Data Validation Package

April 2010
Groundwater and Surface Water Sampling at the Salmon, Mississippi, Site

December 2010

U.S. DEPARTMENT OF ENERGY | Legacy Management

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Sampling Event Summary

Site: Salmon, Mississippi, Site

Sampling Period: April 20-22, 2010

The *Long-Term Surveillance and Maintenance Plan for the Salmon Site, Lamar County, Mississippi, Revision 1* (Draft), requires annual on-site groundwater monitoring from 28 locations to confirm that residual concentrations of organics, metals, and tritium attenuate as expected. Eleven surface water locations were also sampled to verify that discharge of shallow contaminated groundwater is not adversely affecting surface water leaving the site.

Sampling and analysis was conducted as specified in the *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites*. Duplicate samples were collected from locations HM–S and HickHCrTSD–East. One trip blank was collected during this sampling event.

This report includes data for metals and volatile organic compounds analyzed by ALS Laboratory Group under requisition index number (RIN) 10042969, and for tritium and gamma-emitting nuclide analyses by the Environmental Protection Agency's (EPA) Radiation and Indoor Environments National Laboratory (Las Vegas, Nevada) under RIN 10042970.

Concentrations of contaminants of concern exceeding respective standards, the drinking water maximum contaminant level (MCL), are provided in Table 1. On-site sample locations are shown on Page 2. All concentrations are expressed in milligrams per liter (mg/L).

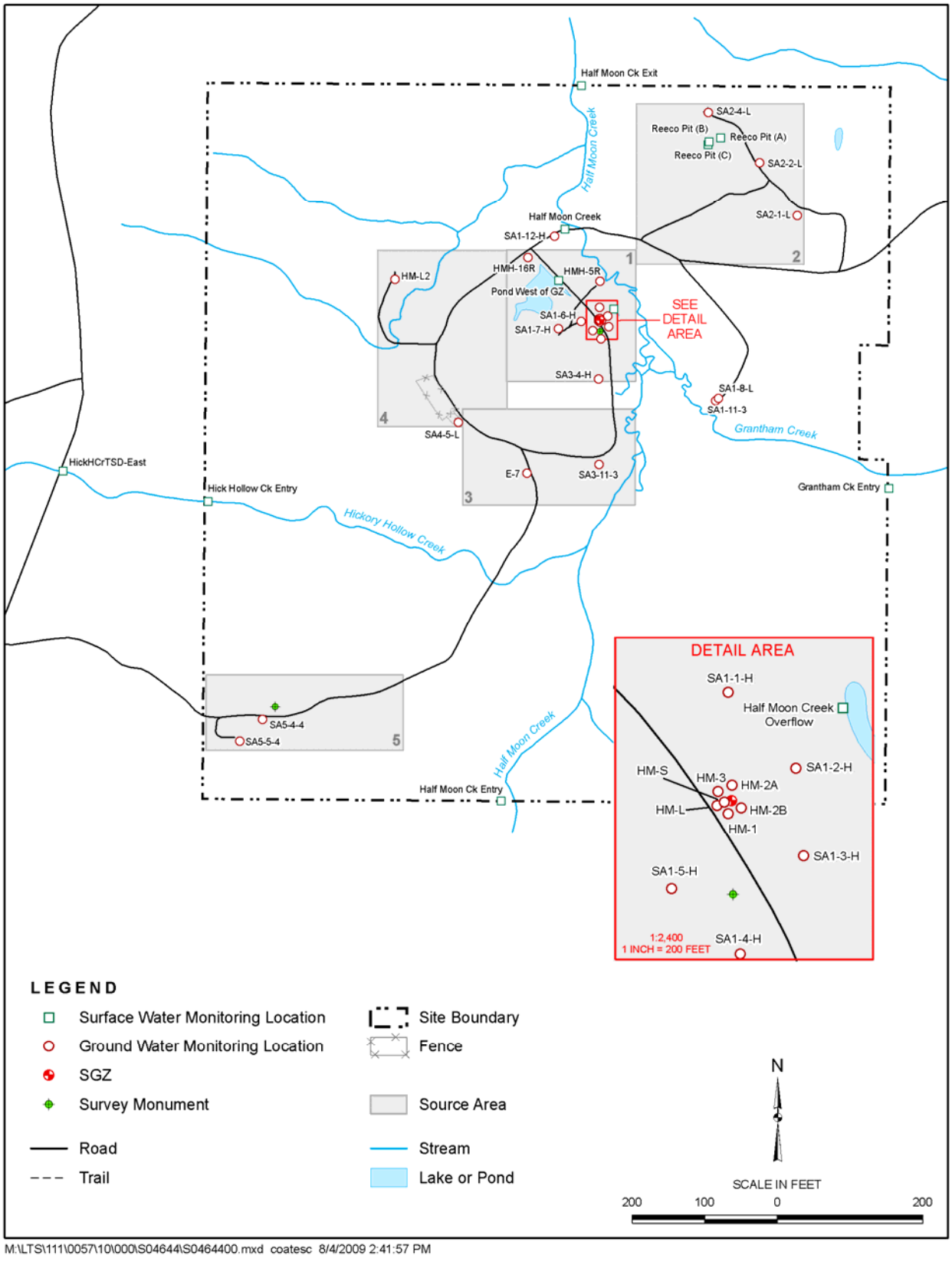
Table 1. Analytical Results Exceeding MCL for Sampled Wells

Analyte	MCL (mg/L)	Location	Result (mg/L)
Arsenic	0.010	SA1-3-H	0.023
Arsenic	0.010	SA1-7-H	0.011
Barium	2.000	SA4-5-L	2.600
Chromium	0.100	HM-3	0.120
Trichloroethene	0.005	HMH-5R	0.091
Vinyl Chloride	0.002	SA1-2-H	0.0022

Time-concentration graphs are included for tritium concentrations in on-site groundwater monitoring wells. In wells where tritium is detectable, the tritium concentration is generally trending downward due to dilution and radioactive decay.

Jack Duray
Jack Duray
Site Lead, S.M. Stoller Corporation

10 December 2010
Date



Water Sampling Locations at the Salmon, Mississippi, Site

Data Assessment Summary

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Water Sampling Field Activities Verification Checklist

Project	Salmon, Mississippi	**Date(s) of Water Sampling**	April 20-22, 2010
Date(s) of Verification	October 27, 2010	**Name of Verifier**	Steve Donivan

	Response (Yes, No, NA)	Comments
1. Is the SAP the primary document directing field procedures?	Yes	
List other documents, SOPs, instructions.		Work Order Letter dated March 25, 2010.
2. Were the sampling locations specified in the planning documents sampled?	Yes	
3. Was a pre-trip calibration conducted as specified in the above-named documents?	Yes	Pre-trip calibration was performed on April 13, 2010.
4. Was an operational check of the field equipment conducted daily?	Yes	Six operation checks were performed between April 20 and April 22, 2010.
Did the operational checks meet criteria?	Yes	
5. Were the number and types (alkalinity, temperature, specific conductance, pH, turbidity, DO, ORP) of field measurements taken as specified?	Yes	
6. Was the category of the well documented?	Yes	
7. Were the following conditions met when purging a Category I well:		
Was one pump/tubing volume purged prior to sampling?	Yes	
Did the water level stabilize prior to sampling?	Yes	
Did pH, specific conductance, and turbidity measurements stabilize prior to sampling?	Yes	As specified in the Salmon Site program directive.
Was the flow rate less than 500 mL/min?	Yes	
If a portable pump was used, was there a 4-hour delay between pump installation and sampling?	NA	

Water Sampling Field Activities Verification Checklist (continued)

	Response (Yes, No, NA)	Comments
8. Were the following conditions met when purging a Category II well:		
Was the flow rate less than 500 mL/min?	Yes	
Was one pump/tubing volume removed prior to sampling?	Yes	
9. Were duplicates taken at a frequency of one per 20 samples?	Yes	Duplicate samples were collected from location HM–S and HickHCrTSD–East
10. Were equipment blanks taken at a frequency of one per 20 samples that were collected with non-dedicated equipment?	NA	Dedicated equipment was used for all sample collection.
11. Were trip blanks prepared and included with each shipment of VOC samples?	Yes	One trip blank was prepared.
12. Were QC samples assigned a fictitious site identification number?	Yes	
Was the true identity of the samples recorded on the Quality Assurance Sample Log or in the Field Data Collection System (FDCS) report?	Yes	
13. Were samples collected in the containers specified?	Yes	
14. Were samples filtered and preserved as specified?	Yes	
15. Were the number and types of samples collected as specified?	Yes	
16. Were chain of custody records completed and was sample custody maintained?	Yes	
17. Are field data sheets signed and dated by both team members (hardcopies) or are dates present for the “Date Signed” fields (FDCS)?	Yes	
18. Was all other pertinent information documented on the field data sheets?	Yes	
19. Was the presence or absence of ice in the cooler documented at every sample location?	Yes	
20. Were water levels measured at the locations specified in the planning documents?	Yes	

Laboratory Performance Assessment

General Information

Report Number (RIN): 10042969
Sample Event: April 20-22, 2010
Site(s): Salmon, Mississippi
Laboratory: ALS Laboratory Group, Fort Collins, Colorado
Work Order No.: 1004242
Analysis: Metals and Organics
Validator: Steve Donivan
Review Date: July 14, 2010

This validation was performed according to the *Environmental Procedures Catalog* (LMS/PRO/S04325, continually updated), "Standard Practice for Validation of Laboratory Data." The procedure was applied at Level 3, Data Validation. See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 2.

Table 2. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Metals: Ag, Ba, Be, Cr, Hg, Ni, Zn	LMM-01	SW-846 3005	SW-846 6010B, 7470A
Metals: As, Sb, Cd, Pb, Se	LMM-02	SW-846 3005	SW-846 6020
Volatile Organics, VOAs	LMV-05	SW-846 5030C	SW-846 8260B

Data Qualifier Summary

Analytical results were qualified as listed in Table 3. Refer to the sections below for an explanation of the data qualifiers applied.

Table 3. Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
1004242-2	HM-S duplicate	Mercury	U	Less than 5 times the calibration blank
1004242-8	HALFMOON CREEK	Zinc	J	Negative calibration blank
1004242-9	HALFMOONCRKOVERFLOW	Beryllium	U	Less than 5 times the calibration blank
1004242-10	Hick Hollow Ck Entry	Zinc	J	Negative calibration blank
1004242-11	HickHCrTSD-East	Zinc	J	Negative calibration blank
1004242-13	HMH-16R	Lead	U	Less than 5 times the method blank
1004242-15	HM-L	Lead	U	Less than 5 times the method blank
1004242-17	HM-S	Beryllium	U	Less than 5 times the calibration blank
1004242-17	HM-S	Chromium	U	Less than 5 times the calibration blank
1004242-18	Pond West of GZ	Beryllium	U	Less than 5 times the calibration blank
1004242-18	Pond West of GZ	Chromium	U	Less than 5 times the calibration blank

Table 3 (continued). Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
1004242-19	Reeco Pit (A)	Beryllium	U	Less than 5 times the calibration blank
1004242-19	Reeco Pit (A)	Chromium	U	Less than 5 times the calibration blank
1004242-20	Reeco Pit (B)	Beryllium	U	Less than 5 times the calibration blank
1004242-20	Reeco Pit (B)	Chromium	U	Less than 5 times the calibration blank
1004242-21	Reeco Pit (C)	Beryllium	U	Less than 5 times the calibration blank
1004242-21	Reeco Pit (C)	Chromium	U	Less than 5 times the calibration blank
1004242-22	SA1-12-H	Beryllium	U	Less than 5 times the calibration blank
1004242-22	SA1-12-H	Chromium	U	Less than 5 times the calibration blank
1004242-22	SA1-12-H	Lead	U	Less than 5 times the method blank
1004242-23	SA1-1-H	Beryllium	U	Less than 5 times the calibration blank
1004242-23	SA1-1-H	Zinc	J	Negative calibration blank
1004242-24	SA1-2-H	Beryllium	U	Less than 5 times the method blank
1004242-25	SA1-3-H	Beryllium	U	Less than 5 times the method blank
1004242-25	SA1-3-H	Chromium	U	Less than 5 times the method blank
1004242-26	SA1-4-H	Beryllium	U	Less than 5 times the method blank
1004242-26	SA1-4-H	Lead	U	Less than 5 times the method blank
1004242-26	SA1-4-H	Zinc	J	Negative calibration blank
1004242-27	SA1-5-H	Beryllium	U	Less than 5 times the method blank
1004242-27	SA1-5-H	Lead	U	Less than 5 times the method blank
1004242-27	SA1-5-H	Zinc	J	Negative calibration blank
1004242-28	SA1-6-H	Beryllium	U	Less than 5 times the method blank
1004242-28	SA1-6-H	Zinc	J	Negative calibration blank
1004242-29	SA1-7-H	Beryllium	U	Less than 5 times the method blank
1004242-29	SA1-7-H	Lead	U	Less than 5 times the method blank
1004242-29	SA1-7-H	Zinc	J	Negative calibration blank
1004242-30	SA1-8-L	Beryllium	U	Less than 5 times the method blank
1004242-30	SA1-8-L	Lead	U	Less than 5 times the method blank
1004242-31	SA2-1-L	Zinc	J	Negative calibration blank
1004242-32	SA2-2-L	Beryllium	U	Less than 5 times the method blank
1004242-33	SA2-4-L	Zinc	J	Negative calibration blank
1004242-34	SA3-4-H	Beryllium	U	Less than 5 times the method blank
1004242-34	SA3-4-H	Lead	U	Less than 5 times the method blank
1004242-35	SA4-5-L	Beryllium	U	Less than 5 times the method blank

Sample Shipping/Receiving

ALS Laboratory Group in Fort Collins, Colorado, received 35 water samples on April 24, 2010, accompanied by Chain of Custody (COC) forms. The COC forms were checked to confirm that all of the samples were listed on the forms with sample collection dates and times, and signatures and dates were present indicating sample relinquishment and receipt. The COC form was complete with no errors or omissions.

Preservation and Holding Times

The sample shipments were received cool and intact with the temperature within the iced cooler at 0.6 °C, which complies with requirements. All samples were received in the correct container types and had been preserved correctly for the requested analyses. All sample analyses were performed within the applicable holding times.

Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods. All calibration and laboratory spike standards were prepared from independent sources.

Method SW-846 6010B
Calibrations for method 6010B metals were performed on May 6 and May 13, 2010, using one calibration standard and a blank. Calibration and laboratory spike standards were prepared from independent sources. Continuing calibration verification checks were made at the required frequency resulting in 33 checks. All calibration checks met the acceptance criteria. A reporting limit verification check was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The verification checks were within the acceptance criteria range.

Method SW-846 6020A
Calibrations for antimony, arsenic, cadmium, lead, and selenium were performed on May 12, 2010. The initial calibrations were performed using four calibration standards resulting in calibration curves where the absolute value of the curve intercepts were less than 3 times the method detection limit (MDL). Calibration and laboratory spike standards were prepared from independent sources. Initial and continuing calibration verification checks were made at the required frequency resulting in 10 calibration checks. All initial and continuing calibration verification results were within the acceptance range. Reporting limit verification checks were made at the required frequency to verify the linearity of the calibration curves near the practical quantitation limit. The check results were within the acceptance range. The mass calibration and resolution was checked at the beginning of each analytical run in accordance with the procedure. Internal standard recoveries were stable and within acceptance ranges.

Method SW-846 7470A
Calibration for mercury was performed on May 17, 2010, using five calibration standards and a blank. Calibration and laboratory spike standards were prepared from independent sources. Initial and continuing calibration verification checks were made at the required frequency resulting in 8 calibration checks. All calibration checks met the acceptance criteria. A reporting limit verification check (CRI) was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The verification checks were within the acceptance criteria range.

Method SW-846 8260B, Volatile Organics
Initial calibrations were performed on March 3, 2010, using nine calibration standards. Calibration curves are established using linear regression, quadratic regression, or the average response factor approach. Calibrations using average response factors had percent relative deviation values of less than 15 percent. Linear or higher order regression calibrations had correlation coefficient (r^2) values greater than 0.99 and intercepts less than 3 times the method detection limit. Initial and continuing calibration verification checks were made at the required frequency. There were no target compounds with a percent drift value greater than 20 percent. The mass spectrometer calibration and resolution was checked at the beginning of each analytical run in accordance with the procedure.

VOA Internal Standard and Surrogate Recoveries

Laboratory performance for individual samples is evaluated by means of surrogate spikes. All samples are spiked with surrogate compounds prior to sample preparation. Surrogate recoveries are used to monitor factors such as interference and high concentrations of analytes. Surrogate recoveries may also be influenced by the success in recoveries of the internal standards. The internal standard and surrogate recoveries were within the acceptance ranges for all samples.

Method and Calibration Blanks

Method blanks are analyzed to assess any contamination that may have occurred during sample preparation. Calibration blanks are analyzed to assess instrument contamination prior to and during sample analysis. All method blank and initial and continuing calibration blank results associated with the samples were below the practical quantitation limits for all analytes. In cases where blank concentration exceeds the instrument detection limit, the associated sample results are qualified with a "U" flag (not detected) when the sample result is greater than the method detection limit but less than 5 times the blank concentration. For barium and zinc some blank results were negative and the absolute values were greater than the MDL. All associated barium and zinc sample results that were less than 5 times the MDL are flagged with a "J" as estimated values.

Trip Blank

Trip blanks are prepared and analyzed to document contamination attributable to shipping and field handling procedures. One trip blank was submitted with these samples. There were no target compounds detected in this trip blank.

Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Analysis

ICP interference check samples ICSA and ICSAB were analyzed at the required frequency to verify the instrumental interelement and background correction factors. All check sample results met the acceptance criteria.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate samples were analyzed for metals as a measure of method performance in the sample matrix. All spike results were within the acceptance range

with the following exception. The selenium matrix spike duplicate recovery for sample 0904158-5 did not meet the acceptance criteria. Selenium was not detected at a concentration greater than 5 times the method blank in the associated sample.

Laboratory Replicate Analysis

The laboratory replicate sample results demonstrate acceptable laboratory precision. The relative percent difference values for the laboratory control sample replicates and matrix spike replicates were less than 20 percent for results that are greater than 5 times the practical quantitation limit demonstrating acceptable precision.

Laboratory Control Sample

Laboratory control samples were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The laboratory control sample results were acceptable for all analytes with the exception of *trans*-1,3-dichloropropene and vinyl acetate. These compounds were not detected in any of the samples.

Metals Serial Dilution

Serial dilutions were prepared and analyzed for metals to monitor chemical or physical interferences in the sample matrix. The serial dilution data that were evaluated when the concentration of the undiluted sample was greater than 50 times the practical quantitation limit were acceptable.

Detection Limits/Dilutions

The required detection limits were met for all analytes.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Chromatography Peak Integration

The integration of analyte peaks was reviewed for all volatile organics data. All peak integrations, including manual integrations, were satisfactory.

Electronic Data Deliverable (EDD) File

The EDD file with the complete data arrived on May 25, 2010. The Sample Management System EDD validation module was used to verify that the EDD files were complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

SAMPLE MANAGEMENT SYSTEM

General Data Validation Report

RIN: 10042969 **Lab Code:** PAR **Validator:** Steve Donivan **Validation Date:** 7/14/2010

Project: Salmon LTS&M **Analysis Type:** ☑ Metals ☐ General Chem ☐ Rad ☑ Organics

# of Samples: 35 **Matrix:** WATER **Requested Analysis Completed:** Yes

Chain of Custody

Present: OK **Signed:** OK **Dated:** OK

Sample

Integrity: OK **Preservation:** OK **Temperature:** OK

Select Quality Parameters

☑ Holding Times	All analyses were completed within the applicable holding times.
☑ Detection Limits	There are 0 detection limit failures.
☑ Field/Trip Blanks	There was 1 trip/equipment blank evaluated.
☑ Field Duplicates	There were 2 duplicates evaluated.

SAMPLE MANAGEMENT SYSTEM

Metals Data Validation Worksheet

RIN: 10042969 **Lab Code:** PAR **Date Due:** 5/22/2010

Matrix: Water **Site Code:** SAL01 **Date Completed:** 5/26/2010

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	Dup. RPD	ICSAB %R	Serial Dil. %R	CRI %R
		Int.	R^2	ICV	CCV	ICB	CCB								
ANTIMONY	05/12/2010	0.0000	1.0000	OK	OK	OK	OK	OK		98.0	96.0	3.0	102.0		97.0
ANTIMONY	05/13/2010	0.0000	1.0000	OK	OK	OK	OK	OK	96.0	97.0			100.0		90.0
ANTIMONY	05/13/2010								95.0	97.0					90.0
ARSENIC	05/12/2010	0.0000	1.0000	OK	OK	OK	OK	OK		99.0	99.0	0.0	103.0	2.0	101.0
ARSENIC	05/13/2010	0.0000	1.0000	OK	OK	OK	OK	OK	101.0	104.0			103.0		102.0
ARSENIC	05/13/2010								101.0	105.0					98.0
BARIUM	05/06/2010			OK	OK	OK	OK	OK	99.0	99.0	99.0	0.0	101.0	5.0	106.0
BARIUM	05/06/2010							OK	99.0	99.0	100.0	0.0	100.0	1.0	106.0
BARIUM	05/13/2010			OK	OK	OK	OK			97.0	93.0	4.0	98.0	5.0	101.0
BERYLLIUM	05/06/2010			OK	OK	OK	OK	OK	107.0	108.0	109.0	1.0	96.0		104.0
BERYLLIUM	05/06/2010							OK	111.0	107.0	108.0	1.0	96.0		103.0
BERYLLIUM	05/13/2010			OK	OK	OK	OK			105.0	102.0	2.0	96.0		100.0
CADMIUM	05/12/2010	0.0000	1.0000	OK	OK	OK	OK	OK		104.0	104.0	0.0	101.0		100.0
CADMIUM	05/13/2010	0.0000	1.0000	OK	OK	OK	OK	OK	99.0	98.0			95.0		100.0
CADMIUM	05/13/2010								101.0	98.0					73.0
CHROMIUM	05/06/2010			OK	OK	OK	OK	OK	105.0	103.0	103.0	0.0	99.0		110.0
CHROMIUM	05/06/2010							OK	105.0	103.0	104.0	1.0	99.0		110.0
CHROMIUM	05/13/2010			OK	OK	OK	OK			99.0	96.0	3.0	98.0		105.0

SAMPLE MANAGEMENT SYSTEM

Metals Data Validation Worksheet

RIN: 10042969 **Lab Code:** PAR **Date Due:** 5/22/2010

Matrix: Water **Site Code:** SAL01 **Date Completed:** 5/26/2010

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	Dup. RPD	ICSAB %R	Serial Dil. %R	CRI %R
		Int.	R^2	ICV	CCV	ICB	CCB								
LEAD	05/12/2010	0.0000	1.0000	OK	OK	OK	OK	OK		102.0	103.0	1.0	104.0		100.0
LEAD	05/13/2010	0.0000	1.0000	OK	OK	OK	OK	OK	99.0	99.0			104.0		101.0
LEAD	05/13/2010								97.0	101.0					104.0
MERCURY	05/17/2010	0.0000	1.0000	OK	OK	OK	OK	OK	91.0	99.0	99.0	1.0			98.0
MERCURY	05/17/2010							OK	97.0	99.0	99.0	0.0			103.0
NICKEL	05/06/2010			OK	OK	OK	OK	OK	107.0	109.0	109.0	0.0	100.0		110.0
NICKEL	05/06/2010							OK	109.0	106.0	107.0	1.0	98.0		108.0
NICKEL	05/13/2010			OK	OK	OK	OK			103.0	100.0	3.0	96.0		104.0
SELENIUM	05/12/2010	0.0000	1.0000	OK	OK	OK	OK	OK		102.0	99.0	3.0	102.0		107.0
SELENIUM	05/13/2010	0.0000	1.0000	OK	OK	OK	OK	OK	106.0	111.0			102.0		122.0
SELENIUM	05/13/2010								111.0	108.0					124.0
SILVER	05/06/2010			OK	OK	OK	OK	OK	102.0	102.0	103.0	1.0	105.0		103.0
SILVER	05/06/2010							OK	103.0	101.0	101.0	1.0	104.0		101.0
SILVER	05/13/2010			OK	OK	OK	OK			107.0	108.0	1.0	104.0		98.0
ZINC	05/06/2010			OK	OK	OK	OK	OK	100.0	98.0	99.0	1.0	93.0		103.0
ZINC	05/06/2010							OK	102.0	97.0	99.0	2.0	94.0		102.0
ZINC	05/13/2010			OK	OK	OK	OK			102.0	100.0	2.0	94.0		100.0

SAMPLE MANAGEMENT SYSTEM
Organics Data Validation Summary

RIN: 10042969 **Project:** Salmon LTS&M **Lab Code:** PAR **Validation Date:** 10/27/2010

LCS Recovery: All LCS recoveries were within the laboratory acceptance limits.

Method Blank(s): All method blanks results were below the method detection limit.

MS/MSD Recovery: All MS/MSD recoveries were within the laboratory acceptance limits.

Surrogate Recovery: All surrogate recoveries were within the laboratory acceptance limits.

General Information

Requisition No. (RIN):	10042970
Sample Event:	April 20-22, 2010
Site(s):	Salmon, Mississippi
Laboratory:	Radiation and Indoor Environments National Laboratory Las Vegas, NV
Analysis:	Radiochemistry
Validator:	Steve Donivan
Review Date:	October 14, 2010

This validation was performed according to the *Environmental Procedures Catalog* (LMS/PRO/S04325), "Standard Practice for Validation of Laboratory Data." The procedure was applied at Level 1, Data Deliverables Examination. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 4.

Table 4. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Gamma Spectrometry	GAM-A-001	RQA-302	RQA-302
Tritium	LSC-A-001	RQA-604	RQA-604
Tritium (enriched)	LMR-15	RQA-602	RQA-602

Data Qualifier Summary

Analytical results were qualified as listed in Table 5. Refer to the sections below for an explanation of the data qualifiers applied.

Table 5. Data Qualifier Summary

Sample	Location	Analyte	Flag	Reason
735430	E-7	Tritium	U	Less than the Decision Level Concentration
735430	E-7	Tritium, enriched	U	Less than the Decision Level Concentration
735431	Halfmoon Creek	Tritium	U	Less than the Decision Level Concentration
735432	Halfmooncrkoverflow	Tritium	U	Less than the Decision Level Concentration
735433	HM-S	Potassium-40	U	Less than the Decision Level Concentration
735433	HM-S	Tritium	J	Less than the Determination Limit
735434	HM-1	Tritium	U	Less than the Decision Level Concentration
735434	HM-1	Tritium, enriched	J	Less than the Determination Limit
735436	HM-2A	Tritium	U	Less than the Decision Level Concentration
735437	HM-2B	Tritium	U	Less than the Decision Level Concentration
735438	HM-3	Tritium	U	Less than the Decision Level Concentration
735438	HM-3	Tritium, enriched	U	Less than the Decision Level Concentration
735439	Reeco Pit (A)	Tritium	U	Less than the Decision Level Concentration
735440	Reeco Pit (B)	Tritium	U	Less than the Decision Level Concentration
735441	Reeco Pit (C)	Tritium	U	Less than the Decision Level Concentration
735442	HM-L2	Potassium-40	U	Less than the Decision Level Concentration

Table 5 (continued). Data Qualifier Summary

Sample	Location	Analyte	Flag	Reason
735442	HM-L2	Tritium	U	Less than the Decision Level Concentration
735446	Half Moon Ck Exit	Tritium	U	Less than the Decision Level Concentration
735448	HMH-16R	Tritium	U	Less than the Decision Level Concentration
735449	Grantham Ck Entry	Tritium	U	Less than the Decision Level Concentration
735450	Pond West of GZ	Tritium	U	Less than the Decision Level Concentration
735451	HickHCrTSD-East	Tritium	U	Less than the Decision Level Concentration
735454	SA1-3-H	Tritium	J	Less than the Determination Limit
735455	SA1-4-H	Tritium	U	Less than the Decision Level Concentration
735456	SA1-5-H	Tritium	J	Less than the Determination Limit
735457	SA1-6-H	Tritium, enriched	J	Less than the Determination Limit
735457	SA1-6-H	Tritium	U	Less than the Decision Level Concentration
735458	SA1-7-H	Tritium	U	Less than the Decision Level Concentration
735459	SA3-4-H	Tritium	J	Less than the Determination Limit
735460	SA1-11-3	Tritium	U	Less than the Decision Level Concentration
735461	SA1-8-L	Potassium-40	U	Less than the Decision Level Concentration
735461	SA1-8-L	Tritium	U	Less than the Decision Level Concentration
735462	SA1-12-H	Tritium, enriched	U	Less than the Decision Level Concentration
735462	SA1-12-H	Tritium	U	Less than the Decision Level Concentration
735463	SA4-5-L	Tritium, enriched	U	Less than the Decision Level Concentration
735463	SA4-5-L	Tritium	U	Less than the Decision Level Concentration
735464	SA1-11-3	Tritium	U	Less than the Decision Level Concentration
735465	HM-S Duplicate	Tritium	J	Less than the Determination Limit
735466	Hick Hollow Ck Entry	Tritium	U	Less than the Decision Level Concentration
735467	SA2-1-L	Tritium	U	Less than the Decision Level Concentration
735468	SA2-2-L	Tritium	U	Less than the Decision Level Concentration
735469	SA2-4-L	Potassium-40	U	Less than the Decision Level Concentration
735469	SA2-4-L	Lead-212	U	Less than the Decision Level Concentration
735469	SA2-4-L	Tritium	U	Less than the Decision Level Concentration
735470	SA3-11-3	Potassium-40	U	Less than the Decision Level Concentration
735470	SA3-11-3	Tritium	U	Less than the Decision Level Concentration
735471	SA5-4-4	Tritium	U	Less than the Decision Level Concentration
735472	HickHCrTSD–East Dup	Tritium	U	Less than the Decision Level Concentration
735473	Half Moon Ck Entry	Tritium	U	Less than the Decision Level Concentration

Sample Shipping/Receiving

The Radiation and Indoor Environments National Laboratory in Las Vegas, Nevada, received 41 water samples on May 3, 2010, submitted for the determination of gamma emitting nuclides, tritium, and tritium (enrichment method). The analytical report was checked to confirm that all of the samples scheduled were received and analyzed.

Preservation and Holding Times

The sample shipment was received intact with all samples in the correct container types preserved correctly for the requested analyses. All samples were analyzed within the applicable holding times.

Laboratory Instrument Calibration

Data for this RIN were reported at Analysis Service Level B, results only, and do not include calibration data.

Radiochemical Analysis

Radiochemical results are qualified with a "J" flag (estimated) when the result is greater than the minimum detectable concentration (MDC), but less than Determination Limit (3 times the MDC). Radiochemical results are qualified with a "U" flag (not detected) when the result is greater than the MDC, but less than the Decision Level Concentration estimated as the two sigma total propagated uncertainty.

Completeness

The electronic data deliverable was the only deliverable received for this RIN.

Electronic Data Deliverable (EDD) File

The EDD file arrived on September 8, 2010. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered.

Sampling Quality Control Assessment

The following information summarizes and assesses quality control for this sampling event.

Sampling Protocol

Groundwater samples were collected using dedicated bladder pumps or dedicated submersible Grundfos electric pumps. Data from wells classified as Category I or Category II are qualified with an "F" flag in the database indicating the wells were purged and sampled using the low-flow sampling method. The data from wells SA2-2-L and SA4-5-L were further qualified with a "Q" flag as estimated values because these wells were classified as a Category II wells.

Equipment Blank Assessment

Equipment blanks are prepared and analyzed to document contamination attributable to the sample collection process. An equipment blank was not collected during this sampling event because dedicated equipment was used for the collection of all samples.

Trip Blank

Trip blanks are prepared and analyzed to document contamination attributable to shipping and field handling procedures. One trip blank was submitted with these samples. There were no target compounds detected in this trip blank.

Field Duplicate Assessment

Field duplicate samples are collected and analyzed as an indication of overall precision of the measurement process. The precision observed includes both field and laboratory precision and has more variability than laboratory duplicates, which measure only laboratory performance. The relative percent difference for duplicate results that are greater than 5 times the practical quantitation limit (PQL) should be less than 20 percent. For results less than 5 times the PQL, the range should be no greater than the PQL. Duplicate samples were collected from locations HM-S and HickHCrTSD-East. The duplicate results met these criteria, demonstrating acceptable overall precision.

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 10042969 **Lab Code:** PAR **Project:** Salmon LTS&M **Validation Date:** 7/14/2010

Duplicate: 2594 **Sample:** HM-S

Analyte	Sample Result	Sample Flag	Sample Error	Sample Dilution	Duplicate Result	Duplicate Flag	Duplicate Error	Duplicate Dilution	RPD	RER	Units
1,1,1,2-TETRACHLOROETHANE	0.17	U		1	0.17	U		1			UG/L
1,1,1-TRICHLOROETHANE	0.17	U		1	0.17	U		1			UG/L
1,1,2,2-TETRACHLOROETHANE	0.17	U		1	0.17	U		1			UG/L
1,1,2-TRICHLORO-1,2,2-TRIFLUOROET	0.17	U		1	0.17	U		1			UG/L
1,1,2-TRICHLOROETHANE	0.17	U		1	0.17	U		1			UG/L
1,1-DICHLOROETHANE	0.17	U		1	0.17	U		1			UG/L
1,1-DICHLOROETHENE	0.17	U		1	0.17	U		1			UG/L
1,1-DICHLOROPROPENE	0.17	U		1	0.17	U		1			UG/L
1,2,3-TRICHLOROBENZENE	0.17	U		1	0.17	U		1			UG/L
1,2,3-TRICHLOROPROPANE	0.17	U		1	0.17	U		1			UG/L
1,2,4-TRICHLOROBENZENE	0.17	U		1	0.17	U		1			UG/L
1,2,4-TRIMETHYLBENZENE	0.17	U		1	0.17	U		1			UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.67	U		1	0.67	U		1			UG/L
1,2-DIBROMOETHANE	0.17	U		1	0.17	U		1			UG/L
1,2-DICHLOROBENZENE	0.17	U		1	0.17	U		1			UG/L
1,2-DICHLOROETHANE	0.17	U		1	0.17	U		1			UG/L
1,2-DICHLOROPROPANE	0.17	U		1	0.17	U		1			UG/L
1,3,5-TRIMETHYLBENZENE	0.17	U		1	0.17	U		1			UG/L
1,3-DICHLOROBENZENE	0.17	U		1	0.17	U		1			UG/L
1,3-DICHLOROPROPANE	0.17	U		1	0.17	U		1			UG/L
1,4-DICHLOROBENZENE	0.17	U		1	0.17	U		1			UG/L
1-CHLOROHEXANE	0.17	U		1	0.17	U		1			UG/L
2,2-DICHLOROPROPANE	0.17	U		1	0.17	U		1			UG/L
2-BUTANONE	1.7	U		1	1.7	U		1			UG/L
2-CHLOROTOLUENE	0.17	U		1	0.17	U		1			UG/L
2-HEXANONE	1.7	U		1	1.7	U		1			UG/L
4-CHLOROTOLUENE	0.17	U		1	0.17	U		1			UG/L
4-METHYL-2-PENTANONE	1.7	U		1	1.7	U		1			UG/L
ACETONE	3.3	U		1	3.3	U		1			UG/L
ANTIMONY	0.012	U		1	0.024	B		1			UG/L
ARSENIC	0.11			1	0.12			1	8.70		UG/L
BARIUM	32			1	32			1	0		UG/L
BENZENE	0.17	U		1	0.17	J		1			UG/L
BERYLLIUM	0.28	B		1	0.2	B		1			UG/L
BROMOBENZENE	0.17	U		1	0.17	U		1			UG/L
BROMOCHLOROMETHANE	0.17	U		1	0.17	U		1			UG/L
BROMODICHLOROMETHANE	0.17	U		1	0.17	U		1			UG/L
BROMOFORM	0.17	U		1	0.17	U		1			UG/L
BROMOMETHANE	0.17	U		1	0.17	U		1			UG/L
CADMIUM	0.022	B		1	0.033			1			UG/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 10042969 **Lab Code:** PAR **Project:** Salmon LTS&M **Validation Date:** 7/14/2010

Duplicate: 2594 **Sample:** HM-S

Analyte	Sample				Duplicate				RPD	RER	Units
	Result	Flag	Error	Dilution	Result	Flag	Error	Dilution			
CARBON DISULFIDE	0.17	U		1	0.17	U		1			UG/L
CARBON TETRACHLORIDE	0.17	U		1	0.17	U		1			UG/L
CHLOROBENZENE	0.17	U		1	0.17	U		1			UG/L
Chlorodibromomethane	0.17	U		1	0.17	U		1			UG/L
CHLOROETHANE	0.17	U		1	0.17	U		1			UG/L
CHLOROFORM	0.17	U		1	0.17	U		1			UG/L
CHLOROMETHANE	0.17	U		1	0.17	U		1			UG/L
CHROMIUM	0.6	B		1	0.51	U		1			UG/L
CIS-1,2-DICHLOROETHENE	3.3			1	3.4			1	2.99		UG/L
CIS-1,3-DICHLOROPROPENE	0.17	U		1	0.17	U		1			UG/L
DIBROMOMETHANE	0.17	U		1	0.17	U		1			UG/L
DICHLORODIFLUOROMETHANE	0.17	U		1	0.17	U		1			UG/L
Ethyl Benzene	0.17	U		1	0.17	U		1			UG/L
HEXACHLOROBUTADIENE	0.17	U		1	0.17	U		1			UG/L
IODOMETHANE	0.17	U		1	0.17	U		1			UG/L
ISOPROPYLBENZENE	0.17	U		1	0.17	U		1			UG/L
LEAD	0.072			1	0.12			1	50.00		UG/L
M+P-XYLENE	0.17	U		1	0.17	U		1			UG/L
MERCURY	0.01	B		1	0.028	B		1			UG/L
METHYL TERTIARY BUTYL ETHER	0.17	U		1	0.17	U		1			UG/L
METHYLENE CHLORIDE	0.17	U		1	0.17	U		1			UG/L
NAPHTHALENE	0.17	U		1	0.17	U		1			UG/L
N-BUTYLBENZENE	0.17	U		1	0.17	U		1			UG/L
NICKEL	0.93	U		1	0.93	U		1			UG/L
N-PROPYLBENZENE	0.17	U		1	0.17	U		1			UG/L
O-XYLENE	0.17	U		1	0.17	U		1			UG/L
P-ISOPROPYLTOLUENE	0.17	U		1	0.17	U		1			UG/L
SEC-BUTYLBENZENE	0.17	U		1	0.17	U		1			UG/L
SELENIUM	0.075	B		1	0.087	B		1			UG/L
SILVER	1.1	U		1	1.1	U		1			UG/L
STYRENE	0.17	U		1	0.17	U		1			UG/L
TERT-BUTYLBENZENE	0.17	U		1	0.17	U		1			UG/L
TETRACHLOROETHENE	0.17	U		1	0.17	U		1			UG/L
TOLUENE	0.17	U		1	0.17	U		1			UG/L
TRANS-1,2-DICHLOROETHENE	0.31	J		1	0.29	J		1			UG/L
TRANS-1,3-DICHLOROPROPENE	0.17	U		1	0.17	U		1			UG/L
TRICHLOROETHENE	1.5			1	1.6			1	6.45		UG/L
TRICHLOROFLUOROMETHANE	0.17	U		1	0.17	U		1			UG/L
VINYL ACETATE	0.67	U		1	0.67	U		1			UG/L
VINYL CHLORIDE	0.17	U		1	0.17	U		1			UG/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 10042969 **Lab Code:** PAR **Project:** Salmon LTS&M **Validation Date:** 7/14/2010

Duplicate: 2594 **Sample:** HM-S

Analyte	Sample Result	Sample Flag	Sample Error	Sample Dilution	Duplicate Result	Duplicate Flag	Duplicate Error	Duplicate Dilution	RPD	RER	Units
ZINC	1.1	B		1	8.8	B		1			UG/L

Duplicate: 2595 **Sample:** HickHCrTSD-East

Analyte	Sample Result	Sample Flag	Sample Error	Sample Dilution	Duplicate Result	Duplicate Flag	Duplicate Error	Duplicate Dilution	RPD	RER	Units
ANTIMONY	0.016	B		1	0.012	U		1			UG/L
ARSENIC	0.16			1	0.14			1	13.33		UG/L
BARIUM	22			1	23			1	4.44		UG/L
BERYLLIUM	0.18	U		1	0.18	U		1			UG/L
CADMIUM	0.012	U		1	0.012	U		1			UG/L
CHROMIUM	0.51	U		1	0.51	U		1			UG/L
LEAD	0.087			1	0.09			1	3.39		UG/L
MERCURY	0.0097	U		1	0.0097	U		1			UG/L
NICKEL	0.93	U		1	0.93	U		1			UG/L
SELENIUM	0.038	B		1	0.055	B		1			UG/L
SILVER	1.1	U		1	1.1	U		1			UG/L
ZINC	1.3	B		1	2.1	B		1			UG/L

Certification

All laboratory analytical quality control criteria were met except as qualified in this report. The data qualifiers listed on the SEEPro database reports are defined on the last page of each report. All data in this package are considered validated and available for use.

Laboratory Coordinator: Steve Donivan — Date: 12-9-2010

Data Validation Lead: Steve Donivan — Date: 12-9-2010

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Attachment 1
Assessment of Anomalous Data

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Potential Outliers Report

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Potential Outliers Report

Potential outliers are measurements that are extremely large or small relative to the rest of the data and, therefore, are suspected of misrepresenting the population from which they were collected. Potential outliers may result from transcription errors, data-coding errors, or measurement system problems. However, outliers may also represent true extreme values of a distribution and indicate more variability in the population than was expected.

Statistical outlier tests give probabilistic evidence that an extreme value does not "fit" with the distribution of the remainder of the data and is therefore a statistical outlier. These tests should only be used to identify data points that require further investigation. The tests alone cannot determine whether a statistical outlier should be discarded or corrected within a data set.

There are three steps involved in identifying extreme values or outliers:

1. Identify extreme values that may be potential outliers by generating the Outliers Report using the Sample Management System from data in the SEEPro database. The application compares the new data set with historical data and lists the new data that fall outside the historical data range. A determination is also made if the data are normally distributed using the Shapiro-Wilk Test.
2. Apply the appropriate statistical test. Dixon's Extreme Value test is used to test for statistical outliers when the sample size is less than or equal to 25. This test considers both extreme values that are much smaller than the rest of the data (case 1) and extreme values that are much larger than the rest of the data (case 2). This test is valid only if the data without the suspected outlier are normally distributed. Rosner's Test is a parametric test that is used to detect outliers for sample sizes of 25 or more. This test also assumes that the data without the suspected outliers are normally distributed.
3. Scientifically review statistical outliers and decide on their disposition.

The *cis*-1,2-dichloroethene result for location HMH-5R was identified as a potential outlier. The *cis*-1-2,dichloroethene concentration at this location has been trending downward since 2006. Additionally, the sample was analyzed twice for volatile organics at different dilution factors, confirming the reported result. The data for this event are acceptable as qualified.

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Data Validation Outliers Report - No Field Parameters
Comparison: All Historical Data
Laboratory: ALS Laboratory Group
RIN: 10042969
Report Date: 10/27/2010

					Current			Historical Maximum			Historical Minimum			Number of Data Points		Statistical Outlier
						Qualifiers			Qualifiers			Qualifiers				
Site Code	Location Code	Sample ID	Sample Date	Analyte	Result	Lab	Data	Result	Lab	Data	Result	Lab	Data	N	N Below Detect	
SAL01	HALFMOON CREEK	N001	04/21/2010	Antimony	0.000018	B		0.02	U		0.000034	B		7	6	No
SAL01	HALFMOON CREEK	N001	04/21/2010	Zinc	0.0015	B	J	0.02	U		0.0027	B	U	7	5	No
SAL01	HM-3	N001	04/20/2010	Barium	0.17		F	0.37			0.19		F	12	0	No
SAL01	HM-3	N001	04/20/2010	Zinc	0.0031	B	F	0.0401			0.0033	B		7	4	No
SAL01	HMH-16R	N001	04/20/2010	Antimony	0.000019	B	F	0.02	U		0.000024	U	F	6	5	No
SAL01	HMH-16R	N001	04/20/2010	Barium	0.47		F	0.43		F	0.02	B		7	0	No
SAL01	HMH-16R	N001	04/20/2010	Cadmium	0.000022	B	F	0.005	U		0.000052	B	U	7	5	No
SAL01	HMH-16R	N001	04/20/2010	Nickel	0.00093	U	F	0.02	U	FQ	0.0026	B	F	6	4	No
SAL01	HMH-16R	N001	04/20/2010	Selenium	0.000037	B	F	0.005	U		0.00004	U	FQ	7	5	No
SAL01	HMH-16R	N001	04/20/2010	Zinc	0.00093	B	F	0.035			0.0018	B	UFQ	6	3	No
SAL01	HMH-5R	N001	04/22/2010	1,1-Dichloroethene	0.17	U	F	25	U		0.45	J	F	12	8	No
SAL01	HMH-5R	N001	04/22/2010	Barium	0.22		F	0.75			0.28		F	10	0	No
SAL01	HMH-5R	N001	04/22/2010	cis-1,2-Dichloroethene	46		F	150	E		76		F	12	0	Yes
SAL01	HMH-5R	N001	04/22/2010	trans-1,2-Dichloroethene	3.2		F	25	U		4.5		F	12	2	No
SAL01	HMH-5R	N001	04/22/2010	Trichloroethene	91		F	410	E		130		FQ	12	0	No
SAL01	HM-L	N001	04/20/2010	Barium	0.47		F	0.44		F	0.2			9	0	No
SAL01	HM-L	N001	04/20/2010	Nickel	0.00093	U	F	0.02	U	F	0.00098	B		7	4	No

Data Validation Outliers Report - No Field Parameters
Comparison: All Historical Data
Laboratory: ALS Laboratory Group
RIN: 10042969
Report Date: 10/27/2010

					Current			Historical Maximum			Historical Minimum			Number of Data Points		Statistical Outlier
						Qualifiers			Qualifiers			Qualifiers				
Site Code	Location Code	Sample ID	Sample Date	Analyte	Result	Lab	Data	Result	Lab	Data	Result	Lab	Data	N	N Below Detect	
SAL01	HM-L	N001	04/20/2010	Selenium	0.000032	U	F	0.005	U		0.00004	B	F	9	7	No
SAL01	HM-L	N001	04/20/2010	Zinc	0.00072	U	F	0.037			0.001	B		7	3	No
SAL01	HM-L2	N001	04/20/2010	Barium	0.066		F	0.13			0.086		FQ	8	0	No
SAL01	HM-L2	N001	04/20/2010	Zinc	0.00072	U	F	0.0294			0.0022	B	FQ	6	3	No
SAL01	HM-S	N001	04/20/2010	Benzene	0.17	U	F	5	U		0.22	J	F	10	6	No
SAL01	HM-S	N002	04/20/2010	Benzene	0.17	J	F	5	U		0.22	J	F	10	6	No
SAL01	HM-S	N001	04/20/2010	Cadmium	0.000022	B	F	0.005	U		0.000033	B	UF	11	9	No
SAL01	HM-S	N002	04/20/2010	cis-1,2-Dichloroethene	3.4		F	7			3.7		FQ	10	0	No
SAL01	HM-S	N001	04/20/2010	cis-1,2-Dichloroethene	3.3		F	7			3.7		FQ	10	0	No
SAL01	HM-S	N001	04/20/2010	Lead	0.000072		F	0.0038			0.00012	B	UF	11	10	No
SAL01	HM-S	N002	04/20/2010	trans-1,2-Dichloroethene	0.29	J	F	5	U		0.49	J	F	10	5	No
SAL01	HM-S	N001	04/20/2010	trans-1,2-Dichloroethene	0.31	J	F	5	U		0.49	J	F	10	5	No
SAL01	HM-S	N002	04/20/2010	Trichloroethene	1.6		F	3.9			1.7	U	F	10	1	No
SAL01	HM-S	N001	04/20/2010	Trichloroethene	1.5		F	3.9			1.7	U	F	10	1	No
SAL01	HM-S	N001	04/20/2010	Zinc	0.0011	B	F	0.0401			0.0018	B	F	8	4	No
SAL01	SA1-12-H	N001	04/22/2010	Antimony	0.00002	B	F	0.02	U		0.000024	U	F	6	6	No
SAL01	SA1-12-H	N001	04/22/2010	Zinc	0.00072	U	F	0.047			0.0051	B	F	6	3	No
SAL01	SA1-1-H	N001	04/20/2010	Antimony	0.000016	B	F	0.0317	U		0.000024	U	F	8	8	No

Data Validation Outliers Report - No Field Parameters
Comparison: All Historical Data
Laboratory: ALS Laboratory Group
RIN: 10042969
Report Date: 10/27/2010

					Current			Historical Maximum			Historical Minimum			Number of Data Points		Statistical Outlier
						Qualifiers			Qualifiers			Qualifiers				
Site Code	Location Code	Sample ID	Sample Date	Analyte	Result	Lab	Data	Result	Lab	Data	Result	Lab	Data	N	N Below Detect	
SAL01	SA1-1-H	N001	04/20/2010	Lead	0.000075		F	0.0048	J		0.000094	B	UF	11	10	No
SAL01	SA1-1-H	N001	04/20/2010	Nickel	0.00093	U	F	0.02	U	F	0.00094	B		8	5	No
SAL01	SA1-2-H	N001	04/20/2010	Antimony	0.000019	B	F	0.0317	U		0.000027	B	F	10	9	No
SAL01	SA1-2-H	N001	04/20/2010	Cadmium	0.000013	B	F	0.005	U		0.000037	B	F	12	11	No
SAL01	SA1-2-H	N001	04/20/2010	Lead	0.000099		F	0.0083	J		0.00016	B	UFQ	12	10	No
SAL01	SA1-2-H	N001	04/20/2010	Tetrachloroethene	0.17	U	F	5	U		0.26	J	FQ	12	9	No
SAL01	SA1-3-H	N001	04/21/2010	cis-1,2-Dichloroethene	38		F	32		F	5	U		11	1	No
SAL01	SA1-3-H	N001	04/21/2010	trans-1,2-Dichloroethene	16		F	14		F	2	J		14	1	No
SAL01	SA1-4-H	N001	04/21/2010	cis-1,2-Dichloroethene	0.17	U	F	5	U		0.29	J	F	10	7	No
SAL01	SA1-4-H	N001	04/21/2010	Selenium	0.000032	U	F	0.0054			0.000045	B		13	7	No
SAL01	SA1-5-H	N001	04/21/2010	Antimony	0.000026	B	F	0.0317	U		0.000031	B	F	8	6	No
SAL01	SA1-5-H	N001	04/21/2010	trans-1,2-Dichloroethene	1.1		F	9			1.3		F	12	0	No
SAL01	SA1-5-H	N001	04/21/2010	Trichloroethene	0.17	J	F	5	U		0.21	J	F	12	5	No
SAL01	SA1-5-H	N001	04/21/2010	Zinc	0.0022	B	JF	0.053			0.0032	B	UFQ	8	2	No
SAL01	SA1-6-H	N001	04/22/2010	Cadmium	0.000016	B	F	0.005	U		0.000043	B	F	11	9	No
SAL01	SA1-7-H	N001	04/21/2010	Cadmium	0.000039		F	0.005	U		0.000051	B	U	11	9	No
SAL01	SA1-8-L	N001	04/20/2010	Antimony	0.000016	B	F	0.02	U		0.000024	U	F	5	5	No
SAL01	SA1-8-L	N001	04/20/2010	Cadmium	0.000012	U	F	0.005	U		0.00004	B	F	7	6	No

Data Validation Outliers Report - No Field Parameters
Comparison: All Historical Data
Laboratory: ALS Laboratory Group
RIN: 10042969
Report Date: 10/27/2010

					Current			Historical Maximum			Historical Minimum			Number of Data Points		Statistical Outlier
						Qualifiers			Qualifiers			Qualifiers				
Site Code	Location Code	Sample ID	Sample Date	Analyte	Result	Lab	Data	Result	Lab	Data	Result	Lab	Data	N	N Below Detect	
SAL01	SA2-1-L	N001	04/20/2010	Lead	0.00013		F	0.003	U		0.00035	B	U	11	10	No
SAL01	SA2-1-L	N001	04/20/2010	Zinc	0.0015	B	JF	0.032			0.006	B		9	4	No
SAL01	SA2-2-L	N001	04/20/2010	Barium	0.86		FQ	0.81		FQ	0.025	B		11	0	No
SAL01	SA2-4-L	N001	04/20/2010	Antimony	0.000075		F	0.0461	U		0.000086	B	F	7	5	No
SAL01	SA2-4-L	N001	04/20/2010	Cadmium	0.000012	U	F	0.005	U		0.000038	B	F	9	8	No
SAL01	SA2-4-L	N001	04/20/2010	Lead	0.00012		F	0.0663			0.0003	B	F	9	4	No
SAL01	SA2-4-L	N001	04/20/2010	Zinc	0.0015	B	JF	1.9			0.0036	B		7	3	No
SAL01	SA3-4-H	N001	04/22/2010	Antimony	0.000022	B	F	0.0317	U		0.000024	U	F	9	9	No
SAL01	SA3-4-H	N001	04/22/2010	Beryllium	0.00023	B	UF	0.005	U		0.00026	B	F	9	7	No
SAL01	SA3-4-H	N001	04/22/2010	Selenium	0.000046	B	F	0.005	U		0.000053	B	UF	12	10	No
SAL01	SA4-5-L	N001	04/20/2010	Antimony	0.00028		FQ	0.02	U		0.00055		FQ	6	3	No
SAL01	SA4-5-L	N001	04/20/2010	Cadmium	0.000039		FQ	0.005	U		0.00004	U		9	7	No
SAL01	SA4-5-L	N001	04/20/2010	Chromium	0.048		FQ	0.042		FQ	0.0015	B		9	2	No

Data Validation Outliers Report - No Field Parameters

Comparison: All Historical Data

Laboratory: Environmental Protection Agency

RIN: 10042970

Report Date: 10/27/2010

					Current			Historical Maximum			Historical Minimum			Number of Data Points		Statistical Outlier
						Qualifiers			Qualifiers			Qualifiers				
Site Code	Location Code	Sample ID	Sample Date	Analyte	Result	Lab	Data	Result	Lab	Data	Result	Lab	Data	N	N Below Detect	
SAL01	HMH-5R	N002	04/22/2010	Tritium	1200		F	8700			1830			37	0	No
SAL01	SA1-12-H	N002	04/22/2010	Enriched Tritium	1.73		UF	10.8			2.95			10	0	No
SAL01	SA1-4-H	N002	04/21/2010	Enriched Tritium	20.5		F	343			32.9			11	0	No

STATISTICAL TESTS:
The distribution of the data is tested for normality or lognormality using the Shapiro-Wilk Test
Outliers are identified using Dixon's Test when there are 25 or fewer data points.
Outliers are identified using Rosner's Test when there are 26 or more data points.
See Data Quality Assessment: Statistical Methods for Practitioners, EPA QC/G-9S, February 2006.

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Attachment 2
Data Presentation

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Groundwater Quality Data

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Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: E-7 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2010	N001	934	-	934	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: E-7 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3,5-Trimethylbenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
2-Butanone	ug/L	04/22/2010	N001	934	-	934	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/22/2010	N001	934	-	934	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/22/2010	N001	934	-	934	1.7	U	F	#	1.7	
Acetone	ug/L	04/22/2010	N001	934	-	934	3.3	U	F	#	3.3	
Benzene	ug/L	04/22/2010	N001	934	-	934	0.31	J	F	#	0.17	
Bromobenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Bromoform	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: E-7 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Carbon Disulfide	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Cesium-137	pCi/L	04/22/2010	N002	934	-	934	0	U	F	#	1.8	0
Chlorobenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Chloroform	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
cis-1,2-Dichloroethene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Enriched Tritium	pCi/L	04/22/2010	N002	934	-	934	-1.62		UF	#	3.78	2.26
Ethylbenzene	ug/L	04/22/2010	N001	934	-	934	0.2	J	F	#	0.17	
Hexachlorobutadiene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: E-7 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Isopropylbenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
m,p-Xylene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Methylene chloride	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/22/2010	N001	934	-	934	0.24	J	F	#	0.17	
o-Xylene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
pH	s.u.	04/22/2010	N002	934	-	934	7.33		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Specific Conductance	umhos /cm	04/22/2010	N002	934	-	934	3039		F	#		
Styrene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Temperature	C	04/22/2010	N002	934	-	934	21.68		F	#		
tert-Butylbenzene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Toluene	ug/L	04/22/2010	N001	934	-	934	0.53	J	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: E-7 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Trichlorofluoromethane	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	
Tritium	pCi/L	04/22/2010	N002	934	-	934	-23.8		UF	#	153	92.5
Turbidity	NTU	04/22/2010	N002	934	-	934	36.1		F	#		
Vinyl Acetate	ug/L	04/22/2010	N001	934	-	934	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/22/2010	N001	934	-	934	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HM-1 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Cesium-137	pCi/L	04/21/2010	N002	330	-	415	0	U	F	#	2.2	0
Enriched Tritium	pCi/L	04/21/2010	N002	330	-	415	4.06		FJ	#	4.31	2.71
pH	s.u.	04/21/2010	N002	330	-	415	8.69		F	#		
Specific Conductance	umhos /cm	04/21/2010	N002	330	-	415	219		F	#		
Temperature	C	04/21/2010	N002	330	-	415	20.92		F	#		
Tritium	pCi/L	04/21/2010	N002	330	-	415	-6.79		UF	#	153	92.9
Turbidity	NTU	04/21/2010	N002	330	-	415	4.84		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HM-2A WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bismuth-214	pCi/L	04/20/2010	N002	440	-	537	4.3		F	#	0	2.4
Cesium-137	pCi/L	04/20/2010	N002	440	-	537	0	U	F	#	2.3	0
pH	s.u.	04/20/2010	N002	440	-	537	7.02		F	#		
Specific Conductance	umhos /cm	04/20/2010	N002	440	-	537	148		F	#		
Temperature	C	04/20/2010	N002	440	-	537	20.39		F	#		
Tritium	pCi/L	04/20/2010	N002	440	-	537	-3.39		UF	#	153	93
Turbidity	NTU	04/20/2010	N002	440	-	537	1.19		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HM-2B WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Cesium-137	pCi/L	04/21/2010	N002	600	-	700	0	U	F	#	2.2	0
pH	s.u.	04/21/2010	N002	600	-	700	9.43		F	#		
Specific Conductance	umhos /cm	04/21/2010	N002	600	-	700	507		F	#		
Temperature	C	04/21/2010	N002	600	-	700	21.95		F	#		
Tritium	pCi/L	04/21/2010	N002	600	-	700	37.3		UF	#	153	94
Turbidity	NTU	04/21/2010	N002	600	-	700	2.54		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HM-3 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	740	-	873	0.00008		F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	740	-	873	0.00059		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	740	-	873	0.17		F	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	740	-	873	0.00018	U	F	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	740	-	873	0.000012	U	F	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	740	-	873	0	U	F	#	2.3	0
Chromium	mg/L	04/20/2010	N001	740	-	873	0.12		F	#	0.00051	
Enriched Tritium	pCi/L	04/20/2010	N002	740	-	873	-.865		UF	#	3.67	2.21
Lead	mg/L	04/20/2010	N001	740	-	873	0.00064		F	#	0.0000068	
Mercury	mg/L	04/20/2010	N001	740	-	873	0.0000097	U	F	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	740	-	873	0.00093	U	F	#	0.00093	
pH	s.u.	04/20/2010	N002	740	-	873	9.37		F	#		
Potassium-40	pCi/L	04/20/2010	N002	740	-	873	15		F	#	0	12
Selenium	mg/L	04/20/2010	N001	740	-	873	0.000049	B	F	#	0.000032	
Silver	mg/L	04/20/2010	N001	740	-	873	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	740	-	873	1407		F	#		
Temperature	C	04/20/2010	N002	740	-	873	21.14		F	#		
Tritium	pCi/L	04/20/2010	N002	740	-	873	-64.5		UF	#	153	91.5
Turbidity	NTU	04/20/2010	N002	740	-	873	1.75		F	#		
Zinc	mg/L	04/20/2010	N001	740	-	873	0.0031	B	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HM-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	140	-	204	0.000033		F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	140	-	204	0.0011		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	140	-	204	0.47		F	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	140	-	204	0.00028	B	F	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	140	-	204	0.000012	U	F	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	140	-	204	0	U	F	#	2.2	0
Chromium	mg/L	04/20/2010	N001	140	-	204	0.0025		F	#	0.00051	
Lead	mg/L	04/20/2010	N001	140	-	204	0.000029	B	UF	#	0.0000068	
Mercury	mg/L	04/20/2010	N001	140	-	204	0.0000097	U	F	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	140	-	204	0.00093	U	F	#	0.00093	
pH	s.u.	04/20/2010	N002	140	-	204	8.43		F	#		
Potassium-40	pCi/L	04/20/2010	N002	140	-	204	13.3		F	#	0	12
Selenium	mg/L	04/20/2010	N001	140	-	204	0.000032	U	F	#	0.000032	
Silver	mg/L	04/20/2010	N001	140	-	204	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	140	-	204	659		F	#		
Temperature	C	04/20/2010	N002	140	-	204	20.15		F	#		
Tritium	pCi/L	04/20/2010	N002	140	-	204	849		F	#	153	112
Turbidity	NTU	04/20/2010	N002	140	-	204	0.35		F	#		
Zinc	mg/L	04/20/2010	N001	140	-	204	0.00072	U	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HM-L2 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.00006		F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.000082	B	F	#	0.000015	
Barium	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.066		F	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.00031	B	F	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.000012	U	F	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	10251.49	-	10251.49	0	U	F	#	2.2	0
Chromium	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.00051	U	F	#	0.00051	
Lead	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.0002		F	#	0.0000068	
Mercury	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.0000097	U	F	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.00093	U	F	#	0.00093	
pH	s.u.	04/20/2010	N002	10251.49	-	10251.49	7.6		F	#		
Potassium-40	pCi/L	04/20/2010	N002	10251.49	-	10251.49	10.7		UF	#	0	13
Selenium	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.000032	U	F	#	0.000032	
Silver	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	10251.49	-	10251.49	375		F	#		
Temperature	C	04/20/2010	N002	10251.49	-	10251.49	20.05		F	#		
Tritium	pCi/L	04/20/2010	N002	10251.49	-	10251.49	74.7		UF	#	153	94.9
Turbidity	NTU	04/20/2010	N002	10251.49	-	10251.49	25.8		F	#		
Zinc	mg/L	04/20/2010	N001	10251.49	-	10251.49	0.00072	U	F	#	0.00072	

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Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1,1,2-Tetrachloroethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	

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Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,2,4-Trimethylbenzene	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/20/2010	N001	20 - 30	0.67	U	F	#	0.67	
1,2-Dibromo-3-chloropropane	ug/L	04/20/2010	N002	20 - 30	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,2-Dibromoethane	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	

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Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/20/2010	N001	20	-	30	1.7	U	F	#	1.7	
2-Butanone	ug/L	04/20/2010	N002	20	-	30	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
2-Chlorotoluene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/20/2010	N001	20	-	30	1.7	U	F	#	1.7	
2-Hexanone	ug/L	04/20/2010	N002	20	-	30	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
4-Chlorotoluene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/20/2010	N001	20	-	30	1.7	U	F	#	1.7	
4-Methyl-2-Pentanone	ug/L	04/20/2010	N002	20	-	30	1.7	U	F	#	1.7	
Acetone	ug/L	04/20/2010	N001	20	-	30	3.3	U	F	#	3.3	
Acetone	ug/L	04/20/2010	N002	20	-	30	3.3	U	F	#	3.3	
Antimony	mg/L	04/20/2010	N001	20	-	30	0.000012	U	F	#	0.000012	
Antimony	mg/L	04/20/2010	N002	20	-	30	0.000024	B	F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	20	-	30	0.00011		F	#	0.000015	
Arsenic	mg/L	04/20/2010	N002	20	-	30	0.00012		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	20	-	30	0.032		F	#	0.00019	
Barium	mg/L	04/20/2010	N002	20	-	30	0.032		F	#	0.00019	
Benzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Benzene	ug/L	04/20/2010	N002	20	-	30	0.17	J	F	#	0.17	
Beryllium	mg/L	04/20/2010	N001	20	-	30	0.00028	B	UF	#	0.00018	
Beryllium	mg/L	04/20/2010	N002	20	-	30	0.0002	B	F	#	0.00018	
Bromobenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	

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Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromobenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Bromoform	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Bromoform	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Cadmium	mg/L	04/20/2010	N001	20	-	30	0.000022	B	F	#	0.000012	
Cadmium	mg/L	04/20/2010	N002	20	-	30	0.000033		F	#	0.000012	
Carbon Disulfide	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Carbon Disulfide	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Cesium-137	pCi/L	04/20/2010	N003	20	-	30	0	U	F	#	2.3	0
Cesium-137	pCi/L	04/20/2010	N004	20	-	30	0	U	F	#	2.4	0
Chlorobenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	

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Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroform	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Chloroform	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Chromium	mg/L	04/20/2010	N001	20	-	30	0.0006	B	UF	#	0.00051	
Chromium	mg/L	04/20/2010	N002	20	-	30	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/20/2010	N001	20	-	30	3.3		F	#	0.17	
cis-1,2-Dichloroethene	ug/L	04/20/2010	N002	20	-	30	3.4		F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Lead	mg/L	04/20/2010	N001	20	-	30	0.000072		F	#	0.0000068	

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Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/20/2010	N002	20	-	30	0.00012		F	#	0.0000068	
m,p-Xylene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
m,p-Xylene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Mercury	mg/L	04/20/2010	N001	20	-	30	0.00001	B	F	#	0.0000097	
Mercury	mg/L	04/20/2010	N002	20	-	30	0.000028	B	UF	#	0.0000097	
Methylene chloride	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Methylene chloride	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Nickel	mg/L	04/20/2010	N001	20	-	30	0.00093	U	F	#	0.00093	
Nickel	mg/L	04/20/2010	N002	20	-	30	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
o-Xylene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
pH	s.u.	04/20/2010	N003	20	-	30	5.76		F	#		
Potassium-40	pCi/L	04/20/2010	N003	20	-	30	12.2		UF	#	0	13
Propane, 2-methoxy-2-methyl-	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Propane, 2-methoxy-2-methyl-	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	

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Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
sec-Butylbenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Selenium	mg/L	04/20/2010	N001	20	-	30	0.000075	B	F	#	0.000032	
Selenium	mg/L	04/20/2010	N002	20	-	30	0.000087	B	F	#	0.000032	
Silver	mg/L	04/20/2010	N001	20	-	30	0.0011	U	F	#	0.0011	
Silver	mg/L	04/20/2010	N002	20	-	30	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N003	20	-	30	1202		F	#		
Styrene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Styrene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Temperature	C	04/20/2010	N003	20	-	30	18.29		F	#		
tert-Butylbenzene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
tert-Butylbenzene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Toluene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
Toluene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/20/2010	N001	20	-	30	0.31	J	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/20/2010	N002	20	-	30	0.29	J	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/20/2010	N002	20	-	30	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/20/2010	N001	20	-	30	1.5		F	#	0.17	
Trichloroethene	ug/L	04/20/2010	N002	20	-	30	1.6		F	#	0.17	
Trichlorofluoromethane	ug/L	04/20/2010	N001	20	-	30	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HM-S WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Trichlorofluoromethane	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
Tritium	pCi/L	04/20/2010	N003	20 - 30	322		FJ	#	153	101
Tritium	pCi/L	04/20/2010	N004	20 - 30	348		FJ	#	154	101
Turbidity	NTU	04/20/2010	N003	20 - 30	79.2		F	#		
Vinyl Acetate	ug/L	04/20/2010	N001	20 - 30	0.67	U	F	#	0.67	
Vinyl Acetate	ug/L	04/20/2010	N002	20 - 30	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/20/2010	N001	20 - 30	0.17	U	F	#	0.17	
Vinyl chloride	ug/L	04/20/2010	N002	20 - 30	0.17	U	F	#	0.17	
Zinc	mg/L	04/20/2010	N001	20 - 30	0.0011	B	F	#	0.00072	
Zinc	mg/L	04/20/2010	N002	20 - 30	0.0088	B	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/20/2010	N001	15	-	24.9	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/20/2010	N001	15	-	24.9	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/20/2010	N001	15	-	24.9	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/20/2010	N001	15	-	24.9	1.7	U	F	#	1.7	
Acetone	ug/L	04/20/2010	N001	15	-	24.9	3.3	U	F	#	3.3	
Antimony	mg/L	04/20/2010	N001	15	-	24.9	0.000019	B	F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	15	-	24.9	0.00022		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	15	-	24.9	0.47		F	#	0.00019	
Benzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Beryllium	mg/L	04/20/2010	N001	15	-	24.9	0.00028	B	F	#	0.00018	
Bromobenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Bromoform	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Cadmium	mg/L	04/20/2010	N001	15	-	24.9	0.000022	B	F	#	0.000012	
Carbon Disulfide	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Chloroform	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/20/2010	N001	15	-	24.9	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Enriched Tritium	pCi/L	04/20/2010	N002	15	-	24.9	17.7		UF	#	3.83	2.71
Ethylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Lead	mg/L	04/20/2010	N001	15	-	24.9	0.000046	B	UF	#	0.0000068	
m,p-Xylene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Mercury	mg/L	04/20/2010	N001	15	-	24.9	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Nickel	mg/L	04/20/2010	N001	15	-	24.9	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
pH	s.u.	04/20/2010	N002	15	-	24.9	6.79		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Selenium	mg/L	04/20/2010	N001	15	-	24.9	0.000037	B	F	#	0.000032	
Silver	mg/L	04/20/2010	N001	15	-	24.9	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	15	-	24.9	1035		F	#		
Styrene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Temperature	C	04/20/2010	N002	15	-	24.9	18.07		F	#		
tert-Butylbenzene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Toluene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Trichlorofluoromethane	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Tritium	pCi/L	04/20/2010	N002	15	-	24.9	61.1		F	#	153	94.6
Turbidity	NTU	04/20/2010	N002	15	-	24.9	3.25		F	#		
Vinyl Acetate	ug/L	04/20/2010	N001	15	-	24.9	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/20/2010	N001	15	-	24.9	0.17	U	F	#	0.17	
Zinc	mg/L	04/20/2010	N001	15	-	24.9	0.00093	B	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2010	N001	20	-	29.4	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/22/2010	N001	20	-	29.4	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/22/2010	N001	20	-	29.4	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/22/2010	N001	20	-	29.4	1.7	U	F	#	1.7	
Acetone	ug/L	04/22/2010	N001	20	-	29.4	3.3	U	F	#	3.3	
Antimony	mg/L	04/22/2010	N001	20	-	29.4	0.000046		F	#	0.000012	
Arsenic	mg/L	04/22/2010	N001	20	-	29.4	0.0046		F	#	0.000015	
Barium	mg/L	04/22/2010	N001	20	-	29.4	0.22		F	#	0.00019	
Benzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Beryllium	mg/L	04/22/2010	N001	20	-	29.4	0.00028	B	F	#	0.00018	
Bromobenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Bromoform	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Cadmium	mg/L	04/22/2010	N001	20	-	29.4	0.000012	U	F	#	0.000012	
Carbon Disulfide	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Chloroform	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/22/2010	N001	20	-	29.4	0.00068	B	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2010	N001	20	-	29.4	46		F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Lead	mg/L	04/22/2010	N001	20	-	29.4	0.00039		F	#	0.0000068	
m,p-Xylene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Mercury	mg/L	04/22/2010	N001	20	-	29.4	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Nickel	mg/L	04/22/2010	N001	20	-	29.4	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
pH	s.u.	04/22/2010	N002	20	-	29.4	5.52		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Selenium	mg/L	04/22/2010	N001	20	-	29.4	0.000068	B	F	#	0.000032	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Silver	mg/L	04/22/2010	N001	20	-	29.4	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/22/2010	N002	20	-	29.4	401		F	#		
Styrene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Temperature	C	04/22/2010	N002	20	-	29.4	19.02		F	#		
tert-Butylbenzene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Toluene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/22/2010	N001	20	-	29.4	3.2		F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/22/2010	N001	20	-	29.4	91		F	#	0.67	
Trichlorofluoromethane	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Tritium	pCi/L	04/22/2010	N002	20	-	29.4	1200		F	#	153	119
Turbidity	NTU	04/22/2010	N002	20	-	29.4	32.9		F	#		
Vinyl Acetate	ug/L	04/22/2010	N001	20	-	29.4	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/22/2010	N001	20	-	29.4	0.17	U	F	#	0.17	
Zinc	mg/L	04/22/2010	N001	20	-	29.4	0.00072	U	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.22	J	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/20/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/20/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/20/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/20/2010	N001	10	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/20/2010	N001	10	-	29.5	0.000016	B	F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	10	-	29.5	0.0043		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	10	-	29.5	0.26		F	#	0.00019	
Benzene	ug/L	04/20/2010	N001	10	-	29.5	0.34	J	F	#	0.17	
Beryllium	mg/L	04/20/2010	N001	10	-	29.5	0.00065	B	UF	#	0.00018	
Bromobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/20/2010	N001	10	-	29.5	0.000012	U	F	#	0.000012	
Carbon Disulfide	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/20/2010	N001	10	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/20/2010	N001	10	-	29.5	6.4		F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.2	J	F	#	0.17	
Hexachlorobutadiene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/20/2010	N001	10	-	29.5	0.000075		F	#	0.0000068	
m,p-Xylene	ug/L	04/20/2010	N001	10	-	29.5	0.66	J	F	#	0.17	
Mercury	mg/L	04/20/2010	N001	10	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/20/2010	N001	10	-	29.5	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/20/2010	N001	10	-	29.5	0.26	J	F	#	0.17	
p-Isopropyltoluene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/20/2010	N002	10	-	29.5	5.85		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Selenium	mg/L	04/20/2010	N001	10	-	29.5	0.000077	B	F	#	0.000032	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Silver	mg/L	04/20/2010	N001	10	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	10	-	29.5	625		F	#		
Styrene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/20/2010	N002	10	-	29.5	16.93		F	#		
tert-Butylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/20/2010	N001	10	-	29.5	1.2		F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/20/2010	N001	10	-	29.5	1.9		F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/20/2010	N001	10	-	29.5	2.4		F	#	0.17	
Trichlorofluoromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/20/2010	N002	10	-	29.5	4130		F	#	154	165
Turbidity	NTU	04/20/2010	N002	10	-	29.5	4.17		F	#		
Vinyl Acetate	ug/L	04/20/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Zinc	mg/L	04/20/2010	N001	10	-	29.5	0.0016	B	JF	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-11-3 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Cesium-137	pCi/L	04/20/2010	N002	843.2	-	903.2	0	U	F	#	2.2	0
pH	s.u.	04/20/2010	N002	843.2	-	903.2	8.26		F	#		
Specific Conductance	umhos /cm	04/20/2010	N002	843.2	-	903.2	959		F	#		
Temperature	C	04/20/2010	N002	843.2	-	903.2	20.2		F	#		
Tritium	pCi/L	04/20/2010	N002	843.2	-	903.2	-105		UF	#	154	90.7
Turbidity	NTU	04/20/2010	N002	843.2	-	903.2	0.36		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2010	N001	22	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/22/2010	N001	22	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/22/2010	N001	22	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/22/2010	N001	22	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/22/2010	N001	22	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/22/2010	N001	22	-	29.5	0.00002	B	F	#	0.000012	
Arsenic	mg/L	04/22/2010	N001	22	-	29.5	0.000078	B	F	#	0.000015	
Barium	mg/L	04/22/2010	N001	22	-	29.5	0.32		F	#	0.00019	
Benzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Beryllium	mg/L	04/22/2010	N001	22	-	29.5	0.00039	B	UF	#	0.00018	
Bromobenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/22/2010	N001	22	-	29.5	0.000012	U	F	#	0.000012	
Carbon Disulfide	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/22/2010	N001	22	-	29.5	0.00063	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Enriched Tritium	pCi/L	04/22/2010	N002	22	-	29.5	1.73		UF	#	3.67	2.27
Ethylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/22/2010	N001	22	-	29.5	0.00004	B	UF	#	0.0000068	
m,p-Xylene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/22/2010	N001	22	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/22/2010	N001	22	-	29.5	0.01	B	F	#	0.00093	
o-Xylene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/22/2010	N002	22	-	29.5	6.84		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Selenium	mg/L	04/22/2010	N001	22	-	29.5	0.000032	U	F	#	0.000032	
Silver	mg/L	04/22/2010	N001	22	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/22/2010	N002	22	-	29.5	411		F	#		
Styrene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/22/2010	N002	22	-	29.5	17.62		F	#		
tert-Butylbenzene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Trichlorofluoromethane	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/22/2010	N002	22	-	29.5	-33.8		UF	#	154	92.4
Turbidity	NTU	04/22/2010	N002	22	-	29.5	1.23		F	#		
Vinyl Acetate	ug/L	04/22/2010	N001	22	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/22/2010	N001	22	-	29.5	0.17	U	F	#	0.17	
Zinc	mg/L	04/22/2010	N001	22	-	29.5	0.00072	U	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/20/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/20/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/20/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/20/2010	N001	10	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/20/2010	N001	10	-	29.5	0.000019	B	F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	10	-	29.5	0.0046		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	10	-	29.5	0.047		F	#	0.00019	
Benzene	ug/L	04/20/2010	N001	10	-	29.5	0.24	J	F	#	0.17	
Beryllium	mg/L	04/20/2010	N001	10	-	29.5	0.00039	B	UF	#	0.00018	
Bromobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/20/2010	N001	10	-	29.5	0.000013	B	F	#	0.000012	
Carbon Disulfide	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/20/2010	N001	10	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/20/2010	N001	10	-	29.5	17		F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/20/2010	N001	10	-	29.5	0.000099		F	#	0.0000068	
m,p-Xylene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/20/2010	N001	10	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/20/2010	N001	10	-	29.5	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/20/2010	N002	10	-	29.5	5.72		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Selenium	mg/L	04/20/2010	N001	10	-	29.5	0.00015		F	#	0.000032	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Silver	mg/L	04/20/2010	N001	10	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	10	-	29.5	1225		F	#		
Styrene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/20/2010	N002	10	-	29.5	16.27		F	#		
tert-Butylbenzene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/20/2010	N001	10	-	29.5	1.5		F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/20/2010	N001	10	-	29.5	1.4		F	#	0.17	
Trichlorofluoromethane	ug/L	04/20/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/20/2010	N002	10	-	29.5	560		F	#	154	106
Turbidity	NTU	04/20/2010	N002	10	-	29.5	52.2		F	#		
Vinyl Acetate	ug/L	04/20/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/20/2010	N001	10	-	29.5	2.2		F	#	0.17	
Zinc	mg/L	04/20/2010	N001	10	-	29.5	0.00072	U	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/21/2010	N001	10	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/21/2010	N001	10	-	29.5	0.000052		F	#	0.000012	
Arsenic	mg/L	04/21/2010	N001	10	-	29.5	0.023		F	#	0.000015	
Barium	mg/L	04/21/2010	N001	10	-	29.5	0.064		F	#	0.00019	
Benzene	ug/L	04/21/2010	N001	10	-	29.5	0.76	J	F	#	0.17	
Beryllium	mg/L	04/21/2010	N001	10	-	29.5	0.00074	B	UF	#	0.00018	
Bromobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/21/2010	N001	10	-	29.5	0.000012	U	F	#	0.000012	
Carbon Disulfide	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/21/2010	N001	10	-	29.5	0.003		UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	38		F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/21/2010	N001	10	-	29.5	0.000066		F	#	0.0000068	
m,p-Xylene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/21/2010	N001	10	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/21/2010	N001	10	-	29.5	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/21/2010	N002	10	-	29.5	6.36		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Selenium	mg/L	04/21/2010	N001	10	-	29.5	0.00021		F	#	0.000032	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Silver	mg/L	04/21/2010	N001	10	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/21/2010	N002	10	-	29.5	2983		F	#		
Styrene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/21/2010	N002	10	-	29.5	17.85		F	#		
tert-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	16		F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/21/2010	N001	10	-	29.5	1.7		F	#	0.17	
Trichlorofluoromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/21/2010	N002	10	-	29.5	260		FJ	#	154	99.3
Turbidity	NTU	04/21/2010	N002	10	-	29.5	67.3		F	#		
Vinyl Acetate	ug/L	04/21/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/21/2010	N001	10	-	29.5	1.1		F	#	0.17	
Zinc	mg/L	04/21/2010	N001	10	-	29.5	0.00072	U	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/21/2010	N001	10	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/21/2010	N001	10	-	29.5	0.000012	U	F	#	0.000012	
Arsenic	mg/L	04/21/2010	N001	10	-	29.5	0.00037		F	#	0.000015	
Barium	mg/L	04/21/2010	N001	10	-	29.5	0.27		F	#	0.00019	
Benzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Beryllium	mg/L	04/21/2010	N001	10	-	29.5	0.00051	B	UF	#	0.00018	
Bromobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/21/2010	N001	10	-	29.5	0.000012	U	F	#	0.000012	
Carbon Disulfide	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/21/2010	N001	10	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Enriched Tritium	pCi/L	04/21/2010	N002	10	-	29.5	20.5		F	#	3.58	2.61
Ethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/21/2010	N001	10	-	29.5	0.000026	B	UF	#	0.0000068	
m,p-Xylene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/21/2010	N001	10	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/21/2010	N001	10	-	29.5	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/21/2010	N002	10	-	29.5	5.47		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Selenium	mg/L	04/21/2010	N001	10	-	29.5	0.000032	U	F	#	0.000032	
Silver	mg/L	04/21/2010	N001	10	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/21/2010	N002	10	-	29.5	301		F	#		
Styrene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/21/2010	N002	10	-	29.5	18.94		F	#		
tert-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichlorofluoromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/21/2010	N002	10	-	29.5	-13.5		UF	#	154	92.9
Turbidity	NTU	04/21/2010	N002	10	-	29.5	1.48		F	#		
Vinyl Acetate	ug/L	04/21/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Zinc	mg/L	04/21/2010	N001	10	-	29.5	0.00072	U	JF	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/21/2010	N001	13	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/21/2010	N001	13	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/21/2010	N001	13	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/21/2010	N001	13	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/21/2010	N001	13	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/21/2010	N001	13	-	29.5	0.000026	B	F	#	0.000012	
Arsenic	mg/L	04/21/2010	N001	13	-	29.5	0.00047		F	#	0.000015	
Barium	mg/L	04/21/2010	N001	13	-	29.5	0.023		F	#	0.00019	
Benzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Beryllium	mg/L	04/21/2010	N001	13	-	29.5	0.00056	B	UF	#	0.00018	
Bromobenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/21/2010	N001	13	-	29.5	0.000012	U	F	#	0.000012	
Carbon Disulfide	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/21/2010	N001	13	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/21/2010	N001	13	-	29.5	7.9		F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/21/2010	N001	13	-	29.5	0.000036	B	UF	#	0.0000068	
m,p-Xylene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/21/2010	N001	13	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/21/2010	N001	13	-	29.5	0.001	B	F	#	0.00093	
o-Xylene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/21/2010	N002	13	-	29.5	6.21		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Selenium	mg/L	04/21/2010	N001	13	-	29.5	0.00022		F	#	0.000032	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Silver	mg/L	04/21/2010	N001	13	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/21/2010	N002	13	-	29.5	1887		F	#		
Styrene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/21/2010	N002	13	-	29.5	17.79		F	#		
tert-Butylbenzene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/21/2010	N001	13	-	29.5	1.1		F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/21/2010	N001	13	-	29.5	0.17	J	F	#	0.17	
Trichlorofluoromethane	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/21/2010	N002	13	-	29.5	159		FJ	#	154	97
Turbidity	NTU	04/21/2010	N002	13	-	29.5	11.1		F	#		
Vinyl Acetate	ug/L	04/21/2010	N001	13	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/21/2010	N001	13	-	29.5	0.17	U	F	#	0.17	
Zinc	mg/L	04/21/2010	N001	13	-	29.5	0.0022	B	JF	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2010	N001	3	-	22.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/22/2010	N001	3	-	22.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/22/2010	N001	3	-	22.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/22/2010	N001	3	-	22.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/22/2010	N001	3	-	22.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/22/2010	N001	3	-	22.5	0.000028	B	F	#	0.000012	
Arsenic	mg/L	04/22/2010	N001	3	-	22.5	0.0025		F	#	0.000015	
Barium	mg/L	04/22/2010	N001	3	-	22.5	0.019	B	F	#	0.00019	
Benzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Beryllium	mg/L	04/22/2010	N001	3	-	22.5	0.00043	B	UF	#	0.00018	
Bromobenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/22/2010	N001	3	-	22.5	0.000016	B	F	#	0.000012	
Carbon Disulfide	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/22/2010	N001	3	-	22.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Enriched Tritium	pCi/L	04/22/2010	N002	3	-	22.5	8.07		FJ	#	3.59	2.36
Ethylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Lead	mg/L	04/22/2010	N001	3	-	22.5	0.00061		F	#	0.0000068	
m,p-Xylene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/22/2010	N001	3	-	22.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/22/2010	N001	3	-	22.5	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
pH	s.u.	04/22/2010	N002	3	-	22.5	4.96		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Selenium	mg/L	04/22/2010	N001	3	-	22.5	0.00012		F	#	0.000032	
Silver	mg/L	04/22/2010	N001	3	-	22.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/22/2010	N002	3	-	22.5	34		F	#		
Styrene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Temperature	C	04/22/2010	N002	3	-	22.5	18.92		F	#		
tert-Butylbenzene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Trichlorofluoromethane	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/22/2010	N002	3	-	22.5	-33.8		UF	#	154	92.4
Turbidity	NTU	04/22/2010	N002	3	-	22.5	49.2		F	#		
Vinyl Acetate	ug/L	04/22/2010	N001	3	-	22.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/22/2010	N001	3	-	22.5	0.17	U	F	#	0.17	
Zinc	mg/L	04/22/2010	N001	3	-	22.5	0.0018	B	JF	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/21/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/21/2010	N001	10	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/21/2010	N001	10	-	29.5	0.000039		F	#	0.000012	
Arsenic	mg/L	04/21/2010	N001	10	-	29.5	0.011		F	#	0.000015	
Barium	mg/L	04/21/2010	N001	10	-	29.5	0.26		F	#	0.00019	
Benzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Beryllium	mg/L	04/21/2010	N001	10	-	29.5	0.00058	B	UF	#	0.00018	
Bromobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/21/2010	N001	10	-	29.5	0.000039		F	#	0.000012	
Carbon Disulfide	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/21/2010	N001	10	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.88	J	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/21/2010	N001	10	-	29.5	0.000068		UF	#	0.0000068	
m,p-Xylene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/21/2010	N001	10	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/21/2010	N001	10	-	29.5	0.0019	B	F	#	0.00093	
o-Xylene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/21/2010	N002	10	-	29.5	5.81		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Selenium	mg/L	04/21/2010	N001	10	-	29.5	0.0012		F	#	0.000032	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Silver	mg/L	04/21/2010	N001	10	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/21/2010	N002	10	-	29.5	1088		F	#		
Styrene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/21/2010	N002	10	-	29.5	18.18		F	#		
tert-Butylbenzene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichlorofluoromethane	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/21/2010	N002	10	-	29.5	6.75		UF	#	154	93.4
Turbidity	NTU	04/21/2010	N002	10	-	29.5	2.88		F	#		
Vinyl Acetate	ug/L	04/21/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/21/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Zinc	mg/L	04/21/2010	N001	10	-	29.5	0.0033	B	JF	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA1-8-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	145	-	185	0.000016	B	F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	145	-	185	0.0053		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	145	-	185	0.22		F	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	145	-	185	0.00037	B	UF	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	145	-	185	0.000012	U	F	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	145	-	185	0	U	F	#	2.4	0
Chromium	mg/L	04/20/2010	N001	145	-	185	0.00051	U	F	#	0.00051	
Lead	mg/L	04/20/2010	N001	145	-	185	0.00003	B	UF	#	0.0000068	
Mercury	mg/L	04/20/2010	N001	145	-	185	0.0000097	U	F	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	145	-	185	0.00093	U	F	#	0.00093	
pH	s.u.	04/20/2010	N002	145	-	185	6.71		F	#		
Potassium-40	pCi/L	04/20/2010	N002	145	-	185	7.9		UF	#	0	12
Selenium	mg/L	04/20/2010	N001	145	-	185	0.000032	U	F	#	0.000032	
Silver	mg/L	04/20/2010	N001	145	-	185	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	145	-	185	184		F	#		
Temperature	C	04/20/2010	N002	145	-	185	20.29		F	#		
Tritium	pCi/L	04/20/2010	N002	145	-	185	-64.1		UF	#	154	91.7
Turbidity	NTU	04/20/2010	N002	145	-	185	7.95		F	#		
Zinc	mg/L	04/20/2010	N001	145	-	185	0.025		F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA2-1-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	278.1	-	338.1	0.00017		F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	278.1	-	338.1	0.01		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	278.1	-	338.1	0.057		F	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	278.1	-	338.1	0.00018	U	F	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	278.1	-	338.1	0.000012	U	F	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	278.1	-	338.1	0	U	F	#	2.2	0
Chromium	mg/L	04/20/2010	N001	278.1	-	338.1	0.00051	U	F	#	0.00051	
Lead	mg/L	04/20/2010	N001	278.1	-	338.1	0.00013		F	#	0.0000068	
Mercury	mg/L	04/20/2010	N001	278.1	-	338.1	0.0000097	U	F	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	278.1	-	338.1	0.00093	U	F	#	0.00093	
pH	s.u.	04/20/2010	N002	278.1	-	338.1	8.92		F	#		
Potassium-40	pCi/L	04/20/2010	N002	278.1	-	338.1	14		F	#	0	12
Selenium	mg/L	04/20/2010	N001	278.1	-	338.1	0.00022		F	#	0.000032	
Silver	mg/L	04/20/2010	N001	278.1	-	338.1	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	278.1	-	338.1	284		F	#		
Temperature	C	04/20/2010	N002	278.1	-	338.1	20.11		F	#		
Tritium	pCi/L	04/20/2010	N002	278.1	-	338.1	-60.8		UF	#	154	91.8
Turbidity	NTU	04/20/2010	N002	278.1	-	338.1	0.36		F	#		
Zinc	mg/L	04/20/2010	N001	278.1	-	338.1	0.0015	B	JF	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA2-2-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	275	-	335	0.00056		FQ	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	275	-	335	0.00049		FQ	#	0.000015	
Barium	mg/L	04/20/2010	N001	275	-	335	0.86		FQ	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	275	-	335	0.0003	B	UFQ	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	275	-	335	0.000012	U	FQ	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	275	-	335	0	U	FQ	#	2.3	0
Chromium	mg/L	04/20/2010	N001	275	-	335	0.014		FQ	#	0.00051	
Lead	mg/L	04/20/2010	N001	275	-	335	0.0091		FQ	#	0.0000068	
Mercury	mg/L	04/20/2010	N001	275	-	335	0.0000097	U	FQ	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	275	-	335	0.00093	U	FQ	#	0.00093	
pH	s.u.	04/20/2010	N002	275	-	335	12.42		FQ	#		
Potassium-40	pCi/L	04/20/2010	N002	275	-	335	24.2		FQ	#	0	12
Selenium	mg/L	04/20/2010	N001	275	-	335	0.00019		FQ	#	0.000032	
Silver	mg/L	04/20/2010	N001	275	-	335	0.0011	U	FQ	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	275	-	335	6802		FQ	#		
Temperature	C	04/20/2010	N002	275	-	335	20.07		FQ	#		
Tritium	pCi/L	04/20/2010	N002	275	-	335	-81		UFQ	#	154	91.3
Turbidity	NTU	04/20/2010	N002	275	-	335	0.29		FQ	#		
Zinc	mg/L	04/20/2010	N001	275	-	335	0.012	B	FQ	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	200	-	240	0.000075		F	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	200	-	240	0.01		F	#	0.000015	
Barium	mg/L	04/20/2010	N001	200	-	240	0.1		F	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	200	-	240	0.00018	U	F	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	200	-	240	0.000012	U	F	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	200	-	240	0	U	F	#	1.9	0
Chromium	mg/L	04/20/2010	N001	200	-	240	0.00051	U	F	#	0.00051	
Lead	mg/L	04/20/2010	N001	200	-	240	0.00012		F	#	0.0000068	
Lead-212	pCi/L	04/20/2010	N002	200	-	240	2.24		UF	#	0	2.4
Mercury	mg/L	04/20/2010	N001	200	-	240	0.0000097	U	F	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	200	-	240	0.00093	U	F	#	0.00093	
pH	s.u.	04/20/2010	N002	200	-	240	8.24		F	#		
Potassium-40	pCi/L	04/20/2010	N002	200	-	240	13.3		UF	#	0	17
Selenium	mg/L	04/20/2010	N001	200	-	240	0.000032	U	F	#	0.000032	
Silver	mg/L	04/20/2010	N001	200	-	240	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	200	-	240	268		F	#		
Temperature	C	04/20/2010	N002	200	-	240	19.76		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Tritium	pCi/L	04/20/2010	N002	200	-	240	-30.4		UF	#	154	92.5
Turbidity	NTU	04/20/2010	N002	200	-	240	2.28		F	#		
Zinc	mg/L	04/20/2010	N001	200	-	240	0.0015	B	JF	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA3-11-3 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Cesium-137	pCi/L	04/22/2010	N002	736	-	839.5	0	U	F	#	2.1	0
Lead-212	pCi/L	04/22/2010	N002	736	-	839.5	3.89		F	#	0	2.8
pH	s.u.	04/22/2010	N002	736	-	839.5	7.32		F	#		
Potassium-40	pCi/L	04/22/2010	N002	736	-	839.5	10		UF	#	0	15
Specific Conductance	umhos /cm	04/22/2010	N002	736	-	839.5	5972		F	#		
Temperature	C	04/22/2010	N002	736	-	839.5	21.75		F	#		
Tritium	pCi/L	04/22/2010	N002	736	-	839.5	-10.1		UF	#	154	93
Turbidity	NTU	04/22/2010	N002	736	-	839.5	3.7		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,1-Trichloroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1,2-Trichloroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloroethene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,1-Dichloropropene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichlorobenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,3-Trichloropropane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trichlorobenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2,4-Trimethylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
1,2-Dibromoethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichlorobenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,2-Dichloropropane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3,5-Trimethylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichlorobenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,3-Dichloropropane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1,4-Dichlorobenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
1-Chlorohexane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2,2-Dichloropropane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
2-Butanone	ug/L	04/22/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
2-Chlorotoluene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
2-Hexanone	ug/L	04/22/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
4-Chlorotoluene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
4-Methyl-2-Pentanone	ug/L	04/22/2010	N001	10	-	29.5	1.7	U	F	#	1.7	
Acetone	ug/L	04/22/2010	N001	10	-	29.5	3.3	U	F	#	3.3	
Antimony	mg/L	04/22/2010	N001	10	-	29.5	0.000022	B	F	#	0.000012	
Arsenic	mg/L	04/22/2010	N001	10	-	29.5	0.00012		F	#	0.000015	
Barium	mg/L	04/22/2010	N001	10	-	29.5	0.31		F	#	0.00019	
Benzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Beryllium	mg/L	04/22/2010	N001	10	-	29.5	0.00023	B	UF	#	0.00018	
Bromobenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromochloromethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromodichloromethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromoform	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Bromomethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Cadmium	mg/L	04/22/2010	N001	10	-	29.5	0.000061		F	#	0.000012	
Carbon Disulfide	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Carbon tetrachloride	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorobenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chlorodibromomethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloroform	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Chloromethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/22/2010	N001	10	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
cis-1,3-Dichloropropene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dibromomethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Dichlorodifluoromethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Ethylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Hexachlorobutadiene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Iodomethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Isopropylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Lead	mg/L	04/22/2010	N001	10	-	29.5	0.00007		UF	#	0.0000068	
m,p-Xylene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Mercury	mg/L	04/22/2010	N001	10	-	29.5	0.0000097	U	F	#	0.0000097	
Methylene chloride	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Butylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
n-Propylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Naphthalene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Nickel	mg/L	04/22/2010	N001	10	-	29.5	0.00093	U	F	#	0.00093	
o-Xylene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
p-Isopropyltoluene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
pH	s.u.	04/22/2010	N002	10	-	29.5	5.89		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
sec-Butylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Selenium	mg/L	04/22/2010	N001	10	-	29.5	0.000046	B	F	#	0.000032	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Silver	mg/L	04/22/2010	N001	10	-	29.5	0.0011	U	F	#	0.0011	
Specific Conductance	umhos /cm	04/22/2010	N002	10	-	29.5	380		F	#		
Styrene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Temperature	C	04/22/2010	N002	10	-	29.5	17.78		F	#		
tert-Butylbenzene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tetrachloroethene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Toluene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,2-Dichloroethene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
trans-1,3-dichloropropene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichloroethene	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Trichlorofluoromethane	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Tritium	pCi/L	04/22/2010	N002	10	-	29.5	97.9		FJ	#	154	95.6
Turbidity	NTU	04/22/2010	N002	10	-	29.5	1.38		F	#		
Vinyl Acetate	ug/L	04/22/2010	N001	10	-	29.5	0.67	U	F	#	0.67	
Vinyl chloride	ug/L	04/22/2010	N001	10	-	29.5	0.17	U	F	#	0.17	
Zinc	mg/L	04/22/2010	N001	10	-	29.5	0.007	B	F	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA4-5-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	160	-	170	0.00028		FQ	#	0.000012	
Arsenic	mg/L	04/20/2010	N001	160	-	170	0.00024		FQ	#	0.000015	
Barium	mg/L	04/20/2010	N001	160	-	170	2.6		FQ	#	0.00019	
Beryllium	mg/L	04/20/2010	N001	160	-	170	0.0003	B	UFQ	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	160	-	170	0.000039		FQ	#	0.000012	
Cesium-137	pCi/L	04/20/2010	N002	160	-	170	0	U	FQ	#	1.4	0
Chromium	mg/L	04/20/2010	N001	160	-	170	0.048		FQ	#	0.00051	
Enriched Tritium	pCi/L	04/20/2010	N002	160	-	170	0.237		UFQ	#	3.68	2.24
Lead	mg/L	04/20/2010	N001	160	-	170	0.006		FQ	#	0.0000068	
Lead-214	pCi/L	04/20/2010	N002	160	-	170	4.2		FQ	#	0	1.7
Mercury	mg/L	04/20/2010	N001	160	-	170	0.0000097	U	FQ	#	0.0000097	
Nickel	mg/L	04/20/2010	N001	160	-	170	0.0011	B	FQ	#	0.00093	
pH	s.u.	04/20/2010	N002	160	-	170	12.34		FQ	#		
Potassium-40	pCi/L	04/20/2010	N002	160	-	170	36.1		FQ	#	0	8.9
Selenium	mg/L	04/20/2010	N001	160	-	170	0.00024		FQ	#	0.000032	
Silver	mg/L	04/20/2010	N001	160	-	170	0.0011	U	FQ	#	0.0011	
Specific Conductance	umhos /cm	04/20/2010	N002	160	-	170	5824		FQ	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA4-5-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Temperature	C	04/20/2010	N002	160	-	170	20.46		FQ	#		
Tritium	pCi/L	04/20/2010	N002	160	-	170	0		UFQ	#	154	93.2
Turbidity	NTU	04/20/2010	N002	160	-	170	0.98		FQ	#		
Zinc	mg/L	04/20/2010	N001	160	-	170	0.19		FQ	#	0.00072	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA5-4-4 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Cesium-137	pCi/L	04/21/2010	N002	1798.5	-	2078.4	0	U	F	#	2.1	0
pH	s.u.	04/21/2010	N002	1798.5	-	2078.4	8.42		F	#		
Specific Conductance	umhos /cm	04/21/2010	N002	1798.5	-	2078.4	7300		F	#		
Temperature	C	04/21/2010	N002	1798.5	-	2078.4	26.57		F	#		
Tritium	pCi/L	04/21/2010	N002	1798.5	-	2078.4	-47.3		UF	#	154	92.1
Turbidity	NTU	04/21/2010	N002	1798.5	-	2078.4	0.69		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: SA5-5-4 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Cesium-137	pCi/L	04/22/2010	N002	1799.5 - 2040.1	0	U	F	#	2.3	0
pH	s.u.	04/22/2010	N002	1799.5 - 2040.1	8.55		F	#		
Specific Conductance	umhos /cm	04/22/2010	N002	1799.5 - 2040.1	3676		F	#		
Temperature	C	04/22/2010	N002	1799.5 - 2040.1	27.7		F	#		
Tritium	pCi/L	04/22/2010	N002	1799.5 - 2040.1	47.3		UF	#	154	94.4
Turbidity	NTU	04/22/2010	N002	1799.5 - 2040.1	4.58		F	#		

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X,Y,Z Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- G Possible grout contamination, pH > 9.
- Q Qualitative result due to sampling technique.
- X Location is undefined.
- J Estimated value.
- R Unusable result.

QA QUALIFIER:
- # Validated according to quality assurance guidelines.

Surface Water Quality Data

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Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Grantham Ck Entry SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000018	B		#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00038			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.027			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.0002	B		#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000012	U		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.00051	U		#	0.00051	
Lead	mg/L	04/21/2010	N001	0.00019			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.0000097	U		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.000047	B		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.001	B		#	0.00072	
Cesium-137	pCi/L	04/21/2010	N002	0	U		#	2.1	0
pH	s.u.	04/21/2010	N002	6.14			#		
Specific Conductance	umhos/cm	04/21/2010	N002	21			#		
Temperature	C	04/21/2010	N002	19.5			#		
Thallium-208	pCi/L	04/21/2010	N002	1.5			#	0	1.4
Tritium	pCi/L	04/21/2010	N002	20.4		U	#	153	93.6
Turbidity	NTU	04/21/2010	N002	2.66			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HALFMOON CREEK SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000018	B		#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00031			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.028			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.00022	B		#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000012	U		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.001	B		#	0.00051	
Lead	mg/L	04/21/2010	N001	0.00024			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.000011	B		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.0016	B		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.000068	B		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.0015	B	J	#	0.00072	
Cesium-137	pCi/L	04/21/2010	N002	0	U		#	2.1	0
pH	s.u.	04/21/2010	N002	6.57			#		
Specific Conductance	umhos/cm	04/21/2010	N002	19			#		
Temperature	C	04/21/2010	N002	17.35			#		
Tritium	pCi/L	04/21/2010	N002	23.8		U	#	153	93.7
Turbidity	NTU	04/21/2010	N002	3.4			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HALFMOONCRKOVERFLOW SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	0001	0.000036	B		#	0.000023	
Arsenic	mg/L	04/21/2010	0001	0.0016			#	0.00003	
Barium	mg/L	04/21/2010	0001	0.098			#	0.00019	
Beryllium	mg/L	04/21/2010	0001	0.00034	B	U	#	0.00018	
Cadmium	mg/L	04/21/2010	0001	0.000023	U		#	0.000023	
Chromium	mg/L	04/21/2010	0001	0.0044			#	0.00051	
Lead	mg/L	04/21/2010	0001	0.0004			#	0.000014	
Mercury	mg/L	04/21/2010	0001	0.00002	B		#	0.0000097	
Nickel	mg/L	04/21/2010	0001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	0001	0.00026			#	0.000065	
Silver	mg/L	04/21/2010	0001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	0001	0.00072	U		#	0.00072	
Cesium-137	pCi/L	04/21/2010	0002	0	U		#	1.1	0
pH	s.u.	04/21/2010	0002	6.18			#		
Specific Conductance	umhos/cm	04/21/2010	0002	215			#		
Temperature	C	04/21/2010	0002	18.77			#		
Tritium	pCi/L	04/21/2010	0002	50.9		U	#	153	94.3
Turbidity	NTU	04/21/2010	0002	15.8			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Half Moon Ck Entry SURFACE LOCATION Half Moon Creek Entry

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000014	B		#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00021			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.031			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.00022	B		#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000012	U		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.00071	B		#	0.00051	
Lead	mg/L	04/21/2010	N001	0.00031			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.0000097	U		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.000066	B		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.00072	U		#	0.00072	
Cesium-137	pCi/L	04/21/2010	N002	0	U		#	1.3	0
pH	s.u.	04/21/2010	N002	7.02			#		
Specific Conductance	umhos/cm	04/21/2010	N002	20			#		
Temperature	C	04/21/2010	N002	17.74			#		
Tritium	pCi/L	04/21/2010	N002	-43.9		U	#	154	92.2
Turbidity	NTU	04/21/2010	N002	4.22			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Half Moon Ck Exit SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000014	B		#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00029			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.028			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.00026	B		#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000012	U		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.00075	B		#	0.00051	
Lead	mg/L	04/21/2010	N001	0.00023			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.0000097	U		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.000062	B		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.00072	U		#	0.00072	
Cesium-137	pCi/L	04/21/2010	N002	0	U		#	1.7	0
Lead-212	pCi/L	04/21/2010	N002	1.81			#	0	1.8
pH	s.u.	04/21/2010	N002	6.25			#		
Specific Conductance	umhos/cm	04/21/2010	N002	19			#		
Temperature	C	04/21/2010	N002	17.41			#		
Tritium	pCi/L	04/21/2010	N002	10.2		U	#	153	93.3
Turbidity	NTU	04/21/2010	N002	3.6			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Hick Hollow Ck Entry SURFACE LOCATION Hickory Hollow Creek Entry

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000019	B		#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00017			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.02	B		#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.00018	U		#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000012	U		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.00051	U		#	0.00051	
Lead	mg/L	04/21/2010	N001	0.0001			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.0000097	U		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.000032	U		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.0011	B	J	#	0.00072	
Bismuth-212	pCi/L	04/21/2010	N002	19.1			#	0	14
Bismuth-214	pCi/L	04/21/2010	N002	34.9			#	0	4.8
Cesium-137	pCi/L	04/21/2010	N002	0	U		#	2	0
Lead-212	pCi/L	04/21/2010	N002	3.49			#	0	2
Lead-214	pCi/L	04/21/2010	N002	13.2			#	0	2.8

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Hick Hollow Ck Entry SURFACE LOCATION Hickory Hollow Creek Entry

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	04/21/2010	N002	5.96			#		
Potassium-40	pCi/L	04/21/2010	N002	55.8			#	0	12
Radium-228	pCi/L	04/21/2010	N002	26.8			#	0	4.4
Specific Conductance	umhos/cm	04/21/2010	N002	16			#		
Temperature	C	04/21/2010	N002	15.9			#		
Thallium-208	pCi/L	04/21/2010	N002	4.54			#	0	1.3
Tritium	pCi/L	04/21/2010	N002	-10.1		U	#	154	93
Turbidity	NTU	04/21/2010	N002	1.52			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HickHCrTSD-East SURFACE LOCATION Replaced proposed Hick Hollow Ck Entry sample location due to problems with access.

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000016	B		#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00016			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.022			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.00018	U		#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000012	U		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.00051	U		#	0.00051	
Lead	mg/L	04/21/2010	N001	0.000087			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.0000097	U		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.000038	B		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.0013	B	J	#	0.00072	
Antimony	mg/L	04/21/2010	N002	0.000012	U		#	0.000012	
Arsenic	mg/L	04/21/2010	N002	0.00014			#	0.000015	
Barium	mg/L	04/21/2010	N002	0.023			#	0.00019	
Beryllium	mg/L	04/21/2010	N002	0.00018	U		#	0.00018	
Cadmium	mg/L	04/21/2010	N002	0.000012	U		#	0.000012	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: HickHCrTSD-East SURFACE LOCATION Replaced proposed Hick Hollow Ck Entry sample location due to problems with access.

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chromium	mg/L	04/21/2010	N002	0.00051	U		#	0.00051	
Lead	mg/L	04/21/2010	N002	0.00009			#	0.0000068	
Mercury	mg/L	04/21/2010	N002	0.0000097	U		#	0.0000097	
Nickel	mg/L	04/21/2010	N002	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N002	0.000055	B		#	0.000032	
Silver	mg/L	04/21/2010	N002	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N002	0.0021	B		#	0.00072	
Cesium-137	pCi/L	04/21/2010	N003	0	U		#	2.3	0
pH	s.u.	04/21/2010	N003	5.81			#		
Specific Conductance	umhos/cm	04/21/2010	N003	20			#		
Temperature	C	04/21/2010	N003	17.05			#		
Tritium	pCi/L	04/21/2010	N003	6.79		U	#	153	93.2
Turbidity	NTU	04/21/2010	N003	0.89			#		
Cesium-137	pCi/L	04/20/2010	N004	0	U		#	2.3	0
Tritium	pCi/L	04/20/2010	N004	-30.4		U	#	154	92.5

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Pond West of GZ SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/20/2010	N001	0.000056			#	0.000012	
Arsenic	mg/L	04/20/2010	N001	0.0017			#	0.000015	
Barium	mg/L	04/20/2010	N001	0.068			#	0.00019	
Beryllium	mg/L	04/20/2010	N001	0.00032	B	U	#	0.00018	
Cadmium	mg/L	04/20/2010	N001	0.000012	B		#	0.000012	
Chromium	mg/L	04/20/2010	N001	0.0024		U	#	0.00051	
Lead	mg/L	04/20/2010	N001	0.00045			#	0.0000068	
Mercury	mg/L	04/20/2010	N001	0.000012	B		#	0.0000097	
Nickel	mg/L	04/20/2010	N001	0.0011	B		#	0.00093	
Selenium	mg/L	04/20/2010	N001	0.00024			#	0.000032	
Silver	mg/L	04/20/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/20/2010	N001	0.0053	B		#	0.00072	
Cesium-137	pCi/L	04/20/2010	N002	0	U		#	2.2	0
Enriched Tritium	pCi/L	04/20/2010	N002	13.2			#	3.58	2.46
pH	s.u.	04/20/2010	N002	7.64			#		
Specific Conductance	umhos/cm	04/20/2010	N002	84			#		
Temperature	C	04/20/2010	N002	23.95			#		
Tritium	pCi/L	04/20/2010	N002	-20.4		U	#	153	92.6
Turbidity	NTU	04/20/2010	N002	7.98			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Reeco Pit (A) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000036			#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00039			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.027			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.0003	B	U	#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000012	U		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.0014	B	U	#	0.00051	
Lead	mg/L	04/21/2010	N001	0.00026			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.000012	B		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.00007	B		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.0027	B		#	0.00072	
pH	s.u.	04/21/2010	N002	5.78			#		
Specific Conductance	umhos/cm	04/21/2010	N002	38			#		
Temperature	C	04/21/2010	N002	17.89			#		
Tritium	pCi/L	04/21/2010	N002	17		U	#	153	93.5
Turbidity	NTU	04/21/2010	N002	8.14			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Reeco Pit (B) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.00004			#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00062			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.035			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.00034	B	U	#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000023	B		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.0021		U	#	0.00051	
Lead	mg/L	04/21/2010	N001	0.00056			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.000014	B		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.00015			#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.011	B		#	0.00072	
Enriched Tritium	pCi/L	04/21/2010	N002	40.4			#	3.83	3.13
pH	s.u.	04/21/2010	N002	6.75			#		
Specific Conductance	umhos/cm	04/21/2010	N002	154			#		
Temperature	C	04/21/2010	N002	17.75			#		
Tritium	pCi/L	04/21/2010	N002	-37.3		U	#	153	92.2
Turbidity	NTU	04/21/2010	N002	7.99			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010
Location: Reeco Pit (C) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Antimony	mg/L	04/21/2010	N001	0.000032			#	0.000012	
Arsenic	mg/L	04/21/2010	N001	0.00051			#	0.000015	
Barium	mg/L	04/21/2010	N001	0.036			#	0.00019	
Beryllium	mg/L	04/21/2010	N001	0.0004	B	U	#	0.00018	
Cadmium	mg/L	04/21/2010	N001	0.000016	B		#	0.000012	
Chromium	mg/L	04/21/2010	N001	0.0018	B	U	#	0.00051	
Lead	mg/L	04/21/2010	N001	0.00031			#	0.0000068	
Mercury	mg/L	04/21/2010	N001	0.000011	B		#	0.0000097	
Nickel	mg/L	04/21/2010	N001	0.00093	U		#	0.00093	
Selenium	mg/L	04/21/2010	N001	0.000063	B		#	0.000032	
Silver	mg/L	04/21/2010	N001	0.0011	U		#	0.0011	
Zinc	mg/L	04/21/2010	N001	0.0033	B		#	0.00072	
pH	s.u.	04/21/2010	N002	6.88			#		
Specific Conductance	umhos/cm	04/21/2010	N002	175			#		
Temperature	C	04/21/2010	N002	17.35			#		
Tritium	pCi/L	04/21/2010	N002	47.5		U	#	153	94.2
Turbidity	NTU	04/21/2010	N002	8.1			#		

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F Low flow sampling method used.	G Possible grout contamination, pH > 9.	J Estimated value.
L Less than 3 bore volumes purged prior to sampling.	Q Qualitative result due to sampling technique.	R Unusable result.
U Parameter analyzed for but was not detected.	X Location is undefined.	

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Trip Blank Data

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BLANKS REPORT
LAB: PARAGON/ALS LABORATORY GROUP (Fort Collins, CO)
RIN: 10042969
Report Date: 10/27/2010

Parameter	Site Code	Location ID	Sample Date	ID	Units	Result	Qualifiers Lab	Qualifiers Data	Detection Limit	Uncertainty	Sample Type
1,1,1,2-Tetrachloroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,1,1-Trichloroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,1,2,2-Tetrachloroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,1,2-Trichloro-1,2,2-trifluoroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,1,2-Trichloroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,1-Dichloroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,1-Dichloroethene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,1-Dichloropropene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2,3-Trichlorobenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2,3-Trichloropropane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2,4-Trichlorobenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2,4-Trimethylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2-Dibromo-3-chloropropane	SAL01	0999	04/20/2010	N001	ug/L	0.67	U		0.67		TB
1,2-Dibromoethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2-Dichlorobenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2-Dichloroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,2-Dichloropropane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,3,5-Trimethylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB

BLANKS REPORT
LAB: PARAGON/ALS LABORATORY GROUP (Fort Collins, CO)
RIN: 10042969
Report Date: 10/27/2010

Parameter	Site Code	Location ID	Sample Date	ID	Units	Result	Qualifiers Lab	Qualifiers Data	Detection Limit	Uncertainty	Sample Type
1,3-Dichlorobenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,3-Dichloropropane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1,4-Dichlorobenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
1-Chlorohexane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
2,2-Dichloropropane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
2-Butanone	SAL01	0999	04/20/2010	N001	ug/L	1.7	U		1.7		TB
2-Chlorotoluene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
2-Hexanone	SAL01	0999	04/20/2010	N001	ug/L	1.7	U		1.7		TB
4-Chlorotoluene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
4-Methyl-2-Pentanone	SAL01	0999	04/20/2010	N001	ug/L	1.7	U		1.7		TB
Acetone	SAL01	0999	04/20/2010	N001	ug/L	3.3	U		3.3		TB
Benzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Bromobenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Bromochloromethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Bromodichloromethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Bromoform	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Bromomethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Carbon Disulfide	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB

BLANKS REPORT
LAB: PARAGON/ALS LABORATORY GROUP (Fort Collins, CO)
RIN: 10042969
Report Date: 10/27/2010

Parameter	Site Code	Location ID	Sample Date	ID	Units	Result	Qualifiers Lab	Qualifiers Data	Detection Limit	Uncertainty	Sample Type
Carbon tetrachloride	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Chlorobenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Chlorodibromomethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Chloroethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Chloroform	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Chloromethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
cis-1,2-Dichloroethene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
cis-1,3-Dichloropropene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Dibromomethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Dichlorodifluoromethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Ethylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Hexachlorobutadiene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Iodomethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Isopropylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
m,p-Xylene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Methylene chloride	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
n-Butylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
n-Propylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB

BLANKS REPORT
LAB: PARAGON/ALS LABORATORY GROUP (Fort Collins, CO)
RIN: 10042969
Report Date: 10/27/2010

Parameter	Site Code	Location ID	Sample Date	ID	Units	Result	Qualifiers Lab	Qualifiers Data	Detection Limit	Uncertainty	Sample Type
Naphthalene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
o-Xylene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
p-Isopropyltoluene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Propane, 2-methoxy-2-methyl-	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
sec-Butylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Styrene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
tert-Butylbenzene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Tetrachloroethene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Toluene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
trans-1,2-Dichloroethene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
trans-1,3-dichloropropene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Trichloroethene	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Trichlorofluoromethane	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB
Vinyl Acetate	SAL01	0999	04/20/2010	N001	ug/L	0.67	U		0.67		TB
Vinyl chloride	SAL01	0999	04/20/2010	N001	ug/L	0.17	U		0.17		TB

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

SAMPLE TYPES:

E	Equipment Blank.

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Static Water Level Data

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STATIC WATER LEVELS (USEE700) FOR SITE SAL01, Salmon Site
REPORT DATE: 10/27/2010

Location Code	Top of Casing Elevation (Ft)	Measurement Date	Measurement Time	Depth From Top of Casing (Ft)	Water Elevation (Ft)
E-7	260.43	04/22/2010	12:06:24	139.26	121.17
HM-1	243.56	04/21/2010	10:46:08	96.7	146.86
HM-2A	243.54	04/20/2010	12:37:33	115.51	128.03
HM-2B	243.48	04/21/2010	12:54:54	125.05	118.43
HM-3	243.62	04/20/2010	14:40:37	122.03	121.59
HM-L	244.02	04/20/2010	18:22:34	90.94	153.08
HM-L2	253.73	04/20/2010	15:45:35	97.57	156.16
HM-S	244.4	04/20/2010	16:15:07	8.92	235.48
HMH-16R	243.56	04/20/2010	17:30:24	6.34	237.22
HMH-5R	239.45	04/22/2010	11:20:34	5.43	234.02
SA1-1-H	242.3	04/20/2010	10:08:50	7.24	235.06
SA1-11-3	250.06	04/20/2010	10:10:36	131.2	118.86
SA1-12-H	241.43	04/22/2010	09:45:29	7.94	233.49
SA1-2-H	243.08	04/20/2010	11:16:46	7.93	235.15
SA1-3-H	241.97	04/21/2010	16:45:12	6.84	235.13
SA1-4-H	242.17	04/21/2010	15:05:36	6.35	235.82
SA1-5-H	243.53	04/21/2010	14:16:54	7.53	236
SA1-6-H	241.97	04/22/2010	10:45:51	5.99	235.98
SA1-7-H	243.08	04/21/2010	17:53:43	6.74	236.34
SA1-8-L	251.44	04/20/2010	11:00:18	94.18	157.26
SA2-1-L	335.69	04/20/2010	14:25:25	178.32	157.37
SA2-2-L	325.73	04/20/2010	13:25:20	168.29	157.44
SA2-4-L	290.6	04/20/2010	12:30:00	132.88	157.72
SA3-11-3	253.44	04/22/2010	14:31:40	135.45	117.99
SA3-4-H	242.3	04/22/2010	10:18:41	5.68	236.62
SA4-5-L	267.96	04/20/2010	16:30:04	112.35	155.61
SA5-4-4	301.48	04/21/2010	15:46:13	164.82	136.66
SA5-5-4	301.04	04/22/2010	14:55:01	162.43	138.61

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Time-Concentration Graphs

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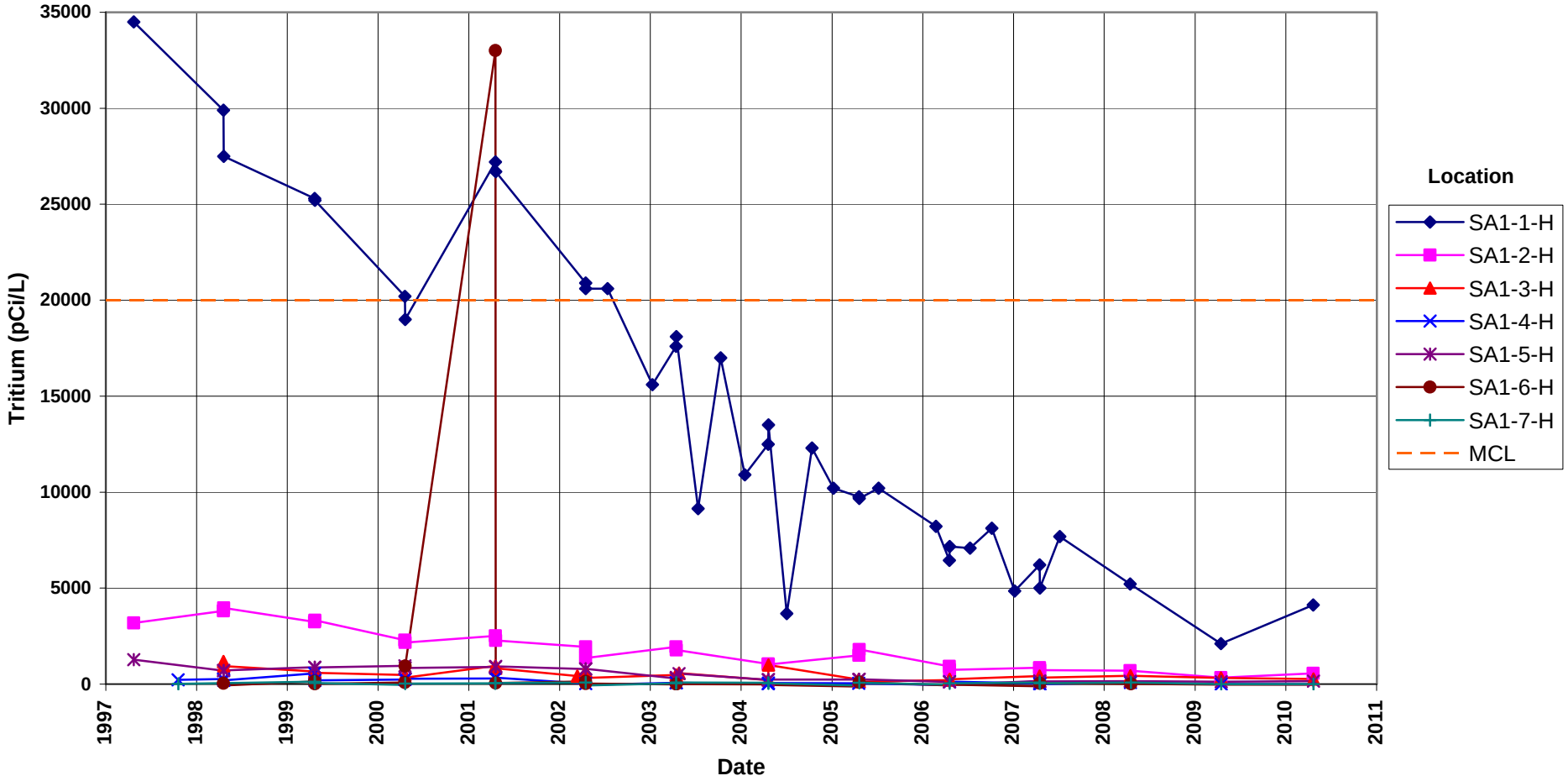
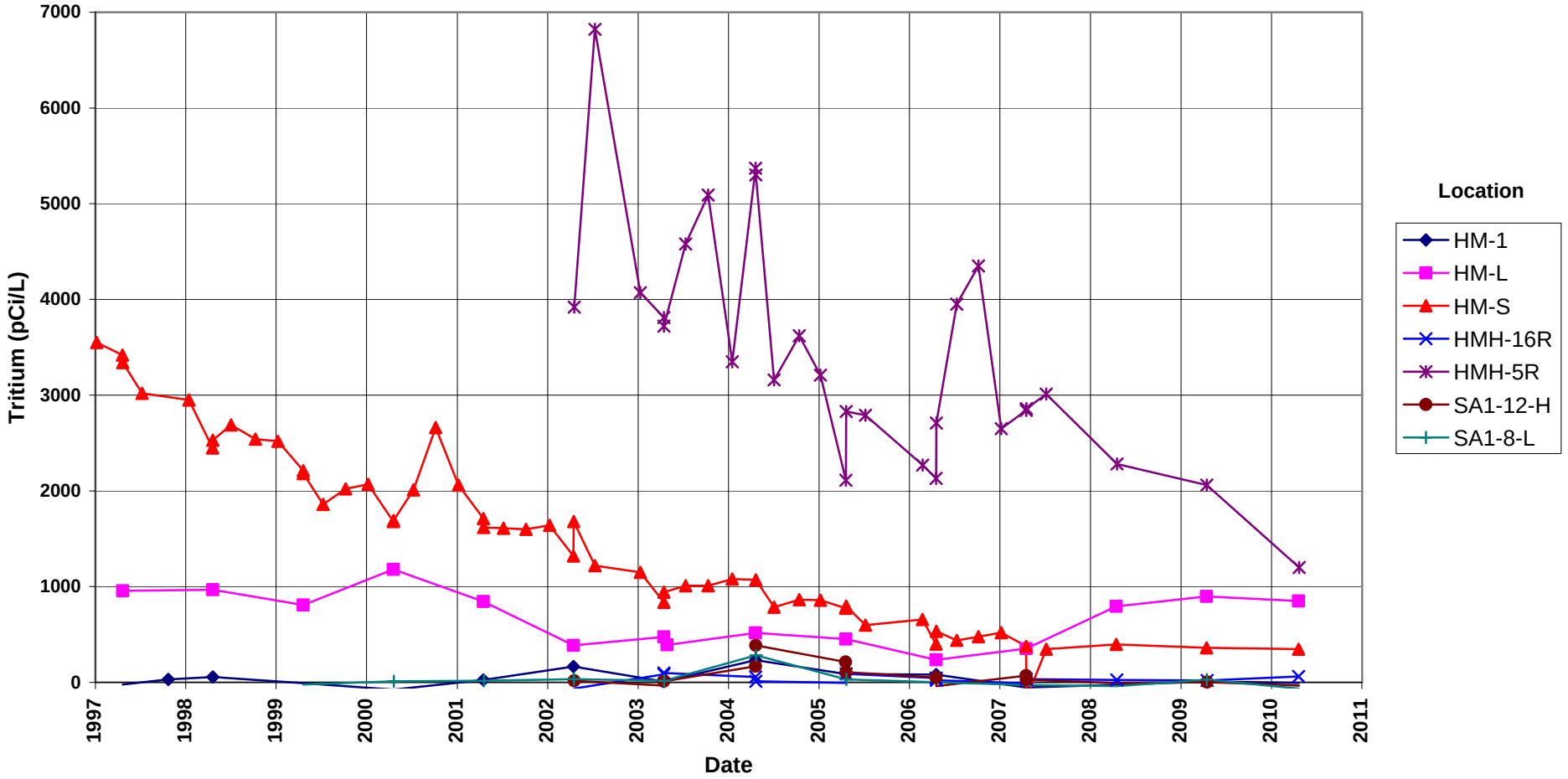
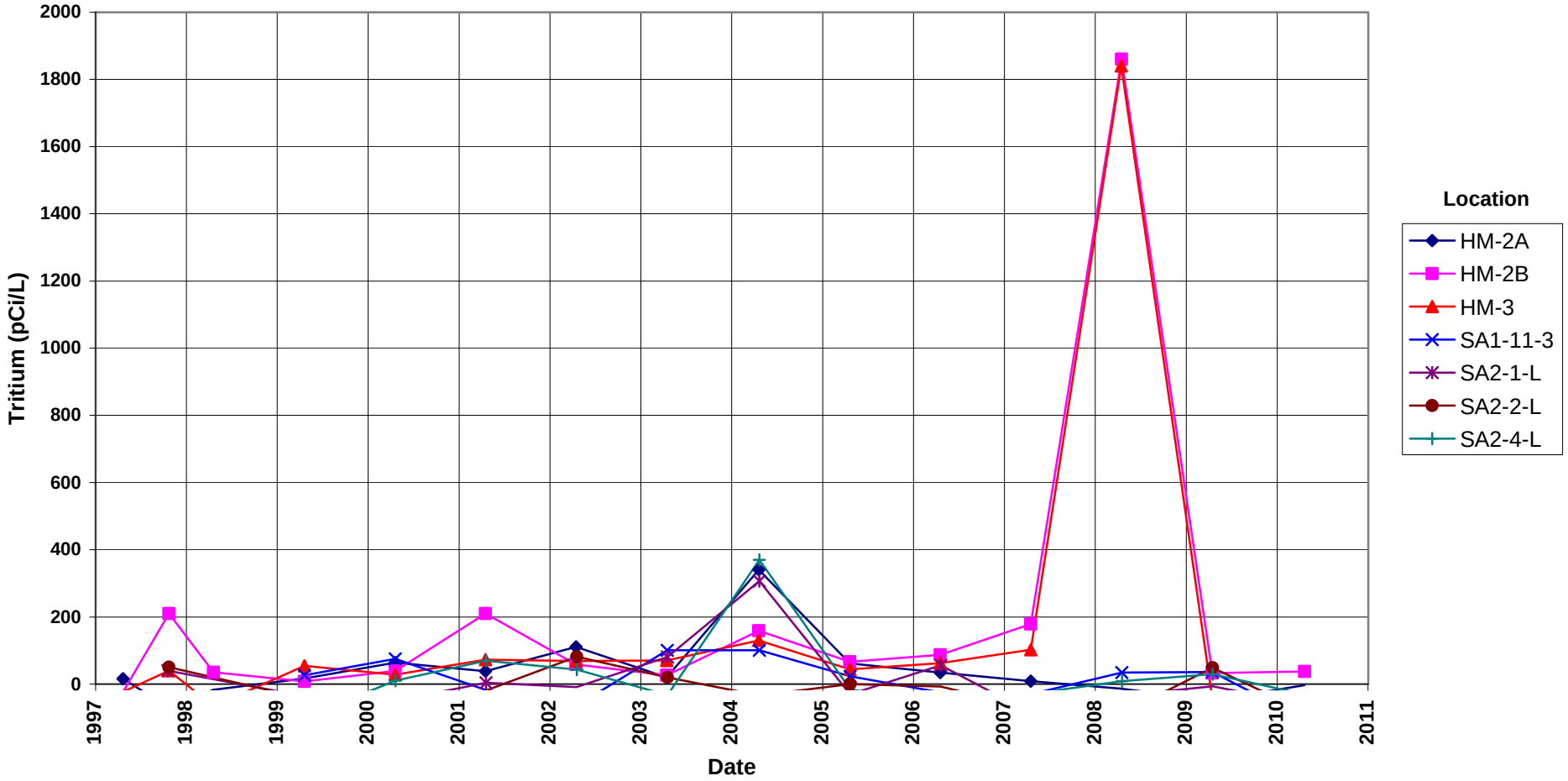

Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 pCi/L
Tritium (pCi/L)
35000
30000
25000
20000
15000
10000
5000
0
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
Date
Location
SA1-1-H
SA1-2-H
SA1-3-H
SA1-4-H
SA1-5-H
SA1-6-H
SA1-7-H
MCL

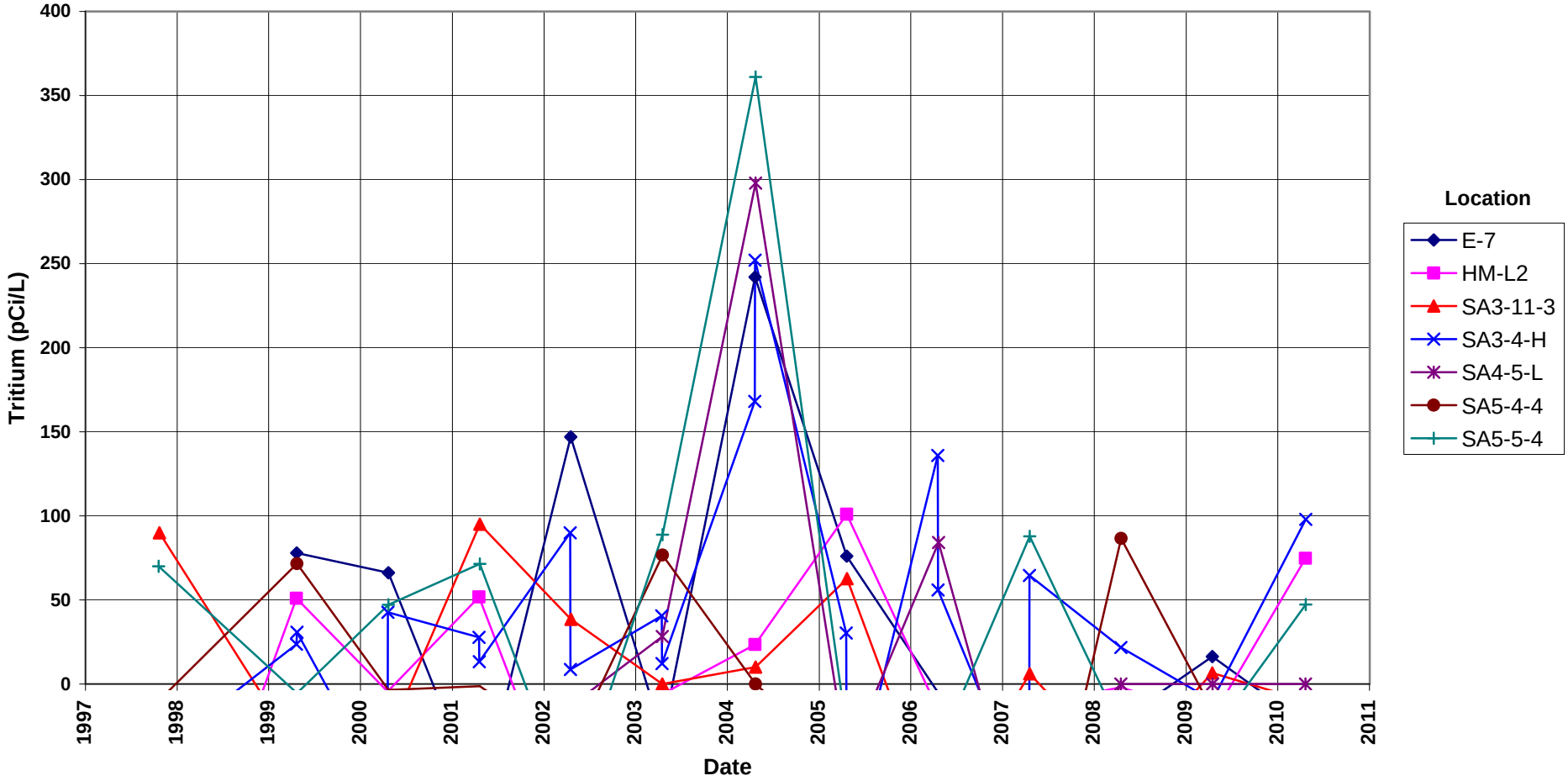
Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 pCi/L



Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 pCi/L



Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 pCi/L



Attachment 3
Sampling and Analysis Work Order

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Stoller established 1959

Task Order LM00-502
Control Number 10-0485

March 25, 2010

U.S. Department of Energy
Office of Legacy Management
ATTN: Jack Craig
99 Research Park Rd.
Morgantown, WV

SUBJECT: Contract No. DE-AM01-07LM00060, Stoller
April 2010 Environmental Sampling at Salmon, Mississippi

REFERENCE: Task Order LM00-502-07-620, Salmon, MS

Dear Mr. Craig:

The purpose of this letter is to inform you that the previous letter of March 18, 2010 of the upcoming sampling event at Salmon, Mississippi, provided the incorrect information concerning the 1004SAL-analytes. Please disregard that letter. Enclosed are the correct 2010 tables specifying sample locations and analytes for monitoring at the Salmon site. Water quality data will be collected at this site as part of the routine environmental sampling scheduled to begin the week of April 19, 2010.

The following lists show the well and surface locations scheduled for sampling during this event.

Monitoring Wells

SA1-1-H	SA1-5-H	HMH-5R	HM-L	HM-3	SA2-4-L	HM-L2
SA1-2-H	SA1-6-H	HMH-16R	HM-1	SA1-11-3	SA3-4-H	SA4-5-L
SA1-3-H	SA1-7-H	HM-S	HM-2A	SA2-1-L	E-7	SA5-4-4
SA1-4-H	SA1-12-H	SA1-8-L	HM-2B	SA2-2-L	SA3-11-3	SA5-5-4

Surface Water

Halfmoon Creek	Pond west of GZ	REECo Pit (B)	Hick Hollow Ck Entry
HalfmoonCrkOverflow	REECo Pit (A)	REECo Pit (C)	HickHCrTSD-East
Half Moon Ck Entry	Half Moon Ck Exit	Grantham Ck Entry	

All samples will be collected as directed in the *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management*.

Please call me at (970) 248-7647 if you have any questions.

The S.M. Stoller Corporation 2597 B¾ Road Grand Junction, Colorado 81503 (970) 248-6601 Fax: (970) 248-7636

Sincerely,

Jack Duray
Site Lead

JD/lcg/dc

Enclosures (3)

cc: (electronic)
Cheri Bahrke, Stoller
Steve Donivan, Stoller
Bev Gallagher, Stoller
Lauren Goodknight, Stoller
Rick Hutton, Stoller
Jack Duray, Stoller
rc-grand.junction

Sampling Frequencies for Locations at Salmon, Mississippi

Location ID	Quarterly	Semiannually	Annually	Biennially	Not Sampled	Notes
Monitoring Wells						
On-Site						
Source Area 1						
SA1-1-H			X			
SA1-2-H			X			
SA1-3-H			X			
SA1-4-H			X			
SA1-5-H			X			
SA1-6-H			X			
SA1-7-H			X			
SA1-12-H			X			
HMH-5R			X			
HMH-16R			X			
HM-S			X			
SA1-8-L			X			
HM-L			X			
HM-1			X			
HM-2A			X			
HM-2B			X			
HM-3			X			
SA1-11-3			X			
Source Area 2						
SA2-1-L			X			
SA2-2-L			X			
SA2-4-L			X			
Source Area 3						
SA3-4-H			X			
E-7			X			
SA3-11-3			X			
Source Area 4						
HM-L2			X			
SA4-5-L			X			
Source Area 5						
SA5-4-4			X			
SA5-5-4			X			
Surface Locations						
On-Site						
HALFMOON CREEK			X			
HALFMOONCRKOVERFLOW			X			
Pond west of GZ			X			
REECo Pit (A)			X			
REECo Pit (B)			X			
REECo Pit (C)			X			
Grantham Ck Entry			X			
Half Moon Ck Entry			X			
Hick Hollow Ck Entry			X			
Half Moon Ck Exit			X			
Off-Site						
HickHCrTSD-East			X			Hickory Hollow Creek where it exits under the east side of Tatum Salt dome road

Constituent Sampling Breakdown

Site	Salmon				
Analyte	Groundwater	Surface Water	Required Detection Limit (mg/L)	Analytical Method	Line Item Code
Approx. No. Samples/yr	28	11			
Field Measurements					
Alkalinity					
Dissolved Oxygen					
Redox Potential					
pH	X	X			
Specific Conductance	X	X			
Turbidity					
Temperature	X	X			
Laboratory Measurements					
Ammonia as N (NH3-N)					
Antimony	Selected wells only	Selected locations only	0.003	SW-846 6020	LMM-02
Arsenic	Selected wells only	Selected locations only	0.0001	SW-846 6020	LMM-02
Barium	Selected wells only	Selected locations only	0.1	SW-846 6010	LMM-01
Beryllium	Selected wells only	Selected locations only	0.0008	SW-846 6010	LMM-01
Cadmium	Selected wells only	Selected locations only	0.001	SW-846 6020	LMM-02
Calcium					
Chromium	Selected wells only	Selected locations only	0.002	SW-846 6010	LMM-01
Gamma Spec	Selected wells only	Selected locations only	10 pCi/L	Gamma Spectrometry	GAM-A-001
Iron					
Lead	Selected wells only	Selected locations only	0.002	SW-846 6020	LMM-02
Manganese					
Mercury	Selected wells only	Selected locations only	0.0001	SW-846 7470	LMM-01
Molybdenum					
Nickel	Selected wells only	Selected locations only	0.02	SW-846 6010	LMM-01
Potassium					
Selenium	Selected wells only	Selected locations only	0.0001	SW-846 6020	LMM-02
Silver	Selected wells only	Selected locations only	0.001	SW-846 6020	LMM-02
Sodium					
Tritium	X	X	400 pCi/L	Liquid Scintillation	LSC-A-001
Tritium, enriched	25% of the samples	25% of the samples	10 pCi/L	Liquid Scintillation	LMR-15
Uranium					
VOCs	Selected wells only		0.001	SW-846 8260, Low Level	LMV-05
Zinc	Selected wells only	Selected locations only	0.02	SW-846 6010	LMM-01
Total No. of Analytes	16	15			

Note: All analyte samples are considered unfiltered unless stated otherwise. All private well samples are to be unfiltered. The total number of analytes does not include field parameters.

2010
SALMON

Source Area	Sample Analytes			
Name	VOC	Metals[a]	Gamma Spec[c]	Water Level[c,d]
Source Area 1				
SA1-1-H	X*	X		WL
SA1-2-H	X*	X		WL
SA1-3-H	X*	X		WL
SA1-4-H	X*	X		WL
SA1-5-H	X*	X		WL
SA 1-6-H	X*	X		WL
SA1-7-H	X*	X		WL
SA1-12-H	X*	X		WL
HMH-5R	X*	X		WL
HMH-16R	X*	X		WL
HM-S	X*	X	X	WL
SA1-8-L		X	X	WL
HM-L		X	X	WL
HM-1			X	WL
HM-2A			X	WL
HM-2B			X	WL
HM-3		X*	X*	WL
SA1-11-3			X*	WL
Source Area 2				
SA2-1-L		X	X	WL
SA2-2-L		X	X	WL
SA2-4-L		X	X	WL
Source Area 3				
SA3-4-H	X*	X		WL
E-7	X*		X*	
SA3-11-3			X*	WL
Source Area 4				
HM-L2		X	X	WL
SA4-5-L		X	X	WL
Source Area 5[e]				
SA5-4-4			X*	WL
SA5-5-4			X*	WL
Surface				
HALFMOON CREEK		X	X	
HALFMOONCRKOVERFLOW		X	X	
Pond west of GZ		X	X	
REECo Pit (A)		X		
REECo Pit (B)		X		
REECo Pit (C)		X		
Grantham Ck Entry		X	X	
Half Moon Ck Entry		X	X	
Hick Hollow Ck Entry		X	X	
Half Moon Ck Exit		X	X	
HHCreek @ TatumDomeRd		X	X	

Sample annually; the state will measure water levels during the winter, summer, and fall quarters.
All wells, except the two in SA5, have bladder pumps.
Pumps in the two wells in SA5 are electric. Electric pumps require control boxes.
Collect WLs in all wells.
Read data loggers is all wells ending in "L" except SA2-1-L.
*Sample is required by SCR/LTS
[a] RCRA metals plus antimony, beryllium, nickel, and zinc.
[b] 25% of tritium samples should be analyzed by the enriched tritium method.
[c] Measure water level from surveyor's mark on the well casing.
[d] Purge each well one-wellbore volume before sampling (Directive SAL-2008-1).
[e] Purge each well one-wellbore volume before sampling (Directive SAL-2008-1).

Attachment 4
Trip Report

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Stoller
established 1959
Grand Junction Office

Memorandum

DATE: May 11, 2010

TO: Jack Duray

FROM: Jeff Walters

SUBJECT: Sampling Trip Report

Site: Salmon, MS

Dates of Sampling Event: April 19–23, 2010

Team Members: Gretchen Baer, Jeff Walters, Tom Welton, and Tim Zirbes

Number of Locations Sampled: Groundwater samples were collected from 28 monitoring wells on site. Surface water samples were collected from 11 locations on and off site. All locations are identified on the sampling notification letter.

Note: During the water sampling event, confirmatory Tree Wood Sampling (RIN 10042981) was performed by Mark Plessinger and Dave Traub. Mark will generate a trip report for that event.

Locations Not Sampled/Reason: All locations were sampled.

Location Specific Information:

- Purge water from SA1–3–H, SA4–5–L, and HM–3 was contained, mixed, and discarded on site per email from D. DePinho on April 6, 2010, and the spreadsheet "SAL_Contam_Well_Purge_Vols_Apr10.xls"
- Purge water from HMH–5R was contained and shipped back to Grand Junction for aeration in the Environmental Sciences Laboratory. That water was aerated for 30 minutes to remove the volatiles then disposed of in the sanitary sewer per email from D. DePinho on April 6, 2010, and the spreadsheet "SAL_Contam_Well_Purge_Vols_Apr10.xls".
- The purging stability requirements for this site require groundwater samples to be filtered when the final turbidity reading is >100 NTU. No groundwater samples for this event had to be filtered. The turbidity reading at one surface water location (HALFMOONCRKOVERFLOW) was >10 NTU; the sample collected at this location was filtered as required by the *Sampling and Analysis Plan for U.S. Department of energy Office of Legacy Management sites* (SAP).

Quality Control Sample Cross Reference: The following are the false identifications assigned to the quality control samples:

False Id	True Id	Sample Type	Associated Matrix	Ticket Number	Lab
2589	HM–S	Duplicate	Groundwater	IFZ 862	EPA
2590	HickHCrTSD–East	Duplicate	Surface water	IFZ 863	EPA
2592	------	Trip Blank	Water	IFZ 820	ALS
2594	HM–S	Duplicate	Groundwater	IFZ 821	ALS
2595	HickHCrTSD–East	Duplicate	Surface water	IFZ 822	ALS

RIN Numbers Assigned: Samples shipped to ALS Laboratory Group were assigned to RIN 10042969. Samples shipped to the Environmental Protection Agency were assigned to RIN 10042970.

Sample Shipment: Samples for metals and VOAs were shipped to ALS Laboratory Group. Samples for gamma spec, tritium, and enriched tritium were shipped to the Environmental Protection Agency laboratory. All samples were shipped via Federal Express on April 23, 2010.

Well Inspection Summary: All wells were inspected during sampling. No issues were observed. Although a program directive allows unfiltered samples to be collected with turbidities up to 100 NTUs, wells with turbidities greater than 10 NTUs should be considered for redevelopment when the low flow sampling procedure is used.

Equipment: All equipment functioned properly. Wells were sampled using dedicated bladder pumps or dedicated submersible Grundfos electric pumps. All surface water samples were collected by container immersion. Because all equipment was dedicated, equipment blanks were not required.

Water Level Measurements: Water levels were measured in all wells on April 19, 2010, recorded on two PDAs, and then uploaded into the SMS directory (SMS\FDCS\WATER LEVELS).

Field Variance: One set of field parameters was collected at well SA5–5–4, rather than three.

Institutional Controls:

Fences, Gates, and Locks: All gates were locked and in good condition.
Signs: No issues observed.
Trespassing/Site Disturbances: No issues observed. Rusty nails that appear to be from last year's trespassing were still being picked up from the roadway toward the Tatum Salt Dome Road entrance.

Site Issues:

Disposal Cell/Drainage Structure Integrity: N/A
Vegetation/Noxious Weed Concerns: A subcontractor sprayed cogongrass with herbicide in three locations as shown on the site map.
Maintenance Requirements: None.
Safety Issues: None.

Corrective Action Required/Taken: None.

(JW/lcg)

cc: (electronic)
Jack Craig, DOE
Darlene DePinho, Stoller
Steve Donivan, Stoller
Rick Hutton, Stoller
Jeff Walters, Stoller
Tom Welton, Stoller
Tim Zirbes, Stoller
EDD Delivery

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