945**	ug/L	50.0	1	12/05/12 09:00	12/06/12 20:05	7429-90-5	
Antimony, Dissolved	**0.32J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-36-0	
Arsenic, Dissolved	**74.2**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-38-2	
Barium, Dissolved	**30.9**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-39-3	
Beryllium, Dissolved	**0.23J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:05	7440-41-7	
Cadmium, Dissolved	**1.9**	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:05	7440-43-9	
Chromium, Dissolved	**3.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-47-3	
Cobalt, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-48-4	
Copper, Dissolved	**77.0**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-50-8	
Iron, Dissolved	**23300**	ug/L	50.0	1	12/05/12 09:00	12/06/12 20:05	7439-89-6	
Lead, Dissolved	**724**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7439-92-1	
Manganese, Dissolved	**1630**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7439-96-5	
Molybdenum, Dissolved	**9.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7439-98-7	
Nickel, Dissolved	**2.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-02-0	
Selenium, Dissolved	**0.50J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7782-49-2	
Silver, Dissolved	**0.23J**	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:05	7440-22-4	
Thallium, Dissolved	**0.086J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-28-0	
Vanadium, Dissolved	**1.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:05	7440-62-2	
Zinc, Dissolved	**301**	ug/L	10.0	1	12/05/12 09:00	12/06/12 20:05	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:18	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:02	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 15:13	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1530**	umhos/cm	10.0	1		12/06/12 15:12		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**979**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: P13-103_20121127 **Lab ID: 60134390037** Collected: 11/28/12 15:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.77**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**66.4**	mg/L	20.0	1		12/06/12 10:11		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:11		
Alkalinity, Total as CaCO3	**66.4**	mg/L	20.0	1		12/06/12 10:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1320**	mg/L	5.0	1		12/05/12 14:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**518**	mg/L	5.0	1		12/04/12 09:33		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:59	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.3**	mg/L	1.0	1		12/05/12 03:59	16887-00-6	
Sulfate	**859**	mg/L	50.0	50		12/04/12 14:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:00		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0053**	mg/L	0.0050	1		12/07/12 15:12	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 22:34	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: AT-2_20121127 **Lab ID: 60134390038** Collected: 11/27/12 12:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**172000**	ug/L	500	5	12/05/12 16:15	12/11/12 13:13	7440-70-2	
Magnesium, Dissolved	**15300**	ug/L	250	5	12/05/12 16:15	12/11/12 13:13	7439-95-4	
Potassium, Dissolved	**4200**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:13	7440-09-7	
Sodium, Dissolved	**9320**	ug/L	2500	5	12/05/12 16:15	12/11/12 13:13	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**20600**	ug/L	4.0	1	12/08/12 10:55	12/26/12 18:10	7429-90-5	
Antimony	**1.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7440-36-0	
Arsenic	**17.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7440-38-2	
Barium	**216**	ug/L	0.30	1	12/08/12 10:55	12/26/12 18:10	7440-39-3	
Beryllium	**2.3**	ug/L	0.20	1	12/08/12 10:55	12/26/12 18:10	7440-41-7	
Cadmium	**5.4**	ug/L	0.080	1	12/08/12 10:55	12/26/12 18:10	7440-43-9	
Calcium	**200000**	ug/L	400	20	12/08/12 10:55	12/26/12 18:15	7440-70-2	
Chromium	**31.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7440-47-3	
Cobalt	**17.2**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7440-48-4	
Copper	**341**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7440-50-8	
Iron	**98700**	ug/L	1000	20	12/08/12 10:55	12/26/12 18:15	7439-89-6	
Lead	**232**	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:10	7439-92-1	
Magnesium	**29600**	ug/L	100	20	12/08/12 10:55	12/26/12 18:15	7439-95-4	
Manganese	**3260**	ug/L	10.0	20	12/08/12 10:55	12/26/12 18:15	7439-96-5	
Molybdenum	**27.8**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7439-98-7	
Nickel	**32.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7440-02-0	
Potassium	**8420**	ug/L	20.0	1	12/08/12 10:55	12/26/12 18:10	7440-09-7	
Selenium	**2.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7782-49-2	
Silica	**70200**	ug/L	1070	20	12/08/12 10:55	12/26/12 18:15	7631-86-9	
Silver	**0.82**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:10	7440-22-4	
Sodium	**10000**	ug/L	50.0	1	12/08/12 10:55	12/26/12 18:10	7440-23-5	
Thallium	**0.35**	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:10	7440-28-0	
Total Hardness by 2340B	**621000**	ug/L	1420	20	12/08/12 10:55	12/26/12 18:15		
Vanadium	**30.0**	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:10	7440-62-2	
Zinc	**1510**	ug/L	100	20	12/08/12 10:55	12/26/12 18:15	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**1870**	ug/L	4.0	1	12/10/12 09:33	12/13/12 18:39	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7440-36-0	
Arsenic, Dissolved	**1.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7440-38-2	
Barium, Dissolved	**118**	ug/L	0.30	1	12/10/12 09:33	12/13/12 18:39	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 18:39	7440-41-7	
Cadmium, Dissolved	**0.51**	ug/L	0.080	1	12/10/12 09:33	12/13/12 18:39	7440-43-9	
Calcium, Dissolved	**166000**	ug/L	400	20	12/10/12 09:33	12/13/12 18:44	7440-70-2	
Chromium, Dissolved	**2.9**	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7440-47-3	
Cobalt, Dissolved	**3.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7440-48-4	
Copper, Dissolved	**27.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7440-50-8	
Iron, Dissolved	**8310**	ug/L	50.0	1	12/10/12 09:33	12/13/12 18:39	7439-89-6	
Lead, Dissolved	**17.0**	ug/L	0.10	1	12/10/12 09:33	12/13/12 18:39	7439-92-1	
Magnesium, Dissolved	**15800**	ug/L	5.0	1	12/10/12 09:33	12/13/12 18:39	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: AT-2_20121127 **Lab ID: 60134390038** Collected: 11/27/12 12:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1450**	ug/L	10.0	20	12/10/12 09:33	12/13/12 18:44	7439-96-5	
Molybdenum, Dissolved	**5.5**	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7439-98-7	
Nickel, Dissolved	**4.7**	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7440-02-0	
Potassium, Dissolved	**5140**	ug/L	20.0	1	12/10/12 09:33	12/13/12 18:39	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 18:39	7440-22-4	
Sodium, Dissolved	**10200**	ug/L	50.0	1	12/10/12 09:33	12/13/12 18:39	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 18:39	7440-28-0	
Vanadium, Dissolved	**2.7**	ug/L	0.10	1	12/10/12 09:33	12/13/12 18:39	7440-62-2	
Zinc, Dissolved	**140**	ug/L	5.0	1	12/10/12 09:33	12/13/12 18:39	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**2640**	ug/L	50.0	1	12/05/12 09:00	12/06/12 20:09	7429-90-5	
Antimony, Dissolved	**0.19J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-36-0	
Arsenic, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-38-2	
Barium, Dissolved	**133**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-39-3	
Beryllium, Dissolved	**0.89**	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:09	7440-41-7	
Cadmium, Dissolved	**3.3**	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:09	7440-43-9	
Chromium, Dissolved	**4.7**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-47-3	
Cobalt, Dissolved	**6.8**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-48-4	
Copper, Dissolved	**136**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-50-8	
Iron, Dissolved	**25700**	ug/L	50.0	1	12/05/12 09:00	12/06/12 20:09	7439-89-6	
Lead, Dissolved	**138**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7439-92-1	
Manganese, Dissolved	**2310**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7439-96-5	
Molybdenum, Dissolved	**2.1**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7439-98-7	
Nickel, Dissolved	**9.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-02-0	
Selenium, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/05/12 09:00	12/06/12 20:09	7440-22-4	
Thallium, Dissolved	**0.047J**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-28-0	
Vanadium, Dissolved	**3.4**	ug/L	1.0	1	12/05/12 09:00	12/06/12 20:09	7440-62-2	
Zinc, Dissolved	**637**	ug/L	10.0	1	12/05/12 09:00	12/06/12 20:09	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:20	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:04	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 15:15	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**983**	umhos/cm	10.0	1		12/06/12 15:13		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**629**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: AT-2_20121127 **Lab ID: 60134390038** Collected: 11/27/12 12:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.48**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**23.5**	mg/L	20.0	1		12/06/12 10:19		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:19		
Alkalinity, Total as CaCO3	**23.5**	mg/L	20.0	1		12/06/12 10:19		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**776**	mg/L	5.0	1		12/04/12 15:01		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**680**	mg/L	5.0	1		12/04/12 09:18		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:55	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.6**	mg/L	1.0	1		12/05/12 04:16	16887-00-6	
Sulfate	**544**	mg/L	50.0	50		12/04/12 14:49	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:01		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:13	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 22:48	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: POND15_20121127 **Lab ID: 60134390039** Collected: 11/27/12 11:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**246000**	ug/L	500	5	12/05/12 16:15	12/11/12 15:57	7440-70-2	
Magnesium, Dissolved	**20500**	ug/L	250	5	12/05/12 16:15	12/11/12 15:57	7439-95-4	
Potassium, Dissolved	**12500**	ug/L	2500	5	12/05/12 16:15	12/11/12 15:57	7440-09-7	
Sodium, Dissolved	**11800**	ug/L	2500	5	12/05/12 16:15	12/11/12 15:57	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**434**	ug/L	4.0	1	12/08/12 10:55	12/26/12 18:20	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7440-36-0	
Arsenic	**0.96**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7440-38-2	
Barium	**20.7**	ug/L	0.30	1	12/08/12 10:55	12/26/12 18:20	7440-39-3	
Beryllium	**0.64**	ug/L	0.20	1	12/08/12 10:55	12/26/12 18:20	7440-41-7	
Cadmium	**15.6**	ug/L	0.080	1	12/08/12 10:55	12/26/12 18:20	7440-43-9	
Calcium	**238000**	ug/L	400	20	12/08/12 10:55	12/26/12 18:25	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7440-47-3	
Cobalt	**2.9**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7440-48-4	
Copper	**93.0**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7440-50-8	
Iron	**4770**	ug/L	50.0	1	12/08/12 10:55	12/26/12 18:20	7439-89-6	
Lead	**9.3**	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:20	7439-92-1	
Magnesium	**20000**	ug/L	5.0	1	12/08/12 10:55	12/26/12 18:20	7439-95-4	
Manganese	**1650**	ug/L	10.0	20	12/08/12 10:55	12/26/12 18:25	7439-96-5	
Molybdenum	**21.1**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7439-98-7	
Nickel	**4.4**	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7440-02-0	
Potassium	**13700**	ug/L	20.0	1	12/08/12 10:55	12/26/12 18:20	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7782-49-2	
Silica	**15900**	ug/L	1070	20	12/08/12 10:55	12/26/12 18:25	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 18:20	7440-22-4	
Sodium	**11500**	ug/L	50.0	1	12/08/12 10:55	12/26/12 18:20	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:20	7440-28-0	
Total Hardness by 2340B	**678000**	ug/L	1420	20	12/08/12 10:55	12/26/12 18:25		
Vanadium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 18:20	7440-62-2	
Zinc	**2880**	ug/L	100	20	12/08/12 10:55	12/26/12 18:25	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/10/12 09:33	12/13/12 05:58	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7440-38-2	
Barium, Dissolved	**19.5**	ug/L	0.30	1	12/10/12 09:33	12/13/12 05:58	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 05:58	7440-41-7	
Cadmium, Dissolved	**11.9**	ug/L	0.080	1	12/10/12 09:33	12/13/12 05:58	7440-43-9	
Calcium, Dissolved	**243000**	ug/L	400	20	12/10/12 09:33	12/13/12 06:03	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7440-47-3	
Cobalt, Dissolved	**2.5**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7440-48-4	
Copper, Dissolved	**2.6**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:33	12/13/12 05:58	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:58	7439-92-1	
Magnesium, Dissolved	**18800**	ug/L	5.0	1	12/10/12 09:33	12/13/12 05:58	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: POND15_20121127 **Lab ID: 60134390039** Collected: 11/27/12 11:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1700**	ug/L	10.0	20	12/10/12 09:33	12/13/12 06:03	7439-96-5	
Molybdenum, Dissolved	**17.4**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7439-98-7	
Nickel, Dissolved	**4.0**	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7440-02-0	
Potassium, Dissolved	**12000**	ug/L	20.0	1	12/10/12 09:33	12/13/12 05:58	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 05:58	7440-22-4	
Sodium, Dissolved	**10900**	ug/L	50.0	1	12/10/12 09:33	12/13/12 05:58	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:58	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 05:58	7440-62-2	
Zinc, Dissolved	**2230**	ug/L	100	20	12/10/12 09:33	12/13/12 06:03	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**382**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:16	7429-90-5	
Antimony, Dissolved	**0.29J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-36-0	B
Arsenic, Dissolved	**0.73J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-38-2	
Barium, Dissolved	**19.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-39-3	
Beryllium, Dissolved	**0.41J**	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:07	7440-41-7	
Cadmium, Dissolved	**13.4**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:16	7440-43-9	
Chromium, Dissolved	**0.80J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-47-3	
Cobalt, Dissolved	**2.3**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-48-4	
Copper, Dissolved	**76.4**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-50-8	
Iron, Dissolved	**4360**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:16	7439-89-6	
Lead, Dissolved	**9.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7439-92-1	
Manganese, Dissolved	**1690**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7439-96-5	M1
Molybdenum, Dissolved	**18.8**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7439-98-7	
Nickel, Dissolved	**3.8**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7782-49-2	
Silver, Dissolved	**0.18J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:16	7440-22-4	B
Thallium, Dissolved	**0.45J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:16	7440-62-2	
Zinc, Dissolved	**2490**	ug/L	10.0	1	12/05/12 00:00	12/10/12 13:16	7440-66-6	M1
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:23	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:06	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 15:17	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1200**	umhos/cm	10.0	1		12/06/12 15:14		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**770**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: POND15_20121127 **Lab ID: 60134390039** Collected: 11/27/12 11:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.60**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**104**	mg/L	20.0	1		12/06/12 10:23		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:23		
Alkalinity, Total as CaCO3	**104**	mg/L	20.0	1		12/06/12 10:23		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1040**	mg/L	5.0	1		12/04/12 15:01		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:18		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:56	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		12/05/12 14:25	16887-00-6	
Sulfate	**683**	mg/L	50.0	50		12/05/12 14:42	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:02		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:13	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/06/12 23:02	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-1 COMP_20121127 **Lab ID: 60134390040** Collected: 11/28/12 15:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**54600**	ug/L	500	5	12/05/12 16:15	12/11/12 16:00	7440-70-2	
Magnesium, Dissolved	**7940**	ug/L	250	5	12/05/12 16:15	12/11/12 16:00	7439-95-4	
Potassium, Dissolved	**734**	ug/L	500	1	12/05/12 16:15	12/11/12 17:29	7440-09-7	
Sodium, Dissolved	**3100**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:00	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**40.0**	ug/L	4.0	1	12/08/12 10:55	12/26/12 17:51	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7440-38-2	
Barium	**79.1**	ug/L	0.30	1	12/08/12 10:55	12/26/12 17:51	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/08/12 10:55	12/26/12 17:51	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/08/12 10:55	12/26/12 17:51	7440-43-9	
Calcium	**55400**	ug/L	100	5	12/08/12 10:55	12/26/12 17:56	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7440-48-4	
Copper	**0.54**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7440-50-8	
Iron	**88.6**	ug/L	50.0	1	12/08/12 10:55	12/26/12 17:51	7439-89-6	
Lead	**0.30**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:51	7439-92-1	
Magnesium	**7890**	ug/L	5.0	1	12/08/12 10:55	12/26/12 17:51	7439-95-4	
Manganese	**19.5**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7439-96-5	
Molybdenum	**0.98**	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7440-02-0	
Potassium	**784**	ug/L	20.0	1	12/08/12 10:55	12/26/12 17:51	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7782-49-2	
Silica	**6320**	ug/L	268	5	12/08/12 10:55	12/26/12 17:56	7631-86-9	
Silver	ND	ug/L	0.50	1	12/08/12 10:55	12/26/12 17:51	7440-22-4	
Sodium	**3000**	ug/L	50.0	1	12/08/12 10:55	12/26/12 17:51	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:51	7440-28-0	
Total Hardness by 2340B	**171000**	ug/L	355	5	12/08/12 10:55	12/26/12 17:56		
Vanadium	**0.15**	ug/L	0.10	1	12/08/12 10:55	12/26/12 17:51	7440-62-2	
Zinc	ND	ug/L	5.0	1	12/08/12 10:55	12/26/12 17:51	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**6.7**	ug/L	4.0	1	12/10/12 09:33	12/13/12 06:17	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7440-38-2	
Barium, Dissolved	**76.7**	ug/L	0.30	1	12/10/12 09:33	12/13/12 06:17	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/10/12 09:33	12/13/12 06:17	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/10/12 09:33	12/13/12 06:17	7440-43-9	
Calcium, Dissolved	**53400**	ug/L	400	20	12/10/12 09:33	12/13/12 06:22	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7440-48-4	
Copper, Dissolved	**0.70**	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/10/12 09:33	12/13/12 06:17	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 06:17	7439-92-1	
Magnesium, Dissolved	**7390**	ug/L	5.0	1	12/10/12 09:33	12/13/12 06:17	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-1 COMP_20121127 **Lab ID: 60134390040** Collected: 11/28/12 15:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**14.8**	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7439-96-5	
Molybdenum, Dissolved	**0.85**	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7439-98-7	
Nickel, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7440-02-0	
Potassium, Dissolved	**705**	ug/L	20.0	1	12/10/12 09:33	12/13/12 06:17	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/10/12 09:33	12/13/12 06:17	7440-22-4	
Sodium, Dissolved	**2860**	ug/L	50.0	1	12/10/12 09:33	12/13/12 06:17	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 06:17	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/10/12 09:33	12/13/12 06:17	7440-62-2	
Zinc, Dissolved	ND	ug/L	5.0	1	12/10/12 09:33	12/13/12 06:17	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**11.0J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:32	7429-90-5	
Antimony, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-36-0	B
Arsenic, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-38-2	
Barium, Dissolved	**74.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:12	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:32	7440-43-9	
Chromium, Dissolved	**0.69J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-50-8	
Iron, Dissolved	**54.4**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:32	7439-89-6	
Lead, Dissolved	**0.34J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7439-92-1	B
Manganese, Dissolved	**26.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7439-96-5	
Molybdenum, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7439-98-7	
Nickel, Dissolved	**0.60J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7782-49-2	
Silver, Dissolved	**0.16J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:32	7440-22-4	B
Thallium, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:32	7440-62-2	
Zinc, Dissolved	**4.5J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 13:32	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:29	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/11/12 07:31	12/12/12 14:08	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 12:00	12/07/12 15:20	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**337**	umhos/cm	10.0	1		12/06/12 15:15		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**215**	mg/L	6.0	1		12/07/12 14:09		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-1 COMP_20121127 **Lab ID: 60134390040** Collected: 11/28/12 15:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.16**	PSU	0.010	1		12/07/12 14:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**111**	mg/L	20.0	1		12/06/12 10:38		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:38		
Alkalinity, Total as CaCO3	**111**	mg/L	20.0	1		12/06/12 10:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**211**	mg/L	5.0	1		12/05/12 14:50		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:33		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:00	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/05/12 14:58	16887-00-6	
Sulfate	**63.3**	mg/L	5.0	5		12/06/12 06:24	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:03		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0056**	mg/L	0.0050	1		12/07/12 15:14	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 09:38	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-2 COMP_20121127 **Lab ID: 60134390041** Collected: 11/28/12 13:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**71400**	ug/L	500	5	12/05/12 16:15	12/11/12 16:04	7440-70-2	
Magnesium, Dissolved	**9650**	ug/L	250	5	12/05/12 16:15	12/11/12 16:04	7439-95-4	
Potassium, Dissolved	**1220**	ug/L	500	1	12/05/12 16:15	12/11/12 17:33	7440-09-7	
Sodium, Dissolved	**4040**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:04	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**30.9**	ug/L	4.0	1	12/11/12 09:23	12/21/12 04:57	7429-90-5	M6
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7440-38-2	
Barium	**69.9**	ug/L	0.30	1	12/11/12 09:23	12/21/12 04:57	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 04:57	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 04:57	7440-43-9	
Calcium	**75200**	ug/L	100	5	12/11/12 09:23	12/21/12 05:18	7440-70-2	M6
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7440-50-8	
Iron	**117**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:57	7439-89-6	
Lead	**0.11**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:57	7439-92-1	
Magnesium	**9860**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:57	7439-95-4	M6
Manganese	**207**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7439-96-5	
Molybdenum	**1.2**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7439-98-7	
Nickel	**0.56**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7440-02-0	
Potassium	**1210**	ug/L	20.0	1	12/11/12 09:23	12/21/12 04:57	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7782-49-2	
Silica	**8570**	ug/L	268	5	12/11/12 09:23	12/21/12 05:18	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:57	7440-22-4	
Sodium	**3990**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:57	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:57	7440-28-0	
Total Hardness by 2340B	**228000**	ug/L	355	5	12/11/12 09:23	12/21/12 05:18		
Vanadium	**0.13**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:57	7440-62-2	
Zinc	**7.3**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:57	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/11/12 09:11	12/13/12 19:17	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7440-38-2	
Barium, Dissolved	**69.7**	ug/L	0.30	1	12/11/12 09:11	12/13/12 19:17	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 19:17	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 19:17	7440-43-9	
Calcium, Dissolved	**74400**	ug/L	100	5	12/11/12 09:11	12/13/12 19:38	7440-70-2	M6
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7440-48-4	
Copper, Dissolved	**1.0**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/11/12 09:11	12/13/12 19:17	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 19:17	7439-92-1	
Magnesium, Dissolved	**9570**	ug/L	5.0	1	12/11/12 09:11	12/13/12 19:17	7439-95-4	M6

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-2 COMP_20121127 **Lab ID: 60134390041** Collected: 11/28/12 13:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**204**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7439-96-5	
Molybdenum, Dissolved	**1.2**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7439-98-7	
Nickel, Dissolved	**0.94**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7440-02-0	
Potassium, Dissolved	**1210**	ug/L	20.0	1	12/11/12 09:11	12/13/12 19:17	7440-09-7	
Selenium, Dissolved	**0.50**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:17	7440-22-4	
Sodium, Dissolved	**4180**	ug/L	50.0	1	12/11/12 09:11	12/13/12 19:17	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 19:17	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 19:17	7440-62-2	
Zinc, Dissolved	**7.7**	ug/L	5.0	1	12/11/12 09:11	12/13/12 19:17	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**8.5J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:36	7429-90-5	
Antimony, Dissolved	**0.10J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-36-0	B
Arsenic, Dissolved	**0.28J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-38-2	
Barium, Dissolved	**64.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:15	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:36	7440-43-9	
Chromium, Dissolved	**0.66J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-47-3	
Cobalt, Dissolved	**0.081J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-48-4	
Copper, Dissolved	**0.64J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-50-8	
Iron, Dissolved	**93.0**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:36	7439-89-6	
Lead, Dissolved	**0.79J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7439-92-1	B
Manganese, Dissolved	**197**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7439-96-5	
Molybdenum, Dissolved	**1.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7782-49-2	
Silver, Dissolved	**0.079J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:36	7440-22-4	B
Thallium, Dissolved	**0.35J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:36	7440-62-2	
Zinc, Dissolved	**7.9J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 13:36	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:31	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 09:43	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 14:58	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**453**	umhos/cm	10.0	1		12/06/12 15:20		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**290**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-2 COMP_20121127 **Lab ID: 60134390041** Collected: 11/28/12 13:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.22**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**126**	mg/L	20.0	1		12/06/12 10:43		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:43		
Alkalinity, Total as CaCO3	**126**	mg/L	20.0	1		12/06/12 10:43		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**281**	mg/L	5.0	1		12/05/12 14:51		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:33		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:01	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/05/12 15:32	16887-00-6	
Sulfate	**104**	mg/L	10.0	10		12/06/12 06:40	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:05		M1
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0058**	mg/L	0.0050	1		12/07/12 15:21	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 10:06	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMP_20121127 **Lab ID: 60134390042** Collected: 11/28/12 14:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**106000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:07	7440-70-2	M1
Magnesium, Dissolved	**13300**	ug/L	250	5	12/05/12 16:15	12/11/12 16:07	7439-95-4	
Potassium, Dissolved	**2930**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:07	7440-09-7	
Sodium, Dissolved	**6560**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:07	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**20.0**	ug/L	4.0	1	12/11/12 09:23	12/21/12 05:26	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7440-36-0	
Arsenic	**0.89**	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7440-38-2	
Barium	**67.8**	ug/L	0.30	1	12/11/12 09:23	12/21/12 05:26	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 05:26	7440-41-7	
Cadmium	**1.2**	ug/L	0.080	1	12/11/12 09:23	12/21/12 05:26	7440-43-9	
Calcium	**106000**	ug/L	400	20	12/11/12 09:23	12/21/12 05:30	7440-70-2	
Chromium	**0.55**	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7440-48-4	
Copper	**1.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7440-50-8	
Iron	**301**	ug/L	50.0	1	12/11/12 09:23	12/21/12 05:26	7439-89-6	
Lead	**0.24**	ug/L	0.10	1	12/11/12 09:23	12/21/12 05:26	7439-92-1	
Magnesium	**13500**	ug/L	5.0	1	12/11/12 09:23	12/21/12 05:26	7439-95-4	
Manganese	**425**	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7439-96-5	
Molybdenum	**2.9**	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7439-98-7	
Nickel	**0.66**	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7440-02-0	
Potassium	**3020**	ug/L	20.0	1	12/11/12 09:23	12/21/12 05:26	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7782-49-2	
Silica	**12000**	ug/L	1070	20	12/11/12 09:23	12/21/12 05:30	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 05:26	7440-22-4	
Sodium	**6480**	ug/L	50.0	1	12/11/12 09:23	12/21/12 05:26	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 05:26	7440-28-0	
Total Hardness by 2340B	**320000**	ug/L	1420	20	12/11/12 09:23	12/21/12 05:30		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 05:26	7440-62-2	
Zinc	**242**	ug/L	5.0	1	12/11/12 09:23	12/21/12 05:26	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**4.9**	ug/L	4.0	1	12/11/12 09:11	12/13/12 19:47	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7440-36-0	
Arsenic, Dissolved	**0.76**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7440-38-2	
Barium, Dissolved	**66.5**	ug/L	0.30	1	12/11/12 09:11	12/13/12 19:47	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 19:47	7440-41-7	
Cadmium, Dissolved	**1.2**	ug/L	0.080	1	12/11/12 09:11	12/13/12 19:47	7440-43-9	
Calcium, Dissolved	**107000**	ug/L	400	20	12/11/12 09:11	12/13/12 19:51	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7440-48-4	
Copper, Dissolved	**1.0**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7440-50-8	
Iron, Dissolved	**152**	ug/L	50.0	1	12/11/12 09:11	12/13/12 19:47	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 19:47	7439-92-1	
Magnesium, Dissolved	**12800**	ug/L	5.0	1	12/11/12 09:11	12/13/12 19:47	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMP_20121127 **Lab ID: 60134390042** Collected: 11/28/12 14:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**419**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7439-96-5	
Molybdenum, Dissolved	**2.8**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7439-98-7	
Nickel, Dissolved	**2.7**	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7440-02-0	
Potassium, Dissolved	**2930**	ug/L	20.0	1	12/11/12 09:11	12/13/12 19:47	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 19:47	7440-22-4	
Sodium, Dissolved	**6610**	ug/L	50.0	1	12/11/12 09:11	12/13/12 19:47	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 19:47	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 19:47	7440-62-2	
Zinc, Dissolved	**228**	ug/L	5.0	1	12/11/12 09:11	12/13/12 19:47	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**12.3J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:40	7429-90-5	
Antimony, Dissolved	**0.10J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-36-0	B
Arsenic, Dissolved	**0.82J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-38-2	
Barium, Dissolved	**60.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:17	7440-41-7	
Cadmium, Dissolved	**1.0**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:40	7440-43-9	
Chromium, Dissolved	**0.90J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-47-3	
Cobalt, Dissolved	**0.30J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-48-4	
Copper, Dissolved	**1.4**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-50-8	
Iron, Dissolved	**267**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:40	7439-89-6	
Lead, Dissolved	**0.43J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7439-92-1	B
Manganese, Dissolved	**404**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7439-96-5	
Molybdenum, Dissolved	**2.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7439-98-7	
Nickel, Dissolved	**0.85J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7782-49-2	
Silver, Dissolved	**0.069J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:40	7440-22-4	B
Thallium, Dissolved	**0.36J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:40	7440-62-2	
Zinc, Dissolved	**210**	ug/L	10.0	1	12/05/12 00:00	12/10/12 13:40	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:33	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 09:46	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:00	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**586**	umhos/cm	10.0	1		12/06/12 15:21		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**375**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMP_20121127 **Lab ID: 60134390042** Collected: 11/28/12 14:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.28**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**146**	mg/L	20.0	1		12/06/12 10:48		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:48		
Alkalinity, Total as CaCO3	**146**	mg/L	20.0	1		12/06/12 10:48		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**421**	mg/L	5.0	1		12/05/12 14:51		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:34		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:02	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.5**	mg/L	1.0	1		12/05/12 16:39	16887-00-6	
Sulfate	**182**	mg/L	10.0	10		12/05/12 16:55	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.12**	mg/L	0.10	1		12/11/12 16:07		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0060**	mg/L	0.0050	1		12/07/12 15:22	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 10:35	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4-SW COMP_20121127 **Lab ID: 60134390043** Collected: 11/28/12 16:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**102000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:21	7440-70-2	
Magnesium, Dissolved	**13100**	ug/L	250	5	12/05/12 16:15	12/11/12 16:21	7439-95-4	
Potassium, Dissolved	**2550**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:21	7440-09-7	
Sodium, Dissolved	**5860**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:21	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**19.0**	ug/L	4.0	1	12/11/12 09:23	12/21/12 02:13	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7440-36-0	
Arsenic	**0.54**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7440-38-2	
Barium	**68.5**	ug/L	0.30	1	12/11/12 09:23	12/21/12 02:13	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 02:13	7440-41-7	
Cadmium	**1.3**	ug/L	0.080	1	12/11/12 09:23	12/21/12 02:13	7440-43-9	
Calcium	**104000**	ug/L	400	20	12/11/12 09:23	12/21/12 02:18	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7440-48-4	
Copper	**1.1**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7440-50-8	
Iron	**155**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:13	7439-89-6	
Lead	**0.39**	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:13	7439-92-1	
Magnesium	**13200**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:13	7439-95-4	
Manganese	**371**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7439-96-5	
Molybdenum	**2.3**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7439-98-7	
Nickel	**0.62**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7440-02-0	
Potassium	**2570**	ug/L	20.0	1	12/11/12 09:23	12/21/12 02:13	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7782-49-2	
Silica	**11000**	ug/L	1070	20	12/11/12 09:23	12/21/12 02:18	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:13	7440-22-4	
Sodium	**5870**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:13	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:13	7440-28-0	
Total Hardness by 2340B	**314000**	ug/L	1420	20	12/11/12 09:23	12/21/12 02:18		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:13	7440-62-2	
Zinc	**258**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:13	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**9.4**	ug/L	4.0	1	12/11/12 09:11	12/13/12 20:06	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7440-38-2	
Barium, Dissolved	**67.7**	ug/L	0.30	1	12/11/12 09:11	12/13/12 20:06	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 20:06	7440-41-7	
Cadmium, Dissolved	**1.2**	ug/L	0.080	1	12/11/12 09:11	12/13/12 20:06	7440-43-9	
Calcium, Dissolved	**100000**	ug/L	400	20	12/11/12 09:11	12/13/12 20:11	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7440-48-4	
Copper, Dissolved	**1.4**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7440-50-8	
Iron, Dissolved	**53.2**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:06	7439-89-6	
Lead, Dissolved	**0.10**	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:06	7439-92-1	
Magnesium, Dissolved	**12400**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:06	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4-SW COMP_20121127 **Lab ID: 60134390043** Collected: 11/28/12 16:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**365**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7439-96-5	
Molybdenum, Dissolved	**2.3**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7439-98-7	
Nickel, Dissolved	**1.3**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7440-02-0	
Potassium, Dissolved	**2500**	ug/L	20.0	1	12/11/12 09:11	12/13/12 20:06	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:06	7440-22-4	
Sodium, Dissolved	**5900**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:06	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:06	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:06	7440-62-2	
Zinc, Dissolved	**245**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:06	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**12.7J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:44	7429-90-5	
Antimony, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-36-0	B
Arsenic, Dissolved	**0.42J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-38-2	
Barium, Dissolved	**62.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:18	7440-41-7	
Cadmium, Dissolved	**1.1**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:44	7440-43-9	
Chromium, Dissolved	**0.51J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-47-3	
Cobalt, Dissolved	**0.34J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-48-4	
Copper, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-50-8	
Iron, Dissolved	**134**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:44	7439-89-6	
Lead, Dissolved	**0.53J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7439-92-1	B
Manganese, Dissolved	**354**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7439-96-5	
Molybdenum, Dissolved	**2.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7439-98-7	
Nickel, Dissolved	**0.81J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7782-49-2	
Silver, Dissolved	**0.068J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:44	7440-22-4	B
Thallium, Dissolved	**0.35J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:44	7440-62-2	
Zinc, Dissolved	**233**	ug/L	10.0	1	12/05/12 00:00	12/10/12 13:44	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:35	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 09:58	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:03	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**593**	umhos/cm	10.0	1		12/06/12 15:21		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**380**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-4-SW COMP_20121127 **Lab ID: 60134390043** Collected: 11/28/12 16:20 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.29**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**152**	mg/L	20.0	1		12/06/12 10:52		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:52		
Alkalinity, Total as CaCO3	**152**	mg/L	20.0	1		12/06/12 10:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**405**	mg/L	5.0	1		12/05/12 14:51		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:34		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:02	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.6**	mg/L	1.0	1		12/05/12 17:12	16887-00-6	
Sulfate	**165**	mg/L	50.0	50		12/05/12 17:29	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:11		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:25	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 11:17	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 1_20121127 **Lab ID: 60134390044** Collected: 11/28/12 14:27 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**115000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:31	7440-70-2	
Magnesium, Dissolved	**15100**	ug/L	250	5	12/05/12 16:15	12/11/12 16:31	7439-95-4	
Potassium, Dissolved	**3660**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:31	7440-09-7	
Sodium, Dissolved	**7840**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:31	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**20.9**	ug/L	4.0	1	12/11/12 09:23	12/26/12 13:23	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7440-36-0	
Arsenic	**1.4**	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7440-38-2	
Barium	**65.8**	ug/L	0.30	1	12/11/12 09:23	12/26/12 13:23	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/26/12 13:23	7440-41-7	
Cadmium	**1.4**	ug/L	0.080	1	12/11/12 09:23	12/26/12 13:23	7440-43-9	
Calcium	**124000**	ug/L	200	10	12/11/12 09:23	12/26/12 13:28	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7440-48-4	
Copper	**1.8**	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7440-50-8	
Iron	**334**	ug/L	50.0	1	12/11/12 09:23	12/26/12 13:23	7439-89-6	
Lead	**0.21**	ug/L	0.10	1	12/11/12 09:23	12/26/12 13:23	7439-92-1	
Magnesium	**15100**	ug/L	5.0	1	12/11/12 09:23	12/26/12 13:23	7439-95-4	
Manganese	**475**	ug/L	5.0	10	12/11/12 09:23	12/26/12 13:28	7439-96-5	
Molybdenum	**3.1**	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7439-98-7	
Nickel	**0.65**	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7440-02-0	
Potassium	**3950**	ug/L	20.0	1	12/11/12 09:23	12/26/12 13:23	7440-09-7	
Selenium	**0.50**	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7782-49-2	
Silica	**13900**	ug/L	535	10	12/11/12 09:23	12/26/12 13:28	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/26/12 13:23	7440-22-4	
Sodium	**7780**	ug/L	50.0	1	12/11/12 09:23	12/26/12 13:23	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/26/12 13:23	7440-28-0	
Total Hardness by 2340B	**372000**	ug/L	710	10	12/11/12 09:23	12/26/12 13:28		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/26/12 13:23	7440-62-2	
Zinc	**286**	ug/L	5.0	1	12/11/12 09:23	12/26/12 13:23	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**8.0**	ug/L	4.0	1	12/11/12 09:11	12/13/12 20:15	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7440-36-0	
Arsenic, Dissolved	**1.2**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7440-38-2	
Barium, Dissolved	**63.6**	ug/L	0.30	1	12/11/12 09:11	12/13/12 20:15	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 20:15	7440-41-7	
Cadmium, Dissolved	**1.3**	ug/L	0.080	1	12/11/12 09:11	12/13/12 20:15	7440-43-9	
Calcium, Dissolved	**117000**	ug/L	400	20	12/11/12 09:11	12/13/12 20:20	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7440-48-4	
Copper, Dissolved	**1.3**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7440-50-8	
Iron, Dissolved	**218**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:15	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:15	7439-92-1	
Magnesium, Dissolved	**14200**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:15	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 1_20121127 **Lab ID: 60134390044** Collected: 11/28/12 14:27 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**442**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7439-96-5	
Molybdenum, Dissolved	**3.0**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7439-98-7	
Nickel, Dissolved	**1.4**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7440-02-0	
Potassium, Dissolved	**3500**	ug/L	20.0	1	12/11/12 09:11	12/13/12 20:15	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:15	7440-22-4	
Sodium, Dissolved	**7780**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:15	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:15	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:15	7440-62-2	
Zinc, Dissolved	**264**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:15	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**12.7J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:57	7429-90-5	
Antimony, Dissolved	**0.096J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-36-0	B
Arsenic, Dissolved	**1.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-38-2	
Barium, Dissolved	**60.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:23	7440-41-7	
Cadmium, Dissolved	**1.3**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:57	7440-43-9	
Chromium, Dissolved	**0.57J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-47-3	
Cobalt, Dissolved	**0.34J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-48-4	
Copper, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-50-8	
Iron, Dissolved	**289**	ug/L	50.0	1	12/05/12 00:00	12/10/12 13:57	7439-89-6	
Lead, Dissolved	**0.45J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7439-92-1	B
Manganese, Dissolved	**441**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7439-96-5	
Molybdenum, Dissolved	**3.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7439-98-7	
Nickel, Dissolved	**0.76J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7782-49-2	
Silver, Dissolved	**0.078J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 13:57	7440-22-4	B
Thallium, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 13:57	7440-62-2	
Zinc, Dissolved	**250**	ug/L	10.0	1	12/05/12 00:00	12/10/12 13:57	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:38	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:01	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:05	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**670**	umhos/cm	10.0	1		12/06/12 15:23		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 1_20121127 **Lab ID: 60134390044** Collected: 11/28/12 14:27 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**429**	mg/L	6.0	1		12/07/12 14:16		
Salinity (as seawater)	**0.33**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**163**	mg/L	20.0	1		12/06/12 10:57		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 10:57		
Alkalinity, Total as CaCO3	**163**	mg/L	20.0	1		12/06/12 10:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**471**	mg/L	5.0	1		12/05/12 14:51		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/05/12 10:18		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/05/12 17:45	16887-00-6	
Sulfate	**212**	mg/L	50.0	50		12/05/12 18:02	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.12**	mg/L	0.10	1		12/11/12 16:12		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:25	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 11:31	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 2_20121127 **Lab ID: 60134390045** Collected: 11/28/12 14:28 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**105000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:34	7440-70-2	
Magnesium, Dissolved	**13400**	ug/L	250	5	12/05/12 16:15	12/11/12 16:34	7439-95-4	
Potassium, Dissolved	**3100**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:34	7440-09-7	
Sodium, Dissolved	**6520**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:34	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**18.9**	ug/L	4.0	1	12/11/12 09:23	12/21/12 02:31	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7440-36-0	
Arsenic	**0.76**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7440-38-2	
Barium	**65.1**	ug/L	0.30	1	12/11/12 09:23	12/21/12 02:31	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 02:31	7440-41-7	
Cadmium	**1.3**	ug/L	0.080	1	12/11/12 09:23	12/21/12 02:31	7440-43-9	
Calcium	**113000**	ug/L	400	20	12/11/12 09:23	12/21/12 02:35	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7440-48-4	
Copper	**1.7**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7440-50-8	
Iron	**269**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:31	7439-89-6	
Lead	**0.20**	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:31	7439-92-1	
Magnesium	**13500**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:31	7439-95-4	
Manganese	**430**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7439-96-5	
Molybdenum	**3.0**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7439-98-7	
Nickel	**0.55**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7440-02-0	
Potassium	**3140**	ug/L	20.0	1	12/11/12 09:23	12/21/12 02:31	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7782-49-2	
Silica	**12700**	ug/L	1070	20	12/11/12 09:23	12/21/12 02:35	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:31	7440-22-4	
Sodium	**6520**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:31	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:31	7440-28-0	
Total Hardness by 2340B	**337000**	ug/L	1420	20	12/11/12 09:23	12/21/12 02:35		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:31	7440-62-2	
Zinc	**261**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:31	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**4.1**	ug/L	4.0	1	12/11/12 09:11	12/13/12 20:24	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7440-36-0	
Arsenic, Dissolved	**0.83**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7440-38-2	
Barium, Dissolved	**67.1**	ug/L	0.30	1	12/11/12 09:11	12/13/12 20:24	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 20:24	7440-41-7	
Cadmium, Dissolved	**1.4**	ug/L	0.080	1	12/11/12 09:11	12/13/12 20:24	7440-43-9	
Calcium, Dissolved	**107000**	ug/L	400	20	12/11/12 09:11	12/13/12 20:29	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7440-48-4	
Copper, Dissolved	**1.0**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7440-50-8	
Iron, Dissolved	**132**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:24	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:24	7439-92-1	
Magnesium, Dissolved	**13300**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:24	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 2_20121127 **Lab ID: 60134390045** Collected: 11/28/12 14:28 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**436**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7439-96-5	
Molybdenum, Dissolved	**3.0**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7439-98-7	
Nickel, Dissolved	**3.5**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7440-02-0	
Potassium, Dissolved	**3130**	ug/L	20.0	1	12/11/12 09:11	12/13/12 20:24	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:24	7440-22-4	
Sodium, Dissolved	**6880**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:24	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:24	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:24	7440-62-2	
Zinc, Dissolved	**256**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:24	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**13.3J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:01	7429-90-5	
Antimony, Dissolved	**0.096J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-36-0	B
Arsenic, Dissolved	**0.72J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-38-2	
Barium, Dissolved	**62.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:24	7440-41-7	
Cadmium, Dissolved	**1.2**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:01	7440-43-9	
Chromium, Dissolved	**0.87J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-47-3	
Cobalt, Dissolved	**0.32J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-48-4	
Copper, Dissolved	**1.7**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-50-8	
Iron, Dissolved	**251**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:01	7439-89-6	
Lead, Dissolved	**0.58J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7439-92-1	B
Manganese, Dissolved	**430**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7439-96-5	
Molybdenum, Dissolved	**2.9**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7439-98-7	
Nickel, Dissolved	**0.88J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7782-49-2	
Silver, Dissolved	**0.067J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:01	7440-22-4	B
Thallium, Dissolved	**0.36J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:01	7440-62-2	
Zinc, Dissolved	**244**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:01	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:44	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:03	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:11	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**610**	umhos/cm	10.0	1		12/06/12 15:25		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 2_20121127 **Lab ID: 60134390045** Collected: 11/28/12 14:28 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**390**	mg/L	6.0	1		12/07/12 14:16		
Salinity (as seawater)	**0.30**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**150**	mg/L	20.0	1		12/06/12 11:01		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 11:01		
Alkalinity, Total as CaCO3	**150**	mg/L	20.0	1		12/06/12 11:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**452**	mg/L	5.0	1		12/05/12 14:52		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/05/12 10:19		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.1**	mg/L	1.0	1		12/05/12 18:19	16887-00-6	
Sulfate	**194**	mg/L	50.0	50		12/05/12 18:35	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:12		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:26	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 11:46	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 3_20121127 **Lab ID: 60134390046** Collected: 11/28/12 14:29 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**98700**	ug/L	500	5	12/05/12 16:15	12/11/12 16:38	7440-70-2	
Magnesium, Dissolved	**12300**	ug/L	250	5	12/05/12 16:15	12/11/12 16:38	7439-95-4	
Potassium, Dissolved	**2690**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:38	7440-09-7	
Sodium, Dissolved	**5780**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:38	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**26.2**	ug/L	4.0	1	12/11/12 09:23	12/21/12 02:39	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7440-36-0	
Arsenic	**0.63**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7440-38-2	
Barium	**63.1**	ug/L	0.30	1	12/11/12 09:23	12/21/12 02:39	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 02:39	7440-41-7	
Cadmium	**1.2**	ug/L	0.080	1	12/11/12 09:23	12/21/12 02:39	7440-43-9	
Calcium	**102000**	ug/L	400	20	12/11/12 09:23	12/21/12 02:44	7440-70-2	
Chromium	**0.64**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7440-48-4	
Copper	**1.7**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7440-50-8	
Iron	**254**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:39	7439-89-6	
Lead	**0.19**	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:39	7439-92-1	
Magnesium	**12200**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:39	7439-95-4	
Manganese	**398**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7439-96-5	
Molybdenum	**2.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7439-98-7	
Nickel	**1.1**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7440-02-0	
Potassium	**2690**	ug/L	20.0	1	12/11/12 09:23	12/21/12 02:39	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7782-49-2	
Silica	**10800**	ug/L	1070	20	12/11/12 09:23	12/21/12 02:44	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:39	7440-22-4	
Sodium	**5680**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:39	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:39	7440-28-0	
Total Hardness by 2340B	**304000**	ug/L	1420	20	12/11/12 09:23	12/21/12 02:44		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:39	7440-62-2	
Zinc	**228**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:39	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.2**	ug/L	4.0	1	12/11/12 09:11	12/13/12 20:33	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7440-36-0	
Arsenic, Dissolved	**0.62**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7440-38-2	
Barium, Dissolved	**64.9**	ug/L	0.30	1	12/11/12 09:11	12/13/12 20:33	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 20:33	7440-41-7	
Cadmium, Dissolved	**1.1**	ug/L	0.080	1	12/11/12 09:11	12/13/12 20:33	7440-43-9	
Calcium, Dissolved	**100000**	ug/L	400	20	12/11/12 09:11	12/13/12 20:38	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7440-48-4	
Copper, Dissolved	**0.90**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7440-50-8	
Iron, Dissolved	**128**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:33	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:33	7439-92-1	
Magnesium, Dissolved	**11800**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:33	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 3_20121127 **Lab ID: 60134390046** Collected: 11/28/12 14:29 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**398**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7439-96-5	
Molybdenum, Dissolved	**2.6**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7439-98-7	
Nickel, Dissolved	**1.4**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7440-02-0	
Potassium, Dissolved	**2640**	ug/L	20.0	1	12/11/12 09:11	12/13/12 20:33	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:33	7440-22-4	
Sodium, Dissolved	**5860**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:33	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:33	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:33	7440-62-2	
Zinc, Dissolved	**216**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:33	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**12.4J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:05	7429-90-5	
Antimony, Dissolved	**0.099J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-36-0	B
Arsenic, Dissolved	**0.51J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-38-2	
Barium, Dissolved	**63.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:26	7440-41-7	
Cadmium, Dissolved	**1.0**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:05	7440-43-9	
Chromium, Dissolved	**0.57J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-47-3	
Cobalt, Dissolved	**0.28J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-48-4	
Copper, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-50-8	
Iron, Dissolved	**236**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:05	7439-89-6	
Lead, Dissolved	**0.39J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7439-92-1	B
Manganese, Dissolved	**401**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7439-96-5	
Molybdenum, Dissolved	**2.8**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7439-98-7	
Nickel, Dissolved	**0.69J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7782-49-2	
Silver, Dissolved	**0.065J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:05	7440-22-4	B
Thallium, Dissolved	**0.35J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:05	7440-62-2	
Zinc, Dissolved	**214**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:05	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:46	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:05	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:20	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**588**	umhos/cm	10.0	1		12/06/12 15:27		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 3_20121127 **Lab ID: 60134390046** Collected: 11/28/12 14:29 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**376**	mg/L	6.0	1		12/07/12 14:16		
Salinity (as seawater)	**0.28**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**136**	mg/L	20.0	1		12/06/12 11:06		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 11:06		
Alkalinity, Total as CaCO3	**136**	mg/L	20.0	1		12/06/12 11:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**440**	mg/L	5.0	1		12/05/12 14:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/05/12 10:20		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.2**	mg/L	1.0	1		12/05/12 18:52	16887-00-6	
Sulfate	**178**	mg/L	50.0	50		12/05/12 19:09	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:13		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:26	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 12:00	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 4_20121127 **Lab ID: 60134390047** Collected: 11/28/12 14:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**102000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:41	7440-70-2	
Magnesium, Dissolved	**12600**	ug/L	250	5	12/05/12 16:15	12/11/12 16:41	7439-95-4	
Potassium, Dissolved	**2740**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:41	7440-09-7	
Sodium, Dissolved	**5930**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:41	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**20.7**	ug/L	4.0	1	12/11/12 09:23	12/21/12 02:48	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7440-36-0	
Arsenic	**0.56**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7440-38-2	
Barium	**66.3**	ug/L	0.30	1	12/11/12 09:23	12/21/12 02:48	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 02:48	7440-41-7	
Cadmium	**1.1**	ug/L	0.080	1	12/11/12 09:23	12/21/12 02:48	7440-43-9	
Calcium	**93200**	ug/L	400	20	12/11/12 09:23	12/21/12 02:52	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7440-48-4	
Copper	**1.5**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7440-50-8	
Iron	**265**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:48	7439-89-6	
Lead	**0.19**	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:48	7439-92-1	
Magnesium	**12600**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:48	7439-95-4	
Manganese	**408**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7439-96-5	
Molybdenum	**2.7**	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7440-02-0	
Potassium	**2700**	ug/L	20.0	1	12/11/12 09:23	12/21/12 02:48	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7782-49-2	
Silica	**10400**	ug/L	1070	20	12/11/12 09:23	12/21/12 02:52	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 02:48	7440-22-4	
Sodium	**5790**	ug/L	50.0	1	12/11/12 09:23	12/21/12 02:48	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:48	7440-28-0	
Total Hardness by 2340B	**285000**	ug/L	1420	20	12/11/12 09:23	12/21/12 02:52		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 02:48	7440-62-2	
Zinc	**224**	ug/L	5.0	1	12/11/12 09:23	12/21/12 02:48	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.0**	ug/L	4.0	1	12/11/12 09:11	12/13/12 20:42	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7440-36-0	
Arsenic, Dissolved	**0.59**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7440-38-2	
Barium, Dissolved	**66.6**	ug/L	0.30	1	12/11/12 09:11	12/13/12 20:42	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 20:42	7440-41-7	
Cadmium, Dissolved	**1.1**	ug/L	0.080	1	12/11/12 09:11	12/13/12 20:42	7440-43-9	
Calcium, Dissolved	**98900**	ug/L	400	20	12/11/12 09:11	12/13/12 20:47	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7440-48-4	
Copper, Dissolved	**1.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7440-50-8	
Iron, Dissolved	**126**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:42	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:42	7439-92-1	
Magnesium, Dissolved	**12100**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:42	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 4_20121127 **Lab ID: 60134390047** Collected: 11/28/12 14:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**409**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7439-96-5	
Molybdenum, Dissolved	**2.7**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7439-98-7	
Nickel, Dissolved	**1.4**	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7440-02-0	
Potassium, Dissolved	**2700**	ug/L	20.0	1	12/11/12 09:11	12/13/12 20:42	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 20:42	7440-22-4	
Sodium, Dissolved	**5990**	ug/L	50.0	1	12/11/12 09:11	12/13/12 20:42	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:42	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 20:42	7440-62-2	
Zinc, Dissolved	**215**	ug/L	5.0	1	12/11/12 09:11	12/13/12 20:42	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**11.4J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:09	7429-90-5	
Antimony, Dissolved	**0.099J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-36-0	B
Arsenic, Dissolved	**0.71J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-38-2	
Barium, Dissolved	**61.4**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:27	7440-41-7	
Cadmium, Dissolved	**1.1**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:09	7440-43-9	
Chromium, Dissolved	**0.56J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-47-3	
Cobalt, Dissolved	**0.28J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-48-4	
Copper, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-50-8	
Iron, Dissolved	**230**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:09	7439-89-6	
Lead, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7439-92-1	B
Manganese, Dissolved	**392**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7439-96-5	
Molybdenum, Dissolved	**2.7**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7439-98-7	
Nickel, Dissolved	**0.79J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7782-49-2	
Silver, Dissolved	**0.066J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:09	7440-22-4	B
Thallium, Dissolved	**0.35J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:09	7440-62-2	
Zinc, Dissolved	**202**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:09	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:48	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:08	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:23	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**588**	umhos/cm	10.0	1		12/06/12 15:29		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 4_20121127 **Lab ID: 60134390047** Collected: 11/28/12 14:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**376**	mg/L	6.0	1		12/07/12 14:16		
Salinity (as seawater)	**0.28**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**142**	mg/L	20.0	1		12/06/12 11:15		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 11:15		
Alkalinity, Total as CaCO3	**142**	mg/L	20.0	1		12/06/12 11:15		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**429**	mg/L	5.0	1		12/05/12 14:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/05/12 10:20		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.2**	mg/L	1.0	1		12/05/12 20:39	16887-00-6	
Sulfate	**176**	mg/L	50.0	50		12/05/12 20:56	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:14		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0052**	mg/L	0.0050	1		12/07/12 15:30	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 12:14	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 5_20121127 **Lab ID: 60134390048** Collected: 11/28/12 14:32 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**106000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:45	7440-70-2	
Magnesium, Dissolved	**13100**	ug/L	250	5	12/05/12 16:15	12/11/12 16:45	7439-95-4	
Potassium, Dissolved	**2710**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:45	7440-09-7	
Sodium, Dissolved	**6380**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:45	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**15.5**	ug/L	4.0	1	12/11/12 09:23	12/21/12 03:07	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7440-36-0	
Arsenic	**0.85**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7440-38-2	
Barium	**66.8**	ug/L	0.30	1	12/11/12 09:23	12/21/12 03:07	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 03:07	7440-41-7	
Cadmium	**1.0**	ug/L	0.080	1	12/11/12 09:23	12/21/12 03:07	7440-43-9	
Calcium	**111000**	ug/L	400	20	12/11/12 09:23	12/21/12 03:11	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7440-48-4	
Copper	**1.1**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7440-50-8	
Iron	**339**	ug/L	50.0	1	12/11/12 09:23	12/21/12 03:07	7439-89-6	
Lead	**0.14**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:07	7439-92-1	
Magnesium	**13300**	ug/L	5.0	1	12/11/12 09:23	12/21/12 03:07	7439-95-4	
Manganese	**434**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7439-96-5	
Molybdenum	**2.5**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7440-02-0	
Potassium	**2840**	ug/L	20.0	1	12/11/12 09:23	12/21/12 03:07	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7782-49-2	
Silica	**12800**	ug/L	1070	20	12/11/12 09:23	12/21/12 03:11	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:07	7440-22-4	
Sodium	**6480**	ug/L	50.0	1	12/11/12 09:23	12/21/12 03:07	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:07	7440-28-0	
Total Hardness by 2340B	**332000**	ug/L	1420	20	12/11/12 09:23	12/21/12 03:11		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:07	7440-62-2	
Zinc	**199**	ug/L	5.0	1	12/11/12 09:23	12/21/12 03:07	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.3**	ug/L	4.0	1	12/11/12 09:11	12/13/12 21:01	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7440-36-0	
Arsenic, Dissolved	**0.76**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7440-38-2	
Barium, Dissolved	**66.1**	ug/L	0.30	1	12/11/12 09:11	12/13/12 21:01	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 21:01	7440-41-7	
Cadmium, Dissolved	**0.95**	ug/L	0.080	1	12/11/12 09:11	12/13/12 21:01	7440-43-9	
Calcium, Dissolved	**105000**	ug/L	400	20	12/11/12 09:11	12/13/12 21:06	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7440-48-4	
Copper, Dissolved	**0.81**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7440-50-8	
Iron, Dissolved	**247**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:01	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:01	7439-92-1	
Magnesium, Dissolved	**12600**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:01	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 5_20121127 **Lab ID: 60134390048** Collected: 11/28/12 14:32 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**430**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7439-96-5	
Molybdenum, Dissolved	**2.5**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7439-98-7	
Nickel, Dissolved	**1.2**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7440-02-0	
Potassium, Dissolved	**2790**	ug/L	20.0	1	12/11/12 09:11	12/13/12 21:01	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:01	7440-22-4	
Sodium, Dissolved	**6540**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:01	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:01	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:01	7440-62-2	
Zinc, Dissolved	**194**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:01	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**9.4J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:13	7429-90-5	
Antimony, Dissolved	**0.10J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-36-0	B
Arsenic, Dissolved	**1.3**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-38-2	
Barium, Dissolved	**62.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:29	7440-41-7	
Cadmium, Dissolved	**0.86**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:13	7440-43-9	
Chromium, Dissolved	**0.74J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-47-3	
Cobalt, Dissolved	**0.31J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-48-4	
Copper, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-50-8	
Iron, Dissolved	**299**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:13	7439-89-6	
Lead, Dissolved	**0.32J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7439-92-1	B
Manganese, Dissolved	**416**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7439-96-5	
Molybdenum, Dissolved	**2.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7439-98-7	
Nickel, Dissolved	**0.57J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7782-49-2	
Silver, Dissolved	**0.063J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:13	7440-22-4	B
Thallium, Dissolved	**0.36J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:13	7440-62-2	
Zinc, Dissolved	**180**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:13	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:51	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:10	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:25	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**600**	umhos/cm	10.0	1		12/06/12 15:35		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: DR-7 COMPARTMENT 5_20121127 **Lab ID: 60134390048** Collected: 11/28/12 14:32 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**384**	mg/L	6.0	1		12/07/12 14:16		
Salinity (as seawater)	**0.29**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**156**	mg/L	20.0	1		12/06/12 11:20		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 11:20		
Alkalinity, Total as CaCO3	**156**	mg/L	20.0	1		12/06/12 11:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**437**	mg/L	5.0	1		12/05/12 14:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/05/12 10:20		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.0**	mg/L	1.0	1		12/05/12 21:46	16887-00-6	
Sulfate	**171**	mg/L	50.0	50		12/05/12 22:03	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:15		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:31	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 12:28	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5_20121127 **Lab ID: 60134390049** Collected: 11/28/12 10:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**690000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:48	7440-70-2	
Magnesium, Dissolved	**89800**	ug/L	250	5	12/05/12 16:15	12/11/12 16:48	7439-95-4	
Potassium, Dissolved	**23500**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:48	7440-09-7	
Sodium, Dissolved	**66800**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:48	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**10.9**	ug/L	4.0	1	12/11/12 09:23	12/21/12 03:15	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7440-36-0	
Arsenic	**29.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7440-38-2	
Barium	**37.5**	ug/L	0.30	1	12/11/12 09:23	12/21/12 03:15	7440-39-3	
Beryllium	**5.2**	ug/L	0.20	1	12/11/12 09:23	12/21/12 03:15	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 03:15	7440-43-9	
Calcium	**726000**	ug/L	2000	100	12/11/12 09:23	12/26/12 13:32	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7440-50-8	
Iron	**6940**	ug/L	50.0	1	12/11/12 09:23	12/21/12 03:15	7439-89-6	
Lead	**0.35**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:15	7439-92-1	
Magnesium	**90200**	ug/L	100	20	12/11/12 09:23	12/21/12 03:20	7439-95-4	
Manganese	**1360**	ug/L	10.0	20	12/11/12 09:23	12/21/12 03:20	7439-96-5	
Molybdenum	**1.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7439-98-7	
Nickel	**1.9**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7440-02-0	
Potassium	**22400**	ug/L	400	20	12/11/12 09:23	12/21/12 03:20	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7782-49-2	
Silica	**124000**	ug/L	5350	100	12/11/12 09:23	12/26/12 13:32	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:15	7440-22-4	
Sodium	**63200**	ug/L	1000	20	12/11/12 09:23	12/21/12 03:20	7440-23-5	
Thallium	**1.2**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:15	7440-28-0	
Total Hardness by 2340B	**2180000**	ug/L	7100	100	12/11/12 09:23	12/26/12 13:32		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:15	7440-62-2	
Zinc	**32.8**	ug/L	5.0	1	12/11/12 09:23	12/21/12 03:15	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**6.1**	ug/L	4.0	1	12/11/12 09:11	12/13/12 21:10	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7440-36-0	
Arsenic, Dissolved	**22.9**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7440-38-2	
Barium, Dissolved	**35.0**	ug/L	0.30	1	12/11/12 09:11	12/13/12 21:10	7440-39-3	
Beryllium, Dissolved	**3.0**	ug/L	0.20	1	12/11/12 09:11	12/13/12 21:10	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 21:10	7440-43-9	
Calcium, Dissolved	**712000**	ug/L	1000	50	12/11/12 09:11	12/18/12 03:26	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7440-47-3	
Cobalt, Dissolved	**0.69**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7440-48-4	
Copper, Dissolved	**1.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7440-50-8	
Iron, Dissolved	**2430**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:10	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:10	7439-92-1	
Magnesium, Dissolved	**90900**	ug/L	100	20	12/11/12 09:11	12/13/12 21:15	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5_20121127 **Lab ID: 60134390049** Collected: 11/28/12 10:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1420**	ug/L	10.0	20	12/11/12 09:11	12/13/12 21:15	7439-96-5	
Molybdenum, Dissolved	**1.5**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7439-98-7	
Nickel, Dissolved	**2.7**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7440-02-0	
Potassium, Dissolved	**23400**	ug/L	400	20	12/11/12 09:11	12/13/12 21:15	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:10	7440-22-4	
Sodium, Dissolved	**66900**	ug/L	1000	20	12/11/12 09:11	12/13/12 21:15	7440-23-5	
Thallium, Dissolved	**1.1**	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:10	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:10	7440-62-2	
Zinc, Dissolved	**33.2**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:10	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**8.9J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:17	7429-90-5	
Antimony, Dissolved	**0.30J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-36-0	B
Arsenic, Dissolved	**23.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-38-2	
Barium, Dissolved	**35.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-39-3	
Beryllium, Dissolved	**3.8**	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:31	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:17	7440-43-9	
Chromium, Dissolved	**0.55J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-47-3	
Cobalt, Dissolved	**0.41J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-50-8	
Iron, Dissolved	**6540**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:17	7439-89-6	
Lead, Dissolved	**0.64J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7439-92-1	B
Manganese, Dissolved	**1340**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7439-96-5	
Molybdenum, Dissolved	**1.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7439-98-7	
Nickel, Dissolved	**2.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7782-49-2	
Silver, Dissolved	**0.059J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:17	7440-22-4	B
Thallium, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:17	7440-62-2	
Zinc, Dissolved	**28.2**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:17	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:57	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:13	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:27	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**3200**	umhos/cm	10.0	1		12/06/12 15:36		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**2050**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5_20121127 **Lab ID: 60134390049** Collected: 11/28/12 10:25 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.7**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**1160**	mg/L	40.0	2		12/06/12 12:48		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	40.0	2		12/06/12 12:48		D3
Alkalinity, Total as CaCO3	**1160**	mg/L	40.0	2		12/06/12 12:48		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2900**	mg/L	5.0	1		12/05/12 14:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**19.0**	mg/L	5.0	1		12/05/12 10:21		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.0**	mg/L	1.0	1		12/05/12 22:19	16887-00-6	
Sulfate	**1110**	mg/L	100	100		12/05/12 22:36	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:16		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:33	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 12:42	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5A_20121127 **Lab ID: 60134390050** Collected: 11/28/12 10:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**362000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:52	7440-70-2	
Magnesium, Dissolved	**59200**	ug/L	250	5	12/05/12 16:15	12/11/12 16:52	7439-95-4	
Potassium, Dissolved	**14000**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:52	7440-09-7	
Sodium, Dissolved	**41000**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:52	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**20.3**	ug/L	4.0	1	12/11/12 09:23	12/21/12 03:24	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7440-36-0	
Arsenic	**7.5**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7440-38-2	
Barium	**45.4**	ug/L	0.30	1	12/11/12 09:23	12/21/12 03:24	7440-39-3	
Beryllium	**0.30**	ug/L	0.20	1	12/11/12 09:23	12/21/12 03:24	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 03:24	7440-43-9	
Calcium	**375000**	ug/L	400	20	12/11/12 09:23	12/21/12 03:28	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7440-50-8	
Iron	**689**	ug/L	50.0	1	12/11/12 09:23	12/21/12 03:24	7439-89-6	
Lead	**0.21**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:24	7439-92-1	
Magnesium	**58600**	ug/L	100	20	12/11/12 09:23	12/21/12 03:28	7439-95-4	
Manganese	**449**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7439-96-5	
Molybdenum	**2.9**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7439-98-7	
Nickel	**0.78**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7440-02-0	
Potassium	**13900**	ug/L	20.0	1	12/11/12 09:23	12/21/12 03:24	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7782-49-2	
Silica	**76600**	ug/L	1070	20	12/11/12 09:23	12/21/12 03:28	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:24	7440-22-4	
Sodium	**38800**	ug/L	1000	20	12/11/12 09:23	12/21/12 03:28	7440-23-5	
Thallium	**0.31**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:24	7440-28-0	
Total Hardness by 2340B	**1180000**	ug/L	1420	20	12/11/12 09:23	12/21/12 03:28		
Vanadium	**0.35**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:24	7440-62-2	
Zinc	ND	ug/L	5.0	1	12/11/12 09:23	12/21/12 03:24	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/11/12 09:11	12/13/12 21:19	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7440-36-0	
Arsenic, Dissolved	**5.6**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7440-38-2	
Barium, Dissolved	**43.9**	ug/L	0.30	1	12/11/12 09:11	12/13/12 21:19	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 21:19	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 21:19	7440-43-9	
Calcium, Dissolved	**337000**	ug/L	400	20	12/11/12 09:11	12/13/12 21:24	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7440-50-8	
Iron, Dissolved	**66.2**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:19	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:19	7439-92-1	
Magnesium, Dissolved	**53600**	ug/L	100	20	12/11/12 09:11	12/13/12 21:24	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5A_20121127 **Lab ID: 60134390050** Collected: 11/28/12 10:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**421**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7439-96-5	
Molybdenum, Dissolved	**2.7**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7439-98-7	
Nickel, Dissolved	**0.72**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7440-02-0	
Potassium, Dissolved	**13200**	ug/L	20.0	1	12/11/12 09:11	12/13/12 21:19	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:19	7440-22-4	
Sodium, Dissolved	**37300**	ug/L	1000	20	12/11/12 09:11	12/13/12 21:24	7440-23-5	
Thallium, Dissolved	**0.27**	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:19	7440-28-0	
Vanadium, Dissolved	**0.23**	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:19	7440-62-2	
Zinc, Dissolved	ND	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:19	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**10.2J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:21	7429-90-5	
Antimony, Dissolved	**0.17J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-36-0	B
Arsenic, Dissolved	**6.3**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-38-2	
Barium, Dissolved	**42.3**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-39-3	
Beryllium, Dissolved	**0.21J**	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:32	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:21	7440-43-9	
Chromium, Dissolved	**0.69J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-47-3	
Cobalt, Dissolved	**0.34J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-50-8	
Iron, Dissolved	**723**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:21	7439-89-6	
Lead, Dissolved	**0.47J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7439-92-1	B
Manganese, Dissolved	**448**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7439-96-5	M1
Molybdenum, Dissolved	**2.7**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7439-98-7	
Nickel, Dissolved	**1.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7782-49-2	
Silver, Dissolved	**0.062J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:21	7440-22-4	B
Thallium, Dissolved	**0.65J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-28-0	B
Vanadium, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:21	7440-62-2	
Zinc, Dissolved	**5.2J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:21	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 11:59	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:20	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:29	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1820**	umhos/cm	10.0	1		12/06/12 15:37		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1160**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5A_20121127 **Lab ID: 60134390050** Collected: 11/28/12 10:30 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.92**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**554**	mg/L	20.0	1		12/06/12 11:47		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 11:47		
Alkalinity, Total as CaCO3	**554**	mg/L	20.0	1		12/06/12 11:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1680**	mg/L	5.0	1		12/05/12 14:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**6.0**	mg/L	5.0	1		12/05/12 10:21		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:05	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2.1**	mg/L	1.0	1		12/05/12 23:26	16887-00-6	
Sulfate	**676**	mg/L	50.0	50		12/05/12 23:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:17		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:34	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 12:56	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5B_20121127 **Lab ID: 60134390051** Collected: 11/28/12 10:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**119000**	ug/L	500	5	12/05/12 16:15	12/11/12 16:55	7440-70-2	
Magnesium, Dissolved	**11900**	ug/L	250	5	12/05/12 16:15	12/11/12 16:55	7439-95-4	
Potassium, Dissolved	**1530**	ug/L	500	1	12/05/12 16:15	12/11/12 17:36	7440-09-7	
Sodium, Dissolved	**3610**	ug/L	2500	5	12/05/12 16:15	12/11/12 16:55	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	ND	ug/L	4.0	1	12/11/12 09:23	12/21/12 03:33	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7440-38-2	
Barium	**43.8**	ug/L	0.30	1	12/11/12 09:23	12/21/12 03:33	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 03:33	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 03:33	7440-43-9	
Calcium	**123000**	ug/L	400	20	12/11/12 09:23	12/21/12 03:37	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7440-50-8	
Iron	**122**	ug/L	50.0	1	12/11/12 09:23	12/21/12 03:33	7439-89-6	
Lead	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:33	7439-92-1	
Magnesium	**12100**	ug/L	5.0	1	12/11/12 09:23	12/21/12 03:33	7439-95-4	
Manganese	**35.9**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7439-96-5	
Molybdenum	**1.9**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7440-02-0	
Potassium	**1540**	ug/L	20.0	1	12/11/12 09:23	12/21/12 03:33	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7782-49-2	
Silica	**15500**	ug/L	1070	20	12/11/12 09:23	12/21/12 03:37	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:33	7440-22-4	
Sodium	**3500**	ug/L	50.0	1	12/11/12 09:23	12/21/12 03:33	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:33	7440-28-0	
Total Hardness by 2340B	**357000**	ug/L	1420	20	12/11/12 09:23	12/21/12 03:37		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:33	7440-62-2	
Zinc	ND	ug/L	5.0	1	12/11/12 09:23	12/21/12 03:33	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/11/12 09:11	12/13/12 21:28	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7440-38-2	
Barium, Dissolved	**44.0**	ug/L	0.30	1	12/11/12 09:11	12/13/12 21:28	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 21:28	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 21:28	7440-43-9	
Calcium, Dissolved	**117000**	ug/L	400	20	12/11/12 09:11	12/13/12 21:33	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7440-48-4	
Copper, Dissolved	**1.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7440-50-8	
Iron, Dissolved	**53.4**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:28	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:28	7439-92-1	
Magnesium, Dissolved	**11200**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:28	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5B_20121127 **Lab ID: 60134390051** Collected: 11/28/12 10:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**34.4**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7439-96-5	
Molybdenum, Dissolved	**1.8**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7439-98-7	
Nickel, Dissolved	**1.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7440-02-0	
Potassium, Dissolved	**1490**	ug/L	20.0	1	12/11/12 09:11	12/13/12 21:28	7440-09-7	
Selenium, Dissolved	**0.53**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:28	7440-22-4	
Sodium, Dissolved	**3530**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:28	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:28	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:28	7440-62-2	
Zinc, Dissolved	**5.5**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:28	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:29	7429-90-5	
Antimony, Dissolved	**0.12J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-36-0	B
Arsenic, Dissolved	**0.37J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-38-2	
Barium, Dissolved	**42.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:35	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:29	7440-43-9	
Chromium, Dissolved	**0.60J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-50-8	
Iron, Dissolved	**137**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:29	7439-89-6	
Lead, Dissolved	**0.25J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7439-92-1	B
Manganese, Dissolved	**35.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7439-96-5	
Molybdenum, Dissolved	**2.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7782-49-2	
Silver, Dissolved	**0.17J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:29	7440-22-4	B
Thallium, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:29	7440-62-2	
Zinc, Dissolved	**3.2J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:29	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 12:01	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:23	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:31	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**610**	umhos/cm	10.0	1		12/06/12 15:38		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**390**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5B_20121127 **Lab ID: 60134390051** Collected: 11/28/12 10:35 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.30**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**245**	mg/L	20.0	1		12/06/12 11:52		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 11:52		
Alkalinity, Total as CaCO3	**245**	mg/L	20.0	1		12/06/12 11:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**429**	mg/L	5.0	1		12/05/12 14:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/05/12 10:22		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:05	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.3**	mg/L	1.0	1		12/06/12 00:00	16887-00-6	
Sulfate	**87.8**	mg/L	10.0	10		12/06/12 14:47	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:21		M1
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0060**	mg/L	0.0050	1		12/07/12 15:34	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 13:10	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5C_20121127 **Lab ID: 60134390052** Collected: 11/28/12 11:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**360000**	ug/L	500	5	12/05/12 16:15	12/12/12 07:23	7440-70-2	M1
Magnesium, Dissolved	**34600**	ug/L	250	5	12/05/12 16:15	12/12/12 07:23	7439-95-4	
Potassium, Dissolved	**8920**	ug/L	2500	5	12/05/12 16:15	12/12/12 07:23	7440-09-7	
Sodium, Dissolved	**24300**	ug/L	2500	5	12/05/12 16:15	12/12/12 07:23	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**39.2**	ug/L	4.0	1	12/11/12 09:23	12/21/12 03:41	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7440-36-0	
Arsenic	**2.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7440-38-2	
Barium	**32.1**	ug/L	0.30	1	12/11/12 09:23	12/21/12 03:41	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 03:41	7440-41-7	
Cadmium	**0.14**	ug/L	0.080	1	12/11/12 09:23	12/21/12 03:41	7440-43-9	
Calcium	**384000**	ug/L	400	20	12/11/12 09:23	12/21/12 03:45	7440-70-2	
Chromium	**0.66**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7440-47-3	
Cobalt	**3.2**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7440-50-8	
Iron	**4780**	ug/L	50.0	1	12/11/12 09:23	12/21/12 03:41	7439-89-6	
Lead	**0.32**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:41	7439-92-1	
Magnesium	**36400**	ug/L	100	20	12/11/12 09:23	12/21/12 03:45	7439-95-4	
Manganese	**1900**	ug/L	10.0	20	12/11/12 09:23	12/21/12 03:45	7439-96-5	
Molybdenum	**1.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7439-98-7	
Nickel	**3.1**	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7440-02-0	
Potassium	**9430**	ug/L	20.0	1	12/11/12 09:23	12/21/12 03:41	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7782-49-2	
Silica	**52600**	ug/L	1070	20	12/11/12 09:23	12/21/12 03:45	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 03:41	7440-22-4	
Sodium	**23400**	ug/L	1000	20	12/11/12 09:23	12/21/12 03:45	7440-23-5	
Thallium	**0.20**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:41	7440-28-0	
Total Hardness by 2340B	**1110000**	ug/L	1420	20	12/11/12 09:23	12/21/12 03:45		
Vanadium	**0.15**	ug/L	0.10	1	12/11/12 09:23	12/21/12 03:41	7440-62-2	
Zinc	**49.9**	ug/L	5.0	1	12/11/12 09:23	12/21/12 03:41	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.5**	ug/L	4.0	1	12/11/12 09:11	12/13/12 21:37	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7440-36-0	
Arsenic, Dissolved	**1.2**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7440-38-2	
Barium, Dissolved	**30.0**	ug/L	0.30	1	12/11/12 09:11	12/13/12 21:37	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 21:37	7440-41-7	
Cadmium, Dissolved	**0.15**	ug/L	0.080	1	12/11/12 09:11	12/13/12 21:37	7440-43-9	
Calcium, Dissolved	**369000**	ug/L	400	20	12/11/12 09:11	12/13/12 21:42	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7440-47-3	
Cobalt, Dissolved	**3.9**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7440-48-4	
Copper, Dissolved	**1.3**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7440-50-8	
Iron, Dissolved	**2570**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:37	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:37	7439-92-1	
Magnesium, Dissolved	**34200**	ug/L	100	20	12/11/12 09:11	12/13/12 21:42	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5C_20121127 **Lab ID: 60134390052** Collected: 11/28/12 11:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**1860**	ug/L	10.0	20	12/11/12 09:11	12/13/12 21:42	7439-96-5	
Molybdenum, Dissolved	**1.5**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7439-98-7	
Nickel, Dissolved	**4.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7440-02-0	
Potassium, Dissolved	**9440**	ug/L	20.0	1	12/11/12 09:11	12/13/12 21:37	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:37	7440-22-4	
Sodium, Dissolved	**23800**	ug/L	1000	20	12/11/12 09:11	12/13/12 21:42	7440-23-5	
Thallium, Dissolved	**0.19**	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:37	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:37	7440-62-2	
Zinc, Dissolved	**56.1**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:37	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**11.1J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:33	7429-90-5	
Antimony, Dissolved	**0.057J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-36-0	B
Arsenic, Dissolved	**2.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-38-2	
Barium, Dissolved	**29.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-39-3	
Beryllium, Dissolved	**0.081J**	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:37	7440-41-7	
Cadmium, Dissolved	**0.10J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:33	7440-43-9	
Chromium, Dissolved	**1.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-47-3	
Cobalt, Dissolved	**2.9**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-50-8	
Iron, Dissolved	**3580**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:33	7439-89-6	
Lead, Dissolved	**0.38J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7439-92-1	B
Manganese, Dissolved	**1920**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7439-96-5	
Molybdenum, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7439-98-7	
Nickel, Dissolved	**3.0**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7782-49-2	
Silver, Dissolved	**0.076J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:33	7440-22-4	B
Thallium, Dissolved	**0.54J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:33	7440-62-2	
Zinc, Dissolved	**43.3**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:33	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/08/12 11:34	12/12/12 12:03	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:25	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:34	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**1820**	umhos/cm	10.0	1		12/06/12 15:39		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1170**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5C_20121127 **Lab ID: 60134390052** Collected: 11/28/12 11:15 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.92**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**700**	mg/L	20.0	1		12/06/12 11:59		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 11:59		
Alkalinity, Total as CaCO3	**700**	mg/L	20.0	1		12/06/12 11:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1460**	mg/L	5.0	1		12/05/12 14:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**7.0**	mg/L	5.0	1		12/05/12 10:23		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:05	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.4**	mg/L	1.0	1		12/06/12 00:33	16887-00-6	
Sulfate	**472**	mg/L	100	100		12/06/12 00:50	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:23		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:35	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 13:25	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5D_POND_20121127 **Lab ID: 60134390053** Collected: 11/28/12 10:55 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**102000**	ug/L	500	5	12/05/12 16:15	12/11/12 17:12	7440-70-2	
Magnesium, Dissolved	**14000**	ug/L	250	5	12/05/12 16:15	12/11/12 17:12	7439-95-4	
Potassium, Dissolved	**1250**	ug/L	500	1	12/05/12 16:15	12/11/12 17:43	7440-09-7	
Sodium, Dissolved	**3230**	ug/L	2500	5	12/05/12 16:15	12/11/12 17:12	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**4.3**	ug/L	4.0	1	12/11/12 09:23	12/21/12 04:00	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7440-38-2	
Barium	**37.3**	ug/L	0.30	1	12/11/12 09:23	12/21/12 04:00	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 04:00	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 04:00	7440-43-9	
Calcium	**105000**	ug/L	400	20	12/11/12 09:23	12/21/12 04:04	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7440-47-3	
Cobalt	**0.58**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7440-48-4	
Copper	**0.84**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7440-50-8	
Iron	ND	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:00	7439-89-6	
Lead	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:00	7439-92-1	
Magnesium	**13700**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:00	7439-95-4	
Manganese	**24.2**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7439-96-5	
Molybdenum	**5.5**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7439-98-7	
Nickel	**1.9**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7440-02-0	
Potassium	**1230**	ug/L	20.0	1	12/11/12 09:23	12/21/12 04:00	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7782-49-2	
Silica	**14600**	ug/L	1070	20	12/11/12 09:23	12/21/12 04:04	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:00	7440-22-4	
Sodium	**3080**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:00	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:00	7440-28-0	
Total Hardness by 2340B	**320000**	ug/L	1420	20	12/11/12 09:23	12/21/12 04:04		
Vanadium	**0.19**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:00	7440-62-2	
Zinc	**10.3**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:00	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**128**	ug/L	4.0	1	12/11/12 09:11	12/13/12 21:57	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7440-36-0	
Arsenic, Dissolved	**0.53**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7440-38-2	
Barium, Dissolved	**41.6**	ug/L	0.30	1	12/11/12 09:11	12/13/12 21:57	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 21:57	7440-41-7	
Cadmium, Dissolved	**0.21**	ug/L	0.080	1	12/11/12 09:11	12/13/12 21:57	7440-43-9	
Calcium, Dissolved	**97900**	ug/L	400	20	12/11/12 09:11	12/13/12 22:01	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7440-48-4	
Copper, Dissolved	**1.2**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7440-50-8	
Iron, Dissolved	**315**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:57	7439-89-6	
Lead, Dissolved	**2.4**	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:57	7439-92-1	
Magnesium, Dissolved	**12800**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:57	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5D_POND_20121127 **Lab ID: 60134390053** Collected: 11/28/12 10:55 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**24.8**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7439-96-5	
Molybdenum, Dissolved	**5.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7439-98-7	
Nickel, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7440-02-0	
Potassium, Dissolved	**1220**	ug/L	20.0	1	12/11/12 09:11	12/13/12 21:57	7440-09-7	
Selenium, Dissolved	**0.56**	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 21:57	7440-22-4	
Sodium, Dissolved	**3040**	ug/L	50.0	1	12/11/12 09:11	12/13/12 21:57	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:57	7440-28-0	
Vanadium, Dissolved	**0.46**	ug/L	0.10	1	12/11/12 09:11	12/13/12 21:57	7440-62-2	
Zinc, Dissolved	**13.7**	ug/L	5.0	1	12/11/12 09:11	12/13/12 21:57	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**18.4J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:46	7429-90-5	
Antimony, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-36-0	B
Arsenic, Dissolved	**2.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-38-2	
Barium, Dissolved	**35.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:42	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:46	7440-43-9	
Chromium, Dissolved	**0.93J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-50-8	
Iron, Dissolved	**106**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:46	7439-89-6	
Lead, Dissolved	**1.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7439-92-1	B
Manganese, Dissolved	**22.7**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7439-96-5	
Molybdenum, Dissolved	**4.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7782-49-2	
Silver, Dissolved	**0.081J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:46	7440-22-4	B
Thallium, Dissolved	**0.34J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-28-0	B
Vanadium, Dissolved	**0.30J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:46	7440-62-2	
Zinc, Dissolved	**9.0J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:46	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 07:40	12/13/12 10:17	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:28	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:36	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**578**	umhos/cm	10.0	1		12/06/12 15:40		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**370**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5D_POND_20121127 **Lab ID: 60134390053** Collected: 11/28/12 10:55 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.28**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**199**	mg/L	20.0	1		12/06/12 12:04		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 12:04		
Alkalinity, Total as CaCO3	**199**	mg/L	20.0	1		12/06/12 12:04		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**395**	mg/L	5.0	1		12/05/12 14:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**16.0**	mg/L	5.0	1		12/05/12 10:23		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5.7**	mg/L	1.0	1		12/06/12 01:06	16887-00-6	
Sulfate	**93.9**	mg/L	10.0	10		12/06/12 15:03	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:25		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:37	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 14:07	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5E_POND_20121127 **Lab ID: 60134390054** Collected: 11/28/12 10:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**95700**	ug/L	500	5	12/05/12 16:15	12/11/12 17:15	7440-70-2	
Magnesium, Dissolved	**13600**	ug/L	250	5	12/05/12 16:15	12/11/12 17:15	7439-95-4	
Potassium, Dissolved	**1240**	ug/L	500	1	12/05/12 16:15	12/11/12 17:53	7440-09-7	
Sodium, Dissolved	**2590**	ug/L	2500	5	12/05/12 16:15	12/11/12 17:15	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**5.2**	ug/L	4.0	1	12/11/12 09:23	12/21/12 04:08	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7440-38-2	
Barium	**37.7**	ug/L	0.30	1	12/11/12 09:23	12/21/12 04:08	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 04:08	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 04:08	7440-43-9	
Calcium	**98600**	ug/L	400	20	12/11/12 09:23	12/21/12 04:13	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7440-50-8	
Iron	**73.2**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:08	7439-89-6	
Lead	**0.11**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:08	7439-92-1	
Magnesium	**13400**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:08	7439-95-4	
Manganese	**22.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7439-96-5	
Molybdenum	**5.6**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7440-02-0	
Potassium	**1270**	ug/L	20.0	1	12/11/12 09:23	12/21/12 04:08	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7782-49-2	
Silica	**12800**	ug/L	1070	20	12/11/12 09:23	12/21/12 04:13	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:08	7440-22-4	
Sodium	**2490**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:08	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:08	7440-28-0	
Total Hardness by 2340B	**301000**	ug/L	1420	20	12/11/12 09:23	12/21/12 04:13		
Vanadium	**0.13**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:08	7440-62-2	
Zinc	ND	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:08	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/11/12 09:11	12/13/12 22:06	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7440-38-2	
Barium, Dissolved	**36.5**	ug/L	0.30	1	12/11/12 09:11	12/13/12 22:06	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 22:06	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 22:06	7440-43-9	
Calcium, Dissolved	**94600**	ug/L	400	20	12/11/12 09:11	12/13/12 22:10	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7440-47-3	
Cobalt, Dissolved	**0.60**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7440-48-4	
Copper, Dissolved	**1.2**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/11/12 09:11	12/13/12 22:06	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:06	7439-92-1	
Magnesium, Dissolved	**12300**	ug/L	5.0	1	12/11/12 09:11	12/13/12 22:06	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5E_POND_20121127 **Lab ID: 60134390054** Collected: 11/28/12 10:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**23.8**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7439-96-5	
Molybdenum, Dissolved	**5.4**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7439-98-7	
Nickel, Dissolved	**2.3**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7440-02-0	
Potassium, Dissolved	**1240**	ug/L	20.0	1	12/11/12 09:11	12/13/12 22:06	7440-09-7	
Selenium, Dissolved	**0.63**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:06	7440-22-4	
Sodium, Dissolved	**2510**	ug/L	50.0	1	12/11/12 09:11	12/13/12 22:06	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:06	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:06	7440-62-2	
Zinc, Dissolved	**10.0**	ug/L	5.0	1	12/11/12 09:11	12/13/12 22:06	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.3J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:50	7429-90-5	
Antimony, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-36-0	B
Arsenic, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-38-2	
Barium, Dissolved	**34.7**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:43	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:50	7440-43-9	
Chromium, Dissolved	**0.67J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-50-8	
Iron, Dissolved	**67.5**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:50	7439-89-6	
Lead, Dissolved	**0.30J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7439-92-1	B
Manganese, Dissolved	**21.4**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7439-96-5	
Molybdenum, Dissolved	**5.1**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-02-0	
Selenium, Dissolved	**0.35J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7782-49-2	
Silver, Dissolved	**0.065J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:50	7440-22-4	B
Thallium, Dissolved	**0.33J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:50	7440-62-2	
Zinc, Dissolved	**5.0J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:50	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 07:40	12/13/12 10:19	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:35	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:38	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**534**	umhos/cm	10.0	1		12/06/12 15:42		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**342**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5E_POND_20121127 **Lab ID: 60134390054** Collected: 11/28/12 10:50 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.26**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**195**	mg/L	20.0	1		12/06/12 12:09		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 12:09		
Alkalinity, Total as CaCO3	**195**	mg/L	20.0	1		12/06/12 12:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**369**	mg/L	5.0	1		12/05/12 14:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/05/12 10:23		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.8**	mg/L	1.0	1		12/06/12 01:40	16887-00-6	
Sulfate	**88.5**	mg/L	10.0	10		12/06/12 15:20	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:25		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:38	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 14:21	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5E_INFLOW_20121127 **Lab ID: 60134390055** Collected: 11/28/12 10:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**104000**	ug/L	500	5	12/05/12 16:15	12/11/12 17:19	7440-70-2	
Magnesium, Dissolved	**12600**	ug/L	250	5	12/05/12 16:15	12/11/12 17:19	7439-95-4	
Potassium, Dissolved	**1380**	ug/L	500	1	12/05/12 16:15	12/11/12 17:56	7440-09-7	
Sodium, Dissolved	**3060**	ug/L	2500	5	12/05/12 16:15	12/11/12 17:19	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	ND	ug/L	4.0	1	12/11/12 09:23	12/21/12 04:17	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7440-38-2	
Barium	**39.8**	ug/L	0.30	1	12/11/12 09:23	12/21/12 04:17	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 04:17	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 04:17	7440-43-9	
Calcium	**102000**	ug/L	400	20	12/11/12 09:23	12/21/12 04:21	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7440-48-4	
Copper	**0.73**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7440-50-8	
Iron	ND	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:17	7439-89-6	
Lead	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:17	7439-92-1	
Magnesium	**11800**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:17	7439-95-4	
Manganese	**5.3**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7439-96-5	
Molybdenum	**3.1**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7439-98-7	
Nickel	**0.55**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7440-02-0	
Potassium	**1320**	ug/L	20.0	1	12/11/12 09:23	12/21/12 04:17	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7782-49-2	
Silica	**13700**	ug/L	1070	20	12/11/12 09:23	12/21/12 04:21	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:17	7440-22-4	
Sodium	**2850**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:17	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:17	7440-28-0	
Total Hardness by 2340B	**304000**	ug/L	1420	20	12/11/12 09:23	12/21/12 04:21		
Vanadium	**0.11**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:17	7440-62-2	
Zinc	ND	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:17	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**7.2**	ug/L	4.0	1	12/11/12 09:11	12/13/12 22:15	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7440-38-2	
Barium, Dissolved	**39.9**	ug/L	0.30	1	12/11/12 09:11	12/13/12 22:15	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 22:15	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 22:15	7440-43-9	
Calcium, Dissolved	**95800**	ug/L	400	20	12/11/12 09:11	12/13/12 22:19	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7440-48-4	
Copper, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7440-50-8	
Iron, Dissolved	**93.6**	ug/L	50.0	1	12/11/12 09:11	12/13/12 22:15	7439-89-6	
Lead, Dissolved	**0.20**	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:15	7439-92-1	
Magnesium, Dissolved	**11200**	ug/L	5.0	1	12/11/12 09:11	12/13/12 22:15	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5E_INFLOW_20121127 **Lab ID: 60134390055** Collected: 11/28/12 10:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**5.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7439-96-5	
Molybdenum, Dissolved	**3.1**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7439-98-7	
Nickel, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7440-02-0	
Potassium, Dissolved	**1260**	ug/L	20.0	1	12/11/12 09:11	12/13/12 22:15	7440-09-7	
Selenium, Dissolved	**0.50**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:15	7440-22-4	
Sodium, Dissolved	**2850**	ug/L	50.0	1	12/11/12 09:11	12/13/12 22:15	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:15	7440-28-0	
Vanadium, Dissolved	**0.12**	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:15	7440-62-2	
Zinc, Dissolved	ND	ug/L	5.0	1	12/11/12 09:11	12/13/12 22:15	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**25.4J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:54	7429-90-5	
Antimony, Dissolved	**0.11J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-36-0	B
Arsenic, Dissolved	**0.82J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-38-2	
Barium, Dissolved	**42.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:45	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:54	7440-43-9	
Chromium, Dissolved	**0.72J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-48-4	
Copper, Dissolved	**0.67J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-50-8	
Iron, Dissolved	**183**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:54	7439-89-6	
Lead, Dissolved	**1.8**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7439-92-1	B
Manganese, Dissolved	**5.7**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7439-96-5	
Molybdenum, Dissolved	**2.8**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-02-0	
Selenium, Dissolved	**0.42J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7782-49-2	
Silver, Dissolved	**0.066J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:54	7440-22-4	B
Thallium, Dissolved	**0.34J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:54	7440-62-2	
Zinc, Dissolved	**8.5J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:54	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 07:40	12/13/12 10:21	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:37	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:49	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**555**	umhos/cm	10.0	1		12/06/12 16:05		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**355**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5E_INFLOW_20121127 **Lab ID: 60134390055** Collected: 11/28/12 10:45 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.27**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**213**	mg/L	20.0	1		12/06/12 12:14		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 12:14		
Alkalinity, Total as CaCO3	**213**	mg/L	20.0	1		12/06/12 12:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**363**	mg/L	5.0	1		12/05/12 14:56		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**8.0**	mg/L	5.0	1		12/05/12 10:25		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.7**	mg/L	1.0	1		12/06/12 02:47	16887-00-6	
Sulfate	**81.1**	mg/L	10.0	10		12/06/12 15:37	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.17**	mg/L	0.10	1		12/11/12 16:26		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0055**	mg/L	0.0050	1		12/07/12 15:39	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 14:36	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5_POND_20121127 **Lab ID: 60134390056** Collected: 11/28/12 10:28 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**526000**	ug/L	500	5	12/05/12 16:15	12/11/12 17:22	7440-70-2	
Magnesium, Dissolved	**78600**	ug/L	250	5	12/05/12 16:15	12/11/12 17:22	7439-95-4	
Potassium, Dissolved	**20100**	ug/L	2500	5	12/05/12 16:15	12/11/12 17:22	7440-09-7	
Sodium, Dissolved	**57200**	ug/L	2500	5	12/05/12 16:15	12/11/12 17:22	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**22.5**	ug/L	4.0	1	12/11/12 09:23	12/21/12 04:26	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7440-36-0	
Arsenic	**17.0**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7440-38-2	
Barium	**33.9**	ug/L	0.30	1	12/11/12 09:23	12/21/12 04:26	7440-39-3	
Beryllium	**1.4**	ug/L	0.20	1	12/11/12 09:23	12/21/12 04:26	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 04:26	7440-43-9	
Calcium	**540000**	ug/L	1000	50	12/11/12 09:23	12/26/12 13:37	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7440-50-8	
Iron	**1820**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:26	7439-89-6	
Lead	**0.36**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:26	7439-92-1	
Magnesium	**81800**	ug/L	100	20	12/11/12 09:23	12/21/12 04:30	7439-95-4	
Manganese	**620**	ug/L	10.0	20	12/11/12 09:23	12/21/12 04:30	7439-96-5	
Molybdenum	**2.3**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7439-98-7	
Nickel	**1.1**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7440-02-0	
Potassium	**20000**	ug/L	20.0	1	12/11/12 09:23	12/21/12 04:26	7440-09-7	
Selenium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7782-49-2	
Silica	**103000**	ug/L	2680	50	12/11/12 09:23	12/26/12 13:37	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:26	7440-22-4	
Sodium	**55100**	ug/L	1000	20	12/11/12 09:23	12/21/12 04:30	7440-23-5	
Thallium	**0.62**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:26	7440-28-0	
Total Hardness by 2340B	**1680000**	ug/L	3550	50	12/11/12 09:23	12/26/12 13:37		
Vanadium	**0.55**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:26	7440-62-2	
Zinc	**7.1**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:26	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**4.4**	ug/L	4.0	1	12/11/12 09:11	12/13/12 22:24	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7440-36-0	
Arsenic, Dissolved	**14.4**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7440-38-2	
Barium, Dissolved	**31.1**	ug/L	0.30	1	12/11/12 09:11	12/13/12 22:24	7440-39-3	
Beryllium, Dissolved	**0.42**	ug/L	0.20	1	12/11/12 09:11	12/13/12 22:24	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 22:24	7440-43-9	
Calcium, Dissolved	**535000**	ug/L	1000	50	12/11/12 09:11	12/18/12 03:30	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7440-48-4	
Copper, Dissolved	**0.63**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/11/12 09:11	12/13/12 22:24	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:24	7439-92-1	
Magnesium, Dissolved	**73200**	ug/L	100	20	12/11/12 09:11	12/13/12 22:28	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5_POND_20121127 **Lab ID: 60134390056** Collected: 11/28/12 10:28 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**552**	ug/L	10.0	20	12/11/12 09:11	12/13/12 22:28	7439-96-5	
Molybdenum, Dissolved	**2.3**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7439-98-7	
Nickel, Dissolved	**1.7**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7440-02-0	
Potassium, Dissolved	**19400**	ug/L	20.0	1	12/11/12 09:11	12/13/12 22:24	7440-09-7	
Selenium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:24	7440-22-4	
Sodium, Dissolved	**53000**	ug/L	1000	20	12/11/12 09:11	12/13/12 22:28	7440-23-5	
Thallium, Dissolved	**0.56**	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:24	7440-28-0	
Vanadium, Dissolved	**0.44**	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:24	7440-62-2	
Zinc, Dissolved	ND	ug/L	5.0	1	12/11/12 09:11	12/13/12 22:24	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**14.8J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:58	7429-90-5	
Antimony, Dissolved	**0.29J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-36-0	B
Arsenic, Dissolved	**13.5**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-38-2	
Barium, Dissolved	**32.4**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-39-3	
Beryllium, Dissolved	**1.2**	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:46	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:58	7440-43-9	
Chromium, Dissolved	**0.67J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-47-3	
Cobalt, Dissolved	**0.26J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-48-4	
Copper, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-50-8	
Iron, Dissolved	**1760**	ug/L	50.0	1	12/05/12 00:00	12/10/12 14:58	7439-89-6	
Lead, Dissolved	**0.60J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7439-92-1	B
Manganese, Dissolved	**606**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7439-96-5	
Molybdenum, Dissolved	**2.4**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7439-98-7	
Nickel, Dissolved	**1.6**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7782-49-2	
Silver, Dissolved	**0.071J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 14:58	7440-22-4	B
Thallium, Dissolved	**0.97J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-28-0	B
Vanadium, Dissolved	**0.64J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 14:58	7440-62-2	
Zinc, Dissolved	**8.2J**	ug/L	10.0	1	12/05/12 00:00	12/10/12 14:58	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 07:40	12/13/12 10:23	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:40	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:52	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**2230**	umhos/cm	10.0	1		12/06/12 16:06		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**1430**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: EH-5_POND_20121127 **Lab ID: 60134390056** Collected: 11/28/12 10:28 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**1.1**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**594**	mg/L	20.0	1		12/06/12 12:21		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/06/12 12:21		
Alkalinity, Total as CaCO3	**594**	mg/L	20.0	1		12/06/12 12:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2050**	mg/L	5.0	1		12/05/12 14:56		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**29.0**	mg/L	5.0	1		12/05/12 10:25		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/05/12 00:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.5**	mg/L	1.0	1		12/06/12 03:20	16887-00-6	
Sulfate	**930**	mg/L	100	100		12/06/12 03:37	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:27		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.0050	1		12/07/12 15:39	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 14:50	7440-44-0	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: POND15_SEEP_20121127 **Lab ID: 60134390057** Collected: 11/27/12 11:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Potentially Diss. Metals	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Calcium, Dissolved	**83000**	ug/L	500	5	12/05/12 16:15	12/11/12 17:26	7440-70-2	
Magnesium, Dissolved	**9880**	ug/L	250	5	12/05/12 16:15	12/11/12 17:26	7439-95-4	
Potassium, Dissolved	**3020**	ug/L	2500	5	12/05/12 16:15	12/11/12 17:26	7440-09-7	
Sodium, Dissolved	**3250**	ug/L	2500	5	12/05/12 16:15	12/11/12 17:26	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	**9.3**	ug/L	4.0	1	12/11/12 09:23	12/21/12 04:34	7429-90-5	
Antimony	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7440-36-0	
Arsenic	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7440-38-2	
Barium	**60.9**	ug/L	0.30	1	12/11/12 09:23	12/21/12 04:34	7440-39-3	
Beryllium	ND	ug/L	0.20	1	12/11/12 09:23	12/21/12 04:34	7440-41-7	
Cadmium	ND	ug/L	0.080	1	12/11/12 09:23	12/21/12 04:34	7440-43-9	
Calcium	**87400**	ug/L	400	20	12/11/12 09:23	12/21/12 04:38	7440-70-2	
Chromium	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7440-47-3	
Cobalt	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7440-48-4	
Copper	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7440-50-8	
Iron	**112**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:34	7439-89-6	
Lead	**0.38**	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:34	7439-92-1	
Magnesium	**9820**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:34	7439-95-4	
Manganese	**70.8**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7439-96-5	
Molybdenum	**1.7**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7439-98-7	
Nickel	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7440-02-0	
Potassium	**3120**	ug/L	20.0	1	12/11/12 09:23	12/21/12 04:34	7440-09-7	
Selenium	**0.55**	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7782-49-2	
Silica	**7310**	ug/L	1070	20	12/11/12 09:23	12/21/12 04:38	7631-86-9	
Silver	ND	ug/L	0.50	1	12/11/12 09:23	12/21/12 04:34	7440-22-4	
Sodium	**3150**	ug/L	50.0	1	12/11/12 09:23	12/21/12 04:34	7440-23-5	
Thallium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:34	7440-28-0	
Total Hardness by 2340B	**259000**	ug/L	1420	20	12/11/12 09:23	12/21/12 04:38		
Vanadium	ND	ug/L	0.10	1	12/11/12 09:23	12/21/12 04:34	7440-62-2	
Zinc	**12.3**	ug/L	5.0	1	12/11/12 09:23	12/21/12 04:34	7440-66-6	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	ND	ug/L	4.0	1	12/11/12 09:11	12/13/12 22:43	7429-90-5	
Antimony, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7440-36-0	
Arsenic, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7440-38-2	
Barium, Dissolved	**58.4**	ug/L	0.30	1	12/11/12 09:11	12/13/12 22:43	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.20	1	12/11/12 09:11	12/13/12 22:43	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.080	1	12/11/12 09:11	12/13/12 22:43	7440-43-9	
Calcium, Dissolved	**76900**	ug/L	400	20	12/11/12 09:11	12/13/12 22:48	7440-70-2	
Chromium, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7440-47-3	
Cobalt, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7440-48-4	
Copper, Dissolved	**1.2**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	12/11/12 09:11	12/13/12 22:43	7439-89-6	
Lead, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:43	7439-92-1	
Magnesium, Dissolved	**9250**	ug/L	5.0	1	12/11/12 09:11	12/13/12 22:43	7439-95-4	

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: POND15_SEEP_20121127 **Lab ID: 60134390057** Collected: 11/27/12 11:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Manganese, Dissolved	**66.6**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7439-96-5	
Molybdenum, Dissolved	**1.7**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7439-98-7	
Nickel, Dissolved	**0.60**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7440-02-0	
Potassium, Dissolved	**3010**	ug/L	20.0	1	12/11/12 09:11	12/13/12 22:43	7440-09-7	
Selenium, Dissolved	**0.50**	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	1	12/11/12 09:11	12/13/12 22:43	7440-22-4	
Sodium, Dissolved	**3250**	ug/L	50.0	1	12/11/12 09:11	12/13/12 22:43	7440-23-5	
Thallium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:43	7440-28-0	
Vanadium, Dissolved	ND	ug/L	0.10	1	12/11/12 09:11	12/13/12 22:43	7440-62-2	
Zinc, Dissolved	**12.1**	ug/L	5.0	1	12/11/12 09:11	12/13/12 22:43	7440-66-6	
200.8 Potentially Diss. Metals	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum, Dissolved	**5.8J**	ug/L	50.0	1	12/05/12 00:00	12/10/12 15:02	7429-90-5	
Antimony, Dissolved	**0.093J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-36-0	B
Arsenic, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-38-2	
Barium, Dissolved	**55.9**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/11/12 11:48	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	1	12/05/12 00:00	12/10/12 15:02	7440-43-9	
Chromium, Dissolved	**0.67J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-48-4	
Copper, Dissolved	**0.54J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-50-8	
Iron, Dissolved	**115**	ug/L	50.0	1	12/05/12 00:00	12/10/12 15:02	7439-89-6	
Lead, Dissolved	**0.46J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7439-92-1	B
Manganese, Dissolved	**71.2**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7439-96-5	
Molybdenum, Dissolved	**1.7**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-02-0	
Selenium, Dissolved	**0.46J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7782-49-2	
Silver, Dissolved	**0.061J**	ug/L	0.50	1	12/05/12 00:00	12/10/12 15:02	7440-22-4	B
Thallium, Dissolved	**0.33J**	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-28-0	B
Vanadium, Dissolved	ND	ug/L	1.0	1	12/05/12 00:00	12/10/12 15:02	7440-62-2	
Zinc, Dissolved	**12.4**	ug/L	10.0	1	12/05/12 00:00	12/10/12 15:02	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	12/07/12 07:40	12/13/12 10:34	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/10/12 12:02	12/12/12 10:42	7439-97-6	
245.1 Potentially Diss Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	0.20	1	12/05/12 16:00	12/06/12 15:54	7439-97-6	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**497**	umhos/cm	10.0	1		12/06/12 16:09		
Salinity	Analytical Method: Calculated							
Salinity (as dissolved solids)	**318**	mg/L	6.0	1		12/07/12 14:16		

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ANALYTICAL RESULTS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Sample: POND15_SEEP_20121127 **Lab ID: 60134390057** Collected: 11/27/12 11:40 Received: 11/30/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Salinity	Analytical Method: Calculated							
Salinity (as seawater)	**0.24**	PSU	0.010	1		12/07/12 14:16		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**123**	mg/L	20.0	1		12/10/12 09:12		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		12/10/12 09:12		
Alkalinity, Total as CaCO3	**123**	mg/L	20.0	1		12/10/12 09:12		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**313**	mg/L	5.0	1		12/04/12 15:02		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		12/04/12 09:19		
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D							
Sulfide, Total	ND	mg/L	0.050	1		12/04/12 23:56	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.0**	mg/L	1.0	1		12/06/12 03:53	16887-00-6	
Sulfate	**136**	mg/L	10.0	10		12/06/12 15:53	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/12 16:28		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E							
Cyanide	**0.0061**	mg/L	0.0050	1		12/07/12 15:43	57-12-5	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/07/12 15:04	7440-44-0	

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Appendix D

Laboratory QC Results

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/7835 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012

METHOD BLANK: 1344824 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/11/12 11:08	

LABORATORY CONTROL SAMPLE: 1344825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344826 1344827

Parameter	Units	10213888002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.8	5.7	116	114	85-115	2	30	M1

MATRIX SPIKE SAMPLE: 1344828

Parameter	Units	60134390012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.6	91	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/7836 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032

METHOD BLANK: 1344829 Matrix: Water
Associated Lab Samples: 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/12/12 09:40	

LABORATORY CONTROL SAMPLE: 1344830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344831 1344832

Parameter	Units	60134390013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.5	4.0	91	80	85-115	13	30	M1

MATRIX SPIKE SAMPLE: 1344833

Parameter	Units	60134390032 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	2.9	58	85-115	M1

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/7837 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052

METHOD BLANK: 1344834 Matrix: Water
Associated Lab Samples: 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/12/12 10:57	

LABORATORY CONTROL SAMPLE: 1344835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344836 1344837

Parameter	Units	60134390033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.6	5.6	112	112	85-115	.7	30	

MATRIX SPIKE SAMPLE: 1344838

Parameter	Units	60134390052 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.6	91	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/7842 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1345231 Matrix: Water
Associated Lab Samples: 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/13/12 09:51	

LABORATORY CONTROL SAMPLE: 1345232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.4	109	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1345845 1345846

Parameter	Units	10214254001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.00020 mg/L	5	5	5.3	5.3	105	105	85-115	0	30	

MATRIX SPIKE SAMPLE: 1346047

Parameter	Units	10214407004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.00020 mg/L	5	5.8	115	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/7832 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury - Dissolved
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

METHOD BLANK: 1344809 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	12/12/12 11:06	

LABORATORY CONTROL SAMPLE: 1344810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	102	85-115	

MATRIX SPIKE SAMPLE: 1344813

Parameter	Units	60134390020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346959 1346960

Parameter	Units	60134390002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.8	4.8	95	96	85-115	.6	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/7833 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury - Dissolved
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

METHOD BLANK: 1344814 Matrix: Water
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	12/12/12 12:56	

LABORATORY CONTROL SAMPLE: 1344815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	85-115	

MATRIX SPIKE SAMPLE: 1344818

Parameter	Units	60134390040 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	5	5.3	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346957 1346958

Parameter	Units	60134390022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	5.6	5.5	113	111	85-115	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/7834 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury - Dissolved
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1344819 Matrix: Water
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	12/12/12 09:35	

LABORATORY CONTROL SAMPLE: 1344820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	95	85-115	

MATRIX SPIKE SAMPLE: 1344823

Parameter	Units	60134390057 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	5	5.2	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346955 1346956

Parameter	Units	60134390042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	5.2	4.8	103	95	85-115	8	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/6889 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury, Potentially Dissolved
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

METHOD BLANK: 1108877 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	12/07/12 12:51	

LABORATORY CONTROL SAMPLE: 1108878

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108879 1108880

Parameter	Units	60134390004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.9	4.8	97	95	70-130	2	20	

MATRIX SPIKE SAMPLE: 1108881

Parameter	Units	60134390014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	5	4.9	97	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/6890 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury, Potentially Dissolved
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

METHOD BLANK: 1108887 Matrix: Water
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	12/07/12 14:06	

LABORATORY CONTROL SAMPLE: 1108888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108889 1108890

Parameter	Units	60134390024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	5.0	4.7	98	94	70-130	5	20	

MATRIX SPIKE SAMPLE: 1108891

Parameter	Units	60134390034 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	5	5.3	106	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MERP/6891 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury, Potentially Dissolved
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1108896 Matrix: Water
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	12/06/12 14:54	

LABORATORY CONTROL SAMPLE: 1108897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108898 1108899

Parameter	Units	60134390044 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.7	4.9	93	97	70-130	4	20	

MATRIX SPIKE SAMPLE: 1108900

Parameter	Units	60134390054 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	5	4.5	90	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/20743 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Potentially Dissolved Metals
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

METHOD BLANK: 1109095 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium, Dissolved	ug/L	17.9J	100	12/11/12 09:59	
Magnesium, Dissolved	ug/L	ND	50.0	12/11/12 09:59	
Potassium, Dissolved	ug/L	ND	500	12/11/12 09:59	
Sodium, Dissolved	ug/L	ND	500	12/11/12 09:59	

LABORATORY CONTROL SAMPLE: 1109096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	10000	9560	96	85-115	
Magnesium, Dissolved	ug/L	10000	9840	98	85-115	
Potassium, Dissolved	ug/L	10000	9590	96	85-115	
Sodium, Dissolved	ug/L	10000	10100	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1109097 1109098

Parameter	Units	60134390002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium, Dissolved	ug/L	80400	10000	10000	94200	88300	138	79	70-130	6	20	M1
Magnesium, Dissolved	ug/L	10100	10000	10000	20700	19600	106	95	70-130	5	20	
Potassium, Dissolved	ug/L	1190	10000	10000	10600	10400	94	92	70-130	2	20	
Sodium, Dissolved	ug/L	3880	10000	10000	14400	13700	105	98	70-130	5	20	

MATRIX SPIKE SAMPLE: 1109099

Parameter	Units	60134390012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	51200	10000	60300	90	70-130	
Magnesium, Dissolved	ug/L	6630	10000	16500	99	70-130	
Potassium, Dissolved	ug/L	590	10000	10000	94	70-130	
Sodium, Dissolved	ug/L	2400	10000	12100	97	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/20744 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Potentially Dissolved Metals
Associated Lab Samples: 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038

METHOD BLANK: 1109100 Matrix: Water
Associated Lab Samples: 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium, Dissolved	ug/L	34.5J	100	12/11/12 12:01	
Magnesium, Dissolved	ug/L	ND	50.0	12/11/12 12:01	
Potassium, Dissolved	ug/L	ND	500	12/11/12 12:01	
Sodium, Dissolved	ug/L	ND	500	12/11/12 12:01	

LABORATORY CONTROL SAMPLE: 1109101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	10000	9380	94	85-115	
Magnesium, Dissolved	ug/L	10000	9910	99	85-115	
Potassium, Dissolved	ug/L	10000	9460	95	85-115	
Sodium, Dissolved	ug/L	10000	9920	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1109102 1109103

Parameter	Units	60134390022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium, Dissolved	ug/L	210000	10000	10000	224000	230000	146	204	70-130	3	20	M1
Magnesium, Dissolved	ug/L	19800	10000	10000	29900	30700	100	109	70-130	3	20	
Potassium, Dissolved	ug/L	1610	10000	10000	10800	11300	92	97	70-130	4	20	
Sodium, Dissolved	ug/L	9660	10000	10000	19700	20200	101	106	70-130	3	20	

MATRIX SPIKE SAMPLE: 1109104

Parameter	Units	60134390032 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	273000	10000	273000	4	70-130	M1
Magnesium, Dissolved	ug/L	28200	10000	37200	89	70-130	
Potassium, Dissolved	ug/L	3000	10000	12300	93	70-130	
Sodium, Dissolved	ug/L	14200	10000	23800	96	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/20745 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Potentially Dissolved Metals
Associated Lab Samples: 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1109105 Matrix: Water
Associated Lab Samples: 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium, Dissolved	ug/L	17.4J	100	12/11/12 15:50	
Magnesium, Dissolved	ug/L	ND	50.0	12/11/12 15:50	
Potassium, Dissolved	ug/L	ND	500	12/11/12 15:50	
Sodium, Dissolved	ug/L	32.3J	500	12/11/12 15:50	

LABORATORY CONTROL SAMPLE: 1109106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	10000	10100	101	85-115	
Magnesium, Dissolved	ug/L	10000	10200	102	85-115	
Potassium, Dissolved	ug/L	10000	9920	99	85-115	
Sodium, Dissolved	ug/L	10000	10200	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1109107 1109108

Parameter	Units	60134390042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium, Dissolved	ug/L	106000	10000	10000	112000	119000	60	126	70-130	6	20	M1
Magnesium, Dissolved	ug/L	13300	10000	10000	23000	24200	97	108	70-130	5	20	
Potassium, Dissolved	ug/L	2930	10000	10000	12700	13100	98	102	70-130	3	20	
Sodium, Dissolved	ug/L	6560	10000	10000	16400	17200	99	106	70-130	4	20	

MATRIX SPIKE SAMPLE: 1109109

Parameter	Units	60134390052 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	360000	10000	367000	68	70-130	M1
Magnesium, Dissolved	ug/L	34600	10000	44000	94	70-130	
Potassium, Dissolved	ug/L	8920	10000	18600	96	70-130	
Sodium, Dissolved	ug/L	24300	10000	34600	103	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/36738 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

METHOD BLANK: 1344859 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	4.0	12/11/12 05:38	
Antimony	ug/L	ND	0.50	12/11/12 05:38	
Arsenic	ug/L	ND	0.50	12/11/12 05:38	
Barium	ug/L	ND	0.30	12/11/12 05:38	
Beryllium	ug/L	ND	0.20	12/11/12 05:38	
Cadmium	ug/L	ND	0.080	12/11/12 05:38	
Calcium	ug/L	ND	20.0	12/11/12 05:38	
Chromium	ug/L	ND	0.50	12/11/12 05:38	
Cobalt	ug/L	ND	0.50	12/11/12 05:38	
Copper	ug/L	ND	0.50	12/11/12 05:38	
Iron	ug/L	ND	50.0	12/11/12 05:38	
Lead	ug/L	ND	0.10	12/11/12 05:38	
Magnesium	ug/L	ND	5.0	12/11/12 05:38	
Manganese	ug/L	ND	0.50	12/11/12 05:38	
Molybdenum	ug/L	ND	0.50	12/11/12 05:38	
Nickel	ug/L	ND	0.50	12/11/12 05:38	
Potassium	ug/L	ND	20.0	12/11/12 05:38	
Selenium	ug/L	ND	0.50	12/11/12 05:38	
Silica	ug/L	ND	53.5	12/11/12 05:38	
Silver	ug/L	ND	0.50	12/11/12 05:38	
Sodium	ug/L	ND	50.0	12/11/12 05:38	
Thallium	ug/L	ND	0.10	12/11/12 05:38	
Total Hardness by 2340B	ug/L	ND	71.0	12/11/12 05:38	
Vanadium	ug/L	ND	0.10	12/11/12 05:38	
Zinc	ug/L	ND	5.0	12/11/12 05:38	

LABORATORY CONTROL SAMPLE: 1344860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	80	76.3	95	85-115	
Antimony	ug/L	80	76.6	96	85-115	
Arsenic	ug/L	80	77.0	96	85-115	
Barium	ug/L	80	77.1	96	85-115	
Beryllium	ug/L	80	78.0	97	85-115	
Cadmium	ug/L	80	77.7	97	85-115	
Calcium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	80	78.0	98	85-115	
Cobalt	ug/L	80	77.4	97	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1344860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	80	79.8	100	85-115	
Iron	ug/L	1000	982	98	85-115	
Lead	ug/L	80	77.5	97	85-115	
Magnesium	ug/L	1000	970	97	85-115	
Manganese	ug/L	80	76.1	95	85-115	
Molybdenum	ug/L	80	72.5	91	85-115	
Nickel	ug/L	80	78.8	99	85-115	
Potassium	ug/L	1000	952	95	85-115	
Selenium	ug/L	80	77.1	96	85-115	
Silica	ug/L	2140	2070	97	85-115	
Silver	ug/L	80	89.4	112	85-115	
Sodium	ug/L	1000	922	92	85-115	
Thallium	ug/L	80	77.9	97	85-115	
Total Hardness by 2340B	ug/L	6620	6530	99	85-115	
Vanadium	ug/L	80	75.5	94	85-115	
Zinc	ug/L	80	77.2	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344861 1344862

Parameter	Units	60134390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	12.1	80	80	93.7	94.6	102	103	70-130	1	20	
Antimony	ug/L	ND	80	80	74.2	72.4	93	90	70-130	2	20	
Arsenic	ug/L	ND	80	80	75.0	74.7	94	93	70-130	.3	20	
Barium	ug/L	71.8	80	80	144	142	90	87	70-130	1	20	
Beryllium	ug/L	ND	80	80	75.3	74.3	94	93	70-130	1	20	
Cadmium	ug/L	ND	80	80	75.7	75.7	95	95	70-130	.1	20	
Calcium	ug/L	58400	1000	1000	59700	58300	134	-8	70-130	2	20	M6
Chromium	ug/L	0.66	80	80	76.4	75.2	95	93	70-130	2	20	
Cobalt	ug/L	ND	80	80	74.9	74.1	94	93	70-130	1	20	
Copper	ug/L	ND	80	80	75.1	76.2	93	95	70-130	1	20	
Iron	ug/L	ND	1000	1000	978	976	94	94	70-130	.1	20	
Lead	ug/L	0.10	80	80	74.4	75.1	93	94	70-130	.9	20	
Magnesium	ug/L	7680	1000	1000	8650	8700	96	102	70-130	.7	20	
Manganese	ug/L	20.7	80	80	96.6	95.5	95	93	70-130	1	20	
Molybdenum	ug/L	0.99	80	80	74.4	74.6	92	92	70-130	.2	20	
Nickel	ug/L	ND	80	80	75.5	77.6	94	97	70-130	3	20	
Potassium	ug/L	724	1000	1000	1680	1670	96	94	70-130	1	20	
Selenium	ug/L	ND	80	80	71.2	67.9	89	85	70-130	5	20	
Silica	ug/L	6830	2140	2140	8870	8770	95	90	70-130	1	20	
Silver	ug/L	ND	80	80	79.9	80.0	100	100	70-130	.1	20	
Sodium	ug/L	2910	1000	1000	3830	3770	92	85	70-130	2	20	
Thallium	ug/L	ND	80	80	77.9	78.6	97	98	70-130	.8	20	
Total Hardness by 2340B	ug/L	177000	6620	6620	185000	181000	111	61	70-130	2	20	M1
Vanadium	ug/L	ND	80	80	73.9	74.5	92	93	70-130	.9	20	
Zinc	ug/L	ND	80	80	80.4	82.1	97	99	70-130	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/36739 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

METHOD BLANK: 1344863 Matrix: Water
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	4.0	12/26/12 14:01	
Antimony	ug/L	ND	0.50	12/26/12 14:01	
Arsenic	ug/L	ND	0.50	12/26/12 14:01	
Barium	ug/L	ND	0.30	12/27/12 10:30	
Beryllium	ug/L	ND	0.20	12/26/12 14:01	
Cadmium	ug/L	ND	0.080	12/26/12 14:01	
Calcium	ug/L	ND	20.0	12/26/12 14:01	
Chromium	ug/L	ND	0.50	12/26/12 14:01	
Cobalt	ug/L	ND	0.50	12/26/12 14:01	
Copper	ug/L	ND	0.50	12/26/12 14:01	
Iron	ug/L	ND	50.0	12/26/12 14:01	
Lead	ug/L	ND	0.10	12/26/12 14:01	
Magnesium	ug/L	ND	5.0	12/26/12 14:01	
Manganese	ug/L	ND	0.50	12/26/12 14:01	
Molybdenum	ug/L	ND	0.50	12/26/12 14:01	
Nickel	ug/L	ND	0.50	12/26/12 14:01	
Potassium	ug/L	ND	20.0	12/26/12 14:01	
Selenium	ug/L	ND	0.50	12/26/12 14:01	
Silica	ug/L	ND	53.5	12/27/12 10:30	
Silver	ug/L	ND	0.50	12/26/12 14:01	
Sodium	ug/L	ND	50.0	12/26/12 14:01	
Thallium	ug/L	ND	0.10	12/26/12 14:01	
Total Hardness by 2340B	ug/L	ND	71.0	12/26/12 14:01	
Vanadium	ug/L	ND	0.10	12/26/12 14:01	
Zinc	ug/L	ND	5.0	12/26/12 14:01	

LABORATORY CONTROL SAMPLE: 1344864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	80	88.0	110	85-115	
Antimony	ug/L	80	80.6	101	85-115	
Arsenic	ug/L	80	83.8	105	85-115	
Barium	ug/L	80	80.7	101	85-115	
Beryllium	ug/L	80	85.7	107	85-115	
Cadmium	ug/L	80	84.4	106	85-115	
Calcium	ug/L	1000	1100	110	85-115	
Chromium	ug/L	80	82.1	103	85-115	
Cobalt	ug/L	80	87.7	110	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1344864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	80	88.4	110	85-115	
Iron	ug/L	1000	1040	104	85-115	
Lead	ug/L	80	85.7	107	85-115	
Magnesium	ug/L	1000	1050	105	85-115	
Manganese	ug/L	80	80.2	100	85-115	
Molybdenum	ug/L	80	83.2	104	85-115	
Nickel	ug/L	80	87.6	109	85-115	
Potassium	ug/L	1000	1080	108	85-115	
Selenium	ug/L	80	81.3	102	85-115	
Silica	ug/L	2140	2170	101	85-115	
Silver	ug/L	80	86.6	108	85-115	
Sodium	ug/L	1000	1020	102	85-115	
Thallium	ug/L	80	86.1	108	85-115	
Total Hardness by 2340B	ug/L	6620	7070	107	85-115	
Vanadium	ug/L	80	81.2	102	85-115	
Zinc	ug/L	80	82.6	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344865 1344866

Parameter	Units	60134390021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	18700	80	80	19900	19900	1460	1460	70-130	0	20	M6
Antimony	ug/L	0.75	80	80	63.0	63.1	78	78	70-130	.3	20	
Arsenic	ug/L	18.2	80	80	97.0	96.3	99	98	70-130	.7	20	
Barium	ug/L	213	80	80	272	274	73	76	70-130	.7	20	
Beryllium	ug/L	1.3	80	80	77.8	80.6	96	99	70-130	4	20	
Cadmium	ug/L	2.4	80	80	80.3	82.0	97	100	70-130	2	20	
Calcium	ug/L	256000	1000	1000	247000	242000	-850	-1320	70-130	2	20	E,M6
Chromium	ug/L	18.8	80	80	95.6	94.8	96	95	70-130	.8	20	
Cobalt	ug/L	10.7	80	80	91.3	92.0	101	102	70-130	.8	20	
Copper	ug/L	74.9	80	80	155	155	100	100	70-130	.2	20	
Iron	ug/L	22900	1000	1000	22900	22900	-3	0	70-130	.1	20	M6
Lead	ug/L	154	80	80	240	238	107	105	70-130	.7	20	
Magnesium	ug/L	28700	1000	1000	29000	28600	32	-2	70-130	1	20	M6
Manganese	ug/L	1090	80	80	1130	1120	53	36	70-130	1	20	M6
Molybdenum	ug/L	9.9	80	80	85.3	84.1	94	93	70-130	1	20	
Nickel	ug/L	14.4	80	80	92.8	92.7	98	98	70-130	.2	20	
Potassium	ug/L	11200	1000	1000	10500	10400	-66	-74	70-130	.8	20	M6
Selenium	ug/L	17.3	80	80	92.1	93.9	93	96	70-130	2	20	
Silica	ug/L	77100	2140	2140	81600	80800	210	172	70-130	1	20	M1
Silver	ug/L	1.9	80	80	79.7	80.9	97	99	70-130	2	20	
Sodium	ug/L	11400	1000	1000	11400	11400	-1	-4	70-130	.3	20	M6
Thallium	ug/L	0.53	80	80	79.2	79.4	98	99	70-130	.3	20	
Total Hardness by 2340B	ug/L	756000	6620	6620	736000	723000	-301	-500	70-130	2	20	M1
Vanadium	ug/L	27.0	80	80	104	104	96	96	70-130	.1	20	
Zinc	ug/L	402	80	80	469	460	83	72	70-130	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/36740 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1344867 Matrix: Water
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	4.0	12/26/12 13:19	
Antimony	ug/L	ND	0.50	12/26/12 13:19	
Arsenic	ug/L	ND	0.50	12/26/12 13:19	
Barium	ug/L	ND	0.30	12/26/12 13:19	
Beryllium	ug/L	ND	0.20	12/26/12 13:19	
Cadmium	ug/L	ND	0.080	12/26/12 13:19	
Calcium	ug/L	ND	20.0	12/26/12 13:19	
Chromium	ug/L	ND	0.50	12/26/12 13:19	
Cobalt	ug/L	ND	0.50	12/26/12 13:19	
Copper	ug/L	ND	0.50	12/26/12 13:19	
Iron	ug/L	ND	50.0	12/26/12 13:19	
Lead	ug/L	ND	0.10	12/26/12 13:19	
Magnesium	ug/L	ND	5.0	12/26/12 13:19	
Manganese	ug/L	ND	0.50	12/26/12 13:19	
Molybdenum	ug/L	ND	0.50	12/26/12 13:19	
Nickel	ug/L	ND	0.50	12/26/12 13:19	
Potassium	ug/L	ND	20.0	12/26/12 13:19	
Selenium	ug/L	ND	0.50	12/26/12 13:19	
Silica	ug/L	ND	53.5	12/26/12 13:19	
Silver	ug/L	ND	0.50	12/26/12 13:19	
Sodium	ug/L	ND	50.0	12/26/12 13:19	
Thallium	ug/L	ND	0.10	12/26/12 13:19	
Total Hardness by 2340B	ug/L	ND	71.0	12/26/12 13:19	
Vanadium	ug/L	ND	0.10	12/26/12 13:19	
Zinc	ug/L	ND	5.0	12/26/12 13:19	

LABORATORY CONTROL SAMPLE: 1344868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	80	86.3	108	85-115	
Antimony	ug/L	80	85.2	107	85-115	
Arsenic	ug/L	80	85.3	107	85-115	
Barium	ug/L	80	82.7	103	85-115	
Beryllium	ug/L	80	86.8	108	85-115	
Cadmium	ug/L	80	86.5	108	85-115	
Calcium	ug/L	1000	1040	104	85-115	
Chromium	ug/L	80	83.3	104	85-115	
Cobalt	ug/L	80	80.4	101	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1344868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	80	83.6	105	85-115	
Iron	ug/L	1000	1070	107	85-115	
Lead	ug/L	80	83.5	104	85-115	
Magnesium	ug/L	1000	1080	108	85-115	
Manganese	ug/L	80	82.6	103	85-115	
Molybdenum	ug/L	80	83.6	104	85-115	
Nickel	ug/L	80	81.7	102	85-115	
Potassium	ug/L	1000	1030	103	85-115	
Selenium	ug/L	80	81.3	102	85-115	
Silica	ug/L	2140	2310	108	85-115	
Silver	ug/L	80	86.9	109	85-115	
Sodium	ug/L	1000	993	99	85-115	
Thallium	ug/L	80	84.4	106	85-115	
Total Hardness by 2340B	ug/L	6620	7040	106	85-115	
Vanadium	ug/L	80	83.9	105	85-115	
Zinc	ug/L	80	83.5	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344869 1344870

Parameter	Units	60134390041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	30.9	80	80	153	161	152	162	70-130	5	20	M6
Antimony	ug/L	ND	80	80	84.1	85.0	105	106	70-130	1	20	
Arsenic	ug/L	ND	80	80	87.3	84.7	109	105	70-130	3	20	
Barium	ug/L	69.9	80	80	153	151	104	101	70-130	1	20	
Beryllium	ug/L	ND	80	80	87.6	82.4	110	103	70-130	6	20	
Cadmium	ug/L	ND	80	80	83.2	86.0	104	108	70-130	3	20	
Calcium	ug/L	75200	1000	1000	78400	79000	319	375	70-130	.7	20	M6
Chromium	ug/L	ND	80	80	83.4	84.1	104	105	70-130	.8	20	
Cobalt	ug/L	ND	80	80	82.5	80.7	103	101	70-130	2	20	
Copper	ug/L	ND	80	80	83.8	83.1	104	103	70-130	.9	20	
Iron	ug/L	117	1000	1000	1160	1180	104	106	70-130	2	20	
Lead	ug/L	0.11	80	80	83.5	83.1	104	104	70-130	.5	20	
Magnesium	ug/L	9860	1000	1000	11200	11400	134	156	70-130	2	20	M6
Manganese	ug/L	207	80	80	298	298	114	114	70-130	.2	20	
Molybdenum	ug/L	1.2	80	80	84.5	83.8	104	103	70-130	.8	20	
Nickel	ug/L	0.56	80	80	80.9	82.2	100	102	70-130	2	20	
Potassium	ug/L	1210	1000	1000	2280	2300	107	109	70-130	1	20	
Selenium	ug/L	ND	80	80	82.7	82.2	103	103	70-130	.6	20	
Silica	ug/L	8570	2140	2140	11300	11500	127	138	70-130	2	20	M1
Silver	ug/L	ND	80	80	84.2	84.8	105	106	70-130	.8	20	
Sodium	ug/L	3990	1000	1000	5050	5130	106	115	70-130	2	20	
Thallium	ug/L	ND	80	80	84.4	84.2	105	105	70-130	.2	20	
Total Hardness by 2340B	ug/L	228000	6620	6620	242000	244000	204	239	70-130	.9	20	M1
Vanadium	ug/L	0.13	80	80	82.4	82.8	103	103	70-130	.5	20	
Zinc	ug/L	7.3	80	80	92.8	91.2	107	105	70-130	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/36741 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET Dissolved
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

METHOD BLANK: 1344871 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	4.0	12/14/12 02:19	
Antimony, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Arsenic, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Barium, Dissolved	ug/L	ND	0.30	12/14/12 02:19	
Beryllium, Dissolved	ug/L	ND	0.20	12/14/12 02:19	
Cadmium, Dissolved	ug/L	ND	0.080	12/14/12 02:19	
Calcium, Dissolved	ug/L	ND	20.0	12/14/12 02:19	
Chromium, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Cobalt, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Copper, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Iron, Dissolved	ug/L	ND	50.0	12/14/12 02:19	
Lead, Dissolved	ug/L	ND	0.10	12/14/12 02:19	
Magnesium, Dissolved	ug/L	ND	5.0	12/14/12 02:19	
Manganese, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Molybdenum, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Nickel, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Potassium, Dissolved	ug/L	ND	20.0	12/14/12 02:19	
Selenium, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Silver, Dissolved	ug/L	ND	0.50	12/14/12 02:19	
Sodium, Dissolved	ug/L	ND	50.0	12/14/12 02:19	
Thallium, Dissolved	ug/L	ND	0.10	12/14/12 02:19	
Vanadium, Dissolved	ug/L	ND	0.10	12/14/12 02:19	
Zinc, Dissolved	ug/L	ND	5.0	12/14/12 02:19	

LABORATORY CONTROL SAMPLE: 1344872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	80	79.0	99	85-115	
Antimony, Dissolved	ug/L	80	79.4	99	85-115	
Arsenic, Dissolved	ug/L	80	78.4	98	85-115	
Barium, Dissolved	ug/L	80	76.9	96	85-115	
Beryllium, Dissolved	ug/L	80	79.1	99	85-115	
Cadmium, Dissolved	ug/L	80	82.5	103	85-115	
Calcium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	80	80.0	100	85-115	
Cobalt, Dissolved	ug/L	80	83.2	104	85-115	
Copper, Dissolved	ug/L	80	87.3	109	85-115	
Iron, Dissolved	ug/L	1000	1090	109	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1344872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	80	83.0	104	85-115	
Magnesium, Dissolved	ug/L	1000	1010	101	85-115	
Manganese, Dissolved	ug/L	80	79.1	99	85-115	
Molybdenum, Dissolved	ug/L	80	76.8	96	85-115	
Nickel, Dissolved	ug/L	80	80.1	100	85-115	
Potassium, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	80	78.9	99	85-115	
Silver, Dissolved	ug/L	80	82.0	102	85-115	
Sodium, Dissolved	ug/L	1000	1010	101	85-115	
Thallium, Dissolved	ug/L	80	84.3	105	85-115	
Vanadium, Dissolved	ug/L	80	79.4	99	85-115	
Zinc, Dissolved	ug/L	80	80.2	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344873 1344874

Parameter	Units	60134390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	5.8	80	80	63.4	63.5	72	72	70-130	.08	20	
Antimony, Dissolved	ug/L	ND	80	80	71.8	72.1	90	90	70-130	.4	20	
Arsenic, Dissolved	ug/L	ND	80	80	73.0	73.0	91	91	70-130	0	20	
Barium, Dissolved	ug/L	75.6	80	80	134	135	74	74	70-130	.5	20	
Beryllium, Dissolved	ug/L	ND	80	80	72.0	69.7	90	87	70-130	3	20	
Cadmium, Dissolved	ug/L	ND	80	80	73.4	73.9	92	92	70-130	.7	20	
Calcium, Dissolved	ug/L	55300	1000	1000	54800	55300	-45	0	70-130	.8	20	M1
Chromium, Dissolved	ug/L	ND	80	80	73.0	72.7	91	90	70-130	.5	20	
Cobalt, Dissolved	ug/L	ND	80	80	75.2	74.8	94	93	70-130	.5	20	
Copper, Dissolved	ug/L	0.69	80	80	107	85.0	132	105	70-130	23	20	D6,M6
Iron, Dissolved	ug/L	ND	1000	1000	909	909	90	90	70-130	0	20	
Lead, Dissolved	ug/L	ND	80	80	74.8	74.4	93	93	70-130	.7	20	
Magnesium, Dissolved	ug/L	8320	1000	1000	8500	8480	18	17	70-130	.2	20	M1
Manganese, Dissolved	ug/L	20.2	80	80	88.3	88.8	85	86	70-130	.5	20	
Molybdenum, Dissolved	ug/L	1.1	80	80	70.4	70.1	87	86	70-130	.4	20	
Nickel, Dissolved	ug/L	0.90	80	80	74.1	72.4	91	89	70-130	2	20	
Potassium, Dissolved	ug/L	786	1000	1000	1670	1660	88	88	70-130	.1	20	
Selenium, Dissolved	ug/L	0.55	80	80	75.2	72.0	93	89	70-130	4	20	
Silver, Dissolved	ug/L	ND	80	80	73.4	72.6	92	91	70-130	1	20	
Sodium, Dissolved	ug/L	3180	1000	1000	3750	3750	57	58	70-130	.1	20	M1
Thallium, Dissolved	ug/L	ND	80	80	76.9	76.4	96	96	70-130	.6	20	
Vanadium, Dissolved	ug/L	ND	80	80	70.9	72.2	89	90	70-130	2	20	
Zinc, Dissolved	ug/L	5.5	80	80	74.8	75.0	87	87	70-130	.1	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/36742 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET Dissolved
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

METHOD BLANK: 1344875 Matrix: Water
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	4.0	12/13/12 02:42	
Antimony, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Arsenic, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Barium, Dissolved	ug/L	ND	0.30	12/13/12 02:42	
Beryllium, Dissolved	ug/L	ND	0.20	12/13/12 02:42	
Cadmium, Dissolved	ug/L	ND	0.080	12/13/12 02:42	
Calcium, Dissolved	ug/L	ND	20.0	12/13/12 02:42	
Chromium, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Cobalt, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Copper, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Iron, Dissolved	ug/L	ND	50.0	12/13/12 02:42	
Lead, Dissolved	ug/L	ND	0.10	12/13/12 02:42	
Magnesium, Dissolved	ug/L	ND	5.0	12/13/12 02:42	
Manganese, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Molybdenum, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Nickel, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Potassium, Dissolved	ug/L	ND	20.0	12/13/12 02:42	
Selenium, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Silver, Dissolved	ug/L	ND	0.50	12/13/12 02:42	
Sodium, Dissolved	ug/L	ND	50.0	12/13/12 02:42	
Thallium, Dissolved	ug/L	ND	0.10	12/13/12 02:42	
Vanadium, Dissolved	ug/L	ND	0.10	12/13/12 02:42	
Zinc, Dissolved	ug/L	ND	5.0	12/13/12 02:42	

LABORATORY CONTROL SAMPLE: 1344876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	80	86.5	108	85-115	
Antimony, Dissolved	ug/L	80	77.8	97	85-115	
Arsenic, Dissolved	ug/L	80	79.0	99	85-115	
Barium, Dissolved	ug/L	80	79.1	99	85-115	
Beryllium, Dissolved	ug/L	80	82.4	103	85-115	
Cadmium, Dissolved	ug/L	80	79.9	100	85-115	
Calcium, Dissolved	ug/L	1000	1020	102	85-115	
Chromium, Dissolved	ug/L	80	79.2	99	85-115	
Cobalt, Dissolved	ug/L	80	78.8	98	85-115	
Copper, Dissolved	ug/L	80	81.0	101	85-115	
Iron, Dissolved	ug/L	1000	990	99	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1344876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	80	79.8	100	85-115	
Magnesium, Dissolved	ug/L	1000	990	99	85-115	
Manganese, Dissolved	ug/L	80	78.6	98	85-115	
Molybdenum, Dissolved	ug/L	80	73.4	92	85-115	
Nickel, Dissolved	ug/L	80	79.9	100	85-115	
Potassium, Dissolved	ug/L	1000	988	99	85-115	
Selenium, Dissolved	ug/L	80	78.8	98	85-115	
Silver, Dissolved	ug/L	80	90.6	113	85-115	
Sodium, Dissolved	ug/L	1000	971	97	85-115	
Thallium, Dissolved	ug/L	80	80.0	100	85-115	
Vanadium, Dissolved	ug/L	80	77.2	97	85-115	
Zinc, Dissolved	ug/L	80	78.5	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344877 1344878

Parameter	Units	60134390021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	487	80	80	1030	1120	676	790	70-130	8	20	M6
Antimony, Dissolved	ug/L	ND	80	80	79.8	78.6	100	98	70-130	1	20	
Arsenic, Dissolved	ug/L	0.62	80	80	82.3	80.2	102	99	70-130	3	20	
Barium, Dissolved	ug/L	26.0	80	80	114	109	110	104	70-130	4	20	
Beryllium, Dissolved	ug/L	ND	80	80	86.3	82.8	108	103	70-130	4	20	
Cadmium, Dissolved	ug/L	0.50	80	80	84.2	80.4	105	100	70-130	5	20	
Calcium, Dissolved	ug/L	238000	1000	1000	246000	237000	710	-180	70-130	4	20	E,M6
Chromium, Dissolved	ug/L	0.75	80	80	82.6	79.3	102	98	70-130	4	20	
Cobalt, Dissolved	ug/L	ND	80	80	83.9	79.2	104	98	70-130	6	20	
Copper, Dissolved	ug/L	2.9	80	80	89.2	85.0	108	103	70-130	5	20	
Iron, Dissolved	ug/L	719	1000	1000	2060	2040	134	132	70-130	.9	20	M6
Lead, Dissolved	ug/L	5.5	80	80	88.0	85.2	103	100	70-130	3	20	
Magnesium, Dissolved	ug/L	19800	1000	1000	22800	22200	294	240	70-130	2	20	M6
Manganese, Dissolved	ug/L	43.9	80	80	129	126	107	102	70-130	3	20	
Molybdenum, Dissolved	ug/L	6.4	80	80	86.5	83.1	100	96	70-130	4	20	
Nickel, Dissolved	ug/L	1.0	80	80	85.9	80.6	106	99	70-130	6	20	
Potassium, Dissolved	ug/L	5220	1000	1000	6730	6560	150	134	70-130	2	20	M6
Selenium, Dissolved	ug/L	11.9	80	80	91.8	89.2	100	97	70-130	3	20	
Silver, Dissolved	ug/L	ND	80	80	85.3	84.7	107	106	70-130	.7	20	
Sodium, Dissolved	ug/L	10200	1000	1000	11900	11500	174	135	70-130	3	20	M6
Thallium, Dissolved	ug/L	ND	80	80	81.9	78.6	102	98	70-130	4	20	
Vanadium, Dissolved	ug/L	0.77	80	80	83.9	79.7	104	99	70-130	5	20	
Zinc, Dissolved	ug/L	91.1	80	80	185	180	117	111	70-130	3	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/36743 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET Dissolved
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1344879 Matrix: Water
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	4.0	12/13/12 19:08	
Antimony, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Arsenic, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Barium, Dissolved	ug/L	ND	0.30	12/13/12 19:08	
Beryllium, Dissolved	ug/L	ND	0.20	12/13/12 19:08	
Cadmium, Dissolved	ug/L	ND	0.080	12/13/12 19:08	
Calcium, Dissolved	ug/L	ND	20.0	12/13/12 19:08	
Chromium, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Cobalt, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Copper, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Iron, Dissolved	ug/L	ND	50.0	12/13/12 19:08	
Lead, Dissolved	ug/L	ND	0.10	12/13/12 19:08	
Magnesium, Dissolved	ug/L	ND	5.0	12/13/12 19:08	
Manganese, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Molybdenum, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Nickel, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Potassium, Dissolved	ug/L	ND	20.0	12/13/12 19:08	
Selenium, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Silver, Dissolved	ug/L	ND	0.50	12/13/12 19:08	
Sodium, Dissolved	ug/L	ND	50.0	12/13/12 19:08	
Thallium, Dissolved	ug/L	ND	0.10	12/13/12 19:08	
Vanadium, Dissolved	ug/L	ND	0.10	12/13/12 19:08	
Zinc, Dissolved	ug/L	ND	5.0	12/13/12 19:08	

LABORATORY CONTROL SAMPLE: 1344880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	80	76.5	96	85-115	
Antimony, Dissolved	ug/L	80	77.5	97	85-115	
Arsenic, Dissolved	ug/L	80	77.1	96	85-115	
Barium, Dissolved	ug/L	80	77.8	97	85-115	
Beryllium, Dissolved	ug/L	80	77.6	97	85-115	
Cadmium, Dissolved	ug/L	80	79.5	99	85-115	
Calcium, Dissolved	ug/L	1000	1000	100	85-115	
Chromium, Dissolved	ug/L	80	79.3	99	85-115	
Cobalt, Dissolved	ug/L	80	77.2	96	85-115	
Copper, Dissolved	ug/L	80	80.3	100	85-115	
Iron, Dissolved	ug/L	1000	983	98	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1344880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	80	77.1	96	85-115	
Magnesium, Dissolved	ug/L	1000	964	96	85-115	
Manganese, Dissolved	ug/L	80	77.5	97	85-115	
Molybdenum, Dissolved	ug/L	80	76.7	96	85-115	
Nickel, Dissolved	ug/L	80	80.1	100	85-115	
Potassium, Dissolved	ug/L	1000	954	95	85-115	
Selenium, Dissolved	ug/L	80	73.6	92	85-115	
Silver, Dissolved	ug/L	80	81.1	101	85-115	
Sodium, Dissolved	ug/L	1000	969	97	85-115	
Thallium, Dissolved	ug/L	80	76.2	95	85-115	
Vanadium, Dissolved	ug/L	80	77.8	97	85-115	
Zinc, Dissolved	ug/L	80	76.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344881 1344882

Parameter	Units	60134390041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	ND	80	80	90.8	101	109	122	70-130	10	20	
Antimony, Dissolved	ug/L	ND	80	80	79.4	82.3	99	103	70-130	4	20	
Arsenic, Dissolved	ug/L	ND	80	80	80.5	81.9	100	102	70-130	2	20	
Barium, Dissolved	ug/L	69.7	80	80	149	151	99	102	70-130	2	20	
Beryllium, Dissolved	ug/L	ND	80	80	82.2	82.5	103	103	70-130	.4	20	
Cadmium, Dissolved	ug/L	ND	80	80	83.2	85.5	104	107	70-130	3	20	
Calcium, Dissolved	ug/L	74400	1000	1000	73200	74800	-120	30	70-130	2	20	M6
Chromium, Dissolved	ug/L	ND	80	80	81.6	83.7	102	104	70-130	3	20	
Cobalt, Dissolved	ug/L	ND	80	80	80.7	82.6	101	103	70-130	2	20	
Copper, Dissolved	ug/L	1.0	80	80	82.2	85.8	101	106	70-130	4	20	
Iron, Dissolved	ug/L	ND	1000	1000	1050	1100	102	106	70-130	4	20	
Lead, Dissolved	ug/L	ND	80	80	80.0	82.1	100	103	70-130	3	20	
Magnesium, Dissolved	ug/L	9570	1000	1000	10700	10900	117	133	70-130	1	20	M6
Manganese, Dissolved	ug/L	204	80	80	285	289	101	106	70-130	2	20	
Molybdenum, Dissolved	ug/L	1.2	80	80	81.9	83.0	101	102	70-130	1	20	
Nickel, Dissolved	ug/L	0.94	80	80	81.8	84.9	101	105	70-130	4	20	
Potassium, Dissolved	ug/L	1210	1000	1000	2170	2210	96	101	70-130	2	20	
Selenium, Dissolved	ug/L	0.50	80	80	83.4	77.2	104	96	70-130	8	20	
Silver, Dissolved	ug/L	ND	80	80	81.1	83.0	101	104	70-130	2	20	
Sodium, Dissolved	ug/L	4180	1000	1000	5170	5260	99	108	70-130	2	20	
Thallium, Dissolved	ug/L	ND	80	80	78.8	80.8	99	101	70-130	2	20	
Vanadium, Dissolved	ug/L	ND	80	80	81.1	83.2	101	104	70-130	3	20	
Zinc, Dissolved	ug/L	7.7	80	80	89.7	91.6	103	105	70-130	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/20736 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 Potentially Dissolved Metals
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

METHOD BLANK: 1108703 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	12/06/12 13:14	
Antimony, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Arsenic, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Barium, Dissolved	ug/L	0.18J	1.0	12/06/12 13:14	
Beryllium, Dissolved	ug/L	ND	0.50	12/06/12 13:14	
Cadmium, Dissolved	ug/L	ND	0.50	12/06/12 13:14	
Chromium, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Cobalt, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Copper, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Iron, Dissolved	ug/L	ND	50.0	12/06/12 13:14	
Lead, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Manganese, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Molybdenum, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Nickel, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Selenium, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Silver, Dissolved	ug/L	ND	0.50	12/06/12 13:14	
Thallium, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Vanadium, Dissolved	ug/L	ND	1.0	12/06/12 13:14	
Zinc, Dissolved	ug/L	1.6J	10.0	12/06/12 13:14	

LABORATORY CONTROL SAMPLE: 1108704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	1000	1000	100	85-115	
Antimony, Dissolved	ug/L	40	41.1	103	85-115	
Arsenic, Dissolved	ug/L	40	41.8	104	85-115	
Barium, Dissolved	ug/L	40	39.6	99	85-115	
Beryllium, Dissolved	ug/L	40	41.3	103	85-115	
Cadmium, Dissolved	ug/L	40	41.3	103	85-115	
Chromium, Dissolved	ug/L	40	41.2	103	85-115	
Cobalt, Dissolved	ug/L	40	40.4	101	85-115	
Copper, Dissolved	ug/L	40	41.4	103	85-115	
Iron, Dissolved	ug/L	1000	1020	102	85-115	
Lead, Dissolved	ug/L	40	39.8	100	85-115	
Manganese, Dissolved	ug/L	40	40.6	101	85-115	
Molybdenum, Dissolved	ug/L	40	40.8	102	85-115	
Nickel, Dissolved	ug/L	40	41.5	104	85-115	
Selenium, Dissolved	ug/L	40	42.0	105	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1108704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver, Dissolved	ug/L	20	19.9	99	85-115	
Thallium, Dissolved	ug/L	40	38.3	96	85-115	
Vanadium, Dissolved	ug/L	40	40.8	102	85-115	
Zinc, Dissolved	ug/L	100	109	109	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108705 1108706

Parameter	Units	60134390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	76.8	1000	1000	1060	1060	98	98	70-130	0	20	
Antimony, Dissolved	ug/L	0.078J	40	40	39.0	39.8	97	99	70-130	2	20	
Arsenic, Dissolved	ug/L	0.15J	40	40	38.1	40.2	95	100	70-130	5	20	
Barium, Dissolved	ug/L	66.8	40	40	111	111	109	110	70-130	0	20	
Beryllium, Dissolved	ug/L	ND	40	40	38.9	40.4	97	101	70-130	4	20	
Cadmium, Dissolved	ug/L	ND	40	40	38.1	39.4	95	98	70-130	3	20	
Chromium, Dissolved	ug/L	0.79J	40	40	40.6	40.6	99	100	70-130	0	20	
Cobalt, Dissolved	ug/L	ND	40	40	38.6	38.6	97	96	70-130	0	20	
Copper, Dissolved	ug/L	0.72J	40	40	38.1	38.0	93	93	70-130	0	20	
Iron, Dissolved	ug/L	50.4	1000	1000	1020	1020	97	97	70-130	0	20	
Lead, Dissolved	ug/L	0.88J	40	40	41.4	41.2	101	101	70-130	0	20	
Manganese, Dissolved	ug/L	22.5	40	40	62.1	62.6	99	100	70-130	1	20	
Molybdenum, Dissolved	ug/L	1.2	40	40	42.4	42.2	103	102	70-130	1	20	
Nickel, Dissolved	ug/L	ND	40	40	38.1	38.2	95	95	70-130	0	20	
Selenium, Dissolved	ug/L	0.41J	40	40	34.8	38.3	86	95	70-130	9	20	
Silver, Dissolved	ug/L	0.10J	20	20	19.3	19.4	96	96	70-130	0	20	
Thallium, Dissolved	ug/L	0.055J	40	40	39.6	39.2	99	98	70-130	1	20	
Vanadium, Dissolved	ug/L	ND	40	40	40.4	40.3	101	100	70-130	0	20	
Zinc, Dissolved	ug/L	8.3J	100	100	97.9	104	90	96	70-130	6	20	

MATRIX SPIKE SAMPLE: 1108709

Parameter	Units	60134390010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	13.4J	1000	952	94	70-130	
Antimony, Dissolved	ug/L	0.070J	40	39.5	99	70-130	
Arsenic, Dissolved	ug/L	0.40J	40	39.5	98	70-130	
Barium, Dissolved	ug/L	82.5	40	120	92	70-130	
Beryllium, Dissolved	ug/L	ND	40	37.2	93	70-130	
Cadmium, Dissolved	ug/L	1.1	40	39.7	96	70-130	
Chromium, Dissolved	ug/L	1.0	40	40.1	98	70-130	
Cobalt, Dissolved	ug/L	0.28J	40	37.9	94	70-130	
Copper, Dissolved	ug/L	0.82J	40	36.6	89	70-130	
Iron, Dissolved	ug/L	112	1000	1070	96	70-130	
Lead, Dissolved	ug/L	0.41J	40	41.3	102	70-130	
Manganese, Dissolved	ug/L	306	40	334	69	70-130	M1
Molybdenum, Dissolved	ug/L	2.6	40	43.7	103	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

MATRIX SPIKE SAMPLE: 1108709

Parameter	Units	60134390010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nickel, Dissolved	ug/L	ND	40	36.3	91	70-130	
Selenium, Dissolved	ug/L	0.40J	40	36.6	91	70-130	
Silver, Dissolved	ug/L	ND	20	18.7	94	70-130	
Thallium, Dissolved	ug/L	ND	40	39.9	100	70-130	
Vanadium, Dissolved	ug/L	ND	40	39.5	98	70-130	
Zinc, Dissolved	ug/L	231	100	314	83	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/20737 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 Potentially Dissolved Metals
Associated Lab Samples: 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038

METHOD BLANK: 1108711 Matrix: Water
Associated Lab Samples: 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	12/06/12 17:52	
Antimony, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Arsenic, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Barium, Dissolved	ug/L	0.15J	1.0	12/06/12 17:52	
Beryllium, Dissolved	ug/L	ND	0.50	12/06/12 17:52	
Cadmium, Dissolved	ug/L	ND	0.50	12/06/12 17:52	
Chromium, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Cobalt, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Copper, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Iron, Dissolved	ug/L	ND	50.0	12/06/12 17:52	
Lead, Dissolved	ug/L	0.15J	1.0	12/06/12 17:52	
Manganese, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Molybdenum, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Nickel, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Selenium, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Silver, Dissolved	ug/L	ND	0.50	12/06/12 17:52	
Thallium, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Vanadium, Dissolved	ug/L	ND	1.0	12/06/12 17:52	
Zinc, Dissolved	ug/L	2.0J	10.0	12/06/12 17:52	

LABORATORY CONTROL SAMPLE: 1108712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	1000	997	100	85-115	
Antimony, Dissolved	ug/L	40	40.4	101	85-115	
Arsenic, Dissolved	ug/L	40	41.0	102	85-115	
Barium, Dissolved	ug/L	40	39.5	99	85-115	
Beryllium, Dissolved	ug/L	40	40.8	102	85-115	
Cadmium, Dissolved	ug/L	40	41.3	103	85-115	
Chromium, Dissolved	ug/L	40	40.6	102	85-115	
Cobalt, Dissolved	ug/L	40	39.4	99	85-115	
Copper, Dissolved	ug/L	40	40.2	100	85-115	
Iron, Dissolved	ug/L	1000	1000	100	85-115	
Lead, Dissolved	ug/L	40	39.5	99	85-115	
Manganese, Dissolved	ug/L	40	40.4	101	85-115	
Molybdenum, Dissolved	ug/L	40	41.1	103	85-115	
Nickel, Dissolved	ug/L	40	40.0	100	85-115	
Selenium, Dissolved	ug/L	40	42.0	105	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1108712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver, Dissolved	ug/L	20	20.0	100	85-115	
Thallium, Dissolved	ug/L	40	38.0	95	85-115	
Vanadium, Dissolved	ug/L	40	40.2	100	85-115	
Zinc, Dissolved	ug/L	100	108	108	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108713 1108714

Parameter	Units	60134390020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	46.2J	1000	1000	1000	1020	96	97	70-130	2	20	
Antimony, Dissolved	ug/L	0.16J	40	40	38.5	39.4	96	98	70-130	2	20	
Arsenic, Dissolved	ug/L	1.3	40	40	40.2	41.2	97	100	70-130	2	20	
Barium, Dissolved	ug/L	20.4	40	40	56.6	59.4	91	97	70-130	5	20	
Beryllium, Dissolved	ug/L	ND	40	40	35.9	36.7	90	92	70-130	2	20	
Cadmium, Dissolved	ug/L	1.8	40	40	39.2	39.4	93	94	70-130	1	20	
Chromium, Dissolved	ug/L	2.4	40	40	40.9	41.2	96	97	70-130	1	20	
Cobalt, Dissolved	ug/L	0.084J	40	40	37.0	37.3	92	93	70-130	1	20	
Copper, Dissolved	ug/L	3.0	40	40	37.0	37.4	85	86	70-130	1	20	
Iron, Dissolved	ug/L	178	1000	1000	1110	1130	93	95	70-130	2	20	
Lead, Dissolved	ug/L	6.5	40	40	47.0	48.0	101	104	70-130	2	20	
Manganese, Dissolved	ug/L	29.8	40	40	66.4	68.0	91	96	70-130	2	20	
Molybdenum, Dissolved	ug/L	8.5	40	40	51.9	52.4	108	110	70-130	1	20	
Nickel, Dissolved	ug/L	0.38J	40	40	36.1	35.5	89	88	70-130	2	20	
Selenium, Dissolved	ug/L	8.5	40	40	43.9	46.3	89	95	70-130	5	20	
Silver, Dissolved	ug/L	0.10J	20	20	18.2	18.3	90	91	70-130	1	20	
Thallium, Dissolved	ug/L	0.17J	40	40	40.2	41.0	100	102	70-130	2	20	
Vanadium, Dissolved	ug/L	0.32J	40	40	39.6	40.2	98	100	70-130	1	20	
Zinc, Dissolved	ug/L	537	100	100	580	613	43	76	70-130	6	20	M1

MATRIX SPIKE SAMPLE: 1108715

Parameter	Units	60134390030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	1880	1000	2830	95	70-130	
Antimony, Dissolved	ug/L	0.15J	40	37.5	93	70-130	
Arsenic, Dissolved	ug/L	2.0	40	39.7	94	70-130	
Barium, Dissolved	ug/L	27.2	40	66.9	99	70-130	
Beryllium, Dissolved	ug/L	0.54	40	29.1	71	70-130	
Cadmium, Dissolved	ug/L	2.1	40	37.1	88	70-130	
Chromium, Dissolved	ug/L	7.9	40	46.7	97	70-130	
Cobalt, Dissolved	ug/L	16.4	40	52.1	89	70-130	
Copper, Dissolved	ug/L	24.2	40	55.7	79	70-130	
Iron, Dissolved	ug/L	37900	1000	39200	131	70-130	M1
Lead, Dissolved	ug/L	547	40	598	129	70-130	
Manganese, Dissolved	ug/L	10400	40	10300	-150	70-130	M6
Molybdenum, Dissolved	ug/L	0.53J	40	47.7	118	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

MATRIX SPIKE SAMPLE: 1108715

Parameter	Units	60134390030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nickel, Dissolved	ug/L	18.5	40	51.2	82	70-130	
Selenium, Dissolved	ug/L	0.56J	40	34.9	86	70-130	
Silver, Dissolved	ug/L	ND	20	17.3	86	70-130	
Thallium, Dissolved	ug/L	0.11J	40	42.0	105	70-130	
Vanadium, Dissolved	ug/L	3.8	40	42.9	98	70-130	
Zinc, Dissolved	ug/L	553	100	634	80	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MPRP/20738 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 Potentially Dissolved Metals
Associated Lab Samples: 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1108717 Matrix: Water
Associated Lab Samples: 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	12/10/12 13:08	
Antimony, Dissolved	ug/L	0.038J	1.0	12/10/12 13:08	
Arsenic, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Barium, Dissolved	ug/L	0.28J	1.0	12/10/12 13:08	
Beryllium, Dissolved	ug/L	ND	0.50	12/11/12 11:04	
Cadmium, Dissolved	ug/L	ND	0.50	12/10/12 13:08	
Chromium, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Cobalt, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Copper, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Iron, Dissolved	ug/L	ND	50.0	12/10/12 13:08	
Lead, Dissolved	ug/L	0.24J	1.0	12/10/12 13:08	
Manganese, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Molybdenum, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Nickel, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Selenium, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Silver, Dissolved	ug/L	0.078J	0.50	12/10/12 13:08	
Thallium, Dissolved	ug/L	0.34J	1.0	12/10/12 13:08	
Vanadium, Dissolved	ug/L	ND	1.0	12/10/12 13:08	
Zinc, Dissolved	ug/L	ND	10.0	12/10/12 13:08	

LABORATORY CONTROL SAMPLE: 1108718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	1000	1000	100	85-115	
Antimony, Dissolved	ug/L	40	40.8	102	85-115	
Arsenic, Dissolved	ug/L	40	42.1	105	85-115	
Barium, Dissolved	ug/L	40	39.9	100	85-115	
Beryllium, Dissolved	ug/L	40	40.7	102	85-115	
Cadmium, Dissolved	ug/L	40	40.8	102	85-115	
Chromium, Dissolved	ug/L	40	40.8	102	85-115	
Cobalt, Dissolved	ug/L	40	40.5	101	85-115	
Copper, Dissolved	ug/L	40	40.9	102	85-115	
Iron, Dissolved	ug/L	1000	1000	100	85-115	
Lead, Dissolved	ug/L	40	39.7	99	85-115	
Manganese, Dissolved	ug/L	40	40.4	101	85-115	
Molybdenum, Dissolved	ug/L	40	40.9	102	85-115	
Nickel, Dissolved	ug/L	40	41.2	103	85-115	
Selenium, Dissolved	ug/L	40	43.3	108	85-115	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

LABORATORY CONTROL SAMPLE: 1108718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver, Dissolved	ug/L	20	19.7	98	85-115	
Thallium, Dissolved	ug/L	40	38.0	95	85-115	
Vanadium, Dissolved	ug/L	40	40.8	102	85-115	
Zinc, Dissolved	ug/L	100	112	112	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108719 1108720

Parameter	Units	60134390039 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	382	1000	1000	1350	1280	96	89	70-130	5	20	
Antimony, Dissolved	ug/L	0.29J	40	40	39.0	38.2	97	95	70-130	2	20	
Arsenic, Dissolved	ug/L	0.73J	40	40	39.6	38.4	97	94	70-130	3	20	
Barium, Dissolved	ug/L	19.0	40	40	58.8	55.6	99	92	70-130	6	20	
Beryllium, Dissolved	ug/L	0.41J	40	40	35.4	35.5	87	88	70-130	0	20	
Cadmium, Dissolved	ug/L	13.4	40	40	51.1	49.4	94	90	70-130	3	20	
Chromium, Dissolved	ug/L	0.80J	40	40	40.2	39.0	98	96	70-130	3	20	
Cobalt, Dissolved	ug/L	2.3	40	40	40.3	39.1	95	92	70-130	3	20	
Copper, Dissolved	ug/L	76.4	40	40	117	109	101	81	70-130	7	20	
Iron, Dissolved	ug/L	4360	1000	1000	5580	5230	122	87	70-130	7	20	
Lead, Dissolved	ug/L	9.2	40	40	51.1	48.7	105	99	70-130	5	20	
Manganese, Dissolved	ug/L	1690	40	40	1830	1680	355	-22	70-130	9	20	M1
Molybdenum, Dissolved	ug/L	18.8	40	40	61.8	58.6	108	99	70-130	5	20	
Nickel, Dissolved	ug/L	3.8	40	40	40.9	40.2	93	91	70-130	2	20	
Selenium, Dissolved	ug/L	ND	40	40	38.4	37.9	96	95	70-130	1	20	
Silver, Dissolved	ug/L	0.18J	20	20	17.3	17.2	86	85	70-130	1	20	
Thallium, Dissolved	ug/L	0.45J	40	40	40.1	38.9	99	96	70-130	3	20	
Vanadium, Dissolved	ug/L	ND	40	40	40.2	39.4	100	98	70-130	2	20	
Zinc, Dissolved	ug/L	2490	100	100	2700	2520	216	28	70-130	7	20	M1

MATRIX SPIKE SAMPLE: 1108721

Parameter	Units	60134390050 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10.2J	1000	902	89	70-130	
Antimony, Dissolved	ug/L	0.17J	40	39.7	99	70-130	
Arsenic, Dissolved	ug/L	6.3	40	44.8	96	70-130	
Barium, Dissolved	ug/L	42.3	40	79.7	93	70-130	
Beryllium, Dissolved	ug/L	0.21J	40	35.0	87	70-130	
Cadmium, Dissolved	ug/L	ND	40	36.2	91	70-130	
Chromium, Dissolved	ug/L	0.69J	40	39.7	98	70-130	
Cobalt, Dissolved	ug/L	0.34J	40	36.7	91	70-130	
Copper, Dissolved	ug/L	ND	40	34.2	85	70-130	
Iron, Dissolved	ug/L	723	1000	1670	95	70-130	
Lead, Dissolved	ug/L	0.47J	40	42.3	105	70-130	
Manganese, Dissolved	ug/L	448	40	475	68	70-130	M1
Molybdenum, Dissolved	ug/L	2.7	40	45.7	107	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

MATRIX SPIKE SAMPLE: 1108721

Parameter	Units	60134390050 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nickel, Dissolved	ug/L	1.2	40	35.4	85	70-130	
Selenium, Dissolved	ug/L	ND	40	39.2	98	70-130	
Silver, Dissolved	ug/L	0.062J	20	17.0	85	70-130	
Thallium, Dissolved	ug/L	0.65J	40	40.9	101	70-130	
Vanadium, Dissolved	ug/L	0.38J	40	40.5	100	70-130	
Zinc, Dissolved	ug/L	5.2J	100	89.6	84	70-130	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MT/10866 Analysis Method: SM 2510B
QC Batch Method: SM 2510B Analysis Description: 2510B Specific Conductance
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

METHOD BLANK: 1345906 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	12/06/12 14:09	

LABORATORY CONTROL SAMPLE: 1345907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1000	1010	101	90-110	

SAMPLE DUPLICATE: 1345908

Parameter	Units	60134390004 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	1300	1290	1	20	

SAMPLE DUPLICATE: 1345909

Parameter	Units	60134390014 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	1320	1350	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MT/10867 Analysis Method: SM 2510B
QC Batch Method: SM 2510B Analysis Description: 2510B Specific Conductance
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

METHOD BLANK: 1345910 Matrix: Water
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	12/06/12 14:47	

LABORATORY CONTROL SAMPLE: 1345911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1000	975	98	90-110	

SAMPLE DUPLICATE: 1345912

Parameter	Units	60134390024 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	1320	1300	1	20	

SAMPLE DUPLICATE: 1345913

Parameter	Units	60134390034 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	1290	1260	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: MT/10868 Analysis Method: SM 2510B
QC Batch Method: SM 2510B Analysis Description: 2510B Specific Conductance
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1345916 Matrix: Water
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	12/06/12 15:18	

LABORATORY CONTROL SAMPLE: 1345917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1000	962	96	90-110	

SAMPLE DUPLICATE: 1345918

Parameter	Units	60134390044 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	670	682	2	20	

SAMPLE DUPLICATE: 1345919

Parameter	Units	60134390054 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	534	544	2	20	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38583 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017

METHOD BLANK: 1108316 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	20.0	12/04/12 12:40	
Alkalinity, Total as CaCO3	mg/L	ND	20.0	12/04/12 12:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	12/04/12 12:40	

LABORATORY CONTROL SAMPLE: 1108317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	494	99	90-110	

SAMPLE DUPLICATE: 1108318

Parameter	Units	60134388006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	172	176	3	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	172	176	3	9	

SAMPLE DUPLICATE: 1108319

Parameter	Units	60134390008 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	107	108	0	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	107	108	0	9	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38617 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036

METHOD BLANK: 1109218 Matrix: Water
Associated Lab Samples: 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	20.0	12/06/12 07:43	
Alkalinity, Total as CaCO3	mg/L	ND	20.0	12/06/12 07:43	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	12/06/12 07:43	

LABORATORY CONTROL SAMPLE: 1109219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	496	99	90-110	

SAMPLE DUPLICATE: 1109220

Parameter	Units	60134668001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	86.2	83.4	3	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	86.2	83.4	3	9	

SAMPLE DUPLICATE: 1109221

Parameter	Units	60134390028 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	179	191	7	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	179	191	7	9	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38618 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 60134390037, 60134390038, 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056

METHOD BLANK: 1109222 Matrix: Water
Associated Lab Samples: 60134390037, 60134390038, 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	20.0	12/06/12 10:01	
Alkalinity, Total as CaCO3	mg/L	ND	20.0	12/06/12 10:01	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	12/06/12 10:01	

LABORATORY CONTROL SAMPLE: 1109223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	504	101	90-110	

SAMPLE DUPLICATE: 1109224

Parameter	Units	60134390037 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	66.4	64.0	4	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	66.4	64.0	4	9	

SAMPLE DUPLICATE: 1109225

Parameter	Units	60134390046 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	136	139	2	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	136	139	2	9	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38683 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Associated Lab Samples: 60134390057

METHOD BLANK: 1111818 | Matrix: Water
Associated Lab Samples: 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	20.0	12/10/12 09:00	
Alkalinity, Total as CaCO3	mg/L	ND	20.0	12/10/12 09:00	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	12/10/12 09:00	

LABORATORY CONTROL SAMPLE: 1111819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	506	101	90-110	

SAMPLE DUPLICATE: 1111820

Parameter	Units	60134390057 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	123	120	3	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	123	120	3	9	

SAMPLE DUPLICATE: 1111821

Parameter	Units	60134439002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	727	731	1	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	727	731	1	9	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38566 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60134390001, 60134390003, 60134390004, 60134390008, 60134390011, 60134390012, 60134390014

METHOD BLANK: 1107947 Matrix: Water
Associated Lab Samples: 60134390001, 60134390003, 60134390004, 60134390008, 60134390011, 60134390012, 60134390014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	12/03/12 16:27	

SAMPLE DUPLICATE: 1107948

Parameter	Units	60134399003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	434	433	0	17	

SAMPLE DUPLICATE: 1107949

Parameter	Units	60134255001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2060	2090	1	17	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38567 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390034, 60134390035

METHOD BLANK: 1107950 Matrix: Water
Associated Lab Samples: 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390034, 60134390035

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	12/03/12 16:38	

SAMPLE DUPLICATE: 1107951

Parameter	Units	60134390015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2360	2310	2	17	

SAMPLE DUPLICATE: 1107952

Parameter	Units	60134390027 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3690	3670	0	17	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38584 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60134390036, 60134390038, 60134390039, 60134390057

METHOD BLANK: 1108484 Matrix: Water
Associated Lab Samples: 60134390036, 60134390038, 60134390039, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	12/04/12 14:59	

SAMPLE DUPLICATE: 1108485

Parameter	Units	60134390036 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1740	1620	7	17	

SAMPLE DUPLICATE: 1108486

Parameter	Units	60134241002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	456	455	0	17	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38585 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60134390002, 60134390005, 60134390006, 60134390007

METHOD BLANK: 1108487 Matrix: Water
Associated Lab Samples: 60134390002, 60134390005, 60134390006, 60134390007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	12/04/12 15:14	

SAMPLE DUPLICATE: 1108488

Parameter	Units	60134231003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1580	1520	4	17	

SAMPLE DUPLICATE: 1108489

Parameter	Units	60134388002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	500	493	1	17	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38609 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60134390009, 60134390010, 60134390013, 60134390033, 60134390037, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054

METHOD BLANK: 1109036 Matrix: Water
Associated Lab Samples: 60134390009, 60134390010, 60134390013, 60134390033, 60134390037, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	12/05/12 14:49	

SAMPLE DUPLICATE: 1109037

Parameter	Units	60134390033 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1170	1170	1	17	

SAMPLE DUPLICATE: 1109038

Parameter	Units	60134390049 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2900	2910	0	17	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38610 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60134390055, 60134390056

METHOD BLANK: 1109052 | Matrix: Water
Associated Lab Samples: 60134390055, 60134390056

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	12/05/12 14:54	

SAMPLE DUPLICATE: 1109053

Parameter	Units	60134390056 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2050	2050	0	17	

SAMPLE DUPLICATE: 1109054

Parameter	Units	201046090 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1020	1070	4	17	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38573 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 60134390001, 60134390003, 60134390004, 60134390008, 60134390011, 60134390012, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027

METHOD BLANK: 1108135 Matrix: Water
Associated Lab Samples: 60134390001, 60134390003, 60134390004, 60134390008, 60134390011, 60134390012, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	12/04/12 09:01	

SAMPLE DUPLICATE: 1108136

Parameter	Units	60134390015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	708	700	1	25	

SAMPLE DUPLICATE: 1108137

Parameter	Units	60134390016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	1050	1080	3	25	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38574 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390034, 60134390035, 60134390036, 60134390038, 60134390039, 60134390057

METHOD BLANK: 1108142 Matrix: Water
Associated Lab Samples: 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390034, 60134390035, 60134390036, 60134390038, 60134390039, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	12/04/12 09:13	

SAMPLE DUPLICATE: 1108143

Parameter	Units	60134390029 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	378	380	1	25	

SAMPLE DUPLICATE: 1108144

Parameter	Units	60134449001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38575 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 60134390002, 60134390005, 60134390006, 60134390007, 60134390009, 60134390010, 60134390013, 60134390033, 60134390037, 60134390040, 60134390041, 60134390042, 60134390043

METHOD BLANK: 1108145 Matrix: Water
Associated Lab Samples: 60134390002, 60134390005, 60134390006, 60134390007, 60134390009, 60134390010, 60134390013, 60134390033, 60134390037, 60134390040, 60134390041, 60134390042, 60134390043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	12/04/12 09:24	

SAMPLE DUPLICATE: 1108146

Parameter	Units	60134390037 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	518	524	1	25	

SAMPLE DUPLICATE: 1108147

Parameter	Units	60134390013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	536	524	2	25	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38604 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056

METHOD BLANK: 1108765 Matrix: Water
Associated Lab Samples: 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	12/05/12 10:18	

SAMPLE DUPLICATE: 1108766

Parameter	Units	60134313001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	1880	1900	1	25	

SAMPLE DUPLICATE: 1108767

Parameter	Units	60134378001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	25.0	29.0	15	25	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38554 — Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D — Analysis Description: 4500S2D Sulfide, Total
Associated Lab Samples: 60134390001, 60134390003, 60134390004, 60134390008, 60134390011, 60134390012, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027

METHOD BLANK: 1107829 — Matrix: Water
Associated Lab Samples: 60134390001, 60134390003, 60134390004, 60134390008, 60134390011, 60134390012, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.050	12/04/12 23:45	

LABORATORY CONTROL SAMPLE: 1107830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	.5	0.52	103	80-120	

MATRIX SPIKE SAMPLE: 1107831

Parameter	Units	60134390001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	ND	.5	0.53	105	75-125	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38555 Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D Analysis Description: 4500S2D Sulfide, Total
Associated Lab Samples: 60134390002, 60134390005, 60134390006, 60134390007, 60134390009, 60134390010, 60134390013, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390057

METHOD BLANK: 1107832 Matrix: Water
Associated Lab Samples: 60134390002, 60134390005, 60134390006, 60134390007, 60134390009, 60134390010, 60134390013, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.050	12/04/12 23:52	

LABORATORY CONTROL SAMPLE: 1107833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	.5	0.48	96	80-120	

MATRIX SPIKE SAMPLE: 1107834

Parameter	Units	60134390028 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	ND	.5	0.55	110	75-125	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WET/38556 Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D Analysis Description: 4500S2D Sulfide, Total
Associated Lab Samples: 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056

METHOD BLANK: 1107835 Matrix: Water
Associated Lab Samples: 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.050	12/05/12 00:00	

LABORATORY CONTROL SAMPLE: 1107836

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	.5	0.54	107	80-120	

MATRIX SPIKE SAMPLE: 1107837

Parameter	Units	60134390040 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	ND	.5	0.52	104	75-125	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22706 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

METHOD BLANK: 1107789 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	12/03/12 12:25	
Sulfate	mg/L	ND	1.0	12/03/12 12:25	

LABORATORY CONTROL SAMPLE: 1107790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.6	92	90-110	
Sulfate	mg/L	5	4.7	94	90-110	

MATRIX SPIKE SAMPLE: 1107791

Parameter	Units	60134390001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.0	5	5.5	89	64-118	
Sulfate	mg/L	68.5	25	89.1	83	61-119	

MATRIX SPIKE SAMPLE: 1107792

Parameter	Units	60134390002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.0	5	5.7	93	64-118	
Sulfate	mg/L	151	100	157	6	61-119	M6

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22732 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions

Associated Lab Samples: 60134390010, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390028, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038

METHOD BLANK: 1108241 | Matrix: Water

Associated Lab Samples: 60134390010, 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390028, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	12/04/12 11:29	
Sulfate	mg/L	ND	1.0	12/04/12 11:29	

LABORATORY CONTROL SAMPLE: 1108242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.8	97	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 1108243

Parameter	Units	60134390010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.8	5	6.7	99	64-118	
Sulfate	mg/L	202	100	289	87	61-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108244 1108245

Parameter	Units	60134390020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	5	5	5.7	5.8	99	102	64-118	2	12	
Sulfate	mg/L	566	250	250	844	809	111	97	61-119	4	10	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22748 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60134390027, 60134390029, 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046

METHOD BLANK: 1108782 Matrix: Water
Associated Lab Samples: 60134390027, 60134390029, 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	12/05/12 11:05	
Sulfate	mg/L	ND	1.0	12/05/12 11:05	

METHOD BLANK: 1109675 Matrix: Water
Associated Lab Samples: 60134390027, 60134390029, 60134390039, 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	12/06/12 12:16	
Sulfate	mg/L	ND	1.0	12/06/12 12:16	

LABORATORY CONTROL SAMPLE: 1108783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.9	98	90-110	
Sulfate	mg/L	5	5.0	101	90-110	

LABORATORY CONTROL SAMPLE: 1109676

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.0	99	90-110	
Sulfate	mg/L	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108784 1108785

Parameter	Units	60134390029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.3	5	5	6.5	6.4	103	102	64-118	1	12	
Sulfate	mg/L	1150	500	500	1620	1630	93	96	61-119	1	10	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22749 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1108786 — Matrix: Water
Associated Lab Samples: 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	12/05/12 20:06	
Sulfate	mg/L	ND	1.0	12/05/12 20:06	

METHOD BLANK: 1109678 — Matrix: Water
Associated Lab Samples: 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	12/06/12 13:40	
Sulfate	mg/L	ND	1.0	12/06/12 13:40	

LABORATORY CONTROL SAMPLE: 1108787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.0	99	90-110	
Sulfate	mg/L	5	5.1	102	90-110	

LABORATORY CONTROL SAMPLE: 1109679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.0	99	90-110	
Sulfate	mg/L	5	5.1	101	90-110	

MATRIX SPIKE SAMPLE: 1108788

Parameter	Units	60134390047 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	5	6.3	101	64-118	
Sulfate	mg/L	176	250	438	105	61-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108789 1108790

Parameter	Units	60134390057 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.0	5	5	5.8	5.9	96	97	64-118	1	12	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1108789 1108790

Parameter	Units	60134390057 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	136	50	50	180	188	89	105	61-119	4	10	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22812 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010

METHOD BLANK: 1111540 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/11/12 10:05	

LABORATORY CONTROL SAMPLE: 1111541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	107	90-110	

MATRIX SPIKE SAMPLE: 1111542

Parameter	Units	60134390001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	2	2.1	102	90-110	

SAMPLE DUPLICATE: 1111543

Parameter	Units	60134390002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		13	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22813 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

METHOD BLANK: 1111548 — Matrix: Water
Associated Lab Samples: 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/11/12 10:18	

LABORATORY CONTROL SAMPLE: 1111549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 1111550

Parameter	Units	60134390012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	2	2.1	103	90-110	

SAMPLE DUPLICATE: 1111551

Parameter	Units	60134390013 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		13	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22814 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030

METHOD BLANK: 1111555 Matrix: Water
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/11/12 10:32	

LABORATORY CONTROL SAMPLE: 1111556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 1111557

Parameter	Units	60134390021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	2	2.0	100	90-110	

SAMPLE DUPLICATE: 1111558

Parameter	Units	60134390022 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		13	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22815 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

METHOD BLANK: 1111559 | Matrix: Water
Associated Lab Samples: 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/11/12 17:10	

LABORATORY CONTROL SAMPLE: 1111560

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.2	110	90-110	

MATRIX SPIKE SAMPLE: 1111561

Parameter	Units	60134390031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.46	2	2.5	100	90-110	

SAMPLE DUPLICATE: 1111562

Parameter	Units	60134390032 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		13	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22816 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050

METHOD BLANK: 1111563 — Matrix: Water
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/11/12 16:04	

LABORATORY CONTROL SAMPLE: 1111564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.2	108	90-110	

MATRIX SPIKE SAMPLE: 1111565

Parameter	Units	60134390041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	2	2.3	111	90-110	M1

SAMPLE DUPLICATE: 1111566

Parameter	Units	60134390042 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.12	ND		13	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22817 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1111567 Matrix: Water
Associated Lab Samples: 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/11/12 16:18	

LABORATORY CONTROL SAMPLE: 1111568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	105	90-110	

MATRIX SPIKE SAMPLE: 1111569

Parameter	Units	60134390051 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	2	2.3	111	90-110	M1

SAMPLE DUPLICATE: 1111570

Parameter	Units	60134390052 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		13	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22786 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

METHOD BLANK: 1110439 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019, 60134390020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/07/12 14:18	

LABORATORY CONTROL SAMPLE: 1110440

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.098	98	69-126	

MATRIX SPIKE SAMPLE: 1110441

Parameter	Units	60134390001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.1	0.10	99	41-136	

SAMPLE DUPLICATE: 1110442

Parameter	Units	60134390002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		26	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22787 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

METHOD BLANK: 1110443 Matrix: Water
Associated Lab Samples: 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039, 60134390040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/07/12 15:46	

LABORATORY CONTROL SAMPLE: 1110444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	102	69-126	

MATRIX SPIKE SAMPLE: 1110445

Parameter	Units	60134390021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.1	0.10	96	41-136	

SAMPLE DUPLICATE: 1110446

Parameter	Units	60134390022 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		26	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22788 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1110447 Matrix: Water
Associated Lab Samples: 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/07/12 16:56	

LABORATORY CONTROL SAMPLE: 1110448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.11	111	69-126	

MATRIX SPIKE SAMPLE: 1110449

Parameter	Units	60134390041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.0058	.1	0.10	98	41-136	

SAMPLE DUPLICATE: 1110450

Parameter	Units	60134390042 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	0.0060	0.0051	16	26	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22752 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

METHOD BLANK: 1108819 Matrix: Water
Associated Lab Samples: 60134390001, 60134390002, 60134390003, 60134390004, 60134390005, 60134390006, 60134390007, 60134390008, 60134390009, 60134390010, 60134390011, 60134390012, 60134390013, 60134390014, 60134390015, 60134390016, 60134390017, 60134390018, 60134390019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/06/12 08:38	

LABORATORY CONTROL SAMPLE: 1108820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.4	88	80-120	

MATRIX SPIKE SAMPLE: 1108821

Parameter	Units	60134461001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.9	5	10.4	150	80-120	M1

SAMPLE DUPLICATE: 1108822

Parameter	Units	60134390001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22777 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039

METHOD BLANK: 1110046 Matrix: Water
Associated Lab Samples: 60134390020, 60134390021, 60134390022, 60134390023, 60134390024, 60134390025, 60134390026, 60134390027, 60134390028, 60134390029, 60134390030, 60134390031, 60134390032, 60134390033, 60134390034, 60134390035, 60134390036, 60134390037, 60134390038, 60134390039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/06/12 16:40	

LABORATORY CONTROL SAMPLE: 1110047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.2	84	80-120	

MATRIX SPIKE SAMPLE: 1110048

Parameter	Units	60134390020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	5	4.7	93	80-120	

SAMPLE DUPLICATE: 1110049

Parameter	Units	60134390021 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

QC Batch: WETA/22789 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

METHOD BLANK: 1110513 Matrix: Water
Associated Lab Samples: 60134390040, 60134390041, 60134390042, 60134390043, 60134390044, 60134390045, 60134390046, 60134390047, 60134390048, 60134390049, 60134390050, 60134390051, 60134390052, 60134390053, 60134390054, 60134390055, 60134390056, 60134390057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/07/12 09:10	

LABORATORY CONTROL SAMPLE: 1110514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.1	82	80-120	

MATRIX SPIKE SAMPLE: 1110515

Parameter	Units	60134390040 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	5	4.8	96	80-120	

SAMPLE DUPLICATE: 1110516

Parameter	Units	60134390041 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	ND	ND		25	

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QUALIFIERS

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PRL - Pace Reporting Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-K	Pace Analytical Services - Kansas City
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390001	**DR-1_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390002	**DR-2_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390003	**DR-3_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390004	**DR-4_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390005	**DR-5_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390006	**DR-6_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390007	**DR-7_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390008	**DR-8_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390009	**DR-4-SW_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390010	**DR-G_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390011	**FB_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390012	**GW-1_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390013	**GW-3_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390014	**GW-4_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390015	**GW-5_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390016	**GW-6_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390017	**GW-7_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390018	**EB-1_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390019	**EB-2_20121127**	EPA 200.7	MPRP/20743	EPA 200.7	ICP/16845
60134390020	**MW-1 DEEP_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390021	**MW-1 SHALLOW_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390022	**MW-2 DEEP_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390023	**MW-3 DEEP_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390024	**MW-4 DEEP_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390025	**MW-4 SHALLOW_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390026	**MW-5 DEEP_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390027	**MW-5 SHALLOW_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390028	**MW-6 DEEP_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390029	**MW-6 SHALLOW_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390030	**MW-101_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390031	**MW-102_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390032	**MW-103_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390033	**MW-104_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390034	**MW-204_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390035	**CHV-101_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390036	**P13-102_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390037	**P13-103_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390038	**AT-2_20121127**	EPA 200.7	MPRP/20744	EPA 200.7	ICP/16846
60134390039	**POND15_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390040	**DR-1 COMP_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390041	**DR-2 COMP_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390042	**DR-7 COMP_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390043	**DR-4-SW COMP_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390049	**EH-5_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390050	**EH-5A_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390051	**EH-5B_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390052	**EH-5C_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390053	**EH-5D_POND_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390054	**EH-5E_POND_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390055	**EH-5E_INFLOW_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390056	**EH-5_POND_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390057	**POND15_SEEP_20121127**	EPA 200.7	MPRP/20745	EPA 200.7	ICP/16847
60134390001	**DR-1_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390002	**DR-2_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390003	**DR-3_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390004	**DR-4_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390005	**DR-5_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390006	**DR-6_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390007	**DR-7_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390008	**DR-8_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390009	**DR-4-SW_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390010	**DR-G_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390011	**FB_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390012	**GW-1_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390013	**GW-3_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390014	**GW-4_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390015	**GW-5_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390016	**GW-6_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390017	**GW-7_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390018	**EB-1_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390019	**EB-2_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390020	**MW-1 DEEP_20121127**	EPA 200.8	MPRP/36738	EPA 200.8	ICPM/14741
60134390021	**MW-1 SHALLOW_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390022	**MW-2 DEEP_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390023	**MW-3 DEEP_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390024	**MW-4 DEEP_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390025	**MW-4 SHALLOW_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390026	**MW-5 DEEP_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390027	**MW-5 SHALLOW_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390028	**MW-6 DEEP_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390029	**MW-6 SHALLOW_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390030	**MW-101_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390031	**MW-102_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390032	**MW-103_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390033	**MW-104_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390034	**MW-204_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390035	**CHV-101_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390036	**P13-102_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390037	**P13-103_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390038	**AT-2_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390039	**POND15_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390040	**DR-1 COMP_20121127**	EPA 200.8	MPRP/36739	EPA 200.8	ICPM/14740
60134390041	**DR-2 COMP_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390042	**DR-7 COMP_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390043	**DR-4-SW COMP_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390049	**EH-5_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390050	**EH-5A_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390051	**EH-5B_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390052	**EH-5C_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390053	**EH-5D_POND_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390054	**EH-5E_POND_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390055	**EH-5E_INFLOW_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390056	**EH-5_POND_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390057	**POND15_SEEP_20121127**	EPA 200.8	MPRP/36740	EPA 200.8	ICPM/14790
60134390001	**DR-1_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390002	**DR-2_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390003	**DR-3_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390004	**DR-4_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390005	**DR-5_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390006	**DR-6_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390007	**DR-7_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390008	**DR-8_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390009	**DR-4-SW_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390010	**DR-G_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390011	**FB_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390012	**GW-1_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390013	**GW-3_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390014	**GW-4_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390015	**GW-5_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390016	**GW-6_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390017	**GW-7_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390018	**EB-1_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390019	**EB-2_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390020	**MW-1 DEEP_20121127**	EPA 200.8	MPRP/36741	EPA 200.8	ICPM/14766
60134390021	**MW-1 SHALLOW_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390022	**MW-2 DEEP_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390023	**MW-3 DEEP_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390024	**MW-4 DEEP_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390025	**MW-4 SHALLOW_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390026	**MW-5 DEEP_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390027	**MW-5 SHALLOW_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390028	**MW-6 DEEP_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390029	**MW-6 SHALLOW_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390030	**MW-101_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390031	**MW-102_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390032	**MW-103_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390033	**MW-104_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390034	**MW-204_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390035	**CHV-101_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390036	**P13-102_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390037	**P13-103_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390038	**AT-2_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390039	**POND15_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390040	**DR-1 COMP_20121127**	EPA 200.8	MPRP/36742	EPA 200.8	ICPM/14767
60134390041	**DR-2 COMP_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390042	**DR-7 COMP_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390043	**DR-4-SW COMP_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390049	**EH-5_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390050	**EH-5A_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390051	**EH-5B_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390052	**EH-5C_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390053	**EH-5D_POND_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390054	**EH-5E_POND_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390055	**EH-5E_INFLOW_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390056	**EH-5_POND_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390057	**POND15_SEEP_20121127**	EPA 200.8	MPRP/36743	EPA 200.8	ICPM/14768
60134390001	**DR-1_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390002	**DR-2_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390003	**DR-3_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390004	**DR-4_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390005	**DR-5_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390006	**DR-6_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390007	**DR-7_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390008	**DR-8_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390009	**DR-4-SW_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390010	**DR-G_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390011	**FB_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390012	**GW-1_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390013	**GW-3_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390014	**GW-4_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390015	**GW-5_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390016	**GW-6_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390017	**GW-7_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390018	**EB-1_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390019	**EB-2_20121127**	EPA 200.8	MPRP/20736	EPA 200.8	ICPM/1893
60134390020	**MW-1 DEEP_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390021	**MW-1 SHALLOW_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390022	**MW-2 DEEP_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390023	**MW-3 DEEP_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390024	**MW-4 DEEP_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390025	**MW-4 SHALLOW_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390026	**MW-5 DEEP_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390027	**MW-5 SHALLOW_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390028	**MW-6 DEEP_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390029	**MW-6 SHALLOW_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390030	**MW-101_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390031	**MW-102_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390032	**MW-103_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390033	**MW-104_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390034	**MW-204_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390035	**CHV-101_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390036	**P13-102_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390037	**P13-103_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390038	**AT-2_20121127**	EPA 200.8	MPRP/20737	EPA 200.8	ICPM/1894
60134390039	**POND15_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390040	**DR-1 COMP_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390041	**DR-2 COMP_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390042	**DR-7 COMP_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390043	**DR-4-SW COMP_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390049	**EH-5_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390050	**EH-5A_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390051	**EH-5B_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390052	**EH-5C_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390053	**EH-5D_POND_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390054	**EH-5E_POND_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390055	**EH-5E_INFLOW_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390056	**EH-5_POND_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390057	**POND15_SEEP_20121127**	EPA 200.8	MPRP/20738	EPA 200.8	ICPM/1895
60134390001	**DR-1_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390002	**DR-2_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390003	**DR-3_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390004	**DR-4_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390005	**DR-5_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390006	**DR-6_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390007	**DR-7_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390008	**DR-8_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390009	**DR-4-SW_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390010	**DR-G_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390011	**FB_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390012	**GW-1_20121127**	EPA 245.1	MERP/7835	EPA 245.1	MERC/8801
60134390013	**GW-3_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390014	**GW-4_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390015	**GW-5_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390016	**GW-6_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390017	**GW-7_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390018	**EB-1_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390019	**EB-2_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390020	**MW-1 DEEP_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390021	**MW-1 SHALLOW_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390022	**MW-2 DEEP_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390023	**MW-3 DEEP_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390024	**MW-4 DEEP_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390025	**MW-4 SHALLOW_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390026	**MW-5 DEEP_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390027	**MW-5 SHALLOW_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390028	**MW-6 DEEP_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390029	**MW-6 SHALLOW_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390030	**MW-101_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390031	**MW-102_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390032	**MW-103_20121127**	EPA 245.1	MERP/7836	EPA 245.1	MERC/8814
60134390033	**MW-104_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390034	**MW-204_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390035	**CHV-101_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390036	**P13-102_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390037	**P13-103_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390038	**AT-2_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390039	**POND15_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390040	**DR-1 COMP_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390041	**DR-2 COMP_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390042	**DR-7 COMP_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390043	**DR-4-SW COMP_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390049	**EH-5_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390050	**EH-5A_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390051	**EH-5B_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390052	**EH-5C_20121127**	EPA 245.1	MERP/7837	EPA 245.1	MERC/8815
60134390053	**EH-5D_POND_20121127**	EPA 245.1	MERP/7842	EPA 245.1	MERC/8798
60134390054	**EH-5E_POND_20121127**	EPA 245.1	MERP/7842	EPA 245.1	MERC/8798
60134390055	**EH-5E_INFLOW_20121127**	EPA 245.1	MERP/7842	EPA 245.1	MERC/8798
60134390056	**EH-5_POND_20121127**	EPA 245.1	MERP/7842	EPA 245.1	MERC/8798
60134390057	**POND15_SEEP_20121127**	EPA 245.1	MERP/7842	EPA 245.1	MERC/8798
60134390001	**DR-1_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390002	**DR-2_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390003	**DR-3_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390004	**DR-4_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390005	**DR-5_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390006	**DR-6_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390007	**DR-7_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390008	**DR-8_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390009	**DR-4-SW_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390010	**DR-G_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390011	**FB_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390012	**GW-1_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390013	**GW-3_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390014	**GW-4_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390015	**GW-5_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390016	**GW-6_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390017	**GW-7_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390018	**EB-1_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390019	**EB-2_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390020	**MW-1 DEEP_20121127**	EPA 245.1	MERP/7832	EPA 245.1	MERC/8820
60134390021	**MW-1 SHALLOW_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390022	**MW-2 DEEP_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390023	**MW-3 DEEP_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390024	**MW-4 DEEP_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390025	**MW-4 SHALLOW_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390026	**MW-5 DEEP_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390027	**MW-5 SHALLOW_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390028	**MW-6 DEEP_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390029	**MW-6 SHALLOW_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390030	**MW-101_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821

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Pace Project No.: 60134390

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60134390031	**MW-102_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390032	**MW-103_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390033	**MW-104_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390034	**MW-204_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390035	**CHV-101_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390036	**P13-102_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390037	**P13-103_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390038	**AT-2_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390039	**POND15_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390040	**DR-1 COMP_20121127**	EPA 245.1	MERP/7833	EPA 245.1	MERC/8821
60134390041	**DR-2 COMP_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390042	**DR-7 COMP_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390043	**DR-4-SW COMP_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390049	**EH-5_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390050	**EH-5A_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390051	**EH-5B_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390052	**EH-5C_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390053	**EH-5D_POND_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390054	**EH-5E_POND_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390055	**EH-5E_INFLOW_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390056	**EH-5_POND_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390057	**POND15_SEEP_20121127**	EPA 245.1	MERP/7834	EPA 245.1	MERC/8813
60134390001	**DR-1_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390002	**DR-2_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390003	**DR-3_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390004	**DR-4_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390005	**DR-5_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390006	**DR-6_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390007	**DR-7_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390008	**DR-8_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390009	**DR-4-SW_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390010	**DR-G_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390011	**FB_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390012	**GW-1_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390013	**GW-3_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390014	**GW-4_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390015	**GW-5_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390016	**GW-6_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390017	**GW-7_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390018	**EB-1_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390019	**EB-2_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390020	**MW-1 DEEP_20121127**	EPA 245.1	MERP/6889	EPA 245.1	MERC/6848
60134390021	**MW-1 SHALLOW_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390022	**MW-2 DEEP_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390023	**MW-3 DEEP_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390024	**MW-4 DEEP_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390025	**MW-4 SHALLOW_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390026	**MW-5 DEEP_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390027	**MW-5 SHALLOW_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390028	**MW-6 DEEP_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390029	**MW-6 SHALLOW_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390030	**MW-101_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390031	**MW-102_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390032	**MW-103_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390033	**MW-104_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390034	**MW-204_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390035	**CHV-101_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390036	**P13-102_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390037	**P13-103_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390038	**AT-2_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390039	**POND15_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390040	**DR-1 COMP_20121127**	EPA 245.1	MERP/6890	EPA 245.1	MERC/6847
60134390041	**DR-2 COMP_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390042	**DR-7 COMP_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390043	**DR-4-SW COMP_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390049	**EH-5_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390050	**EH-5A_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390051	**EH-5B_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390052	**EH-5C_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390053	**EH-5D_POND_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390054	**EH-5E_POND_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390055	**EH-5E_INFLOW_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390056	**EH-5_POND_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390057	**POND15_SEEP_20121127**	EPA 245.1	MERP/6891	EPA 245.1	MERC/6853
60134390001	**DR-1_20121127**	SM 2510B	MT/10866		
60134390002	**DR-2_20121127**	SM 2510B	MT/10866		
60134390003	**DR-3_20121127**	SM 2510B	MT/10866		
60134390004	**DR-4_20121127**	SM 2510B	MT/10866		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390005	**DR-5_20121127**	SM 2510B	MT/10866		
60134390006	**DR-6_20121127**	SM 2510B	MT/10866		
60134390007	**DR-7_20121127**	SM 2510B	MT/10866		
60134390008	**DR-8_20121127**	SM 2510B	MT/10866		
60134390009	**DR-4-SW_20121127**	SM 2510B	MT/10866		
60134390010	**DR-G_20121127**	SM 2510B	MT/10866		
60134390011	**FB_20121127**	SM 2510B	MT/10866		
60134390012	**GW-1_20121127**	SM 2510B	MT/10866		
60134390013	**GW-3_20121127**	SM 2510B	MT/10866		
60134390014	**GW-4_20121127**	SM 2510B	MT/10866		
60134390015	**GW-5_20121127**	SM 2510B	MT/10866		
60134390016	**GW-6_20121127**	SM 2510B	MT/10866		
60134390017	**GW-7_20121127**	SM 2510B	MT/10866		
60134390018	**EB-1_20121127**	SM 2510B	MT/10866		
60134390019	**EB-2_20121127**	SM 2510B	MT/10866		
60134390020	**MW-1 DEEP_20121127**	SM 2510B	MT/10866		
60134390021	**MW-1 SHALLOW_20121127**	SM 2510B	MT/10867		
60134390022	**MW-2 DEEP_20121127**	SM 2510B	MT/10867		
60134390023	**MW-3 DEEP_20121127**	SM 2510B	MT/10867		
60134390024	**MW-4 DEEP_20121127**	SM 2510B	MT/10867		
60134390025	**MW-4 SHALLOW_20121127**	SM 2510B	MT/10867		
60134390026	**MW-5 DEEP_20121127**	SM 2510B	MT/10867		
60134390027	**MW-5 SHALLOW_20121127**	SM 2510B	MT/10867		
60134390028	**MW-6 DEEP_20121127**	SM 2510B	MT/10867		
60134390029	**MW-6 SHALLOW_20121127**	SM 2510B	MT/10867		
60134390030	**MW-101_20121127**	SM 2510B	MT/10867		
60134390031	**MW-102_20121127**	SM 2510B	MT/10867		
60134390032	**MW-103_20121127**	SM 2510B	MT/10867		
60134390033	**MW-104_20121127**	SM 2510B	MT/10867		
60134390034	**MW-204_20121127**	SM 2510B	MT/10867		
60134390035	**CHV-101_20121127**	SM 2510B	MT/10867		
60134390036	**P13-102_20121127**	SM 2510B	MT/10867		
60134390037	**P13-103_20121127**	SM 2510B	MT/10867		
60134390038	**AT-2_20121127**	SM 2510B	MT/10867		
60134390039	**POND15_20121127**	SM 2510B	MT/10867		
60134390040	**DR-1 COMP_20121127**	SM 2510B	MT/10867		
60134390041	**DR-2 COMP_20121127**	SM 2510B	MT/10868		
60134390042	**DR-7 COMP_20121127**	SM 2510B	MT/10868		
60134390043	**DR-4-SW COMP_20121127**	SM 2510B	MT/10868		
60134390044	**DR-7 COMPARTMENT 1_20121127**	SM 2510B	MT/10868		
60134390045	**DR-7 COMPARTMENT 2_20121127**	SM 2510B	MT/10868		
60134390046	**DR-7 COMPARTMENT 3_20121127**	SM 2510B	MT/10868		
60134390047	**DR-7 COMPARTMENT 4_20121127**	SM 2510B	MT/10868		
60134390048	**DR-7 COMPARTMENT 5_20121127**	SM 2510B	MT/10868		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390049	**EH-5_20121127**	SM 2510B	MT/10868		
60134390050	**EH-5A_20121127**	SM 2510B	MT/10868		
60134390051	**EH-5B_20121127**	SM 2510B	MT/10868		
60134390052	**EH-5C_20121127**	SM 2510B	MT/10868		
60134390053	**EH-5D_POND_20121127**	SM 2510B	MT/10868		
60134390054	**EH-5E_POND_20121127**	SM 2510B	MT/10868		
60134390055	**EH-5E_INFLOW_20121127**	SM 2510B	MT/10868		
60134390056	**EH-5_POND_20121127**	SM 2510B	MT/10868		
60134390057	**POND15_SEEP_20121127**	SM 2510B	MT/10868		
60134390001	**DR-1_20121127**	Calculated	MT/10881		
60134390002	**DR-2_20121127**	Calculated	MT/10881		
60134390003	**DR-3_20121127**	Calculated	MT/10881		
60134390004	**DR-4_20121127**	Calculated	MT/10881		
60134390005	**DR-5_20121127**	Calculated	MT/10881		
60134390006	**DR-6_20121127**	Calculated	MT/10881		
60134390007	**DR-7_20121127**	Calculated	MT/10881		
60134390008	**DR-8_20121127**	Calculated	MT/10881		
60134390009	**DR-4-SW_20121127**	Calculated	MT/10881		
60134390010	**DR-G_20121127**	Calculated	MT/10881		
60134390011	**FB_20121127**	Calculated	MT/10881		
60134390012	**GW-1_20121127**	Calculated	MT/10881		
60134390013	**GW-3_20121127**	Calculated	MT/10881		
60134390014	**GW-4_20121127**	Calculated	MT/10881		
60134390015	**GW-5_20121127**	Calculated	MT/10881		
60134390016	**GW-6_20121127**	Calculated	MT/10881		
60134390017	**GW-7_20121127**	Calculated	MT/10881		
60134390018	**EB-1_20121127**	Calculated	MT/10881		
60134390019	**EB-2_20121127**	Calculated	MT/10881		
60134390020	**MW-1 DEEP_20121127**	Calculated	MT/10881		
60134390021	**MW-1 SHALLOW_20121127**	Calculated	MT/10882		
60134390022	**MW-2 DEEP_20121127**	Calculated	MT/10882		
60134390023	**MW-3 DEEP_20121127**	Calculated	MT/10882		
60134390024	**MW-4 DEEP_20121127**	Calculated	MT/10882		
60134390025	**MW-4 SHALLOW_20121127**	Calculated	MT/10882		
60134390026	**MW-5 DEEP_20121127**	Calculated	MT/10882		
60134390027	**MW-5 SHALLOW_20121127**	Calculated	MT/10882		
60134390028	**MW-6 DEEP_20121127**	Calculated	MT/10882		
60134390029	**MW-6 SHALLOW_20121127**	Calculated	MT/10882		
60134390030	**MW-101_20121127**	Calculated	MT/10882		
60134390031	**MW-102_20121127**	Calculated	MT/10882		
60134390032	**MW-103_20121127**	Calculated	MT/10882		
60134390033	**MW-104_20121127**	Calculated	MT/10882		
60134390034	**MW-204_20121127**	Calculated	MT/10882		
60134390035	**CHV-101_20121127**	Calculated	MT/10882		
60134390036	**P13-102_20121127**	Calculated	MT/10882		
60134390037	**P13-103_20121127**	Calculated	MT/10882		
60134390038	**AT-2_20121127**	Calculated	MT/10882		
60134390039	**POND15_20121127**	Calculated	MT/10882		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390040	**DR-1 COMP_20121127**	Calculated	MT/10882		
60134390041	**DR-2 COMP_20121127**	Calculated	MT/10883		
60134390042	**DR-7 COMP_20121127**	Calculated	MT/10883		
60134390043	**DR-4-SW COMP_20121127**	Calculated	MT/10883		
60134390044	**DR-7 COMPARTMENT 1_20121127**	Calculated	MT/10883		
60134390045	**DR-7 COMPARTMENT 2_20121127**	Calculated	MT/10883		
60134390046	**DR-7 COMPARTMENT 3_20121127**	Calculated	MT/10883		
60134390047	**DR-7 COMPARTMENT 4_20121127**	Calculated	MT/10883		
60134390048	**DR-7 COMPARTMENT 5_20121127**	Calculated	MT/10883		
60134390049	**EH-5_20121127**	Calculated	MT/10883		
60134390050	**EH-5A_20121127**	Calculated	MT/10883		
60134390051	**EH-5B_20121127**	Calculated	MT/10883		
60134390052	**EH-5C_20121127**	Calculated	MT/10883		
60134390053	**EH-5D_POND_20121127**	Calculated	MT/10883		
60134390054	**EH-5E_POND_20121127**	Calculated	MT/10883		
60134390055	**EH-5E_INFLOW_20121127**	Calculated	MT/10883		
60134390056	**EH-5_POND_20121127**	Calculated	MT/10883		
60134390057	**POND15_SEEP_20121127**	Calculated	MT/10883		
60134390001	**DR-1_20121127**	SM 2320B	WET/38583		
60134390002	**DR-2_20121127**	SM 2320B	WET/38583		
60134390003	**DR-3_20121127**	SM 2320B	WET/38583		
60134390004	**DR-4_20121127**	SM 2320B	WET/38583		
60134390005	**DR-5_20121127**	SM 2320B	WET/38583		
60134390006	**DR-6_20121127**	SM 2320B	WET/38583		
60134390007	**DR-7_20121127**	SM 2320B	WET/38583		
60134390008	**DR-8_20121127**	SM 2320B	WET/38583		
60134390009	**DR-4-SW_20121127**	SM 2320B	WET/38583		
60134390010	**DR-G_20121127**	SM 2320B	WET/38583		
60134390011	**FB_20121127**	SM 2320B	WET/38583		
60134390012	**GW-1_20121127**	SM 2320B	WET/38583		
60134390013	**GW-3_20121127**	SM 2320B	WET/38583		
60134390014	**GW-4_20121127**	SM 2320B	WET/38583		
60134390015	**GW-5_20121127**	SM 2320B	WET/38583		
60134390016	**GW-6_20121127**	SM 2320B	WET/38583		
60134390017	**GW-7_20121127**	SM 2320B	WET/38583		
60134390018	**EB-1_20121127**	SM 2320B	WET/38617		
60134390019	**EB-2_20121127**	SM 2320B	WET/38617		
60134390020	**MW-1 DEEP_20121127**	SM 2320B	WET/38617		
60134390021	**MW-1 SHALLOW_20121127**	SM 2320B	WET/38617		
60134390022	**MW-2 DEEP_20121127**	SM 2320B	WET/38617		
60134390023	**MW-3 DEEP_20121127**	SM 2320B	WET/38617		
60134390024	**MW-4 DEEP_20121127**	SM 2320B	WET/38617		
60134390025	**MW-4 SHALLOW_20121127**	SM 2320B	WET/38617		
60134390026	**MW-5 DEEP_20121127**	SM 2320B	WET/38617		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390027	**MW-5 SHALLOW_20121127**	SM 2320B	WET/38617		
60134390028	**MW-6 DEEP_20121127**	SM 2320B	WET/38617		
60134390029	**MW-6 SHALLOW_20121127**	SM 2320B	WET/38617		
60134390030	**MW-101_20121127**	SM 2320B	WET/38617		
60134390031	**MW-102_20121127**	SM 2320B	WET/38617		
60134390032	**MW-103_20121127**	SM 2320B	WET/38617		
60134390033	**MW-104_20121127**	SM 2320B	WET/38617		
60134390034	**MW-204_20121127**	SM 2320B	WET/38617		
60134390035	**CHV-101_20121127**	SM 2320B	WET/38617		
60134390036	**P13-102_20121127**	SM 2320B	WET/38617		
60134390037	**P13-103_20121127**	SM 2320B	WET/38618		
60134390038	**AT-2_20121127**	SM 2320B	WET/38618		
60134390039	**POND15_20121127**	SM 2320B	WET/38618		
60134390040	**DR-1 COMP_20121127**	SM 2320B	WET/38618		
60134390041	**DR-2 COMP_20121127**	SM 2320B	WET/38618		
60134390042	**DR-7 COMP_20121127**	SM 2320B	WET/38618		
60134390043	**DR-4-SW COMP_20121127**	SM 2320B	WET/38618		
60134390044	**DR-7 COMPARTMENT 1_20121127**	SM 2320B	WET/38618		
60134390045	**DR-7 COMPARTMENT 2_20121127**	SM 2320B	WET/38618		
60134390046	**DR-7 COMPARTMENT 3_20121127**	SM 2320B	WET/38618		
60134390047	**DR-7 COMPARTMENT 4_20121127**	SM 2320B	WET/38618		
60134390048	**DR-7 COMPARTMENT 5_20121127**	SM 2320B	WET/38618		
60134390049	**EH-5_20121127**	SM 2320B	WET/38618		
60134390050	**EH-5A_20121127**	SM 2320B	WET/38618		
60134390051	**EH-5B_20121127**	SM 2320B	WET/38618		
60134390052	**EH-5C_20121127**	SM 2320B	WET/38618		
60134390053	**EH-5D_POND_20121127**	SM 2320B	WET/38618		
60134390054	**EH-5E_POND_20121127**	SM 2320B	WET/38618		
60134390055	**EH-5E_INFLOW_20121127**	SM 2320B	WET/38618		
60134390056	**EH-5_POND_20121127**	SM 2320B	WET/38618		
60134390057	**POND15_SEEP_20121127**	SM 2320B	WET/38683		
60134390001	**DR-1_20121127**	SM 2540C	WET/38566		
60134390002	**DR-2_20121127**	SM 2540C	WET/38585		
60134390003	**DR-3_20121127**	SM 2540C	WET/38566		
60134390004	**DR-4_20121127**	SM 2540C	WET/38566		
60134390005	**DR-5_20121127**	SM 2540C	WET/38585		
60134390006	**DR-6_20121127**	SM 2540C	WET/38585		
60134390007	**DR-7_20121127**	SM 2540C	WET/38585		
60134390008	**DR-8_20121127**	SM 2540C	WET/38566		
60134390009	**DR-4-SW_20121127**	SM 2540C	WET/38609		
60134390010	**DR-G_20121127**	SM 2540C	WET/38609		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390011	**FB_20121127**	SM 2540C	WET/38566		
60134390012	**GW-1_20121127**	SM 2540C	WET/38566		
60134390013	**GW-3_20121127**	SM 2540C	WET/38609		
60134390014	**GW-4_20121127**	SM 2540C	WET/38566		
60134390015	**GW-5_20121127**	SM 2540C	WET/38567		
60134390016	**GW-6_20121127**	SM 2540C	WET/38567		
60134390017	**GW-7_20121127**	SM 2540C	WET/38567		
60134390018	**EB-1_20121127**	SM 2540C	WET/38567		
60134390019	**EB-2_20121127**	SM 2540C	WET/38567		
60134390020	**MW-1 DEEP_20121127**	SM 2540C	WET/38567		
60134390021	**MW-1 SHALLOW_20121127**	SM 2540C	WET/38567		
60134390022	**MW-2 DEEP_20121127**	SM 2540C	WET/38567		
60134390023	**MW-3 DEEP_20121127**	SM 2540C	WET/38567		
60134390024	**MW-4 DEEP_20121127**	SM 2540C	WET/38567		
60134390025	**MW-4 SHALLOW_20121127**	SM 2540C	WET/38567		
60134390026	**MW-5 DEEP_20121127**	SM 2540C	WET/38567		
60134390027	**MW-5 SHALLOW_20121127**	SM 2540C	WET/38567		
60134390028	**MW-6 DEEP_20121127**	SM 2540C	WET/38567		
60134390029	**MW-6 SHALLOW_20121127**	SM 2540C	WET/38567		
60134390030	**MW-101_20121127**	SM 2540C	WET/38567		
60134390031	**MW-102_20121127**	SM 2540C	WET/38567		
60134390032	**MW-103_20121127**	SM 2540C	WET/38567		
60134390033	**MW-104_20121127**	SM 2540C	WET/38609		
60134390034	**MW-204_20121127**	SM 2540C	WET/38567		
60134390035	**CHV-101_20121127**	SM 2540C	WET/38567		
60134390036	**P13-102_20121127**	SM 2540C	WET/38584		
60134390037	**P13-103_20121127**	SM 2540C	WET/38609		
60134390038	**AT-2_20121127**	SM 2540C	WET/38584		
60134390039	**POND15_20121127**	SM 2540C	WET/38584		
60134390040	**DR-1 COMP_20121127**	SM 2540C	WET/38609		
60134390041	**DR-2 COMP_20121127**	SM 2540C	WET/38609		
60134390042	**DR-7 COMP_20121127**	SM 2540C	WET/38609		
60134390043	**DR-4-SW COMP_20121127**	SM 2540C	WET/38609		
60134390044	**DR-7 COMPARTMENT 1_20121127**	SM 2540C	WET/38609		
60134390045	**DR-7 COMPARTMENT 2_20121127**	SM 2540C	WET/38609		
60134390046	**DR-7 COMPARTMENT 3_20121127**	SM 2540C	WET/38609		
60134390047	**DR-7 COMPARTMENT 4_20121127**	SM 2540C	WET/38609		
60134390048	**DR-7 COMPARTMENT 5_20121127**	SM 2540C	WET/38609		
60134390049	**EH-5_20121127**	SM 2540C	WET/38609		
60134390050	**EH-5A_20121127**	SM 2540C	WET/38609		
60134390051	**EH-5B_20121127**	SM 2540C	WET/38609		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390052	**EH-5C_20121127**	SM 2540C	WET/38609		
60134390053	**EH-5D_POND_20121127**	SM 2540C	WET/38609		
60134390054	**EH-5E_POND_20121127**	SM 2540C	WET/38609		
60134390055	**EH-5E_INFLOW_20121127**	SM 2540C	WET/38610		
60134390056	**EH-5_POND_20121127**	SM 2540C	WET/38610		
60134390057	**POND15_SEEP_20121127**	SM 2540C	WET/38584		
60134390001	**DR-1_20121127**	SM 2540D	WET/38573		
60134390002	**DR-2_20121127**	SM 2540D	WET/38575		
60134390003	**DR-3_20121127**	SM 2540D	WET/38573		
60134390004	**DR-4_20121127**	SM 2540D	WET/38573		
60134390005	**DR-5_20121127**	SM 2540D	WET/38575		
60134390006	**DR-6_20121127**	SM 2540D	WET/38575		
60134390007	**DR-7_20121127**	SM 2540D	WET/38575		
60134390008	**DR-8_20121127**	SM 2540D	WET/38573		
60134390009	**DR-4-SW_20121127**	SM 2540D	WET/38575		
60134390010	**DR-G_20121127**	SM 2540D	WET/38575		
60134390011	**FB_20121127**	SM 2540D	WET/38573		
60134390012	**GW-1_20121127**	SM 2540D	WET/38573		
60134390013	**GW-3_20121127**	SM 2540D	WET/38575		
60134390014	**GW-4_20121127**	SM 2540D	WET/38573		
60134390015	**GW-5_20121127**	SM 2540D	WET/38573		
60134390016	**GW-6_20121127**	SM 2540D	WET/38573		
60134390017	**GW-7_20121127**	SM 2540D	WET/38573		
60134390018	**EB-1_20121127**	SM 2540D	WET/38573		
60134390019	**EB-2_20121127**	SM 2540D	WET/38573		
60134390020	**MW-1 DEEP_20121127**	SM 2540D	WET/38573		
60134390021	**MW-1 SHALLOW_20121127**	SM 2540D	WET/38573		
60134390022	**MW-2 DEEP_20121127**	SM 2540D	WET/38573		
60134390023	**MW-3 DEEP_20121127**	SM 2540D	WET/38573		
60134390024	**MW-4 DEEP_20121127**	SM 2540D	WET/38573		
60134390025	**MW-4 SHALLOW_20121127**	SM 2540D	WET/38573		
60134390026	**MW-5 DEEP_20121127**	SM 2540D	WET/38573		
60134390027	**MW-5 SHALLOW_20121127**	SM 2540D	WET/38573		
60134390028	**MW-6 DEEP_20121127**	SM 2540D	WET/38574		
60134390029	**MW-6 SHALLOW_20121127**	SM 2540D	WET/38574		
60134390030	**MW-101_20121127**	SM 2540D	WET/38574		
60134390031	**MW-102_20121127**	SM 2540D	WET/38574		
60134390032	**MW-103_20121127**	SM 2540D	WET/38574		
60134390033	**MW-104_20121127**	SM 2540D	WET/38575		
60134390034	**MW-204_20121127**	SM 2540D	WET/38574		
60134390035	**CHV-101_20121127**	SM 2540D	WET/38574		
60134390036	**P13-102_20121127**	SM 2540D	WET/38574		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390037	**P13-103_20121127**	SM 2540D	WET/38575		
60134390038	**AT-2_20121127**	SM 2540D	WET/38574		
60134390039	**POND15_20121127**	SM 2540D	WET/38574		
60134390040	**DR-1 COMP_20121127**	SM 2540D	WET/38575		
60134390041	**DR-2 COMP_20121127**	SM 2540D	WET/38575		
60134390042	**DR-7 COMP_20121127**	SM 2540D	WET/38575		
60134390043	**DR-4-SW COMP_20121127**	SM 2540D	WET/38575		
60134390044	**DR-7 COMPARTMENT 1_20121127**	SM 2540D	WET/38604		
60134390045	**DR-7 COMPARTMENT 2_20121127**	SM 2540D	WET/38604		
60134390046	**DR-7 COMPARTMENT 3_20121127**	SM 2540D	WET/38604		
60134390047	**DR-7 COMPARTMENT 4_20121127**	SM 2540D	WET/38604		
60134390048	**DR-7 COMPARTMENT 5_20121127**	SM 2540D	WET/38604		
60134390049	**EH-5_20121127**	SM 2540D	WET/38604		
60134390050	**EH-5A_20121127**	SM 2540D	WET/38604		
60134390051	**EH-5B_20121127**	SM 2540D	WET/38604		
60134390052	**EH-5C_20121127**	SM 2540D	WET/38604		
60134390053	**EH-5D_POND_20121127**	SM 2540D	WET/38604		
60134390054	**EH-5E_POND_20121127**	SM 2540D	WET/38604		
60134390055	**EH-5E_INFLOW_20121127**	SM 2540D	WET/38604		
60134390056	**EH-5_POND_20121127**	SM 2540D	WET/38604		
60134390057	**POND15_SEEP_20121127**	SM 2540D	WET/38574		
60134390001	**DR-1_20121127**	SM 4500-S-2 D	WET/38554		
60134390002	**DR-2_20121127**	SM 4500-S-2 D	WET/38555		
60134390003	**DR-3_20121127**	SM 4500-S-2 D	WET/38554		
60134390004	**DR-4_20121127**	SM 4500-S-2 D	WET/38554		
60134390005	**DR-5_20121127**	SM 4500-S-2 D	WET/38555		
60134390006	**DR-6_20121127**	SM 4500-S-2 D	WET/38555		
60134390007	**DR-7_20121127**	SM 4500-S-2 D	WET/38555		
60134390008	**DR-8_20121127**	SM 4500-S-2 D	WET/38554		
60134390009	**DR-4-SW_20121127**	SM 4500-S-2 D	WET/38555		
60134390010	**DR-G_20121127**	SM 4500-S-2 D	WET/38555		
60134390011	**FB_20121127**	SM 4500-S-2 D	WET/38554		
60134390012	**GW-1_20121127**	SM 4500-S-2 D	WET/38554		
60134390013	**GW-3_20121127**	SM 4500-S-2 D	WET/38555		
60134390014	**GW-4_20121127**	SM 4500-S-2 D	WET/38554		
60134390015	**GW-5_20121127**	SM 4500-S-2 D	WET/38554		
60134390016	**GW-6_20121127**	SM 4500-S-2 D	WET/38554		
60134390017	**GW-7_20121127**	SM 4500-S-2 D	WET/38554		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390018	**EB-1_20121127**	SM 4500-S-2 D	WET/38554		
60134390019	**EB-2_20121127**	SM 4500-S-2 D	WET/38554		
60134390020	**MW-1 DEEP_20121127**	SM 4500-S-2 D	WET/38554		
60134390021	**MW-1 SHALLOW_20121127**	SM 4500-S-2 D	WET/38554		
60134390022	**MW-2 DEEP_20121127**	SM 4500-S-2 D	WET/38554		
60134390023	**MW-3 DEEP_20121127**	SM 4500-S-2 D	WET/38554		
60134390024	**MW-4 DEEP_20121127**	SM 4500-S-2 D	WET/38554		
60134390025	**MW-4 SHALLOW_20121127**	SM 4500-S-2 D	WET/38554		
60134390026	**MW-5 DEEP_20121127**	SM 4500-S-2 D	WET/38554		
60134390027	**MW-5 SHALLOW_20121127**	SM 4500-S-2 D	WET/38554		
60134390028	**MW-6 DEEP_20121127**	SM 4500-S-2 D	WET/38555		
60134390029	**MW-6 SHALLOW_20121127**	SM 4500-S-2 D	WET/38555		
60134390030	**MW-101_20121127**	SM 4500-S-2 D	WET/38555		
60134390031	**MW-102_20121127**	SM 4500-S-2 D	WET/38555		
60134390032	**MW-103_20121127**	SM 4500-S-2 D	WET/38555		
60134390033	**MW-104_20121127**	SM 4500-S-2 D	WET/38555		
60134390034	**MW-204_20121127**	SM 4500-S-2 D	WET/38555		
60134390035	**CHV-101_20121127**	SM 4500-S-2 D	WET/38555		
60134390036	**P13-102_20121127**	SM 4500-S-2 D	WET/38555		
60134390037	**P13-103_20121127**	SM 4500-S-2 D	WET/38555		
60134390038	**AT-2_20121127**	SM 4500-S-2 D	WET/38555		
60134390039	**POND15_20121127**	SM 4500-S-2 D	WET/38555		
60134390040	**DR-1 COMP_20121127**	SM 4500-S-2 D	WET/38556		
60134390041	**DR-2 COMP_20121127**	SM 4500-S-2 D	WET/38556		
60134390042	**DR-7 COMP_20121127**	SM 4500-S-2 D	WET/38556		
60134390043	**DR-4-SW COMP_20121127**	SM 4500-S-2 D	WET/38556		
60134390044	**DR-7 COMPARTMENT 1_20121127**	SM 4500-S-2 D	WET/38556		
60134390045	**DR-7 COMPARTMENT 2_20121127**	SM 4500-S-2 D	WET/38556		
60134390046	**DR-7 COMPARTMENT 3_20121127**	SM 4500-S-2 D	WET/38556		
60134390047	**DR-7 COMPARTMENT 4_20121127**	SM 4500-S-2 D	WET/38556		
60134390048	**DR-7 COMPARTMENT 5_20121127**	SM 4500-S-2 D	WET/38556		
60134390049	**EH-5_20121127**	SM 4500-S-2 D	WET/38556		
60134390050	**EH-5A_20121127**	SM 4500-S-2 D	WET/38556		
60134390051	**EH-5B_20121127**	SM 4500-S-2 D	WET/38556		
60134390052	**EH-5C_20121127**	SM 4500-S-2 D	WET/38556		
60134390053	**EH-5D_POND_20121127**	SM 4500-S-2 D	WET/38556		
60134390054	**EH-5E_POND_20121127**	SM 4500-S-2 D	WET/38556		
60134390055	**EH-5E_INFLOW_20121127**	SM 4500-S-2 D	WET/38556		
60134390056	**EH-5_POND_20121127**	SM 4500-S-2 D	WET/38556		
60134390057	**POND15_SEEP_20121127**	SM 4500-S-2 D	WET/38555		
60134390001	**DR-1_20121127**	EPA 300.0	WETA/22706		
60134390002	**DR-2_20121127**	EPA 300.0	WETA/22706		
60134390003	**DR-3_20121127**	EPA 300.0	WETA/22706		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390004	DR-4_20121127	EPA 300.0	WETA/22706		
60134390005	DR-5_20121127	EPA 300.0	WETA/22706		
60134390006	DR-6_20121127	EPA 300.0	WETA/22706		
60134390007	DR-7_20121127	EPA 300.0	WETA/22706		
60134390008	DR-8_20121127	EPA 300.0	WETA/22706		
60134390009	DR-4-SW_20121127	EPA 300.0	WETA/22706		
60134390010	DR-G_20121127	EPA 300.0	WETA/22732		
60134390011	FB_20121127	EPA 300.0	WETA/22706		
60134390012	GW-1_20121127	EPA 300.0	WETA/22706		
60134390013	GW-3_20121127	EPA 300.0	WETA/22706		
60134390014	GW-4_20121127	EPA 300.0	WETA/22706		
60134390015	GW-5_20121127	EPA 300.0	WETA/22706		
60134390016	GW-6_20121127	EPA 300.0	WETA/22706		
60134390017	GW-7_20121127	EPA 300.0	WETA/22706		
60134390018	EB-1_20121127	EPA 300.0	WETA/22706		
60134390019	EB-2_20121127	EPA 300.0	WETA/22706		
60134390020	MW-1 DEEP_20121127	EPA 300.0	WETA/22732		
60134390021	MW-1 SHALLOW_20121127	EPA 300.0	WETA/22732		
60134390022	MW-2 DEEP_20121127	EPA 300.0	WETA/22732		
60134390023	MW-3 DEEP_20121127	EPA 300.0	WETA/22732		
60134390024	MW-4 DEEP_20121127	EPA 300.0	WETA/22732		
60134390025	MW-4 SHALLOW_20121127	EPA 300.0	WETA/22732		
60134390026	MW-5 DEEP_20121127	EPA 300.0	WETA/22732		
60134390027	MW-5 SHALLOW_20121127	EPA 300.0	WETA/22748		
60134390028	MW-6 DEEP_20121127	EPA 300.0	WETA/22732		
60134390029	MW-6 SHALLOW_20121127	EPA 300.0	WETA/22748		
60134390030	MW-101_20121127	EPA 300.0	WETA/22732		
60134390031	MW-102_20121127	EPA 300.0	WETA/22732		
60134390032	MW-103_20121127	EPA 300.0	WETA/22732		
60134390033	MW-104_20121127	EPA 300.0	WETA/22732		
60134390034	MW-204_20121127	EPA 300.0	WETA/22732		
60134390035	CHV-101_20121127	EPA 300.0	WETA/22732		
60134390036	P13-102_20121127	EPA 300.0	WETA/22732		
60134390037	P13-103_20121127	EPA 300.0	WETA/22732		
60134390038	AT-2_20121127	EPA 300.0	WETA/22732		
60134390039	POND15_20121127	EPA 300.0	WETA/22748		
60134390040	DR-1 COMP_20121127	EPA 300.0	WETA/22748		
60134390041	DR-2 COMP_20121127	EPA 300.0	WETA/22748		
60134390042	DR-7 COMP_20121127	EPA 300.0	WETA/22748		
60134390043	DR-4-SW COMP_20121127	EPA 300.0	WETA/22748		
60134390044	DR-7 COMPARTMENT 1_20121127	EPA 300.0	WETA/22748		
60134390045	DR-7 COMPARTMENT 2_20121127	EPA 300.0	WETA/22748		
60134390046	DR-7 COMPARTMENT 3_20121127	EPA 300.0	WETA/22748		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 300.0	WETA/22749		
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 300.0	WETA/22749		
60134390049	**EH-5_20121127**	EPA 300.0	WETA/22749		
60134390050	**EH-5A_20121127**	EPA 300.0	WETA/22749		
60134390051	**EH-5B_20121127**	EPA 300.0	WETA/22749		
60134390052	**EH-5C_20121127**	EPA 300.0	WETA/22749		
60134390053	**EH-5D_POND_20121127**	EPA 300.0	WETA/22749		
60134390054	**EH-5E_POND_20121127**	EPA 300.0	WETA/22749		
60134390055	**EH-5E_INFLOW_20121127**	EPA 300.0	WETA/22749		
60134390056	**EH-5_POND_20121127**	EPA 300.0	WETA/22749		
60134390057	**POND15_SEEP_20121127**	EPA 300.0	WETA/22749		
60134390001	**DR-1_20121127**	EPA 353.2	WETA/22812		
60134390002	**DR-2_20121127**	EPA 353.2	WETA/22812		
60134390003	**DR-3_20121127**	EPA 353.2	WETA/22812		
60134390004	**DR-4_20121127**	EPA 353.2	WETA/22812		
60134390005	**DR-5_20121127**	EPA 353.2	WETA/22812		
60134390006	**DR-6_20121127**	EPA 353.2	WETA/22812		
60134390007	**DR-7_20121127**	EPA 353.2	WETA/22812		
60134390008	**DR-8_20121127**	EPA 353.2	WETA/22812		
60134390009	**DR-4-SW_20121127**	EPA 353.2	WETA/22812		
60134390010	**DR-G_20121127**	EPA 353.2	WETA/22812		
60134390011	**FB_20121127**	EPA 353.2	WETA/22813		
60134390012	**GW-1_20121127**	EPA 353.2	WETA/22813		
60134390013	**GW-3_20121127**	EPA 353.2	WETA/22813		
60134390014	**GW-4_20121127**	EPA 353.2	WETA/22813		
60134390015	**GW-5_20121127**	EPA 353.2	WETA/22813		
60134390016	**GW-6_20121127**	EPA 353.2	WETA/22813		
60134390017	**GW-7_20121127**	EPA 353.2	WETA/22813		
60134390018	**EB-1_20121127**	EPA 353.2	WETA/22813		
60134390019	**EB-2_20121127**	EPA 353.2	WETA/22813		
60134390020	**MW-1 DEEP_20121127**	EPA 353.2	WETA/22813		
60134390021	**MW-1 SHALLOW_20121127**	EPA 353.2	WETA/22814		
60134390022	**MW-2 DEEP_20121127**	EPA 353.2	WETA/22814		
60134390023	**MW-3 DEEP_20121127**	EPA 353.2	WETA/22814		
60134390024	**MW-4 DEEP_20121127**	EPA 353.2	WETA/22814		
60134390025	**MW-4 SHALLOW_20121127**	EPA 353.2	WETA/22814		
60134390026	**MW-5 DEEP_20121127**	EPA 353.2	WETA/22814		
60134390027	**MW-5 SHALLOW_20121127**	EPA 353.2	WETA/22814		
60134390028	**MW-6 DEEP_20121127**	EPA 353.2	WETA/22814		
60134390029	**MW-6 SHALLOW_20121127**	EPA 353.2	WETA/22814		
60134390030	**MW-101_20121127**	EPA 353.2	WETA/22814		
60134390031	**MW-102_20121127**	EPA 353.2	WETA/22815		
60134390032	**MW-103_20121127**	EPA 353.2	WETA/22815		
60134390033	**MW-104_20121127**	EPA 353.2	WETA/22815		
60134390034	**MW-204_20121127**	EPA 353.2	WETA/22815		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390035	**CHV-101_20121127**	EPA 353.2	WETA/22815		
60134390036	**P13-102_20121127**	EPA 353.2	WETA/22815		
60134390037	**P13-103_20121127**	EPA 353.2	WETA/22815		
60134390038	**AT-2_20121127**	EPA 353.2	WETA/22815		
60134390039	**POND15_20121127**	EPA 353.2	WETA/22815		
60134390040	**DR-1 COMP_20121127**	EPA 353.2	WETA/22815		
60134390041	**DR-2 COMP_20121127**	EPA 353.2	WETA/22816		
60134390042	**DR-7 COMP_20121127**	EPA 353.2	WETA/22816		
60134390043	**DR-4-SW COMP_20121127**	EPA 353.2	WETA/22816		
60134390044	**DR-7 COMPARTMENT 1_20121127**	EPA 353.2	WETA/22816		
60134390045	**DR-7 COMPARTMENT 2_20121127**	EPA 353.2	WETA/22816		
60134390046	**DR-7 COMPARTMENT 3_20121127**	EPA 353.2	WETA/22816		
60134390047	**DR-7 COMPARTMENT 4_20121127**	EPA 353.2	WETA/22816		
60134390048	**DR-7 COMPARTMENT 5_20121127**	EPA 353.2	WETA/22816		
60134390049	**EH-5_20121127**	EPA 353.2	WETA/22816		
60134390050	**EH-5A_20121127**	EPA 353.2	WETA/22816		
60134390051	**EH-5B_20121127**	EPA 353.2	WETA/22817		
60134390052	**EH-5C_20121127**	EPA 353.2	WETA/22817		
60134390053	**EH-5D_POND_20121127**	EPA 353.2	WETA/22817		
60134390054	**EH-5E_POND_20121127**	EPA 353.2	WETA/22817		
60134390055	**EH-5E_INFLOW_20121127**	EPA 353.2	WETA/22817		
60134390056	**EH-5_POND_20121127**	EPA 353.2	WETA/22817		
60134390057	**POND15_SEEP_20121127**	EPA 353.2	WETA/22817		
60134390001	**DR-1_20121127**	SM 4500-CN-E	WETA/22786		
60134390002	**DR-2_20121127**	SM 4500-CN-E	WETA/22786		
60134390003	**DR-3_20121127**	SM 4500-CN-E	WETA/22786		
60134390004	**DR-4_20121127**	SM 4500-CN-E	WETA/22786		
60134390005	**DR-5_20121127**	SM 4500-CN-E	WETA/22786		
60134390006	**DR-6_20121127**	SM 4500-CN-E	WETA/22786		
60134390007	**DR-7_20121127**	SM 4500-CN-E	WETA/22786		
60134390008	**DR-8_20121127**	SM 4500-CN-E	WETA/22786		
60134390009	**DR-4-SW_20121127**	SM 4500-CN-E	WETA/22786		
60134390010	**DR-G_20121127**	SM 4500-CN-E	WETA/22786		
60134390011	**FB_20121127**	SM 4500-CN-E	WETA/22786		
60134390012	**GW-1_20121127**	SM 4500-CN-E	WETA/22786		
60134390013	**GW-3_20121127**	SM 4500-CN-E	WETA/22786		
60134390014	**GW-4_20121127**	SM 4500-CN-E	WETA/22786		
60134390015	**GW-5_20121127**	SM 4500-CN-E	WETA/22786		
60134390016	**GW-6_20121127**	SM 4500-CN-E	WETA/22786		
60134390017	**GW-7_20121127**	SM 4500-CN-E	WETA/22786		
60134390018	**EB-1_20121127**	SM 4500-CN-E	WETA/22786		
60134390019	**EB-2_20121127**	SM 4500-CN-E	WETA/22786		
60134390020	**MW-1 DEEP_20121127**	SM 4500-CN-E	WETA/22786		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390021	**MW-1 SHALLOW_20121127**	SM 4500-CN-E	WETA/22787		
60134390022	**MW-2 DEEP_20121127**	SM 4500-CN-E	WETA/22787		
60134390023	**MW-3 DEEP_20121127**	SM 4500-CN-E	WETA/22787		
60134390024	**MW-4 DEEP_20121127**	SM 4500-CN-E	WETA/22787		
60134390025	**MW-4 SHALLOW_20121127**	SM 4500-CN-E	WETA/22787		
60134390026	**MW-5 DEEP_20121127**	SM 4500-CN-E	WETA/22787		
60134390027	**MW-5 SHALLOW_20121127**	SM 4500-CN-E	WETA/22787		
60134390028	**MW-6 DEEP_20121127**	SM 4500-CN-E	WETA/22787		
60134390029	**MW-6 SHALLOW_20121127**	SM 4500-CN-E	WETA/22787		
60134390030	**MW-101_20121127**	SM 4500-CN-E	WETA/22787		
60134390031	**MW-102_20121127**	SM 4500-CN-E	WETA/22787		
60134390032	**MW-103_20121127**	SM 4500-CN-E	WETA/22787		
60134390033	**MW-104_20121127**	SM 4500-CN-E	WETA/22787		
60134390034	**MW-204_20121127**	SM 4500-CN-E	WETA/22787		
60134390035	**CHV-101_20121127**	SM 4500-CN-E	WETA/22787		
60134390036	**P13-102_20121127**	SM 4500-CN-E	WETA/22787		
60134390037	**P13-103_20121127**	SM 4500-CN-E	WETA/22787		
60134390038	**AT-2_20121127**	SM 4500-CN-E	WETA/22787		
60134390039	**POND15_20121127**	SM 4500-CN-E	WETA/22787		
60134390040	**DR-1 COMP_20121127**	SM 4500-CN-E	WETA/22787		
60134390041	**DR-2 COMP_20121127**	SM 4500-CN-E	WETA/22788		
60134390042	**DR-7 COMP_20121127**	SM 4500-CN-E	WETA/22788		
60134390043	**DR-4-SW COMP_20121127**	SM 4500-CN-E	WETA/22788		
60134390044	**DR-7 COMPARTMENT 1_20121127**	SM 4500-CN-E	WETA/22788		
60134390045	**DR-7 COMPARTMENT 2_20121127**	SM 4500-CN-E	WETA/22788		
60134390046	**DR-7 COMPARTMENT 3_20121127**	SM 4500-CN-E	WETA/22788		
60134390047	**DR-7 COMPARTMENT 4_20121127**	SM 4500-CN-E	WETA/22788		
60134390048	**DR-7 COMPARTMENT 5_20121127**	SM 4500-CN-E	WETA/22788		
60134390049	**EH-5_20121127**	SM 4500-CN-E	WETA/22788		
60134390050	**EH-5A_20121127**	SM 4500-CN-E	WETA/22788		
60134390051	**EH-5B_20121127**	SM 4500-CN-E	WETA/22788		
60134390052	**EH-5C_20121127**	SM 4500-CN-E	WETA/22788		
60134390053	**EH-5D_POND_20121127**	SM 4500-CN-E	WETA/22788		
60134390054	**EH-5E_POND_20121127**	SM 4500-CN-E	WETA/22788		
60134390055	**EH-5E_INFLOW_20121127**	SM 4500-CN-E	WETA/22788		
60134390056	**EH-5_POND_20121127**	SM 4500-CN-E	WETA/22788		
60134390057	**POND15_SEEP_20121127**	SM 4500-CN-E	WETA/22788		
60134390001	**DR-1_20121127**	SM 5310C	WETA/22752		
60134390002	**DR-2_20121127**	SM 5310C	WETA/22752		
60134390003	**DR-3_20121127**	SM 5310C	WETA/22752		
60134390004	**DR-4_20121127**	SM 5310C	WETA/22752		
60134390005	**DR-5_20121127**	SM 5310C	WETA/22752		
60134390006	**DR-6_20121127**	SM 5310C	WETA/22752		
60134390007	**DR-7_20121127**	SM 5310C	WETA/22752		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390008	**DR-8_20121127**	SM 5310C	WETA/22752		
60134390009	**DR-4-SW_20121127**	SM 5310C	WETA/22752		
60134390010	**DR-G_20121127**	SM 5310C	WETA/22752		
60134390011	**FB_20121127**	SM 5310C	WETA/22752		
60134390012	**GW-1_20121127**	SM 5310C	WETA/22752		
60134390013	**GW-3_20121127**	SM 5310C	WETA/22752		
60134390014	**GW-4_20121127**	SM 5310C	WETA/22752		
60134390015	**GW-5_20121127**	SM 5310C	WETA/22752		
60134390016	**GW-6_20121127**	SM 5310C	WETA/22752		
60134390017	**GW-7_20121127**	SM 5310C	WETA/22752		
60134390018	**EB-1_20121127**	SM 5310C	WETA/22752		
60134390019	**EB-2_20121127**	SM 5310C	WETA/22752		
60134390020	**MW-1 DEEP_20121127**	SM 5310C	WETA/22777		
60134390021	**MW-1 SHALLOW_20121127**	SM 5310C	WETA/22777		
60134390022	**MW-2 DEEP_20121127**	SM 5310C	WETA/22777		
60134390023	**MW-3 DEEP_20121127**	SM 5310C	WETA/22777		
60134390024	**MW-4 DEEP_20121127**	SM 5310C	WETA/22777		
60134390025	**MW-4 SHALLOW_20121127**	SM 5310C	WETA/22777		
60134390026	**MW-5 DEEP_20121127**	SM 5310C	WETA/22777		
60134390027	**MW-5 SHALLOW_20121127**	SM 5310C	WETA/22777		
60134390028	**MW-6 DEEP_20121127**	SM 5310C	WETA/22777		
60134390029	**MW-6 SHALLOW_20121127**	SM 5310C	WETA/22777		
60134390030	**MW-101_20121127**	SM 5310C	WETA/22777		
60134390031	**MW-102_20121127**	SM 5310C	WETA/22777		
60134390032	**MW-103_20121127**	SM 5310C	WETA/22777		
60134390033	**MW-104_20121127**	SM 5310C	WETA/22777		
60134390034	**MW-204_20121127**	SM 5310C	WETA/22777		
60134390035	**CHV-101_20121127**	SM 5310C	WETA/22777		
60134390036	**P13-102_20121127**	SM 5310C	WETA/22777		
60134390037	**P13-103_20121127**	SM 5310C	WETA/22777		
60134390038	**AT-2_20121127**	SM 5310C	WETA/22777		
60134390039	**POND15_20121127**	SM 5310C	WETA/22777		
60134390040	**DR-1 COMP_20121127**	SM 5310C	WETA/22789		
60134390041	**DR-2 COMP_20121127**	SM 5310C	WETA/22789		
60134390042	**DR-7 COMP_20121127**	SM 5310C	WETA/22789		
60134390043	**DR-4-SW COMP_20121127**	SM 5310C	WETA/22789		
60134390044	**DR-7 COMPARTMENT 1_20121127**	SM 5310C	WETA/22789		
60134390045	**DR-7 COMPARTMENT 2_20121127**	SM 5310C	WETA/22789		
60134390046	**DR-7 COMPARTMENT 3_20121127**	SM 5310C	WETA/22789		
60134390047	**DR-7 COMPARTMENT 4_20121127**	SM 5310C	WETA/22789		
60134390048	**DR-7 COMPARTMENT 5_20121127**	SM 5310C	WETA/22789		
60134390049	**EH-5_20121127**	SM 5310C	WETA/22789		
60134390050	**EH-5A_20121127**	SM 5310C	WETA/22789		
60134390051	**EH-5B_20121127**	SM 5310C	WETA/22789		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NOVEMBER 2012 RICO WATER SAMPL
Pace Project No.: 60134390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60134390052	**EH-5C_20121127**	SM 5310C	WETA/22789		
60134390053	**EH-5D_POND_20121127**	SM 5310C	WETA/22789		
60134390054	**EH-5E_POND_20121127**	SM 5310C	WETA/22789		
60134390055	**EH-5E_INFLOW_20121127**	SM 5310C	WETA/22789		
60134390056	**EH-5_POND_20121127**	SM 5310C	WETA/22789		
60134390057	**POND15_SEEP_20121127**	SM 5310C	WETA/22789		

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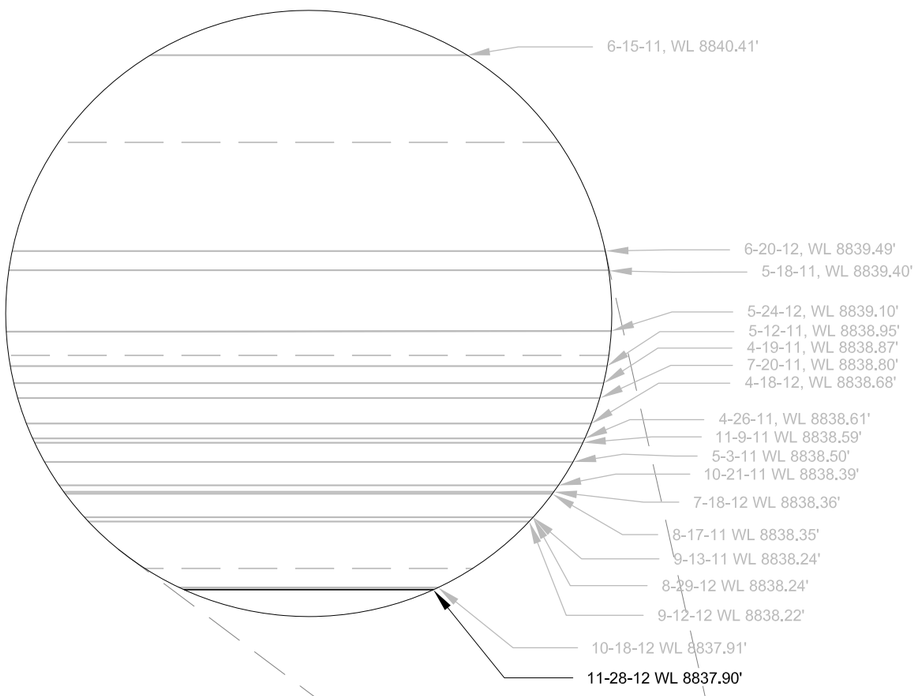
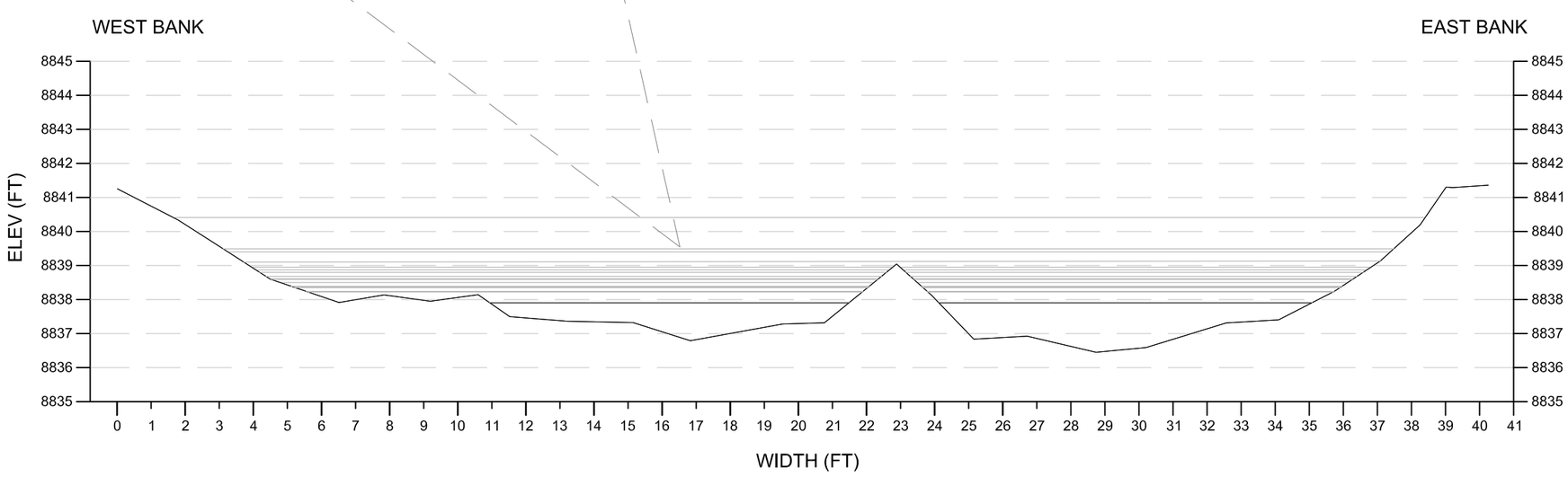
Appendix E

Flow Cross Sections



DR-1 CROSS SECTION



4 **CROSS SECTION AT DR-1**

SCALE - 1" = 4'

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General Notes

Scale in Feet
0 2 4

No.	Revision/Issue	Date

ATLANTIC RICHFIELD COMPANY

ANDERSON
ENGINEERING COMPANY, INC.

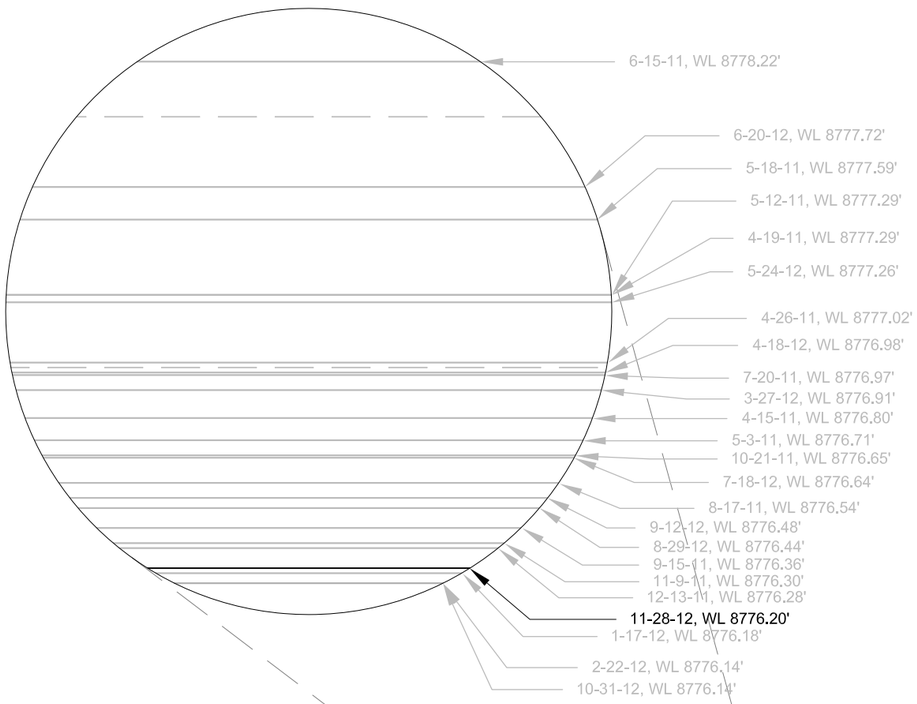
DRAWN BY: MAD
ENGINEER: CS, MAD
APPROVED:

RICO SURFACE WATER SAMPLING

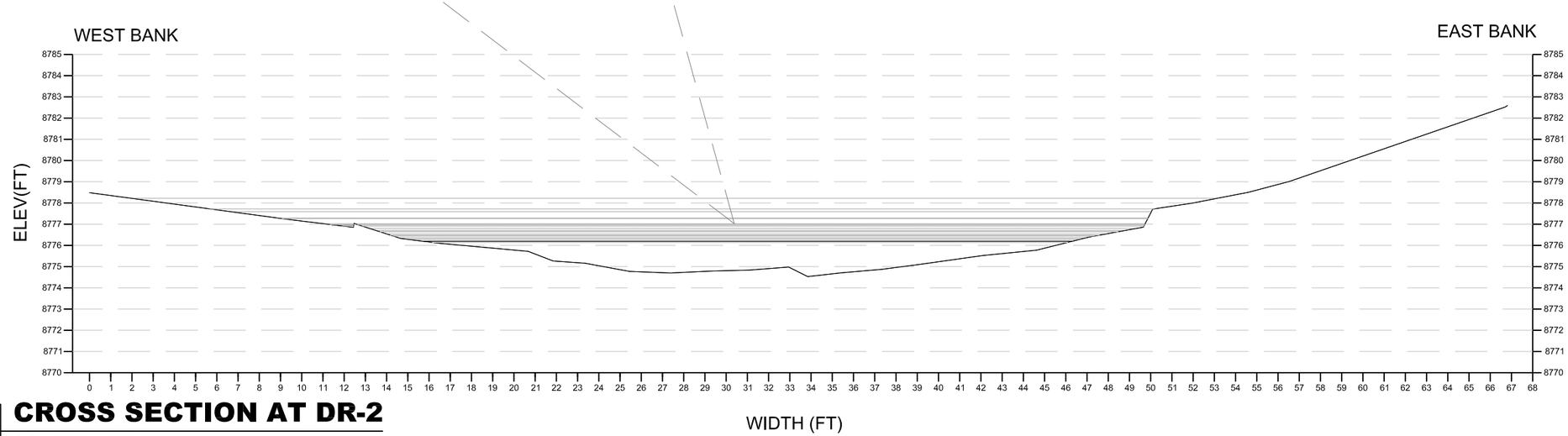
DOLORES RIVER CROSS SECTION AT SAMPLING STATION DR-1

RICO, CO

Project
Date 28-NOV-2012
Scale
Figure 4



DR-2 CROSS SECTION



5 **CROSS SECTION AT DR-2**

SCALE - 1" = 6'

General Notes

Scale in Feet
0 3 6

No.	Revision/Issue	Date

ATLANTIC RICHFIELD COMPANY

ANDERSON
ENGINEERING COMPANY, INC.

DRAWN BY: MAD
ENGINEER: CS, MAD
APPROVED:

RICO SURFACE WATER SAMPLING

DOLORES RIVER CROSS SECTION AT SAMPLING STATION DR-2

RICO, CO

Project
Date 28-NOV-2012
Scale
Figure 5

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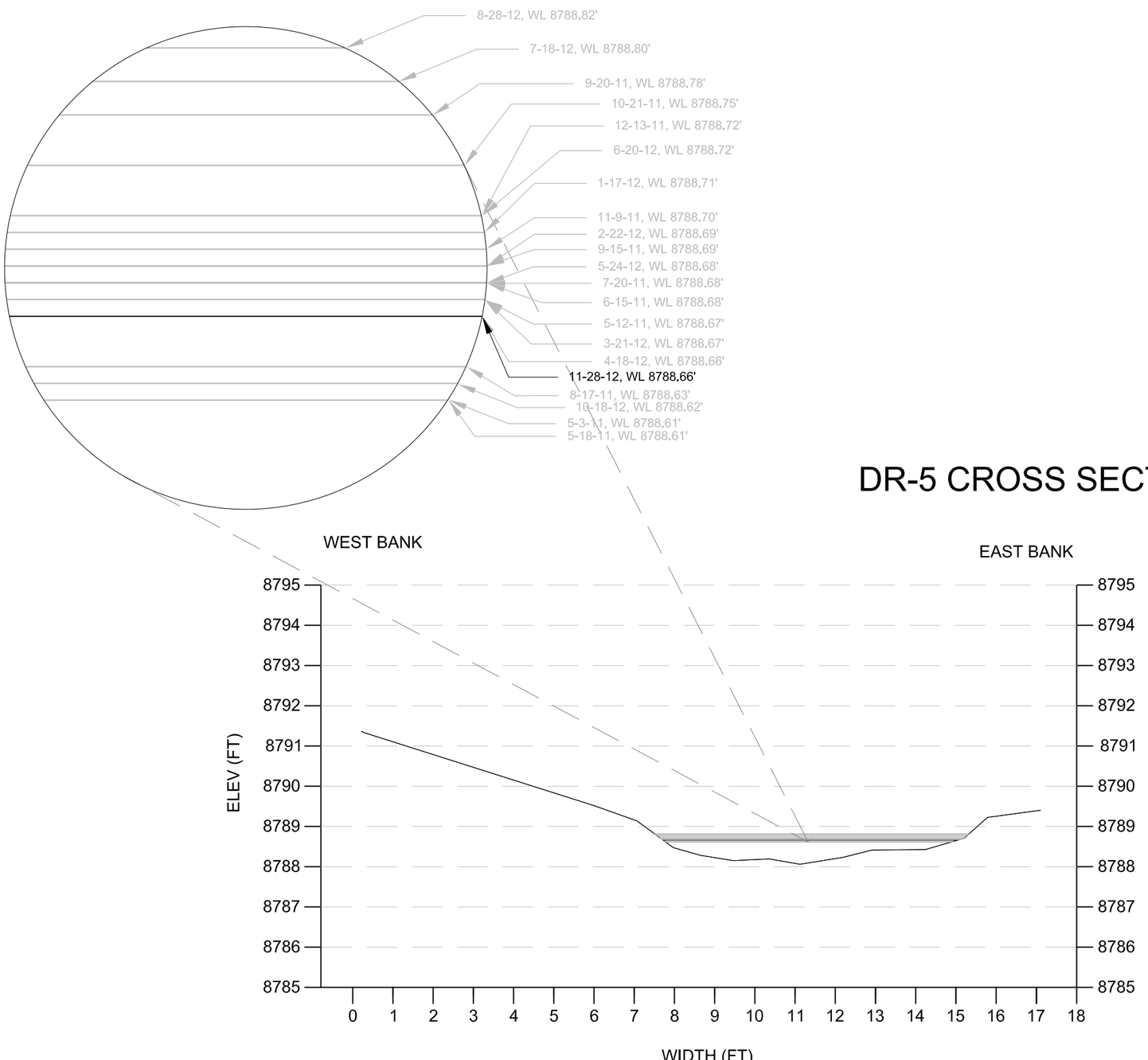
DR-5 CROSS SECTION



6 **CROSS SECTION AT DR-5**

SCALE - 1" = 3'

General Notes

Scale in Feet
0 1.5 3

No.	Revision/Issue	Date

ATLANTIC RICHFIELD COMPANY

ANDERSON
ENGINEERING COMPANY, INC.

DRAWN BY: MAD
ENGINEER: CS, MAD
APPROVED:

RICO SURFACE WATER SAMPLING

POND 8 EMBANKMENT CROSS SECTION AT SAMPLING STATION DR-5

RICO, CO

Project
Date 28-NOV-2012
Scale
Figure 6

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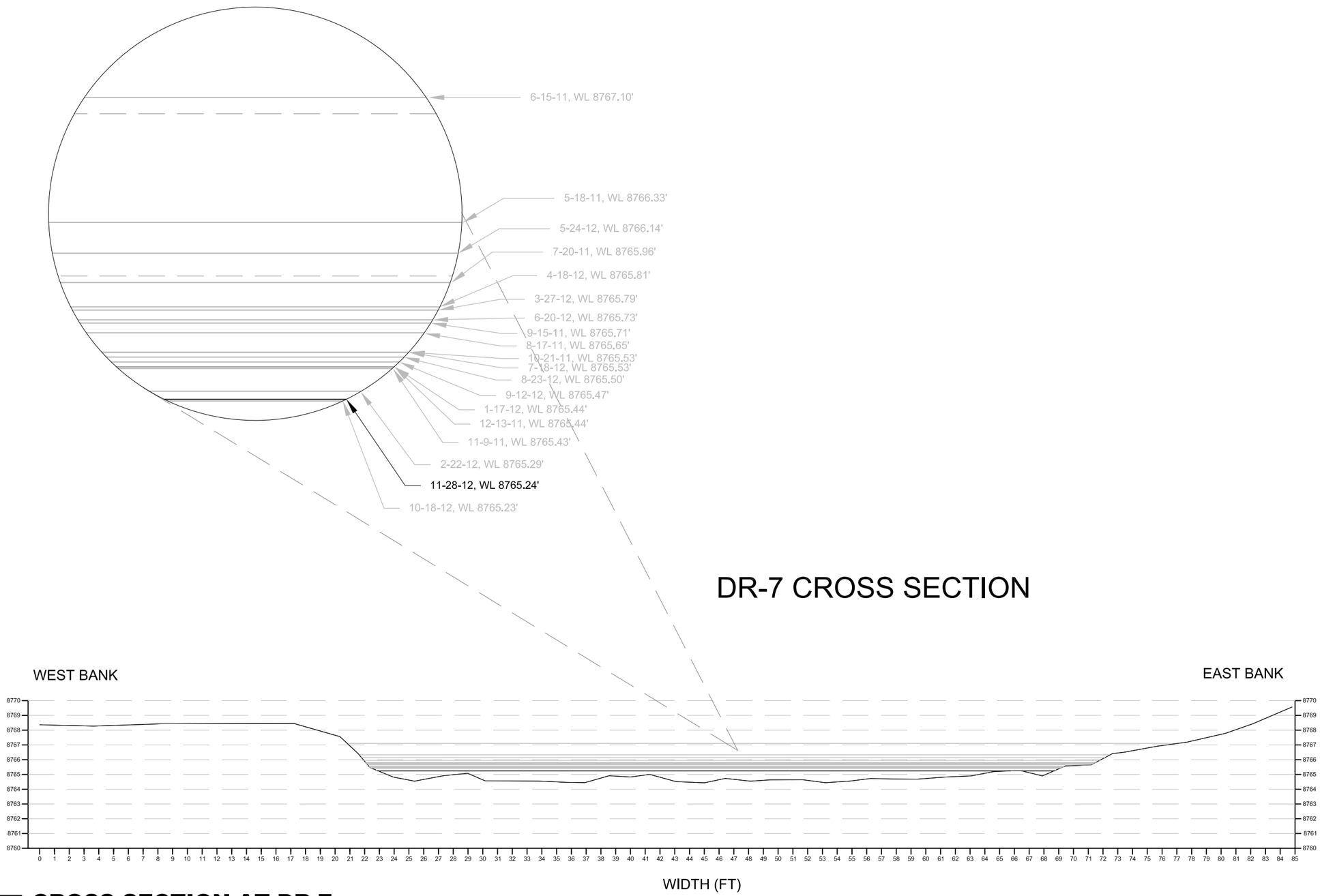

DR-7 CROSS SECTION

7 CROSS SECTION AT DR-7

SCALE - 1" = 7'

General Notes

Scale in Feet
0 3.5 7

No.	Revision/Issue	Date

ATLANTIC RICHFIELD COMPANY

ANDERSON
ENGINEERING COMPANY, INC.

DRAWN BY: MAD
ENGINEER: CS, MAD
APPROVED:

RICO SURFACE WATER SAMPLING

DOLORES RIVER CROSS SECTION AT SAMPLING STATION DR-7

RICO, CO

Project
Date 28-NOV-2012
Scale
Figure 7

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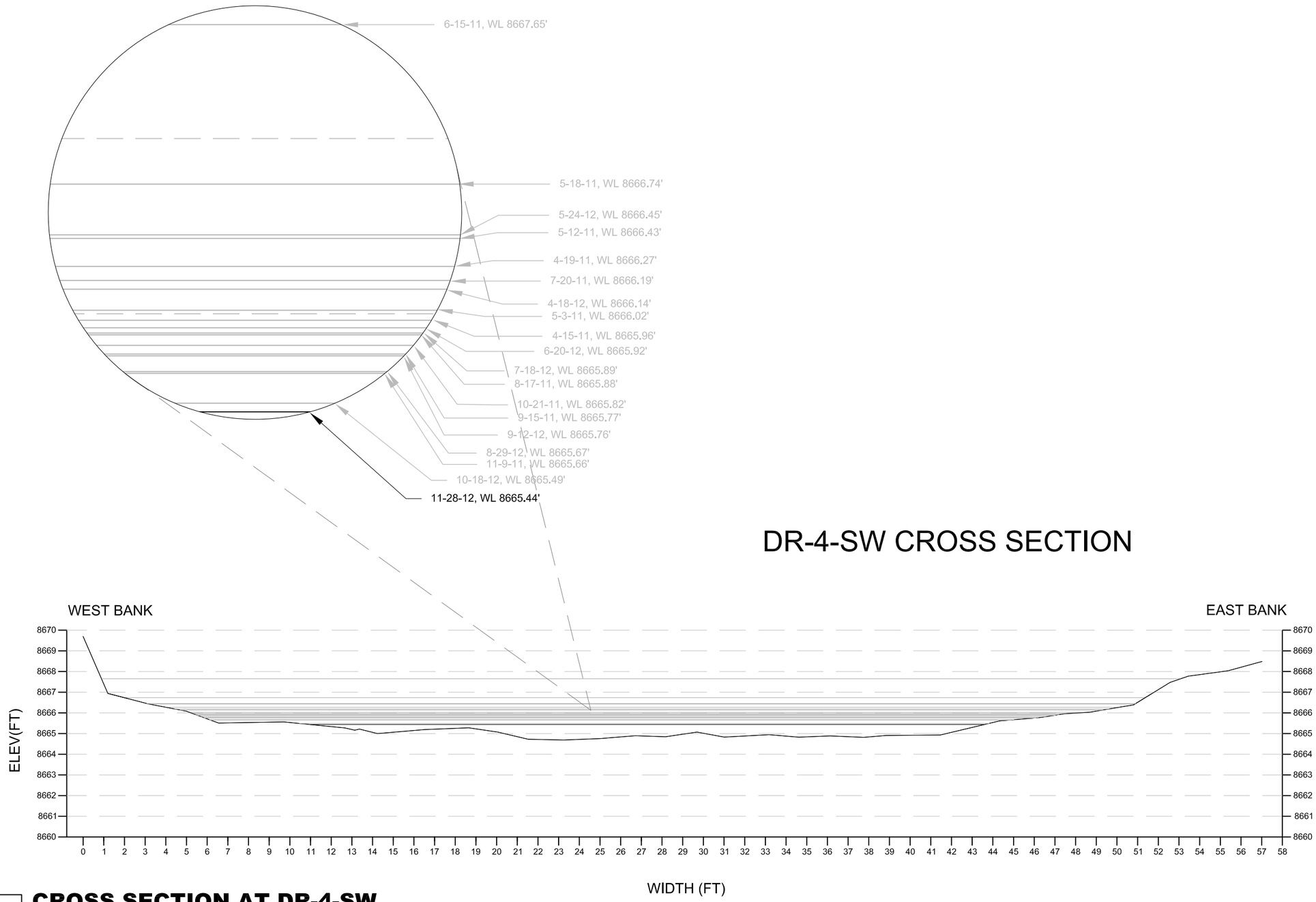

8 **CROSS SECTION AT DR-4-SW**

SCALE - 1" = 5'

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General Notes

Scale in Feet

0 2.5 5

No.	Revision/Issue	Date

ATLANTIC RICHFIELD COMPANY

ANDERSON ENGINEERING COMPANY, INC.

DRAWN BY: MAD

ENGINEER: CS, MAD

APPROVED:

RICO SURFACE WATER SAMPLING

DOLORES RIVER CROSS SECTION AT SAMPLING STATION DR-4-SW

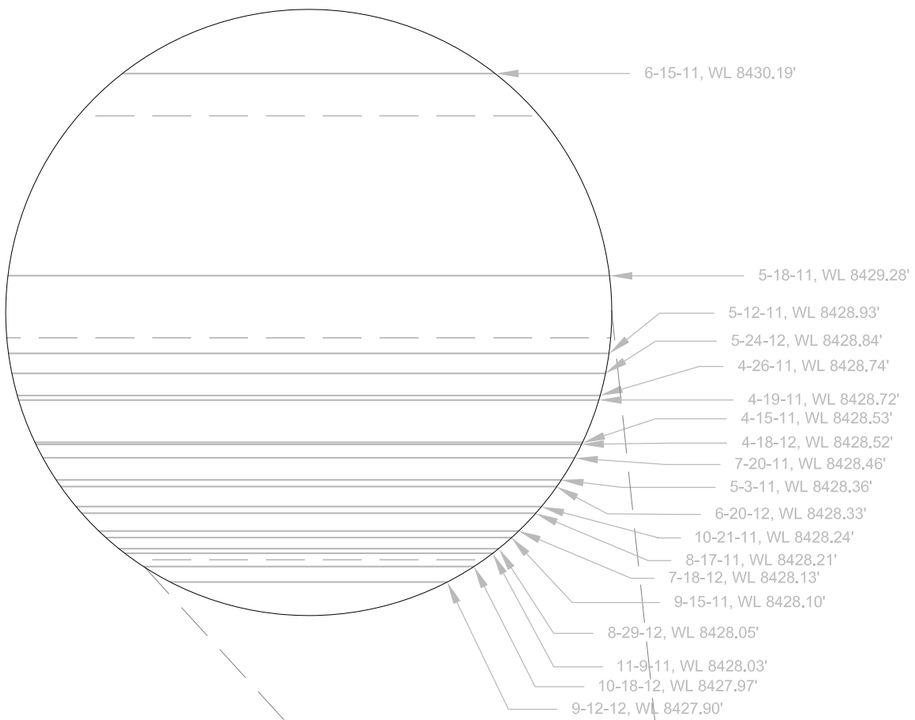
RICO, CO

Project

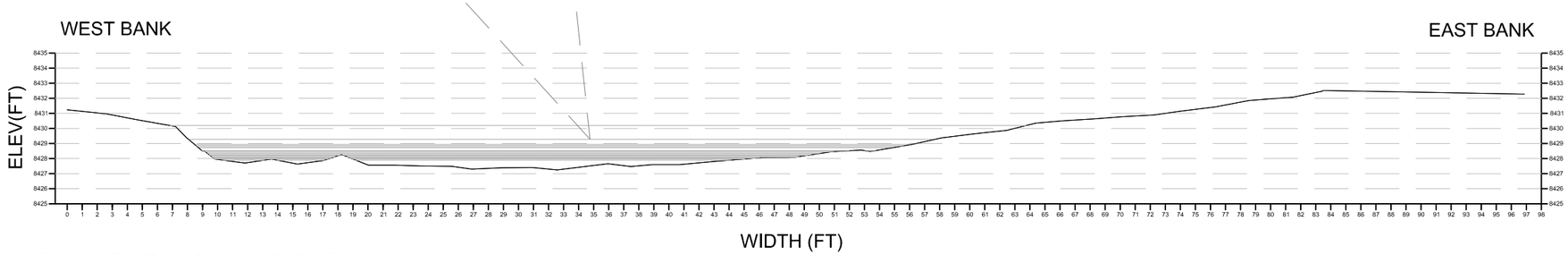
Date 28-NOV-2012

Scale

Figure 8



DR-G CROSS SECTION



9 CROSS SECTION AT DR-G

SCALE - 1" = 9'

General Notes

NOTE: COULD NOT OBTAIN FLOW DUE TO LARGE ICE SHELF OVER RIVER PREVENTING SAFE ACCESS

Scale in Feet
0 4.5 9

No.	Revision/Issue	Date

ATLANTIC RICHFIELD COMPANY

ANDERSON ENGINEERING COMPANY, INC.

DRAWN BY: MAD
ENGINEER: CS, MAD
APPROVED:

RICO SURFACE WATER SAMPLING

DOLORES RIVER CROSS SECTION AT SAMPLING STATION DR-G

RICO, CO

Project
Date 28-NOV-2012
Scale
Figure 9

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF ANDERSON ENGINEERING COMPANY, INC., 977 WEST 2100 SOUTH, SALT LAKE CITY, UTAH, 84119 AND SHALL NOT BE COPIED, REDUCED, OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

Appendix F

Chain of Custody Records

Pace Analytical
www.pacelabs.com

Sample Condition Upon Receipt
ESI Tech Spec Client

WO#: 60134390

60134390

Client Name: BP Anderson Project #:

Optional
Proj Due Date:
Proj Name:

Courier: Fed Ex ☐ UPS ☑ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other ☐

Tracking #: See paperwork Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☑ ZPU

Thermometer Used: (T-191) T-194 **Type of Ice:** (Wet) Blue None ☐ Samples received on ice, cooling process has begun.
(circle one)

Cooler Temperature: See paperwork

Temperature should be above freezing to 6°C

Date and initials of person examining contents: 11/30/12 BA

Chain of Custody present:	☑Yes ☐No ☐N/A	1.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☐Yes ☑No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	7.
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	9.
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes ☐No ☑N/A	11.
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	12.
Sample labels match COC:	☑Yes ☐No ☐N/A	
Includes date/time/ID/analyses Matrix: WT		13.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	14.
Exceptions: VOA, coliform, (TOC), O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed / Lot # of added preservative
Trip Blank present:	☐Yes ☐No ☑N/A	
Pace Trip Blank lot # (if purchased):		15.
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / (N) Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Temp Log: Record start and finish times when unpacking cooler, if >20 min, recheck sample temps.	
Start: 1300	Start: 1600
End: 1300	End: 1620
Temp: 4.5	Temp:

Project Manager Review: [signature] Date: 11/30/12

F-KS-C-004-Rev.1,10October2012

ANDERSON
ENGINEERING COMPANY INC.

977 West 2100 South
Salt Lake City, UT 84119
(801) 972-6222
FAX (801) 972-6235

CHAIN OF CUSTODY RECORD

COC# 60134390
Page 1 of 3

Project: November 2012 Rico Water Sampling

Contact: Mark DeFriez (801) 234-9583

Matrix Codes
(W) Water
(S) Soil
(L) Liquid

QC: (circle one)
I II III IV

Field Location	Field Sample ID Number	Date	Time	Matrix	No. of Containers	Total Metals / Hardness / Silica	Potentially Dissolved Metal	Dissolved Metals	Alkalinity / TDS / TSS / Sulfate / Chloride	Cyanide	Salinity	Total Organic Carbon / Nitrate	Sulfide					COMMENTS	
DR-1	DR-1_20121127	11/27/2012	10:25 AM	W	8	X	X	X	X	X	X	X	X					1BP3Z 1BP3C 1AG3S 2BP3N 1BP3F 1BP2U 1BP3U	001
DR-2	DR-2_20121127	11/28/2012	9:35 AM	W	8	X	X	X	X	X	X	X	X						002
DR-3	DR-3_20121127	11/27/2012	11:02 AM	W	8	X	X	X	X	X	X	X	X						003
DR-4	DR-4_20121127	11/27/2012	11:45 AM	W	8	X	X	X	X	X	X	X	X						004
DR-5	DR-5_20121127	11/28/2012	9:30 AM	W	8	X	X	X	X	X	X	X	X						005
DR-6	DR-6_20121127	11/28/2012	8:50 AM	W	8	X	X	X	X	X	X	X	X						006
DR-7	DR-7_20121127	11/28/2012	2:20 PM	W	8	X	X	X	X	X	X	X	X						007
DR-8	DR-8_20121127	11/27/2012	11:10 AM	W	8	X	X	X	X	X	X	X	X						008
DR-4-SW	DR-4-SW_20121127	11/28/2012	4:10 PM	W	8	X	X	X	X	X	X	X	X						009
DR-G	DR-G_20121127	11/28/2012	4:55 PM	W	8	X	X	X	X	X	X	X	X						010
FB	FB_20121127	11/27/2012	10:50 AM	W	8	X	X	X	X	X	X	X	X						011
GW-1	GW-1_20121127	11/27/2012	10:30 AM	W	8	X	X	X	X	X	X	X	X						012
GW-3	GW-3_20121127	11/28/2012	4:30 PM	W	8	X	X	X	X	X	X	X	X						013
GW-4	GW-4_20121127	11/27/2012	12:30 PM	W	8	X	X	X	X	X	X	X	X						014
GW-5	GW-5_20121127	11/27/2012	12:40 PM	W	8	X	X	X	X	X	X	X	X						015
GW-6	GW-6_20121127	11/27/2012	2:15 PM	W	8	X	X	X	X	X	X	X	X						016
GW-7	GW-7_20121127	11/27/2012	1:20 PM	W	8	X	X	X	X	X	X	X	X						017
EB-1	EB-1_20121127	11/27/2012	12:50 PM	W	8	X	X	X	X	X	X	X	X						018
EB-2	EB-2_20121127	11/27/2012	1:50 PM	W	8	X	X	X	X	X	X	X	X						019

Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	Special Instructions
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Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	
Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	
Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	

FLD-002

ANDERSON
ENGINEERING COMPANY INC.

977 West 2100 South
Salt Lake City, UT 84119
(801) 972-6222
FAX (801) 972-6235

CHAIN OF CUSTODY RECORD

COC#
Page 2 of 3

Project: November 2012 Rico Water Sampling

Contact: Mark DeFriez (801) 234-9583

Matrix Codes
(W) Water
(S) Soil
(L) Liquid

QC: (circle one)
I II III IV

60134390

Field Location	Field Sample ID Number	Date	Time	Matrix	No. of Containers	Total Metals / Hardness / Silica	Potentially Dissolved Metal	Dissolved Metals	Alkalinity / TDS / TSS / Sulfate / Chloride	Cyanide	Salinity	Total Organic Carbon / Nitrate	Sulfide					COMMENTS	
MW-1 DEEP	MW-1 DEEP_20121127	11/27/2012	3:45 PM	W	8	X	X	X	X	X	X	X	X					1BP32 1BP3C 1AG35 2BP3N 1BP3F 1BP34 1BP34	020
MW-1 SHALLOW	MW-1 SHALLOW_20121127	11/27/2012	3:40 PM	W	8	X	X	X	X	X	X	X	X						021
MW-2 DEEP	MW-2 DEEP_20121127	11/27/2012	3:15 PM	W	8	X	X	X	X	X	X	X	X						022
MW-3 DEEP	MW-3 DEEP_20121127	11/27/2012	3:05 PM	W	8	X	X	X	X	X	X	X	X						023
MW-4 DEEP	MW-4 DEEP_20121127	11/27/2012	4:05 PM	W	8	X	X	X	X	X	X	X	X						024
MW-4 SHALLOW	MW-4 SHALLOW_20121127	11/27/2012	4:00 PM	W	8	X	X	X	X	X	X	X	X						025
MW-5 DEEP	MW-5 DEEP_20121127	11/27/2012	2:00 PM	W	8	X	X	X	X	X	X	X	X						026
MW-5 SHALLOW	MW-5 SHALLOW_20121127	11/27/2012	2:05 PM	W	8	X	X	X	X	X	X	X	X						027
MW-6 DEEP	MW-6 DEEP_20121127	11/27/2012	2:45 PM	W	8	X	X	X	X	X	X	X	X						028
MW-6 SHALLOW	MW-6 SHALLOW_20121127	11/27/2012	2:40 PM	W	8	X	X	X	X	X	X	X	X						029
MW-101	MW-101_20121127	11/27/2012	1:05 PM	W	8	X	X	X	X	X	X	X	X						030
MW-102	MW-102_20121127	11/27/2012	1:35 PM	W	8	X	X	X	X	X	X	X	X						031
MW-103	MW-103_20121127	11/27/2012	9:45 AM	W	8	X	X	X	X	X	X	X	X						032
MW-104	MW-104_20121127	11/28/2012	9:50 AM	W	8	X	X	X	X	X	X	X	X						033
MW-204	MW-204_20121127	11/27/2012	11:05 AM	W	8	X	X	X	X	X	X	X	X						034
CHV-101	CHV-101_20121127	11/27/2012	11:10 AM	W	8	X	X	X	X	X	X	X	X						035
P13-102	P13-102_20121127	11/27/2012	3:30 PM	W	8	X	X	X	X	X	X	X	X						036
P13-103	P13-103_20121127	11/28/2012	3:20 PM	W	8	X	X	X	X	X	X	X	X						037
AT-2	AT-2_20121127	11/27/2012	12:15 PM	W	8	X	X	X	X	X	X	X	X						038

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Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	
Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	

FLD-002

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CHAIN OF CUSTODY RECORD

COC#
Page 3 of 3

Project: November 2012 Rico Water Sampling

Contact: Mark DeFriez (801) 234-9583

Matrix Codes
(W) Water
(S) Soil
(L) Liquid

QC: (circle one)
I II III IV

60134390

Field Location	Field Sample ID Number	Date	Time	Matrix	No. of Containers	Total Metals / Hardness / Silica	Potentially Dissolved Metal	Dissolved Metals	Alkalinity / TDS / TSS / Sulfate / Chloride	Cyanide	Salinity	Total Organic Carbon / Nitrate	Sulfide					COMMENTS	
POND15	POND15_20121127	11/27/2012	11:35 AM	W	8	X	X	X	X	X	X	X	X					1BP3Z 1BP3C 1AG3S 2BP3N 1BP3F 1BP2U 1BP3U	039
DR-1_COMPOSITE	DR-1_COMPOSITE_20121127	11/28/2012	3:50 PM	W	8	X	X	X	X	X	X	X	X						040
DR-2_COMPOSITE	DR-2_COMPOSITE_20121127	11/28/2012	1:45 PM	W	8	X	X	X	X	X	X	X	X						041
DR-7_COMPOSITE	DR-7_COMPOSITE_20121127	11/28/2012	2:25 PM	W	8	X	X	X	X	X	X	X	X						042
DR-4-SW_COMPOSITE	DR-4-SW_COMPOSITE_20121127	11/28/2012	4:20 PM	W	8	X	X	X	X	X	X	X	X						043
DR-7_COMPARTMENT1	DR-7_COMPARTMENT1_20121127	11/28/2012	2:27 PM	W	8	X	X	X	X	X	X	X	X						044
DR-7_COMPARTMENT2	DR-7_COMPARTMENT2_20121127	11/28/2012	2:28 PM	W	8	X	X	X	X	X	X	X	X						045
DR-7_COMPARTMENT3	DR-7_COMPARTMENT3_20121127	11/28/2012	2:29 PM	W	8	X	X	X	X	X	X	X	X						046
DR-7_COMPARTMENT4	DR-7_COMPARTMENT4_20121127	11/28/2012	2:30 PM	W	8	X	X	X	X	X	X	X	X						047
DR-7_COMPARTMENT5	DR-7_COMPARTMENT5_20121127	11/28/2012	2:32 PM	W	8	X	X	X	X	X	X	X	X						048
EH-5	EH-5_20121127	11/28/2012	10:25 AM	W	8	X	X	X	X	X	X	X	X						049
EH-5A	EH-5A_20121127	11/28/2012	10:30 AM	W	8	X	X	X	X	X	X	X	X						050
EH-5B	EH-5B_20121127	11/28/2012	10:35 AM	W	8	X	X	X	X	X	X	X	X						051
EH-5C	EH-5C_20121127	11/28/2012	11:15 AM	W	8	X	X	X	X	X	X	X	X						052
EH-5D_POND	EH-5D_POND_20121127	11/28/2012	10:55 AM	W	8	X	X	X	X	X	X	X	X						053
EH-5E_POND	EH-5E_POND_20121127	11/28/2012	10:50 AM	W	8	X	X	X	X	X	X	X	X						054
EH-5E_INFLOW	EH-5E_INFLOW_20121127	11/28/2012	10:45 AM	W	8	X	X	X	X	X	X	X	X						055
EH-5_POND	EH-5_POND_20121127	11/28/2012	10:28 AM	W	8	X	X	X	X	X	X	X	X						056
POND15_SEEP	POND15_SEEP_20121127	11/27/2012	11:40 AM	W	8	X	X	X	X	X	X	X	X						057

Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	Special Instructions
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Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	
Relinquished By: *signature*	Date	Time	Received By: *signature*	Date	Time	

FLD-002

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 60134390 **Workorder Name:** NOVEMBER 2012 RICO WATER SAMPL **Owner Received Date:** 11/30/2012 **Results Requested By:** 12/12/2012

Report To	Subcontract To
Heather Wilson Pace Analytical Services, Inc. 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Fax (913)599-1759	Pace Analytical Billings MT 602 S 25th Street Billings, MT, MT 591014549 Phone (406) 254-7226

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none	Requested Analysis: Salinity	LAB USE ONLY (10214206)
1	DR-1_20121127	PS	11/27/2012 10:25	60134390001	Water	1	X	001
2	DR-2_20121127	PS	11/28/2012 09:35	60134390002	Water	1	X	002
3	DR-3_20121127	PS	11/27/2012 11:02	60134390003	Water	1	X	003
4	DR-4_20121127	PS	11/27/2012 11:45	60134390004	Water	1	X	004
5	DR-5_20121127	PS	11/28/2012 09:30	60134390005	Water	1	X	005
6	DR-6_20121127	PS	11/28/2012 08:50	60134390006	Water	1	X	006
7	DR-7_20121127	PS	11/28/2012 14:20	60134390007	Water	1	X	007
8	DR-8_20121127	PS	11/27/2012 11:10	60134390008	Water	1	X	008
9	DR-4-SW_20121127	PS	11/28/2012 16:10	60134390009	Water	1	X	009
10	DR-G_20121127	PS	11/28/2012 16:55	60134390010	Water	1	X	010
11	FB_20121127	PS	11/27/2012 10:50	60134390011	Water	1	X	011
12	GW-1_20121127	PS	11/27/2012 10:30	60134390012	Water	1	X	012
13	GW-3_20121127	PS	11/28/2012 16:30	60134390013	Water	1	X	013
14	GW-4_20121127	PS	11/27/2012 12:30	60134390014	Water	1	X	014
15	GW-5_20121127	PS	11/27/2012 12:40	60134390015	Water	1	X	015
16	GW-6_20121127	PS	11/27/2012 14:15	60134390016	Water	1	X	016
17	GW-7_20121127	PS	11/27/2012 13:20	60134390017	Water	1	X	017
18	EB-1_20121127	PS	11/27/2012 12:50	60134390018	Water	1	X	018
19	EB-2_20121127	PS	11/27/2012 13:50	60134390019	Water	1	X	019

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 60134390 **Workorder Name:** NOVEMBER 2012 RICO WATER SAMPL **Owner Received Date:** 11/30/2012 **Results Requested By:** 12/12/2012

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Heather Wilson Pace Analytical Services, Inc. 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Fax (913)599-1759	Pace Analytical Billings MT 602 S 25th Street Billings, MT, MT 591014549 Phone (406) 254-7226

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none						Requested Analysis: Salinity												10214206 LAB USE ONLY
20	MW-1 DEEP_20121127	PS	11/27/2012 15:45	60134390020	Water	1						X												020
21	MW-1 SHALLOW_20121127	PS	11/27/2012 15:40	60134390021	Water	1						X												021
22	MW-2 DEEP_20121127	PS	11/27/2012 15:15	60134390022	Water	1						X												022
23	MW-3 DEEP_20121127	PS	11/27/2012 15:05	60134390023	Water	1						X												023
24	MW-4 DEEP_20121127	PS	11/27/2012 16:05	60134390024	Water	1						X												024
25	MW-4 SHALLOW_20121127	PS	11/27/2012 16:00	60134390025	Water	1						X												025
26	MW-5 DEEP_20121127	PS	11/27/2012 14:00	60134390026	Water	1						X												026
27	MW-5 SHALLOW_20121127	PS	11/27/2012 14:05	60134390027	Water	1						X												027
28	MW-6 DEEP_20121127	PS	11/27/2012 14:45	60134390028	Water	1						X												028
29	MW-6 SHALLOW_20121127	PS	11/27/2012 14:40	60134390029	Water	1						X												029
30	MW-101_20121127	PS	11/27/2012 13:05	60134390030	Water	1						X												030
31	MW-102_20121127	PS	11/27/2012 13:35	60134390031	Water	1						X												031
32	MW-103_20121127	PS	11/27/2012 09:45	60134390032	Water	1						X												032
33	MW-104_20121127	PS	11/28/2012 09:50	60134390033	Water	1						X												033
34	MW-204_20121127	PS	11/27/2012 11:05	60134390034	Water	1						X												034
35	CHV-101_20121127	PS	11/27/2012 11:10	60134390035	Water	1						X												035
36	P13-102_20121127	PS	11/27/2012 15:30	60134390036	Water	1						X												036
37	P13-103_20121127	PS	11/28/2012 15:20	60134390037	Water	1						X												037
38	AT-2_20121127	PS	11/27/2012 12:15	60134390038	Water	1						X												038
39	POND15_20121127	PS	11/27/2012 11:35	60134390039	Water	1						X												039

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 60134390 **Workorder Name:** NOVEMBER 2012 RICO WATER SAMPL **Owner Received Date:** 11/30/2012 **Results Requested By:** 12/12/2012

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Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none	Requested Analysis: Salinity	LAB USE ONLY (10214206)
40	DR-1 COMP_20121127	PS	11/28/2012 15:50	60134390040	Water	1	X	040
41	DR-2 COMP _20121127	PS	11/28/2012 13:45	60134390041	Water	1	X	041
42	DR-7 COMP_20121127	PS	11/28/2012 14:25	60134390042	Water	1	X	042
43	DR-4-SW COMP_20121127	PS	11/28/2012 16:20	60134390043	Water	1	X	043
44	DR-7 COMPARTMENT	PS	11/28/2012 14:27	60134390044	Water	1	X	044
45	DR-7 COMPARTMENT	PS	11/28/2012 14:28	60134390045	Water	1	X	045
46	DR-7 COMPARTMENT	PS	11/28/2012 14:29	60134390046	Water	1	X	046
47	DR-7 COMPARTMENT	PS	11/28/2012 14:30	60134390047	Water	1	X	047
48	DR-7 COMPARTMENT	PS	11/28/2012 14:32	60134390048	Water	1	X	048
49	EH-5_20121127	PS	11/28/2012 10:25	60134390049	Water	1	X	049
50	EH-5A_20121127	PS	11/28/2012 10:30	60134390050	Water	1	X	050
51	EH-5B_20121127	PS	11/28/2012 10:35	60134390051	Water	1	X	051
52	EH-5C_20121127	PS	11/28/2012 11:15	60134390052	Water	1	X	052
53	EH-5D POND_20121127	PS	11/28/2012 10:55	60134390053	Water	1	X	053
54	EH-5E POND_20121127	PS	11/28/2012 10:50	60134390054	Water	1	X	054
55	EH-5E INFLOW_20121127	PS	11/28/2012 10:45	60134390055	Water	1	X	055
56	EH-5 POND_20121127	PS	11/28/2012 10:28	60134390056	Water	1	X	056
57	POND15 SEEP_20121127	PS	11/27/2012 11:40	60134390057	Water	1	X	057

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	[illegible]	12/3/12 1700			
2	Fedex	12/4/12 1015	Norma C Gonzalez/Pace	12/4/12 1015	
3					

Cooler Temperature on Receipt 0.0 °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 14Nov2012 Page 1 of 1
	Document No.: **F-MT-C-184-rev.02**	Issuing Authority: Pace Montana Quality Office

mple Condition Upon Receipt

Client Name: Pace-KS

Project #: WO#: 10214206

10214206

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

racking Number: 5446886457 53

ustody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

acking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other:

Temp Blank? ☒ Yes ☐ No

ermometer Used: ☒ 1383045 ☐ 135 ☐ NA **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☒ Samples on ice, cooling process has begun

Cooler Temp Read: ~~0.0~~ NCT 12/4/12 0.0

Date and Initials of Person Examining Contents: NCT 12/4/12

ooler Temp Corrected: 0.2

Biological Tissue Frozen? ☐ Yes ☐ No

Temp should be above freezing to 6°C

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and Signature on COC?	☐ Yes	☒ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: H_2O				
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐ Yes	☒ No		Initial when completed: Lot # of added preservative:
Samples checked for dechlorination?	☐ Yes	☐ No	☒ N/A	14.
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	16.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: **Date:** 12-5-12

te: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of ld, incorrect preservative, out of temp, incorrect containers)

Chain of Custody

10214236

Pace Analytical®
www.pacelabs.com

15 day TAT

Workorder: 60134390 **Workorder Name:** NOVEMBER 2012 RICO WATER SAMPL **Owner Received Date:** 11/30/2012 **Results Requested By:** ~~12/12/2012~~

Report To

Heather Wilson
Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Phone (913)599-5665
Fax (913)599-1759

Subcontract To

Pace Analytical Minnesota
1700 Elm Street
Suite 200
Minneapolis, MN 55414
Phone (612)607-1700

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3						Requested Analysis: 200.8 Total Metals + Hardness + Silica	245.1 Total Mercury	200.8 Dissolved Metals	245.1 Dissolved Mercury									LAB USE ONLY
40	DR-1 COMP_20121127	PS	11/28/2012 15:50	60134390040	Water	2						X	X	X	X									
41	DR-2 COMP _20121127	PS	11/28/2012 13:45	60134390041	Water	2						X	X	X	X									
42	DR-7 COMP _20121127	PS	11/28/2012 14:25	60134390042	Water	2						X	X	X	X									
43	DR-4-SW COMP _20121127	PS	11/28/2012 16:20	60134390043	Water	2						X	X	X	X									
44	DR-7 COMPARTMENT	PS	11/28/2012 14:27	60134390044	Water	2						X	X	X	X									
45	DR-7 COMPARTMENT	PS	11/28/2012 14:28	60134390045	Water	2						X	X	X	X									
46	DR-7 COMPARTMENT	PS	11/28/2012 14:29	60134390046	Water	2						X	X	X	X									
47	DR-7 COMPARTMENT	PS	11/28/2012 14:30	60134390047	Water	2						X	X	X	X									
48	DR-7 COMPARTMENT	PS	11/28/2012 14:32	60134390048	Water	2						X	X	X	X									
49	EH-5_20121127	PS	11/28/2012 10:25	60134390049	Water	2						X	X	X	X									
50	EH-5A_20121127	PS	11/28/2012 10:30	60134390050	Water	2						X	X	X	X									
51	EH-5B_20121127	PS	11/28/2012 10:35	60134390051	Water	2						X	X	X	X									
52	EH-5C_20121127	PS	11/28/2012 11:15	60134390052	Water	2						X	X	X	X									
53	EH-5D POND_20121127	PS	11/28/2012 10:55	60134390053	Water	2						X	X	X	X									
54	EH-5E POND_20121127	PS	11/28/2012 10:50	60134390054	Water	2						X	X	X	X									
55	EH-5E INFLOW_20121127	PS	11/28/2012 10:45	60134390055	Water	2						X	X	X	X									
56	EH-5 POND_20121127	PS	11/28/2012 10:28	60134390056	Water	2						X	X	X	X									
57	POND15 SEEP_20121127	PS	11/27/2012 11:40	60134390057	Water	2						X	X	X	X									

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	[illegible]	12/3/12 1700	[illegible] RACE	12/4/12 9:45	Use profile 26985 15 day TAT!
2					
3					

Cooler Temperature on Receipt 13.0/10.8 °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

Chain of Custody

1021 4236

Pace Analytical®
www.pacelabs.com

15 day TAT

Workorder: 60134390 **Workorder Name:** NOVEMBER 2012 RICO WATER SAMPL **Owner Received Date:** 11/30/2012 **Results Requested By:** ~~12/12/2012~~

Report To	Subcontract To
Heather Wilson Pace Analytical Services, Inc. 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Fax (913)599-1759	Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3						Requested Analysis: 200.8 Total Metals + Hardness + Silica	245.1 Total Mercury	200.8 Dissolved Metals	245.1 Dissolved Mercury									LAB USE ONLY
1	DR-1_20121127	PS	11/27/2012 10:25	60134390001	Water	2						X	X	X	X									
2	DR-2_20121127	PS	11/28/2012 09:35	60134390002	Water	2						X	X	X	X									
3	DR-3_20121127	PS	11/27/2012 11:02	60134390003	Water	2						X	X	X	X									
4	DR-4_20121127	PS	11/27/2012 11:45	60134390004	Water	2						X	X	X	X									
5	DR-5_20121127	PS	11/28/2012 09:30	60134390005	Water	2						X	X	X	X									
6	DR-6_20121127	PS	11/28/2012 08:50	60134390006	Water	2						X	X	X	X									
7	DR-7_20121127	PS	11/28/2012 14:20	60134390007	Water	2						X	X	X	X									
8	DR-8_20121127	PS	11/27/2012 11:10	60134390008	Water	2						X	X	X	X									
9	DR-4-SW_20121127	PS	11/28/2012 16:10	60134390009	Water	2						X	X	X	X									
10	DR-G_20121127	PS	11/28/2012 16:55	60134390010	Water	2						X	X	X	X									
11	FB_20121127	PS	11/27/2012 10:50	60134390011	Water	2						X	X	X	X									
12	GW-1_20121127	PS	11/27/2012 10:30	60134390012	Water	2						X	X	X	X									
13	GW-3_20121127	PS	11/28/2012 16:30	60134390013	Water	2						X	X	X	X									
14	GW-4_20121127	PS	11/27/2012 12:30	60134390014	Water	2						X	X	X	X									
15	GW-5_20121127	PS	11/27/2012 12:40	60134390015	Water	2						X	X	X	X									
16	GW-6_20121127	PS	11/27/2012 14:15	60134390016	Water	2						X	X	X	X									
17	GW-7_20121127	PS	11/27/2012 13:20	60134390017	Water	2						X	X	X	X									
18	EB-1_20121127	PS	11/27/2012 12:50	60134390018	Water	2						X	X	X	X									
19	EB-2_20121127	PS	11/27/2012 13:50	60134390019	Water	2						X	X	X	X									

Chain of Custody

10214236

Pace Analytical®
www.pacelabs.com

15day TAT

Workorder: 60134390 **Workorder Name:** NOVEMBER 2012 RICO WATER SAMPL **Owner Received Date:** 11/30/2012 **Results Requested By:** ~~12/12/2012~~

Report To	Subcontract To
Heather Wilson Pace Analytical Services, Inc. 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Fax (913)599-1759	Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3						Requested Analysis: 200.8 Total Metals + Hardness + Silica	245.1 Total Mercury	200.8 Dissolved Metals	245.1 Dissolved Mercury									LAB USE ONLY
20	MW-1 DEEP_20121127	PS	11/27/2012 15:45	60134390020	Water	2						X	X	X	X									
21	MW-1 SHALLOW_20121127	PS	11/27/2012 15:40	60134390021	Water	2						X	X	X	X									
22	MW-2 DEEP_20121127	PS	11/27/2012 15:15	60134390022	Water	2						X	X	X	X									
23	MW-3 DEEP_20121127	PS	11/27/2012 15:05	60134390023	Water	2						X	X	X	X									
24	MW-4 DEEP_20121127	PS	11/27/2012 16:05	60134390024	Water	2						X	X	X	X									
25	MW-4 SHALLOW_20121127	PS	11/27/2012 16:00	60134390025	Water	2						X	X	X	X									
26	MW-5 DEEP_20121127	PS	11/27/2012 14:00	60134390026	Water	2						X	X	X	X									
27	MW-5 SHALLOW_20121127	PS	11/27/2012 14:05	60134390027	Water	2						X	X	X	X									
28	MW-6 DEEP_20121127	PS	11/27/2012 14:45	60134390028	Water	2						X	X	X	X									
29	MW-6 SHALLOW_20121127	PS	11/27/2012 14:40	60134390029	Water	2						X	X	X	X									
30	MW-101_20121127	PS	11/27/2012 13:05	60134390030	Water	2						X	X	X	X									
31	MW-102_20121127	PS	11/27/2012 13:35	60134390031	Water	2						X	X	X	X									
32	MW-103_20121127	PS	11/27/2012 09:45	60134390032	Water	2						X	X	X	X									
33	MW-104_20121127	PS	11/28/2012 09:50	60134390033	Water	2						X	X	X	X									
34	MW-204_20121127	PS	11/27/2012 11:05	60134390034	Water	2						X	X	X	X									
35	CHV-101_20121127	PS	11/27/2012 11:10	60134390035	Water	2						X	X	X	X									
36	P13-102_20121127	PS	11/27/2012 15:30	60134390036	Water	2						X	X	X	X									
37	P13-103_20121127	PS	11/28/2012 15:20	60134390037	Water	2						X	X	X	X									
38	AT-2_20121127	PS	11/27/2012 12:15	60134390038	Water	2						X	X	X	X									
39	POND15_20121127	PS	11/27/2012 11:35	60134390039	Water	2						X	X	X	X									

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 13Nov2012 Page 1 of 1
	Document No.: **F-MN-L-213-rev.05**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Pace KS

Project #: WO#: 10214236

10214236

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 544688645720 / 544688645710

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☑ B88A912167504 ☐ 80512447 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 12.5 / 10.3 **Cooler Temp Corrected (°C):** 13.0 / 10.8 **Biological Tissue Frozen?** ☐ Yes ☑ No

Temp should be above freezing to 6°C **Date and Initials of Person Examining Contents:** AL 12/4/12

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☑ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☑ Yes	☐ No	☐ N/A	11.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	☑ Yes	☐ No	☐ N/A	13. ☑ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	☑ Yes	☐ No	☐ N/A	Sample # 001-057 2/2
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐ Yes	☑ No		Initial when completed: AL Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution: Temp ok metals only.

Project Manager Review: **Date:** 12/5/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Appendix G

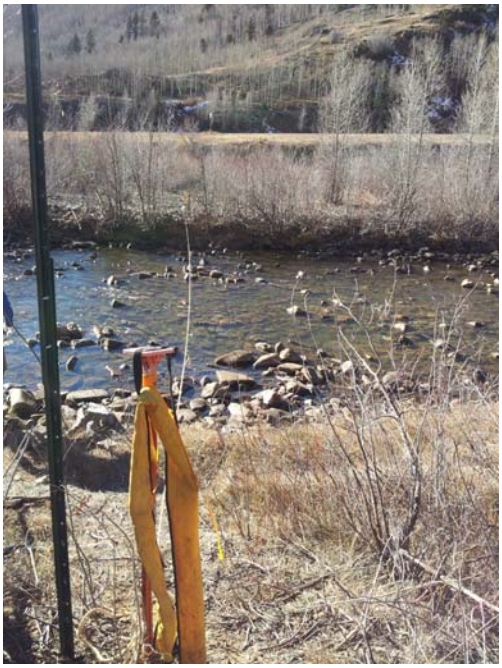
Field Photos

November 2012 Field Photos

Cross Section at Station DR-1

Cross Section at Station DR-5

Cross Section at Station DR-2



Cross Section at Station DR-7

November 2012 Field Photos

Cross Section at Station DR-4-SW

Cross Section at Station DR-G

Appendix H

Field Log Book Records

11/26/12 - Nov Water Sampling 2012

	Date/time	Depth	pH	EC (µS/cm)	T (°C)	DO (ppm)	ORP (mV)
GW-1	11/27-10:30	2.51'	8.22	347	3.97	4.85	-25.4
GW-3	11/28-10:30	13.82'	9.07	961	0.49	5.83	-49.2
GW-4	11/27-12:30	10.44'	7.18	1445	7.72	0.33	-22.2
GW-5	11/27-12:40	21.50	7.02	2654	9.10	0.43	-19.2
GW-6	11/27-14:15	22.21	6.61	2450	9.56	1.05	-19.3
GW-7	11/22-13:20	22.88	6.66	1500	10.67	1.25	-1.9
EB-1	11/27-12:50	21.97	6.67	2313	9.34	0.70	-25.2
EB-2	11/27-13:50	16.63	6.34	2913	10.18	0.75	-44.9
MW-1D	11/27-15:45	10.38	7.19	1248	6.16	3.32	2.0
MW-1S	11/27-15:40	6.60	7.44	1328	5.99	3.01	-2.4
MW-2D	11/27-15:05	10.11	7.17	1344	11.02	1.37	-8.5
MW-2S	—	10.19 (DRY)					
MW-3D	11/27-15:35	9.99'	6.92	1331	11.68	1.42	-4.1
MW-3S	—	9.12' (DRY)					
MW-4D	11/27-16:05	~~16.62~~ 16.92	7.20	1460	7.07	2.52	-2.8
MW-4S	11/27-16:00	16.98	6.77	1387	7.41	2.64	4.9
MW-5D	11/27-14:00	17.18	6.25	2005	9.94	0.56	-38.6
MW-5S	11/27-14:05	16.43	4.04	3124	10.53	0.44	125.3
MW-6D	11/27-14:45	23.56'	6.90	1334	11.03	0.59	-6.5
MW-6S	11/27-14:40	23.13'	6.47	2076	11.02	0.61	-27.9
MW-101	11/27-13:05	27.27	6.43	2631	10.91	0.09	-32.5
MW-102	11/27-13:35	23.80	6.84	1240	10.82	0.95	14.3
MW-103	11/27-9:45	6.99'	6.90	1626	7.37	1.13	-25.1

	Time	Depth	pH	EC	T	DO	ORP
MW-104	11/28-9:50	4.28'	7.41	1555	4.65	4.01	-13.5
MW-202		34.61 (DRY)					
MW-204	11/27-11:05	13.83'	7.02	1382	11.53	1.30	1.2
CHV-101	11/27-11:10	36.54	6.94	1341	13.28	1.10	0.8
P13-102	11/27-15:30	10.60'	6.70	2070	8.76	0.59	-17.7
P13-103	11/27-15:20	10.88'	6.59	1641	9.02	0.71	-27.9
AT-2	11/27-12:15		7.17	1129	15.04	0.35	-38.3
DR-1	11/25/17		8.29	403	2.28	6.27	-27.1
DR-2	11/28-9:35		8.70	616	0.21	6.78	-47.6
DR-3	11/27-11:02		6.80	1389	13.81	3.20	-0.8
DR-4	11/27-11:45		7.46	1364	8.45	5.21	7.9
DR-5	11/28-9:30		8.28	1424	1.12	6.11	-35.6
DR-6	11/28-8:50		8.52	2739	0.68	5.42	-39.6
DR-7	11/28-14:20		8.19	723	7.27	4.57	-15.2
DR-8	11/27-11:10		Duplicate of DR-3				
DR-4-SW	11/28-16:10		7.88	665	0.96	4.84	-14.6
DR-G	11/28-16:55		9.68	733	-0.25	7.00	-21.6
FB	11/27-10:50		8.57	2	2.48	5.40	-49.8
Pond 15	11/27-11:55		7.35	1381	9.51	4.90	7.5
Pond 18	CNO - Pond 18 frozen, no safe access						
~~DR-1 Composite~~	~~CNO due to~~		~~excessive ice buildup~~				
DR-2 Composite	11/28-17:45		7.91	480	7.10	5.52	2.8
DR-7 Composite	11/28-14:25		6.76	660	4.34	5.03	5.8
DR-1 Composite	11/28-15:50		8.68	369	0.90	4.77	-40.2

	Date/time	pH	EC	T	DO	ORP
DR-4 SW Composite	11/28 - 16:20	8.20	653	6.57	4.87	-27.1
DR-7 Compartment 1	11/28 - 14:27	6.83	741	4.62	4.55	4.6
DR-7 Compartment 2	11/28 - 14:28	6.77	685	9.21	5.90	6.7
DR-7 Compartment 3	11/28 - 14:29	6.77	642	4.08	4.38	5.8
DR-7 Compartment 4	11/28 - 14:30	7.18	636	4.74	4.34	-4.8
DR-7 Compartment 5	11/28 - 14:32	6.90	656	5.08	4.93	1.6
EH 5	11/28 - 10:25	6.52	3896	29.51	1.32	-64.4
EH5A	11/28 - 10:30	7.16	2106	12.39	4.41	-39.4
EH5B	11/28 - 10:35	6.54	672	5.80	4.99	-13.2
EH 5C	11/28 - 10:15	6.28	1982	7.32	3.80	-6.9
EH5D_Pond	11/28 - 10:55	7.36	614	8.34	3.01	-129.3
EH5E_Pond	11/28 - 10:50	7.38	569	9.32	4.75	-49.4
EH5E_Inflow	11/28 - 10:45	7.24	597	9.21	4.04	-99.2
Pond 15 SEEP	11/27 - 11:40	7.81	525	3.32	6.60	4.0
EH9 Pond	11/28 - 10:28	6.89	2674	14.43	3.45	-16.2

Seep flow estimates:

~~Pond 15 see~~

Time to fill 500 mL bottle:

Pond 15 seep : 20 sec (1/2 flow) ~~x 2~~

EH5A : 1 sec (2/3 flow)

EH5B : 19 sec (1/2 flow)

EH5C : 17 sec (3/4 flow)

~~Pond 15 seep = $\frac{(\frac{1}{2})500\,mL}{20\,sec} = 12.5\,\frac{mL}{sec}$~~ NO

Pond 15 seep = $\left(\frac{500\,mL}{20\,sec}\right)/\frac{1}{2} = \frac{50\,mL}{sec}\left(\frac{1\,ft^3}{3.53147e^{-5}\,mL}\right)$ MD

$= \frac{50\,mL}{sec}\left(\frac{3.53147e^{-5}\,ft^3}{1\,mL}\right)$

$= 0.001766$ cfs

EH5A = $\left(\frac{500\,mL}{1\,sec}\right)/\frac{2}{3} = 750\,mL/sec = 0.02649$ cfs

EH5B = $\left(\frac{500\,mL}{19\,sec}\right)/\frac{1}{2} = 52.6\,mL/sec = 0.001859$ cfs

EH5C = $\left(\frac{500\,mL}{17\,sec}\right)/\frac{3}{4} = \frac{39.2\,mL}{sec} = 0.001385$ cfs

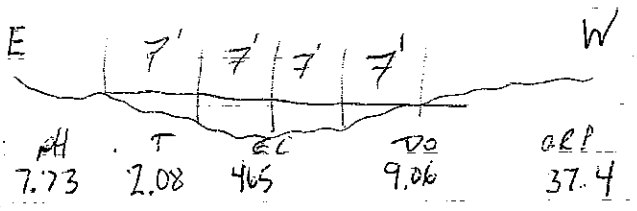
11/28/12

DR-2 Flows and composite sampling

WLEL: 11.68' BMEL: 5.29

Velocities: 0.1 0.2 0.2 0.3 0.2 0.4 0.2 0.5 0.8 0.6 1.0 1.4 1.2 0.4 0.8 0.4 0.4 0.6 0.4 0.2 0.2 0.2 0.1 0.1 0.0 0.0 0.1

Depths: 0.2' 0.48 0.42 0.36 0.25 1.0 1.08 0.95 1.15 1.0 1.15 0.50 0.90 1.10 1.10 1.10 1.3 1.25 1.05 0.95 0.80 0.40 0.70 0.60 0.30 0.25 0.20



	pH	T	EC	DO	ORP
1	7.73	2.08	465	9.06	37.4
2	7.65	1.82	456	8.85	33.8
3	7.58	1.87	478	8.59	31.7
4	7.42	2.44	582	7.59	27.9

11/28/12

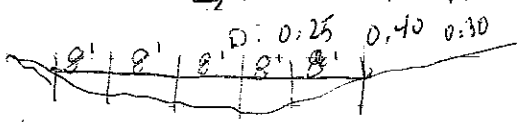
DR-7 Flows and composite/transect sampling

WLEL: 9.59 BMEL: ~~5.24~~ 5.28'

Velocities: 1.0 0.4 0.4 0.8 0.4 0.6 0.6 1.2
0.8 1.4 0.8 1.2 1.6 1.2 2.0 0.4 1.8 1.8
1.4 1.8 0.4 0.8 0.2 0.4 0.2 0.1 0.2 0.1
1.0 1.4 0.4 1.4 0.0 1.8 0.6 0.2 0.0 0.2

Depths: 0.15 0.20 0.30 0.40 0.25 0.42 0.35 0.50
0.55 0.45 0.50 0.40 0.25 0.30 0.25 0.55 0.60 0.65
0.65 0.50 0.25 0.30 0.20 0.10 0.15 0.30 0.20 0.1
0.30 0.45 0.40 0.25 0.0 0.40 0.45 0.15 0.10 0.3

V: 0.1 0.2 0.1
D: 0.25 0.40 0.30



	pH	T	EC	DO	ORP
1	5.77	3.54	746	8.68	42.5
2	5.66	3.12	696	8.65	39.4
3	5.65	2.91	656	8.58	37.0
4	6.18	2.91	656	8.58	35.1
5	6.33	3.18	674	7.66	33.3

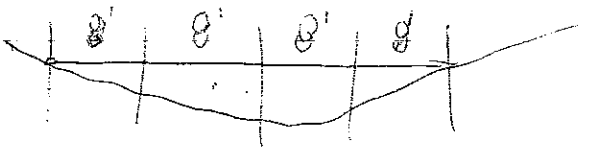
11/28/12

DR-4-SW Flows and composite sampling

WLEL: 5.85 BMEL: 2.80'

Velocities: 0.6 0.4 0.6 0.8 1.4 1.2
1.4 1.6 0.8 1.0 0.2 0.6 1.2 0.6
1.6 2.2 0.4 0.8 0.6 0.6 0.4 0.2
1.2 0.6 1.0 0.8 0.4 0.2 1.2 0.4

Depths: 0.25 0.30 0.55 0.55 0.45 0.60
0.25 0.40 0.20 0.40 0.20 0.45 0.75 0.70
0.65 0.70 0.60 0.30 0.50 0.70 0.30 0.25
0.30 0.25 0.35 0.20 0.25 0.20 0.15 0.15



	pH	T	EC	DO	ORP
1	7.94	2.83	667	8.20	-16.6
2	7.90	2.82	668	8.28	-16.8
3	7.87	2.81	668	8.01	-16.9
4	7.69	2.79	668	7.79	-16.9

DL-6 Flows ~~and~~
WLEL: 9.62 BMEL: 5.26
Velocities

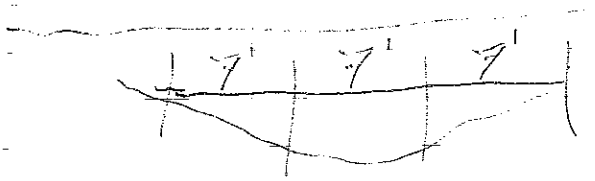
River Frozen.
CNO

Depths.

~~Pond water~~ Elevations
DR-1 Flows and composite sampling
WLEL: 9.40' BMEL: 5.94'

Velocities: 1.0 0.4 0.2 1.4 2.2 1.8
1.6 0.6 0.8 0.6 0.2 0.2 0.8 0.4
1.0 0.6 0.2 0.2 0.1

Depths: 0.20 0.40 0.35 0.85 0.90 0.95
0.90 0.90 0.85 0.75 0.70 0.55 0.65 0.55
0.30 0.55 0.95 0.25 0.20



	pH	T	EC	DO	ORP
1	8.48	1.34	372	8.66	-26.2
2	8.45	1.35	377	8.57	-25.3
3	8.42	1.32	378	8.49	-24.6

3 of 7

11-30-12

Pond Water	Elevations	
BM 12/14	9.57	
Pond 15	2.14	
Pond 14	11.99	
Pond 12	13.93	
BM 11/12/13	3.25	
Pond 11	8.43	
BM 9/10	4.40	
Pond 9	8.88	40% lightly frozen
Pond 10	6.88	100% Frozen
BM 7/8 (DR-5)	5.51	
Pond 7	11.56	90% Frozen
Pond 8	8.21	55% frozen
BM 5/6 (DR-2)	4.84	
Pond 6	6.03	75% Frozen
Pond 5	8.20	45% Frozen
BM 3/4 (CP1)	2.71	
Pond 4	13.93	20% frozen
Pond 3	15.86	

11/30-12

BM 1/2	5.60	
Pond 2	8.31	90% frozen
Pond 1	10.96	90% Frozen

Appendix I

North Flume OTT PLS Data with Flowrates

OTT PLS Data at North Flume, November 2012

Date, Time	Depth Reading (ft)	Flowrate (cfs)	Flowrate (gpm)
11/1/2012 0:00	0.58	1.35	604.6
11/1/2012 0:10	0.58	1.35	604.6
11/1/2012 0:20	0.58	1.35	604.6
11/1/2012 0:30	0.58	1.35	604.6
11/1/2012 0:40	0.58	1.35	604.6
11/1/2012 0:50	0.58	1.35	604.6
11/1/2012 1:00	0.58	1.35	604.6
11/1/2012 1:10	0.58	1.35	604.6
11/1/2012 1:20	0.58	1.35	604.6
11/1/2012 1:30	0.58	1.35	604.6
11/1/2012 1:40	0.58	1.35	604.6
11/1/2012 1:50	0.58	1.35	604.6
11/1/2012 2:00	0.58	1.35	604.6
11/1/2012 2:10	0.58	1.35	604.6
11/1/2012 2:20	0.58	1.35	604.6
11/1/2012 2:30	0.58	1.35	604.6
11/1/2012 2:40	0.58	1.35	604.6
11/1/2012 2:50	0.58	1.35	604.6
11/1/2012 3:00	0.58	1.35	604.6
11/1/2012 3:10	0.58	1.35	604.6
11/1/2012 3:20	0.58	1.35	604.6
11/1/2012 3:30	0.58	1.35	604.6
11/1/2012 3:40	0.58	1.35	604.6
11/1/2012 3:50	0.58	1.35	604.6
11/1/2012 4:00	0.58	1.35	604.6
11/1/2012 4:10	0.58	1.35	604.6
11/1/2012 4:20	0.58	1.35	604.6
11/1/2012 4:30	0.58	1.35	604.6
11/1/2012 4:40	0.58	1.35	604.6
11/1/2012 4:50	0.58	1.35	604.6
11/1/2012 5:00	0.58	1.35	604.6
11/1/2012 5:10	0.58	1.35	604.6
11/1/2012 5:20	0.58	1.35	604.6
11/1/2012 5:30	0.58	1.35	604.6
11/1/2012 5:40	0.58	1.35	604.6
11/1/2012 5:50	0.58	1.35	604.6
11/1/2012 6:00	0.58	1.35	604.6
11/1/2012 6:10	0.58	1.35	604.6
11/1/2012 6:20	0.58	1.35	604.6
11/1/2012 6:30	0.58	1.35	604.6
11/1/2012 6:40	0.58	1.35	604.6
11/1/2012 6:50	0.58	1.35	604.6

11/1/2012 7:00	0.58	1.35	604.6
11/1/2012 7:10	0.58	1.35	604.6
11/1/2012 7:20	0.58	1.35	604.6
11/1/2012 7:30	0.58	1.35	604.6
11/1/2012 7:40	0.58	1.35	604.6
11/1/2012 7:50	0.58	1.35	604.6
11/1/2012 8:00	0.58	1.35	604.6
11/1/2012 8:10	0.58	1.35	604.6
11/1/2012 8:20	0.58	1.35	604.6
11/1/2012 8:30	0.58	1.35	604.6
11/1/2012 8:40	0.58	1.35	604.6
11/1/2012 8:50	0.58	1.35	604.6
11/1/2012 9:00	0.58	1.35	604.6
11/1/2012 9:10	0.58	1.35	604.6
11/1/2012 9:20	0.58	1.35	604.6
11/1/2012 9:30	0.58	1.35	604.6
11/1/2012 9:40	0.58	1.35	604.6
11/1/2012 9:50	0.58	1.35	604.6
11/1/2012 10:00	0.58	1.35	604.6
11/1/2012 10:10	0.58	1.35	604.6
11/1/2012 10:20	0.58	1.35	604.6
11/1/2012 10:30	0.58	1.35	604.6
11/1/2012 10:40	0.58	1.35	604.6
11/1/2012 10:50	0.58	1.35	604.6
11/1/2012 11:00	0.58	1.35	604.6
11/1/2012 11:10	0.58	1.35	604.6
11/1/2012 11:20	0.58	1.35	604.6
11/1/2012 11:30	0.58	1.35	604.6
11/1/2012 11:40	0.58	1.35	604.6
11/1/2012 11:50	0.58	1.35	604.6
11/1/2012 12:00	0.58	1.35	604.6
11/1/2012 12:10	0.58	1.35	604.6
11/1/2012 12:20	0.58	1.35	604.6
11/1/2012 12:30	0.58	1.35	604.6
11/1/2012 12:40	0.58	1.35	604.6
11/1/2012 12:50	0.58	1.35	604.6
11/1/2012 13:00	0.58	1.35	604.6
11/1/2012 13:10	0.58	1.35	604.6
11/1/2012 13:20	0.58	1.35	604.6
11/1/2012 13:30	0.58	1.35	604.6
11/1/2012 13:40	0.58	1.35	604.6
11/1/2012 13:50	0.58	1.35	604.6
11/1/2012 14:00	0.58	1.35	604.6
11/1/2012 14:10	0.58	1.35	604.6
11/1/2012 14:20	0.58	1.35	604.6
11/1/2012 14:30	0.58	1.35	604.6
11/1/2012 14:40	0.58	1.35	604.6

11/1/2012 14:50	0.58	1.35	604.6
11/1/2012 15:00	0.58	1.35	604.6
11/1/2012 15:10	0.58	1.35	604.6
11/1/2012 15:20	0.58	1.35	604.6
11/1/2012 15:30	0.58	1.35	604.6
11/1/2012 15:40	0.58	1.35	604.6
11/1/2012 15:50	0.58	1.35	604.6
11/1/2012 16:00	0.58	1.35	604.6
11/1/2012 16:10	0.58	1.35	604.6
11/1/2012 16:20	0.58	1.35	604.6
11/1/2012 16:30	0.58	1.35	604.6
11/1/2012 16:40	0.58	1.35	604.6
11/1/2012 16:50	0.58	1.35	604.6
11/1/2012 17:00	0.58	1.35	604.6
11/1/2012 17:10	0.58	1.35	604.6
11/1/2012 17:20	0.58	1.35	604.6
11/1/2012 17:30	0.58	1.35	604.6
11/1/2012 17:40	0.58	1.35	604.6
11/1/2012 17:50	0.58	1.35	604.6
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11/1/2012 18:10	0.58	1.35	604.6
11/1/2012 18:20	0.58	1.35	604.6
11/1/2012 18:30	0.58	1.35	604.6
11/1/2012 18:40	0.58	1.35	604.6
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11/1/2012 19:30	0.58	1.35	604.6
11/1/2012 19:40	0.58	1.35	604.6
11/1/2012 19:50	0.58	1.35	604.6
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11/1/2012 20:10	0.58	1.35	604.6
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11/1/2012 20:30	0.58	1.35	604.6
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11/1/2012 20:50	0.58	1.35	604.6
11/1/2012 21:00	0.58	1.35	604.6
11/1/2012 21:10	0.58	1.35	604.6
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11/1/2012 21:30	0.58	1.35	604.6
11/1/2012 21:40	0.58	1.35	604.6
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11/1/2012 22:20	0.58	1.35	604.6
11/1/2012 22:30	0.58	1.35	604.6

11/1/2012 22:40	0.58	1.35	604.6
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11/2/2012 5:10	0.58	1.35	604.6
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11/2/2012 5:30	0.58	1.35	604.6
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11/2/2012 6:00	0.58	1.35	604.6
11/2/2012 6:10	0.58	1.35	604.6
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11/2/2012 6:50	0.58	1.35	604.6
11/2/2012 7:00	0.58	1.35	604.6
11/2/2012 7:10	0.58	1.35	604.6
11/2/2012 7:20	0.58	1.35	604.6
11/2/2012 7:30	0.58	1.35	604.6
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11/2/2012 7:50	0.58	1.35	604.6
11/2/2012 8:00	0.58	1.35	604.6
11/2/2012 8:10	0.58	1.35	604.6
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11/2/2012 8:30	0.58	1.35	604.6
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11/2/2012 9:10	0.58	1.35	604.6
11/2/2012 9:20	0.58	1.35	604.6
11/2/2012 9:30	0.58	1.35	604.6
11/2/2012 9:40	0.58	1.35	604.6
11/2/2012 9:50	0.58	1.35	604.6
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11/2/2012 10:30	0.58	1.35	604.6
11/2/2012 10:40	0.58	1.35	604.6
11/2/2012 10:50	0.58	1.35	604.6
11/2/2012 11:00	0.58	1.35	604.6
11/2/2012 11:10	0.58	1.35	604.6
11/2/2012 11:20	0.58	1.35	604.6
11/2/2012 11:30	0.58	1.35	604.6
11/2/2012 11:40	0.58	1.35	604.6
11/2/2012 11:50	0.58	1.35	604.6
11/2/2012 12:00	0.58	1.35	604.6
11/2/2012 12:10	0.58	1.35	604.6
11/2/2012 12:20	0.58	1.35	604.6
11/2/2012 12:30	0.58	1.35	604.6
11/2/2012 12:40	0.58	1.35	604.6
11/2/2012 12:50	0.58	1.35	604.6
11/2/2012 13:00	0.58	1.35	604.6
11/2/2012 13:10	0.58	1.35	604.6
11/2/2012 13:20	0.58	1.35	604.6
11/2/2012 13:30	0.58	1.35	604.6
11/2/2012 13:40	0.58	1.35	604.6
11/2/2012 13:50	0.58	1.35	604.6
11/2/2012 14:00	0.58	1.35	604.6
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11/28/2012 21:30	0.57	1.31	588.9
11/28/2012 21:40	0.57	1.31	588.9
11/28/2012 21:50	0.57	1.31	588.9
11/28/2012 22:00	0.57	1.31	588.9
11/28/2012 22:10	0.57	1.31	588.9
11/28/2012 22:20	0.57	1.31	588.9
11/28/2012 22:30	0.57	1.31	588.9
11/28/2012 22:40	0.57	1.31	588.9
11/28/2012 22:50	0.57	1.31	588.9
11/28/2012 23:00	0.57	1.31	588.9
11/28/2012 23:10	0.57	1.31	588.9
11/28/2012 23:20	0.57	1.31	588.9
11/28/2012 23:30	0.57	1.31	588.9
11/28/2012 23:40	0.57	1.31	588.9

11/28/2012 23:50	0.57	1.31	588.9
11/29/2012 0:00	0.57	1.31	588.9
11/29/2012 0:10	0.57	1.31	588.9
11/29/2012 0:20	0.57	1.31	588.9
11/29/2012 0:30	0.57	1.31	588.9
11/29/2012 0:40	0.57	1.31	588.9
11/29/2012 0:50	0.57	1.31	588.9
11/29/2012 1:00	0.57	1.31	588.9
11/29/2012 1:10	0.57	1.31	588.9
11/29/2012 1:20	0.57	1.31	588.9
11/29/2012 1:30	0.57	1.31	588.9
11/29/2012 1:40	0.57	1.31	588.9
11/29/2012 1:50	0.57	1.31	588.9
11/29/2012 2:00	0.57	1.31	588.9
11/29/2012 2:10	0.57	1.31	588.9
11/29/2012 2:20	0.57	1.31	588.9
11/29/2012 2:30	0.57	1.31	588.9
11/29/2012 2:40	0.57	1.31	588.9
11/29/2012 2:50	0.57	1.31	588.9
11/29/2012 3:00	0.57	1.31	588.9
11/29/2012 3:10	0.57	1.31	588.9
11/29/2012 3:20	0.57	1.31	588.9
11/29/2012 3:30	0.57	1.31	588.9
11/29/2012 3:40	0.57	1.31	588.9
11/29/2012 3:50	0.57	1.31	588.9
11/29/2012 4:00	0.57	1.31	588.9
11/29/2012 4:10	0.57	1.31	588.9
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11/29/2012 4:30	0.57	1.31	588.9
11/29/2012 4:40	0.57	1.31	588.9
11/29/2012 4:50	0.57	1.31	588.9
11/29/2012 5:00	0.57	1.31	588.9
11/29/2012 5:10	0.57	1.31	588.9
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11/29/2012 5:30	0.57	1.31	588.9
11/29/2012 5:40	0.57	1.31	588.9
11/29/2012 5:50	0.57	1.31	588.9
11/29/2012 6:00	0.57	1.31	588.9
11/29/2012 6:10	0.57	1.31	588.9
11/29/2012 6:20	0.57	1.31	588.9
11/29/2012 6:30	0.57	1.31	588.9
11/29/2012 6:40	0.57	1.31	588.9
11/29/2012 6:50	0.57	1.31	588.9
11/29/2012 7:00	0.57	1.31	588.9
11/29/2012 7:10	0.57	1.31	588.9
11/29/2012 7:20	0.57	1.31	588.9
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11/29/2012 7:40	0.57	1.31	588.9
11/29/2012 7:50	0.57	1.31	588.9
11/29/2012 8:00	0.57	1.31	588.9
11/29/2012 8:10	0.57	1.31	588.9
11/29/2012 8:20	0.57	1.31	588.9
11/29/2012 8:30	0.57	1.31	588.9
11/29/2012 8:40	0.57	1.31	588.9
11/29/2012 8:50	0.57	1.31	588.9
11/29/2012 9:00	0.57	1.31	588.9
11/29/2012 9:10	0.57	1.31	588.9
11/29/2012 9:20	0.57	1.31	588.9
11/29/2012 9:30	0.57	1.31	588.9
11/29/2012 9:40	0.57	1.31	588.9
11/29/2012 9:50	0.57	1.31	588.9
11/29/2012 10:00	0.57	1.31	588.9
11/29/2012 10:10	0.57	1.31	588.9
11/29/2012 10:20	0.57	1.31	588.9
11/29/2012 10:30	0.57	1.31	588.9
11/29/2012 10:40	0.57	1.31	588.9
11/29/2012 10:50	0.57	1.31	588.9
11/29/2012 11:00	0.57	1.31	588.9
11/29/2012 11:10	0.57	1.31	588.9
11/29/2012 11:20	0.57	1.31	588.9
11/29/2012 11:30	0.57	1.31	588.9
11/29/2012 11:40	0.57	1.31	588.9
11/29/2012 11:50	0.57	1.31	588.9
11/29/2012 12:00	0.57	1.31	588.9
11/29/2012 12:10	0.57	1.31	588.9
11/29/2012 12:20	0.57	1.31	588.9
11/29/2012 12:30	0.57	1.31	588.9
11/29/2012 12:40	0.57	1.31	588.9
11/29/2012 12:50	0.57	1.31	588.9
11/29/2012 13:00	0.57	1.31	588.9
11/29/2012 13:10	0.57	1.31	588.9
11/29/2012 13:20	0.57	1.31	588.9
11/29/2012 13:30	0.57	1.31	588.9
11/29/2012 13:40	0.57	1.31	588.9
11/29/2012 13:50	0.57	1.31	588.9
11/29/2012 14:00	0.57	1.31	588.9
11/29/2012 14:10	0.57	1.31	588.9
11/29/2012 14:20	0.57	1.31	588.9
11/29/2012 14:30	0.57	1.31	588.9
11/29/2012 14:40	0.57	1.31	588.9
11/29/2012 14:50	0.57	1.31	588.9
11/29/2012 15:00	0.57	1.31	588.9
11/29/2012 15:10	0.57	1.31	588.9
11/29/2012 15:20	0.57	1.31	588.9

11/29/2012 15:30	0.57	1.31	588.9
11/29/2012 15:40	0.57	1.31	588.9
11/29/2012 15:50	0.57	1.31	588.9
11/29/2012 16:00	0.57	1.31	588.9
11/29/2012 16:10	0.57	1.31	588.9
11/29/2012 16:20	0.57	1.31	588.9
11/29/2012 16:30	0.57	1.31	588.9
11/29/2012 16:40	0.57	1.31	588.9
11/29/2012 16:50	0.57	1.31	588.9
11/29/2012 17:00	0.57	1.31	588.9
11/29/2012 17:30	0.6	1.42	636.4
11/29/2012 17:30	0.6	1.42	636.4
11/29/2012 17:30	0.6	1.42	636.4
11/29/2012 17:40	0.6	1.42	636.4
11/29/2012 17:50	0.6	1.42	636.4
11/29/2012 18:00	0.6	1.42	636.4
11/29/2012 18:10	0.6	1.42	636.4
11/29/2012 18:20	0.6	1.42	636.4
11/29/2012 18:30	0.6	1.42	636.4
11/29/2012 18:40	0.6	1.42	636.4
11/29/2012 18:50	0.6	1.42	636.4
11/29/2012 19:00	0.6	1.42	636.4
11/29/2012 19:10	0.6	1.42	636.4
11/29/2012 19:20	0.6	1.42	636.4
11/29/2012 19:30	0.6	1.42	636.4
11/29/2012 19:40	0.6	1.42	636.4
11/29/2012 19:50	0.6	1.42	636.4
11/29/2012 20:00	0.6	1.42	636.4
11/29/2012 20:10	0.6	1.42	636.4
11/29/2012 20:20	0.6	1.42	636.4
11/29/2012 20:30	0.6	1.42	636.4
11/29/2012 20:40	0.6	1.42	636.4
11/29/2012 20:50	0.6	1.42	636.4
11/29/2012 21:00	0.6	1.42	636.4
11/29/2012 21:10	0.6	1.42	636.4
11/29/2012 21:20	0.6	1.42	636.4
11/29/2012 21:30	0.6	1.42	636.4
11/29/2012 21:40	0.6	1.42	636.4
11/29/2012 21:50	0.6	1.42	636.4
11/29/2012 22:00	0.6	1.42	636.4
11/29/2012 22:10	0.6	1.42	636.4
11/29/2012 22:20	0.6	1.42	636.4
11/29/2012 22:30	0.6	1.42	636.4
11/29/2012 22:40	0.6	1.42	636.4
11/29/2012 22:50	0.6	1.42	636.4
11/29/2012 23:00	0.6	1.42	636.4
11/29/2012 23:10	0.6	1.42	636.4

11/29/2012 23:20	0.6	1.42	636.4
11/29/2012 23:30	0.6	1.42	636.4
11/29/2012 23:40	0.6	1.42	636.4
11/29/2012 23:50	0.6	1.42	636.4
11/30/2012 0:00	0.6	1.42	636.4
11/30/2012 0:10	0.6	1.42	636.4
11/30/2012 0:20	0.6	1.42	636.4
11/30/2012 0:30	0.6	1.42	636.4
11/30/2012 0:40	0.6	1.42	636.4
11/30/2012 0:50	0.6	1.42	636.4
11/30/2012 1:00	0.6	1.42	636.4
11/30/2012 1:10	0.6	1.42	636.4
11/30/2012 1:20	0.6	1.42	636.4
11/30/2012 1:30	0.6	1.42	636.4
11/30/2012 1:40	0.6	1.42	636.4
11/30/2012 1:50	0.6	1.42	636.4
11/30/2012 2:00	0.6	1.42	636.4
11/30/2012 2:10	0.6	1.42	636.4
11/30/2012 2:20	0.6	1.42	636.4
11/30/2012 2:30	0.6	1.42	636.4
11/30/2012 2:40	0.6	1.42	636.4
11/30/2012 2:50	0.6	1.42	636.4
11/30/2012 3:00	0.6	1.42	636.4
11/30/2012 3:10	0.6	1.42	636.4
11/30/2012 3:20	0.6	1.42	636.4
11/30/2012 3:30	0.6	1.42	636.4
11/30/2012 3:40	0.6	1.42	636.4
11/30/2012 3:50	0.6	1.42	636.4
11/30/2012 4:00	0.6	1.42	636.4
11/30/2012 4:10	0.6	1.42	636.4
11/30/2012 4:20	0.6	1.42	636.4
11/30/2012 4:30	0.6	1.42	636.4
11/30/2012 4:40	0.6	1.42	636.4
11/30/2012 4:50	0.6	1.42	636.4
11/30/2012 5:00	0.6	1.42	636.4
11/30/2012 5:10	0.6	1.42	636.4
11/30/2012 5:20	0.6	1.42	636.4
11/30/2012 5:30	0.6	1.42	636.4
11/30/2012 5:40	0.6	1.42	636.4
11/30/2012 5:50	0.6	1.42	636.4
11/30/2012 6:00	0.6	1.42	636.4
11/30/2012 6:10	0.6	1.42	636.4
11/30/2012 6:20	0.6	1.42	636.4
11/30/2012 6:30	0.6	1.42	636.4
11/30/2012 6:40	0.6	1.42	636.4
11/30/2012 6:50	0.6	1.42	636.4
11/30/2012 7:00	0.6	1.42	636.4

11/30/2012 7:10	0.6	1.42	636.4
11/30/2012 7:20	0.6	1.42	636.4
11/30/2012 7:30	0.6	1.42	636.4
11/30/2012 7:40	0.6	1.42	636.4
11/30/2012 7:50	0.6	1.42	636.4
11/30/2012 8:00	0.6	1.42	636.4
11/30/2012 8:10	0.6	1.42	636.4
11/30/2012 8:20	0.6	1.42	636.4
11/30/2012 8:30	0.6	1.42	636.4
11/30/2012 8:40	0.6	1.42	636.4
11/30/2012 8:50	0.6	1.42	636.4
11/30/2012 9:00	0.6	1.42	636.4
11/30/2012 9:10	0.6	1.42	636.4
11/30/2012 9:20	0.6	1.42	636.4
11/30/2012 9:30	0.6	1.42	636.4
11/30/2012 9:40	0.6	1.42	636.4
11/30/2012 9:50	0.6	1.42	636.4
11/30/2012 10:00	0.6	1.42	636.4
11/30/2012 10:10	0.6	1.42	636.4
11/30/2012 10:20	0.6	1.42	636.4
11/30/2012 10:30	0.6	1.42	636.4
11/30/2012 10:40	0.6	1.42	636.4
11/30/2012 10:50	0.6	1.42	636.4
11/30/2012 11:00	0.6	1.42	636.4
11/30/2012 11:10	0.6	1.42	636.4
11/30/2012 11:20	0.6	1.42	636.4
11/30/2012 11:30	0.6	1.42	636.4
11/30/2012 11:40	0.6	1.42	636.4
11/30/2012 11:50	0.6	1.42	636.4
11/30/2012 12:00	0.6	1.42	636.4
11/30/2012 12:10	0.6	1.42	636.4
11/30/2012 12:20	0.6	1.42	636.4
11/30/2012 12:30	0.6	1.42	636.4
11/30/2012 12:40	0.6	1.42	636.4
11/30/2012 12:50	0.6	1.42	636.4
11/30/2012 13:00	0.6	1.42	636.4
11/30/2012 13:10	0.6	1.42	636.4
11/30/2012 13:20	0.6	1.42	636.4
11/30/2012 13:30	0.6	1.42	636.4
11/30/2012 13:40	0.6	1.42	636.4
11/30/2012 13:50	0.6	1.42	636.4
11/30/2012 14:00	0.6	1.42	636.4
11/30/2012 14:10	0.6	1.42	636.4
11/30/2012 14:20	0.6	1.42	636.4
11/30/2012 14:30	0.6	1.42	636.4
11/30/2012 14:40	0.6	1.42	636.4
11/30/2012 14:50	0.6	1.42	636.4

11/30/2012 15:00	0.6	1.42	636.4
11/30/2012 15:10	0.6	1.42	636.4
11/30/2012 15:20	0.6	1.42	636.4
11/30/2012 15:30	0.6	1.42	636.4
11/30/2012 15:40	0.6	1.42	636.4
11/30/2012 15:50	0.6	1.42	636.4
11/30/2012 16:00	0.6	1.42	636.4
11/30/2012 16:10	0.6	1.42	636.4
11/30/2012 16:20	0.6	1.42	636.4
11/30/2012 16:30	0.6	1.42	636.4
11/30/2012 16:40	0.6	1.42	636.4
11/30/2012 16:50	0.6	1.42	636.4
11/30/2012 17:00	0.6	1.42	636.4
11/30/2012 17:10	0.6	1.42	636.4
11/30/2012 17:20	0.6	1.42	636.4
11/30/2012 17:30	0.6	1.42	636.4
11/30/2012 17:40	0.6	1.42	636.4
11/30/2012 17:50	0.6	1.42	636.4
11/30/2012 18:00	0.6	1.42	636.4
11/30/2012 18:10	0.6	1.42	636.4
11/30/2012 18:20	0.6	1.42	636.4
11/30/2012 18:30	0.6	1.42	636.4
11/30/2012 18:40	0.6	1.42	636.4
11/30/2012 18:50	0.6	1.42	636.4
11/30/2012 19:00	0.6	1.42	636.4
11/30/2012 19:10	0.6	1.42	636.4
11/30/2012 19:20	0.6	1.42	636.4
11/30/2012 19:30	0.6	1.42	636.4
11/30/2012 19:40	0.6	1.42	636.4
11/30/2012 19:50	0.6	1.42	636.4
11/30/2012 20:00	0.6	1.42	636.4
11/30/2012 20:10	0.6	1.42	636.4
11/30/2012 20:20	0.6	1.42	636.4
11/30/2012 20:30	0.6	1.42	636.4
11/30/2012 20:40	0.6	1.42	636.4
11/30/2012 20:50	0.6	1.42	636.4
11/30/2012 21:00	0.6	1.42	636.4
11/30/2012 21:10	0.6	1.42	636.4
11/30/2012 21:20	0.6	1.42	636.4
11/30/2012 21:30	0.6	1.42	636.4
11/30/2012 21:40	0.6	1.42	636.4
11/30/2012 21:50	0.6	1.42	636.4
11/30/2012 22:00	0.6	1.42	636.4
11/30/2012 22:10	0.6	1.42	636.4
11/30/2012 22:20	0.6	1.42	636.4
11/30/2012 22:30	0.6	1.42	636.4
11/30/2012 22:40	0.6	1.42	636.4

11/30/2012 22:50	0.6	1.42	636.4
11/30/2012 23:00	0.6	1.42	636.4
11/30/2012 23:10	0.6	1.42	636.4
11/30/2012 23:20	0.6	1.42	636.4
11/30/2012 23:30	0.6	1.42	636.4
11/30/2012 23:40	0.6	1.42	636.4
11/30/2012 23:50	0.6	1.42	636.4

Appendix J

North Flume Ultrasonic Sensor Data with Flowrates

Ultrasonic Sensor Data at North Flume, November 2012

Date, Time	Reading	Depth to water (ft)	Depth from sensor to Bottom of Flume (ft)	Depth of Flow (ft)	Depth of Flow (in)	Flowrate (cfs)	Flowrate (gpm)
11/1/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 3:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/1/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 7:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 8:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 9:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 11:00:00 AM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/1/2012 12:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/1/2012 1:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/1/2012 2:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/1/2012 3:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/1/2012 4:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/1/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 6:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/1/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/1/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 3:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 4:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 7:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 8:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 9:00:00 AM	8.47	1.53	2.073	0.543	6.515	1.22	547.2
11/2/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 1:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/2/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 5:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/2/2012 6:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2

11/2/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/2/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 3:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 4:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/3/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/3/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/3/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/3/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 12:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/3/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 2:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/3/2012 3:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/3/2012 4:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/3/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 6:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/3/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/3/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/4/2012 4:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/4/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/4/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/4/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/4/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 12:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/4/2012 1:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/4/2012 2:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/4/2012 3:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/4/2012 4:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/4/2012 5:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0

11/4/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/4/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/4/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/5/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 3:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 4:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 7:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 8:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 9:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 12:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/5/2012 1:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/5/2012 2:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/5/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 4:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/5/2012 5:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/5/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/5/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 3:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/6/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/6/2012 8:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/6/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 11:00:00 AM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/6/2012 12:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/6/2012 1:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/6/2012 2:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/6/2012 3:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/6/2012 4:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0

11/6/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 7:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/6/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/6/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 1:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/7/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/7/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/7/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/7/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 7:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/7/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/7/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 11:00:00 AM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/7/2012 12:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/7/2012 1:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/7/2012 2:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/7/2012 3:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/7/2012 4:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/7/2012 5:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/7/2012 6:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/7/2012 7:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/7/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/7/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/8/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/8/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 6:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/8/2012 7:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 8:00:00 AM	8.47	1.53	2.073	0.543	6.515	1.22	547.2
11/8/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/8/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 12:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/8/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 2:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/8/2012 3:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5

11/8/2012 4:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/8/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/8/2012 9:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/8/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/8/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 1:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 2:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 3:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 4:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 7:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/9/2012 9:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 12:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/9/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/9/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/9/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/10/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 1:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 4:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/10/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/10/2012 6:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/10/2012 7:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/10/2012 8:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/10/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 10:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 11:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 12:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 1:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 2:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0

11/10/2012 3:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 4:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 5:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/10/2012 6:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 7:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/10/2012 9:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/10/2012 11:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 1:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 6:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 10:00:00 AM	8.41	1.59	2.073	0.483	5.795	1.02	458.4
11/11/2012 11:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 12:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 1:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 2:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 3:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 4:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 5:00:00 PM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/11/2012 6:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/11/2012 7:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/12/2012 12:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/12/2012 1:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/12/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/12/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/12/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/12/2012 5:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/12/2012 6:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/12/2012 7:00:00 PM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/12/2012 8:00:00 PM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/12/2012 9:00:00 PM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/12/2012 10:00:00 PM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/12/2012 11:00:00 PM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/13/2012 12:00:00 AM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/13/2012 1:00:00 AM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/13/2012 2:00:00 AM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/13/2012 3:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/13/2012 4:00:00 AM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/13/2012 5:00:00 AM	8.51	1.49	2.073	0.583	6.995	1.36	609.2

11/13/2012 6:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/13/2012 7:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/13/2012 8:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/13/2012 9:00:00 AM	5.11	4.89	2.073	-2.817	-33.805	#NUM!	#NUM!
11/13/2012 10:00:14 AM	8.38	1.62	2.073	0.453	5.435	0.93	416.1
11/13/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/13/2012 12:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/13/2012 1:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/13/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/13/2012 3:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/13/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/13/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/13/2012 6:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/13/2012 7:00:00 PM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/13/2012 8:00:00 PM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/13/2012 9:00:00 PM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/13/2012 10:00:00 PM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/13/2012 11:00:00 PM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 12:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 1:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 2:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 3:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 4:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 5:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 6:00:00 AM	8.51	1.49	2.073	0.583	6.995	1.36	609.2
11/14/2012 7:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 8:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 9:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 10:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/14/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/14/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/14/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/14/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/14/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/14/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/14/2012 6:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/14/2012 7:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/14/2012 8:00:00 PM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/14/2012 10:00:00 PM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/14/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 12:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/15/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5

11/15/2012 5:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 7:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/15/2012 8:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/15/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 12:00:00 PM	8.44	1.56	2.073	0.513	6.155	1.12	502.1
11/15/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/15/2012 7:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 8:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/15/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/15/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/15/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 12:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 1:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/16/2012 2:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/16/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 5:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 6:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/16/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 11:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 12:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 1:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/16/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/16/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/16/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/16/2012 5:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/16/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/16/2012 8:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/16/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/16/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/16/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 12:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/17/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5

11/17/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 5:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/17/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/17/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/17/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/17/2012 2:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/17/2012 3:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/17/2012 4:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/17/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/17/2012 6:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/17/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 9:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/17/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/17/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 12:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/18/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/18/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/18/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 11:00:00 AM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/18/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/18/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/18/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/18/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/18/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/18/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/18/2012 6:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 7:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/18/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/18/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/19/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5

11/19/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/19/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 5:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/19/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/19/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 11:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/19/2012 12:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/19/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/19/2012 2:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/19/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/19/2012 4:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/19/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/19/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/19/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/19/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/19/2012 11:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/20/2012 12:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/20/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 5:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/20/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/20/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/20/2012 12:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/20/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/20/2012 2:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/20/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/20/2012 4:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/20/2012 5:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/20/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/20/2012 7:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/20/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/20/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/21/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5

11/21/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/21/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/21/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/21/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/21/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 10:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/21/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/21/2012 12:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/21/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/21/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/21/2012 3:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/21/2012 4:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/21/2012 5:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/21/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/21/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/21/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/21/2012 11:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/22/2012 12:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/22/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/22/2012 6:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/22/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/22/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/22/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/22/2012 12:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/22/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/22/2012 2:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/22/2012 3:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/22/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/22/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/22/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/22/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/22/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/22/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0

11/23/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/23/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/23/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 5:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/23/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/23/2012 1:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/23/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/23/2012 3:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/23/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/23/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/23/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/23/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/23/2012 8:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/23/2012 11:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 12:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 1:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/24/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/24/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 6:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/24/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/24/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/24/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/24/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 2:00:00 PM	8.54	1.46	2.073	0.613	7.355	1.46	657.2
11/24/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 5:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/24/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 7:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 8:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/24/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/24/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5

11/25/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/25/2012 1:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/25/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/25/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/25/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/25/2012 5:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/25/2012 6:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/25/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/25/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/25/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/25/2012 10:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 3:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/25/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 7:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/25/2012 8:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/25/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/25/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/25/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 12:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 3:00:00 AM	8.46	1.54	2.073	0.533	6.395	1.19	532.0
11/26/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/26/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/26/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 8:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 9:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 10:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/26/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/26/2012 7:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/26/2012 8:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/26/2012 9:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/26/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5

11/26/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/27/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 1:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/27/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/27/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/27/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 10:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 11:00:00 AM	8.44	1.56	2.073	0.513	6.155	1.12	502.1
11/27/2012 12:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/27/2012 1:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/27/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/27/2012 3:00:00 PM	8.48	1.52	2.073	0.553	6.635	1.25	562.5
11/27/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/27/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/27/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/27/2012 7:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 8:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/27/2012 9:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/27/2012 10:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/27/2012 11:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/28/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/28/2012 2:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/28/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/28/2012 4:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 5:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 6:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/28/2012 11:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 1:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/28/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 7:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/28/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9

11/28/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/28/2012 11:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/29/2012 12:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/29/2012 3:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 5:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 6:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/29/2012 7:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/29/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/29/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 3:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 5:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 6:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 7:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/29/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 10:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/29/2012 11:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 12:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 1:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/30/2012 2:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 3:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 4:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/30/2012 5:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/30/2012 6:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/30/2012 7:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 8:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 9:00:00 AM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 10:00:00 AM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/30/2012 11:00:00 AM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/30/2012 12:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/30/2012 1:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/30/2012 2:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/30/2012 3:00:00 PM	8.53	1.47	2.073	0.603	7.235	1.43	641.0
11/30/2012 4:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/30/2012 5:00:00 PM	8.5	1.5	2.073	0.573	6.875	1.32	593.5
11/30/2012 6:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 7:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/30/2012 8:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9

11/30/2012 9:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9
11/30/2012 10:00:00 PM	8.45	1.55	2.073	0.523	6.275	1.15	517.0
11/30/2012 11:00:00 PM	8.49	1.51	2.073	0.563	6.755	1.29	577.9

Appendix K

South Flume Orpheus Mini Data with Flowrates

OTT Opheus Mini Data at South Flume, November 2012

Date	Time	Depth from top of flume to water (ft)	Depth of Flume Total (ft)	Depth of Flow (ft)	Flowrate (cfs)	Flowrate (gpm)
11/1/2012	12:00:00 AM	2.06	2.5	0.44	0.89	398.3
11/1/2012	1:00:00 AM	2.07	2.5	0.43	0.86	384.7
11/1/2012	2:00:00 AM	2.07	2.5	0.43	0.86	384.7
11/1/2012	3:00:00 AM	2.08	2.5	0.42	0.83	371.3
11/1/2012	4:00:00 AM	2.09	2.5	0.41	0.80	358.0
11/1/2012	5:00:00 AM	2.1	2.5	0.40	0.77	344.9
11/1/2012	6:00:00 AM	2.12	2.5	0.38	0.71	319.2
11/1/2012	7:00:00 AM	2.13	2.5	0.37	0.68	306.6
11/1/2012	8:00:00 AM	2.14	2.5	0.36	0.66	294.1
11/1/2012	9:00:00 AM	2.15	2.5	0.35	0.63	281.9
11/1/2012	10:00:00 AM	2.16	2.5	0.34	0.60	269.8
11/1/2012	11:00:00 AM	2.17	2.5	0.33	0.57	257.9
11/1/2012	12:00:00 PM	2.18	2.5	0.32	0.55	246.2
11/1/2012	1:00:00 PM	2.18	2.5	0.32	0.55	246.2
11/1/2012	2:00:00 PM	2.19	2.5	0.31	0.52	234.7
11/1/2012	3:00:00 PM	2.2	2.5	0.30	0.50	223.3
11/1/2012	4:00:00 PM	2.21	2.5	0.29	0.47	212.2
11/1/2012	5:00:00 PM	2.22	2.5	0.28	0.45	201.2
11/1/2012	6:00:00 PM	2.22	2.5	0.28	0.45	201.2
11/1/2012	7:00:00 PM	2.23	2.5	0.27	0.42	190.5
11/1/2012	8:00:00 PM	2.23	2.5	0.27	0.42	190.5
11/1/2012	9:00:00 PM	2.24	2.5	0.26	0.40	179.9
11/1/2012	10:00:00 PM	2.24	2.5	0.26	0.40	179.9
11/1/2012	11:00:00 PM	2.25	2.5	0.25	0.38	169.6
11/2/2012	12:00:00 AM	2.26	2.5	0.24	0.36	159.4
11/2/2012	1:00:00 AM	2.26	2.5	0.24	0.36	159.4
11/2/2012	2:00:00 AM	2.29	2.5	0.21	0.29	130.3
11/2/2012	3:00:00 AM	2.33	2.5	0.17	0.21	94.7
11/2/2012	4:00:00 AM	2.34	2.5	0.16	0.19	86.4
11/2/2012	5:00:00 AM	2.34	2.5	0.16	0.19	86.4
11/2/2012	6:00:00 AM	2.33	2.5	0.17	0.21	94.7
11/2/2012	7:00:00 AM	2.32	2.5	0.18	0.23	103.2
11/2/2012	8:00:00 AM	2.31	2.5	0.19	0.25	112.0
11/2/2012	9:00:00 AM	2.31	2.5	0.19	0.25	112.0
11/2/2012	10:00:00 AM	2.21	2.5	0.29	0.47	212.2
11/2/2012	11:00:00 AM	2.23	2.5	0.27	0.42	190.5
11/2/2012	12:00:00 PM	2.25	2.5	0.25	0.38	169.6
11/2/2012	1:00:00 PM	2.25	2.5	0.25	0.38	169.6
11/2/2012	2:00:00 PM	2.25	2.5	0.25	0.38	169.6
11/2/2012	3:00:00 PM	2.23	2.5	0.27	0.42	190.5
11/2/2012	4:00:00 PM	2.21	2.5	0.29	0.47	212.2
11/2/2012	5:00:00 PM	2.19	2.5	0.31	0.52	234.7
11/2/2012	6:00:00 PM	2.17	2.5	0.33	0.57	257.9

11/2/2012	7:00:00 PM	2.15	2.5	0.35	0.63	281.9
11/2/2012	8:00:00 PM	2.14	2.5	0.36	0.66	294.1
11/2/2012	9:00:00 PM	2.14	2.5	0.36	0.66	294.1
11/2/2012	10:00:00 PM	2.13	2.5	0.37	0.68	306.6
11/2/2012	11:00:00 PM	2.14	2.5	0.36	0.66	294.1
11/3/2012	12:00:00 AM	2.14	2.5	0.36	0.66	294.1
11/3/2012	1:00:00 AM	2.15	2.5	0.35	0.63	281.9
11/3/2012	2:00:00 AM	2.16	2.5	0.34	0.60	269.8
11/3/2012	3:00:00 AM	2.17	2.5	0.33	0.57	257.9
11/3/2012	4:00:00 AM	2.17	2.5	0.33	0.57	257.9
11/3/2012	5:00:00 AM	2.17	2.5	0.33	0.57	257.9
11/3/2012	6:00:00 AM	2.16	2.5	0.34	0.60	269.8
11/3/2012	7:00:00 AM	2.16	2.5	0.34	0.60	269.8
11/3/2012	8:00:00 AM	2.14	2.5	0.36	0.66	294.1
11/3/2012	9:00:00 AM	2.13	2.5	0.37	0.68	306.6
11/3/2012	10:00:00 AM	2.11	2.5	0.39	0.74	332.0
11/3/2012	11:00:00 AM	2.1	2.5	0.40	0.77	344.9
11/3/2012	12:00:00 PM	2.08	2.5	0.42	0.83	371.3
11/3/2012	1:00:00 PM	2.07	2.5	0.43	0.86	384.7
11/3/2012	2:00:00 PM	2.06	2.5	0.44	0.89	398.3
11/3/2012	3:00:00 PM	2.05	2.5	0.45	0.92	412.1
11/3/2012	4:00:00 PM	2.05	2.5	0.45	0.92	412.1
11/3/2012	5:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/3/2012	6:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/3/2012	7:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/3/2012	8:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/3/2012	9:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/3/2012	10:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/3/2012	11:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/4/2012	12:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/4/2012	1:00:00 AM	2.05	2.5	0.45	0.92	412.1
11/4/2012	2:00:00 AM	2.05	2.5	0.45	0.92	412.1
11/4/2012	3:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/4/2012	4:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/4/2012	5:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/4/2012	6:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/4/2012	7:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/4/2012	8:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/4/2012	9:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/4/2012	10:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/4/2012	11:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/4/2012	12:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/4/2012	1:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/4/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/4/2012	3:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/4/2012	4:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/4/2012	5:00:00 PM	2.02	2.5	0.48	1.01	454.3

11/4/2012	6:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/4/2012	7:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/4/2012	8:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/4/2012	9:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/4/2012	10:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/4/2012	11:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/5/2012	12:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/5/2012	1:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/5/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/5/2012	3:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/5/2012	4:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/5/2012	5:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/5/2012	6:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/5/2012	7:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/5/2012	8:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/5/2012	9:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/5/2012	10:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/5/2012	11:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/5/2012	12:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/5/2012	1:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/5/2012	2:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/5/2012	3:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/5/2012	4:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/5/2012	5:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/5/2012	6:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/5/2012	7:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/5/2012	8:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/5/2012	9:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/5/2012	10:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/5/2012	11:00:00 PM	2.06	2.5	0.44	0.89	398.3
11/6/2012	12:00:00 AM	2.07	2.5	0.43	0.86	384.7
11/6/2012	1:00:00 AM	2.09	2.5	0.41	0.80	358.0
11/6/2012	2:00:00 AM	2.11	2.5	0.39	0.74	332.0
11/6/2012	3:00:00 AM	2.12	2.5	0.38	0.71	319.2
11/6/2012	4:00:00 AM	2.13	2.5	0.37	0.68	306.6
11/6/2012	5:00:00 AM	2.15	2.5	0.35	0.63	281.9
11/6/2012	6:00:00 AM	2.16	2.5	0.34	0.60	269.8
11/6/2012	7:00:00 AM	2.17	2.5	0.33	0.57	257.9
11/6/2012	8:00:00 AM	2.18	2.5	0.32	0.55	246.2
11/6/2012	9:00:00 AM	2.19	2.5	0.31	0.52	234.7
11/6/2012	10:00:00 AM	2.19	2.5	0.31	0.52	234.7
11/6/2012	11:00:00 AM	2.2	2.5	0.30	0.50	223.3
11/6/2012	12:00:00 PM	2.21	2.5	0.29	0.47	212.2
11/6/2012	1:00:00 PM	2.22	2.5	0.28	0.45	201.2
11/6/2012	2:00:00 PM	2.23	2.5	0.27	0.42	190.5
11/6/2012	3:00:00 PM	2.23	2.5	0.27	0.42	190.5
11/6/2012	4:00:00 PM	2.24	2.5	0.26	0.40	179.9

11/6/2012	5:00:00 PM	2.24	2.5	0.26	0.40	179.9
11/6/2012	6:00:00 PM	2.25	2.5	0.25	0.38	169.6
11/6/2012	7:00:00 PM	2.26	2.5	0.24	0.36	159.4
11/6/2012	8:00:00 PM	2.26	2.5	0.24	0.36	159.4
11/6/2012	9:00:00 PM	2.27	2.5	0.23	0.33	149.5
11/6/2012	10:00:00 PM	2.27	2.5	0.23	0.33	149.5
11/6/2012	11:00:00 PM	2.28	2.5	0.22	0.31	139.8
11/7/2012	12:00:00 AM	2.28	2.5	0.22	0.31	139.8
11/7/2012	1:00:00 AM	2.28	2.5	0.22	0.31	139.8
11/7/2012	2:00:00 AM	2.29	2.5	0.21	0.29	130.3
11/7/2012	3:00:00 AM	2.29	2.5	0.21	0.29	130.3
11/7/2012	4:00:00 AM	2.29	2.5	0.21	0.29	130.3
11/7/2012	5:00:00 AM	2.28	2.5	0.22	0.31	139.8
11/7/2012	6:00:00 AM	2.27	2.5	0.23	0.33	149.5
11/7/2012	7:00:00 AM	2.24	2.5	0.26	0.40	179.9
11/7/2012	8:00:00 AM	2.2	2.5	0.30	0.50	223.3
11/7/2012	9:00:00 AM	2.15	2.5	0.35	0.63	281.9
11/7/2012	10:00:00 AM	2.11	2.5	0.39	0.74	332.0
11/7/2012	11:00:00 AM	2.07	2.5	0.43	0.86	384.7
11/7/2012	12:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/7/2012	1:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/7/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/7/2012	3:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/7/2012	4:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/7/2012	5:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/7/2012	6:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/7/2012	7:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/7/2012	8:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/7/2012	9:00:00 PM	2.05	2.5	0.45	0.92	412.1
11/7/2012	10:00:00 PM	2.06	2.5	0.44	0.89	398.3
11/7/2012	11:00:00 PM	2.08	2.5	0.42	0.83	371.3
11/8/2012	12:00:00 AM	2.09	2.5	0.41	0.80	358.0
11/8/2012	1:00:00 AM	2.1	2.5	0.40	0.77	344.9
11/8/2012	2:00:00 AM	2.1	2.5	0.40	0.77	344.9
11/8/2012	3:00:00 AM	2.11	2.5	0.39	0.74	332.0
11/8/2012	4:00:00 AM	2.09	2.5	0.41	0.80	358.0
11/8/2012	5:00:00 AM	2.08	2.5	0.42	0.83	371.3
11/8/2012	6:00:00 AM	2.07	2.5	0.43	0.86	384.7
11/8/2012	7:00:00 AM	2.06	2.5	0.44	0.89	398.3
11/8/2012	8:00:00 AM	2.05	2.5	0.45	0.92	412.1
11/8/2012	9:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/8/2012	10:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/8/2012	11:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/8/2012	12:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/8/2012	1:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/8/2012	2:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/8/2012	3:00:00 PM	1.99	2.5	0.51	1.11	497.8

11/8/2012	4:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/8/2012	5:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/8/2012	6:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/8/2012	7:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/8/2012	8:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/8/2012	9:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/8/2012	10:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/8/2012	11:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/9/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/9/2012	1:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/9/2012	2:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/9/2012	3:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/9/2012	4:00:00 AM	1.97	2.5	0.53	1.18	527.6
11/9/2012	5:00:00 AM	1.94	2.5	0.56	1.28	573.4
11/9/2012	6:00:00 AM	1.92	2.5	0.58	1.35	604.6
11/9/2012	7:00:00 AM	1.91	2.5	0.59	1.38	620.4
11/9/2012	8:00:00 AM	1.91	2.5	0.59	1.38	620.4
11/9/2012	9:00:00 AM	1.92	2.5	0.58	1.35	604.6
11/9/2012	10:00:00 AM	1.92	2.5	0.58	1.35	604.6
11/9/2012	11:00:00 AM	1.93	2.5	0.57	1.31	588.9
11/9/2012	12:00:00 PM	1.93	2.5	0.57	1.31	588.9
11/9/2012	1:00:00 PM	1.93	2.5	0.57	1.31	588.9
11/9/2012	2:00:00 PM	1.94	2.5	0.56	1.28	573.4
11/9/2012	3:00:00 PM	1.95	2.5	0.55	1.24	558.0
11/9/2012	4:00:00 PM	1.95	2.5	0.55	1.24	558.0
11/9/2012	5:00:00 PM	1.96	2.5	0.54	1.21	542.7
11/9/2012	6:00:00 PM	1.96	2.5	0.54	1.21	542.7
11/9/2012	7:00:00 PM	1.97	2.5	0.53	1.18	527.6
11/9/2012	8:00:00 PM	1.97	2.5	0.53	1.18	527.6
11/9/2012	9:00:00 PM	1.97	2.5	0.53	1.18	527.6
11/9/2012	10:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/9/2012	11:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/10/2012	12:00:00 AM	1.98	2.5	0.52	1.14	512.6
11/10/2012	1:00:00 AM	1.98	2.5	0.52	1.14	512.6
11/10/2012	2:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/10/2012	3:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/10/2012	4:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/10/2012	5:00:00 AM	1.99	2.5	0.51	1.11	497.8
11/10/2012	6:00:00 AM	1.98	2.5	0.52	1.14	512.6
11/10/2012	7:00:00 AM	1.97	2.5	0.53	1.18	527.6
11/10/2012	8:00:00 AM	1.97	2.5	0.53	1.18	527.6
11/10/2012	9:00:00 AM	1.96	2.5	0.54	1.21	542.7
11/10/2012	10:00:00 AM	1.96	2.5	0.54	1.21	542.7
11/10/2012	11:00:00 AM	1.96	2.5	0.54	1.21	542.7
11/10/2012	12:00:00 PM	1.97	2.5	0.53	1.18	527.6
11/10/2012	1:00:00 PM	1.97	2.5	0.53	1.18	527.6
11/10/2012	2:00:00 PM	1.97	2.5	0.53	1.18	527.6

11/10/2012	3:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/10/2012	4:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/10/2012	5:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/10/2012	6:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/10/2012	7:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/10/2012	8:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/10/2012	9:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/10/2012	10:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/10/2012	11:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	12:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	1:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	2:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	3:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	4:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	5:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	6:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	7:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	8:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	9:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	10:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	11:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/11/2012	12:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	1:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	2:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	3:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	4:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/11/2012	5:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	6:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	7:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/11/2012	8:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	9:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	10:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/11/2012	11:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/12/2012	12:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	1:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	2:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	3:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	4:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	5:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	6:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	7:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	8:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	9:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	10:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/12/2012	11:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/12/2012	12:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	1:00:00 PM	2.0	2.5	0.50	1.08	483.2

11/12/2012	2:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	3:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	4:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	5:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	6:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	7:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	8:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	9:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	10:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/12/2012	11:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	12:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/13/2012	1:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	2:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/13/2012	3:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/13/2012	4:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/13/2012	5:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	6:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	7:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	8:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	9:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	10:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	11:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/13/2012	12:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/13/2012	1:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/13/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/13/2012	3:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	4:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	5:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	6:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	7:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	8:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	9:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	10:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/13/2012	11:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/14/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	1:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	3:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/14/2012	4:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	5:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	6:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	7:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	8:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	9:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	10:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/14/2012	11:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/14/2012	12:00:00 PM	2.01	2.5	0.49	1.04	468.6

11/14/2012	1:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/14/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/14/2012	3:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/14/2012	4:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/14/2012	5:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/14/2012	6:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/14/2012	7:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/14/2012	8:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/14/2012	9:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/14/2012	10:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/14/2012	11:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/15/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	1:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	3:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	4:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	5:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	6:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	7:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	8:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	9:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	10:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	11:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/15/2012	12:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/15/2012	1:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/15/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/15/2012	3:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/15/2012	4:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/15/2012	5:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/15/2012	6:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/15/2012	7:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/15/2012	8:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/15/2012	9:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/15/2012	10:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/15/2012	11:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/16/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	1:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	3:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	4:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	5:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	6:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	7:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	8:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	9:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	10:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/16/2012	11:00:00 AM	2.01	2.5	0.49	1.04	468.6

11/16/2012	12:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/16/2012	1:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/16/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/16/2012	3:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/16/2012	4:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/16/2012	5:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/16/2012	6:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/16/2012	7:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/16/2012	8:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/16/2012	9:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/16/2012	10:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/16/2012	11:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	1:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	3:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	4:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	5:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	6:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	7:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	8:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	9:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	10:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	11:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/17/2012	12:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	1:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	3:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	4:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	5:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	6:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	7:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	8:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	9:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	10:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/17/2012	11:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/18/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/18/2012	1:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/18/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/18/2012	3:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/18/2012	4:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/18/2012	5:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/18/2012	6:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/18/2012	7:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/18/2012	8:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/18/2012	9:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/18/2012	10:00:00 AM	2.0	2.5	0.50	1.08	483.2

11/18/2012	11:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/18/2012	12:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/18/2012	1:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/18/2012	2:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/18/2012	3:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/18/2012	4:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/18/2012	5:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/18/2012	6:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/18/2012	7:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/18/2012	8:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/18/2012	9:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/18/2012	10:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/18/2012	11:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	1:00:00 AM	2.0	2.5	0.50	1.08	483.2
11/19/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	3:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/19/2012	4:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	5:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	6:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	7:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	8:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	9:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/19/2012	10:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/19/2012	11:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/19/2012	12:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	1:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	2:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	3:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	4:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	5:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	6:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	7:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	8:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	9:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/19/2012	10:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/19/2012	11:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/20/2012	12:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	1:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	2:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/20/2012	3:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	4:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	5:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	6:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	7:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/20/2012	8:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/20/2012	9:00:00 AM	2.02	2.5	0.48	1.01	454.3

11/20/2012	10:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	11:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/20/2012	12:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/20/2012	1:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	2:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	3:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	4:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	5:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	6:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	7:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	8:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	9:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	10:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/20/2012	11:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	12:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	1:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	2:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/21/2012	3:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	4:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	5:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	6:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	7:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	8:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	9:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	10:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/21/2012	11:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/21/2012	12:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	1:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/21/2012	2:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/21/2012	3:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/21/2012	4:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	5:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/21/2012	6:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	7:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	8:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	9:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	10:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/21/2012	11:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	12:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	1:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	2:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	3:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	4:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	5:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	6:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	7:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	8:00:00 AM	2.04	2.5	0.46	0.95	426.0

11/22/2012	9:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	10:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	11:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/22/2012	12:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	1:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	2:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	3:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	4:00:00 PM	2.05	2.5	0.45	0.92	412.1
11/22/2012	5:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	6:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	7:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	8:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	9:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	10:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/22/2012	11:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	12:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	1:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	2:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	3:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	4:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	5:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	6:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	7:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	8:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	9:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	10:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	11:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/23/2012	12:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	1:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	2:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	3:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	4:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	5:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	6:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	7:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	8:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	9:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	10:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/23/2012	11:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/24/2012	12:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/24/2012	1:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	2:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	3:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	4:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/24/2012	5:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	6:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	7:00:00 AM	2.04	2.5	0.46	0.95	426.0

11/24/2012	8:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	9:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	10:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	11:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/24/2012	12:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	1:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	2:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	3:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	4:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	5:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	6:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	7:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	8:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	9:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/24/2012	10:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/24/2012	11:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	12:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	1:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	2:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	3:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	4:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/25/2012	5:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	6:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	7:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	8:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	9:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	10:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	11:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/25/2012	12:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	1:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	2:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	3:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/25/2012	4:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/25/2012	5:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	6:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	7:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	8:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	9:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/25/2012	10:00:00 PM	2.03	2.5	0.47	0.98	440.0
11/25/2012	11:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	12:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	1:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	2:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	3:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	4:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	5:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	6:00:00 AM	2.05	2.5	0.45	0.92	412.1

11/26/2012	7:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	8:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	9:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	10:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	11:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/26/2012	12:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	1:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	2:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	3:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	4:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	5:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	6:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	7:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	8:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	9:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	10:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/26/2012	11:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/27/2012	12:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/27/2012	1:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/27/2012	2:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/27/2012	3:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/27/2012	4:00:00 AM	2.05	2.5	0.45	0.92	412.1
11/27/2012	5:00:00 AM	2.05	2.5	0.45	0.92	412.1
11/27/2012	6:00:00 AM	2.04	2.5	0.46	0.95	426.0
11/27/2012	7:00:00 AM	2.05	2.5	0.45	0.92	412.1
11/27/2012	8:00:00 AM	2.07	2.5	0.43	0.86	384.7
11/27/2012	9:00:00 AM	2.09	2.5	0.41	0.80	358.0
11/27/2012	10:00:00 AM	2.13	2.5	0.37	0.68	306.6
11/27/2012	11:00:00 AM	2.15	2.5	0.35	0.63	281.9
11/27/2012	12:00:00 PM	2.13	2.5	0.37	0.68	306.6
11/27/2012	1:00:00 PM	2.09	2.5	0.41	0.80	358.0
11/27/2012	2:00:00 PM	2.04	2.5	0.46	0.95	426.0
11/27/2012	3:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/27/2012	4:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/27/2012	5:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/27/2012	6:00:00 PM	1.97	2.5	0.53	1.18	527.6
11/27/2012	7:00:00 PM	1.97	2.5	0.53	1.18	527.6
11/27/2012	8:00:00 PM	1.98	2.5	0.52	1.14	512.6
11/27/2012	9:00:00 PM	1.99	2.5	0.51	1.11	497.8
11/27/2012	10:00:00 PM	2.0	2.5	0.50	1.08	483.2
11/27/2012	11:00:00 PM	2.01	2.5	0.49	1.04	468.6
11/28/2012	12:00:00 AM	2.01	2.5	0.49	1.04	468.6
11/28/2012	1:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/28/2012	2:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/28/2012	3:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/28/2012	4:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/28/2012	5:00:00 AM	2.03	2.5	0.47	0.98	440.0

11/28/2012	6:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/28/2012	7:00:00 AM	2.02	2.5	0.48	1.01	454.3
11/28/2012	8:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/28/2012	9:00:00 AM	2.03	2.5	0.47	0.98	440.0
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11/28/2012	12:00:00 PM	2.02	2.5	0.48	1.01	454.3
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11/29/2012	12:00:00 PM	2.02	2.5	0.48	1.01	454.3
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11/30/2012	11:00:00 AM	2.03	2.5	0.47	0.98	440.0
11/30/2012	12:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/30/2012	1:00:00 PM	2.02	2.5	0.48	1.01	454.3
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11/30/2012	8:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/30/2012	9:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/30/2012	10:00:00 PM	2.02	2.5	0.48	1.01	454.3
11/30/2012	11:00:00 PM	2.02	2.5	0.48	1.01	454.3

Appendix L

Technical Standard Operating Procedure – Collection of Cross-Channel Surface Water Samples

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1.0 PURPOSE

This standard operating procedure (SOP) describes the requirements and process for collecting surface water samples from multiple locations across the channel of a wadeable stream. Collecting multiple samples along a transect perpendicular to the stream flow will provide information on the homogeneity of water chemistry across the channel (if samples are analyzed independently) or will provide a representative sample of stream water chemistry (if individual samples are composited before analysis). This procedure can be used wherever it is possible to wade completely across the channel. Where the water is too deep for wading, these procedures maybe modified to be used from a stable boat. Samples collected using this method may be analyzed on-site or transported to a laboratory. Proper preservation techniques may vary depending on the target analytes. Site-specific deviations from this SOP must be approved by the AECI Project Manager or the Client Project Manager prior to initiation of the sampling activity.

2.0 SCOPE

Surface water sampling is applicable to most study sites with surface drainages directly on the site or that are located hydraulically downgradient from such drainages.

3.0 REQUIREMENTS

Factors that may affect the ability to collect cross-channel samples include channel width, water depth, water velocity, channel bed stability and composition of the substrata. For successful completion of this procedure, a site must be safely accessible by sampling personnel access to the entire width of the stream channel must be possible. Ultra clean methods shall be followed for sampling activities.

3.1 Health and Safety

Stream substrata, or bed material, can be highly variable, even within a small stream section, and may pose a risk to those working in the stream. Large rocks with significant algal growth can be slick and those pose a fall risk. Rocks and sand can shift when weight is applied to them. Sharp rocks, sticks and artificial debris (broken bottles, metals, barbed wire) can puncture boots and skin. Before wading into a new area of the stream, examine the area visually, if possible, and use one foot to gently probe and stream bottom for suitable footing. If necessary, use a wading staff for stability.

PPE: Waders, nitrile or similar gloves.

Operational or safety issues associated with this procedure shall be reported to the on-site supervisor, AECI Project Manager, SH&E Coordinator, or their designees for resolution. Employees and contractors are required to stop work when they believe work conditions are unsafe.

4.0 REFERENCES

USGS. 1999. *National Field Manual for the Collection of Water-Quality Data, Chapter A4. Collection of Water Samples*.

USEPA. *Water: Monitoring and Assessment*. Chapter 5 Water Quality Conditions. (website)

USEPA. 1999. Rapid *Bioassessment Protocols for use in Wadeable Streams and Rivers*. EPA 841-B-99-002.

USEPA. 1996. *Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels.* EPA Method 1669. Office of Water, Engineering and Analysis Division, Washington, DC.
USGS. 1985. *Study and Interpretation of the Chemical Characteristics of Natural Water*. USGS Water Supply Paper 2254.

5.0 DEFINITIONS

Environmental Sample – Low concentration sample typically collected offsite and not requiring DOT hazardous waste labeling as a high hazard sample.

Clean Hands – All operations involving contact with the sample bottle and transfer of the sample from the sample collection device to the sample bottle are handled by the individual designated as "clean hands."

Dirty Hands – All operations involving preparation of the sampler (except the sample container itself), operation of any machinery and all other activities that do not involve direct contact with the sample, shall be performed by the individual designated as "dirty hands."

6.0 RESPONSIBILITIES

Project Manager

The Project Manager (PM) is responsible for the selection of the appropriate methodology, technique and field procedure for conducting the sampling.

Field Project Leader

The Field Project Leader (FPL) may be an AECI employee or contractor who is responsible for overseeing the sampling activities. The FPL is also responsible for making on-site decisions as to slight shifts in the cross-channel sampling location in order to ensure a safe working environment and that representative samples will be collected. The FPL provides oversight for all work performed and verification that the activity satisfies the requirements of this SOP and the Project Plan.

7.0 EQUIPMENT

1. Sampling bottles (certified clean and pre-treated with preservatives, if necessary)
2. Large (~2 L to 5 gallon) mixing bottles (e.g., a clean cubitainer)
3. Decontamination equipment and supplies
4. Nitrile gloves
5. Shoulder-length gloves
6. Peristaltic sump, clean tubing and 0.45 µm inline filters, or
7. 60 cc syringes and 0.45 µm syringe filters
8. Labels
9. Sharpies® or other indelible markers
10. 100-foot tape measure or rope with accurately-marked intervals
11. ≥ 3 foot rebar or wooden stakes
12. Orange plastic flagging
13. Hammer

8.0 PROCEDURE

8.1 General Procedures for Collection of Cross-Channel Water Samples

- Determine whether the multiple samples collected across the channel will be composited into a single sample, or analyzed independently. If the latter, then sufficient volume must be collected at each site for all analyses.
- Acquire the necessary number and type of sample containers for all samples. A "sample" (composite or multiple individual samples) will consist of five (5) bottles, including two 250-mL acidified (to ≤ 2 pH with nitric acid) high density polyethylene (HDPE) bottles (one non-filtered for total metals and hardness analysis, and one filtered (0.45 µm) for dissolved metals analysis), one 250-mL HPDE bottle with NaOH (for cyanide analysis), one 250-mL HDPE bottle (unpreserved) for salinity, and one 500-mL HDPE bottle (unpreserved) for the remaining inorganic analyses.
- Upon arrival at the site, one member of the sampling shall be designated as "dirty hands" and a second member shall be designated as "clean hands."
- The cross-channel samples shall follow the general USGS procedure of equal-width-increment (EWI) sampling. Each stream section to be sampled will be of approximately equal width.
- If samples are to be collected at multiple transects, begin work at the furthest downstream location.
- Select the sampling transect location. One person shall stand at the edge of one bank of the stream holding the tape or rope and a second person shall carry the end of the tape or rope across the stream. As much as possible, minimize disturbance of the stream bottom and limit the area of travel to a narrow corridor. Samples shall always be collected upstream of the disturbed area.
- With the tape or rope as taut as possible, secure the tape/rope to stakes on each bank.
- Determine the number of sampling compartments (sections). See Figure 1 of this SOP and follow this general guidance:
    - Small stream (≤25 ft in width): 4-6 compartments
    - Intermediate stream (>25 – 50 ft in width): 6-12 compartments
    - Large stream (>50 ft in width): ≥ 12 compartments
- Stream features should also be used in determining the number of compartments. IT may be appropriate to place different features (pools, runs, ripples, eddies) into separate compartments. A seemingly homogenous reach (e.g., a consistent run) will probably require fewer compartments.
- Using the hammer, drive a stake into the stream bed marking the center of the compartment. Tie an orange flag at the top of each stake to make them more visible.

8.2 Collection of Independent Samples in each Compartment

- One of the unpreserved sample bottles may be used to collect water from the stream at each staked location, or a separate container may be used. As 1500 mL are needed for all analyses, a 2 L collection bottle would be adequate for collecting the individual compartment samples (new bottle for each compartment).
- Don clean gloves. Nitrile gloves are acceptable, however, for deeper water wear clean, shoulder-length gloves.
- Approach the location from the downstream side. Once in position, wait approximately 30 seconds (or longer if needed) for any disturbed fine sediment to be carried downstream.

- At the midpoint of the compartment, where the stake is located, rinse the bottle three times with stream water. Just upstream of the stake, place the sampling bottle into the water, gently lowering it through the water column. The mouth of the bottle should be facing generally upstream, but the bottle should be angled upward at ~20-45° to allow air to escape as the bottle fills. Do not touch the bottom of the stream, as that may disturb sediment. Raise the bottle slowly back up through the water column. The bottle should be full when it is lifted from the water.
- Securely replace the bottle cap and hand the filled bottle to another staff member (or place it on a rock or other location where it will not be carried downstream). Each bottle should be appropriately marked with the correct compartment number.
- Go to the next compartment, again approaching from the downstream side, and repeat the collection process.
- Divide the sample into the appropriate preserved and unpreserved bottles (see Section 8.4 of this SOP).

8.3 Collection of a Composite Sample

- Before collecting samples for analysis, determine in which compartment a sample bottle will fill the fastest when lowered and raised through the water column (e.g., 1 minute, 30 seconds, etc.). This will be the Transit time. Use this same Transit time at all compartments, even if a bottle is not completely filled when brought back to the surface.
- As 1500 mL are needed for all analyses, a 1 L collection bottle should be adequate for collecting the individual compartment samples, which will be mixed as a composite sample before being subdivided for analyses. Use a new bottle for each compartment.
- Don clean gloves. Nitrile gloves are acceptable, however, for deeper water wear clean, shoulder-length gloves.
- Approach the location from the downstream side. Once in position, wait approximately 30 seconds (or longer if needed) for any disturbed fine sediment to be carried downstream.
- At the midpoint of the compartment, where the stake is located, rinse the bottle three times with stream water. Just upstream of the stake, gently lower and raise the sampling bottle into the water within the pre-determined Transit time. The mouth of the bottle should be facing generally upstream, but the bottle should be angled upward at ~20-45° to allow air to escape as the bottle fills. Do not touch the bottom of the stream, as that may disturb sediment. The bottle may not be completely full when it is lifted from the water.
- Securely replace the bottle cap and hand the filled bottle to another staff member (or place it on a rock or other location where it will not be carried downstream). Each bottle should be appropriately marked with the correct compartment number.
- Go to the next compartment, again approaching from the downstream side, and repeat the collection process.

- When all compartment samples have been collected, mix each by vigorously inverting them no less than three times, and immediately emptying them into the large mixing bottle. Make sure the mixing bottle is large enough to contain the water collected.
- Cap the mixing bottle and homogenize the composite sample by vigorously and repeatedly swirling and inverting the bottle for no less than one minute.
- Divide the sample into the appropriate preserved and unpreserved bottles (see Section 8.4 of this SOP). Some sample may remain in the mixing bottle.

8.4 Dividing a Sample to Individual Analyte Bottles

- Fill all containers, <u>except</u> the one for dissolved metals, with the raw water sample, either the individual compartment samples, or the composite.
- <u>Do not</u> overfill the bottles that already contain preservative.
- For the dissolved metals sample, filter 250 mL of the raw water sample using a 1) peristaltic pump equipped with new, disposable tubing and a new, 0.45 µm filter, or 2) new, 60 cc syringe and 0.45 µm filter syringes.
- If using a pump, tubing and filter, place the intake tube into the raw sample and the outlet tube into the 250 mL sample bottle with preservative. Activate the pump and filter enough water to fill the sample bottle, without overfilling.
- If using a syringe and syringe filters, draw approximately 60 cc of the raw water sample into the syringe <u>before</u> the filter is attached. Attach the filter and depress the plunger while holding the syringe filter outlet over the preserved sample bottle. It may be necessary to stop and replace the filter if the raw water contains a high level of solids.
- Make sure all sample bottles are securely capped and labeled.

9.0 DOCUMENTATION/VERIFICATION

A record of field activities, including the number and type of samples collected, shall be recorded on field data sheets or in a field log. The log shall be reviewed by the FPL to verify the accuracy of the data.
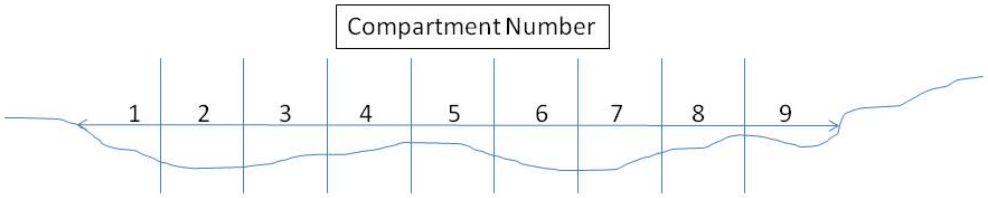
Figure 1. Example of the general placement of the cross-channel sampling compartments for the equal-width-increment (EWI) sampling procedure.