QUARTERLY GROUNDWATER MONITORING REPORT

Second Quarter of 2017

Lake Chelan Boat Company

1418 West Woodin Avenue, Chelan, WA 98816

VCP Project No. CE0410

Antea®Group Project No. STCG-422-2
August 25, 2017

Prepared for:
Lake Chelan Boat Company
Mr. Jack Raines
1418 West Woodin Avenue
Chelan, WA 98816

Prepared by:
Antea Group
4006 148th Avenue NE
Redmond, WA 98052
800 477 7411

Antea USA, Inc.
4006 148th Avenue NE
Redmond, Washington 98052 USA
www.anteagroup.com

August 25, 2017

Lake Chelan Boat Company
Mr. Jack Raines
1418 West Woodin Avenue
Chelan, WA 98816

Subject: Quarterly Groundwater Monitoring Report – Second Quarter of 2017
Lake Chelan Boat Company
1418 West Woodin Avenue
Chelan, Washington
Antea Group Project No. STCG-422-2
Colony Claim No. 208188

Dear Mr. Raines:

Antea®Group (Antea Group) has prepared this report to summarize groundwater monitoring performed at the above referenced site on June 15, 2017. A site location map is included on Figure 1 and a detailed site map in included on Figure 2.

GROUNDWATER SAMPLING AND ANALYSES

Before the sampling events, Antea Group measured depth to water in monitoring wells MW-1 through MW-12 using an electronic water level meter. This information was recorded on waterproof field sheets. Groundwater elevations were measured to an accuracy of 0.01 feet. Samples were withdrawn from wells MW-1, MW-4, and MW-7 through MW-12 using a low-flow/low-purge technique with a peristaltic pump. Field parameters of dissolved oxygen (DO), pH, oxygen reduction potential, conductivity, total dissolved solids, and temperature were collected during low-flow/low-purge procedures. A summary of field parameter results is included in Table 1. The samples were placed in the appropriate laboratory-provided containers. Samples were labeled, placed into ice filled coolers, logged onto chain-of-custody forms and transported to the laboratory. No separate-phase hydrocarbons were observed in any of the monitoring wells.

During the June monitoring event, the groundwater flow direction was generally toward the west southwest at an approximate gradient of 0.06 feet/foot. A summary of current and historical groundwater elevations is included in

Table 2. A site map showing groundwater elevations from both events, and contours are included on Figure 3. Groundwater samples from the June event were submitted to ALS Laboratory Group in Everett, Washington, and were analyzed for: total petroleum hydrocarbons in the diesel range (TPH-D) and in the oil range (TPH-O) using Northwest Method NWTPH-Dx; and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021.

GROUNDWATER ANALYTICAL RESULTS

Analytical results from the March events indicate that the groundwater samples collected from monitoring wells MW-9 through MW-12 had concentrations of TPH-D that were detected above the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup level. Concentrations of TPH-D, TPH-O and BTEX compounds were either below both the respective laboratory reporting limits or MTCA Method A cleanup levels in the groundwater samples collected from wells MW-1, MW-4, MW-7, and MW-8. Groundwater monitoring well MW-3 has been non-detect and/or below MTCA Method A cleanup levels for nine consecutive quarters and has been removed from the sampling program. Wells MW-4 through MW-6 have also been below MTCA Method A cleanup levels for four consecutive quarters and have been removed from the sampling program as well. A summary of current and historical analytical results are presented in Tables 1 through Table 6. A site map that shows TPH-D, TPH-O, and BTEX concentrations is included on Figure 4. The analytical report and chain-of-custody documentation are presented as Appendix A. Laboratory control sample results are included in the analytical report.

REMEDIAL ACTIVITIES

On April 25 and 26, 2016, Antea Group directed the advancement of three soil borings that were completed as 2-inch diameter injection wells (IW-1 through IW-3) set to a depth of 20 feet below ground surface (bgs). These wells were installed in order to facilitate insitu-chemical oxidation events (ISCO). A water injection test was performed in well IW-3 on April 26, 2016. The approximate flow rate for IW-3 was 8.4 gallons per minute (gpm).

In addition, on April 26, 2016 a pre-injection groundwater monitoring event was conducted at the Site. Groundwater samples were collected from wells MW-1, MW-2, and MW-4. Historically, monitoring wells MW-2 and MW-4 have exhibited concentrations above the Ecology MTCA Method A cleanup levels. The injection wells were installed nearest these wells to help remediate contamination in this area. Analytical results are included in Tables 1 and 2.

On June 1 and June 2, 2016 Antea Group oversaw Regenesis mix and prepare PlumeStop for application. Under Antea Group's supervision, Regenesis injected 4,000 lbs. of PlumeStop into the subsurface in the vicinity of monitoring wells MW-2 and MW-4 via the three new injection wells (IW-1 through IW-3). The PlumeStop was mixed with 4,316 gallons of water in batches. In total, 4,795 gallons of solution were injected evenly into the three

new injection wells. The remedial activities performed during the second quarter were summarized in a report titled, "Well Installation, Water Injection Test, and Carbon Based Injection Report", dated December 6, 2016.

On March 20, 2017, Antea Group directed the installation of three groundwater monitoring wells (MW-7 through MW-9) that were completed as 2-inch diameter wells, screened at 5 to 25 foot intervals and set to a depth of 25 feet. These wells were installed in order to delineate the plume. The data collected from the well installations will be included in a Remedial Investigation (RI) report at a later date.

On May 30 and May 31, 2017, Antea Group directed the installation of three groundwater monitoring wells (MW-10 through MW-12) that were completed as 2-inch diameter wells, screened at 5 to 25 foot intervals and set to a depth of 26.5 feet. These wells were installed in order to delineate the plume. The data collected from the well installations will be included in a report at a later date.

Due to the detected TPH-D concentrations in monitoring well MW-9 through MW-12, Antea Group is preparing a scope of work to install two additional groundwater monitoring wells on site. Antea Group will prepare a work plan to install one well approximately to the north of well MW-11 and MW-12 and one well to the west of MW-10. The locations of the wells are intended to complete the lateral delineation of groundwater on site and are included on Figure 2.

REMARKS

The information contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Antea Group appreciates the opportunity to provide environmental services to you. Please call Matthew Miller, Senior Project Manager, at 425-498-7722 if you have any questions regarding the contents of this letter.

Prepared by:

Joseph Glover
Staff Professional

Date: August 25, 2017

Reviewed by:

Jaime Sasse
Project Professional

Date: August 25, 2017

Matthew R. Miller, LG
Senior Project Manager

Date: August 25, 2017

State of Washington 532 Licensed Geologist Matthew Miller

c.c. Toxics Cleanup Program, Washington State Department of Ecology Central Region (Hard Copy)
Mr. Nnamdi Madakor, PLIA, Olympia, Washington (Hard Copy)
Mr. Mark Newman, The Vertex Companies, Inc., Seattle, Washington (Electronic Copy)
Argo Pro /Colony Insurance, San Antonio, Texas (Electronic copy issued by Vertex)
Ms. Carrie Pederson, PLIA, Olympia, Washington (Electronic copy issued by Vertex)
File, Antea Group

Enclosures

Tables

Figures

Appendix

Tables

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
NATURAL ATTENUATION PARAMETERS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample I.D.	Date	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	ORP (mV)	TDS (g/L)	Conductivity (mS/cm^3)	Temp. (Celsius)	BOD (mg/L)	COD (mg/L)	Alkalinity CaCO3 (mg/L)	DOC (mg/L)	TOC (mg/L)	Methane (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Iron (µg/L)	Dissolved Iron (µg/L)	Manganese (µg/L)	Dissloved Manganese (µg/L)	Carbon Dioxide (µg/L)
MW-1	03/04/13	1.25	6.89	60	0.8	1.18	14.1	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/05/13	2.31	8.95	246.3	0.510	0.617	14.30	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/09/13	3.10	10.78	175.1	0.516	0.656	16.04	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/09/13	2.74	6.83	413.2	0.762	0.914	13.44	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/05/14	1.07	6.78	248.8	0.725	0.825	11.38	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/19/14	3.70	6.69	109.8	0.560	0.672	13.47	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/20/14	1.91	6.91	16.0	0.666	0.898	18.47	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/15/14	0.08	6.44	-15.2	0.381	0.459	13.57	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/17/15	3.58	6.03	298	2.42	3.79	13.04	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	05/21/15	1.36	6.65	-10.9	0.801	0.963	13.55	--	--	--	--	--	<0.010	23	19	<50	--	<2.0	--	79,000
MW-1	06/22/15	0.77	6.77	258.0	0.582	0.733	15.54	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/15/15	0.62	6.74	17.0	0.603	0.803	18.00	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/30/15	1.92	6.57	42.0	1.727	2.099	13.99	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/25/16	1.40	6.73	24.0	1.486	1.804	13.97	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	04/26/16	1.20	7.29	94.5	0.817	0.974	13.22	<5.0	--	470	4.9	5.9	<0.010	48	30	470	<50	13	5.8	66000
MW-1	06/27/16	0.48	8.37	304.0	1.110	1.371	14.68	<5.0	24	430	--	7.2	<0.010	8.5	15	<50	<50	17	18	69000
MW-1	09/25/16	1.04	7.28	91.6	0.637	0.830	17.02	<5.0	6.3	430	--	4.3	<0.010	15	16	<50	<50	11	10	84000
MW-1	12/19/16	4.46	6.78	129.6	1.893	2.339	14.68	<5.0	12	460	--	4.9	<0.010	38	24	<50	<50	<2.0	2.0	81000
MW-1	03/14/17	0.93	6.69	43.0	1.420	1.699	13.44	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	**06/15/17**	**2.65**	**6.98**	**190.0**	**0.688**	**0.830**	**13.70**	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/04/13	1.69	6.82	91	0.8	1.18	14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	06/05/13	1.37	8.61	218.9	0.489	0.579	12.88	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/09/13	0.78	10.92	192.8	0.566	0.697	14.56	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/09/13	0.91	6.79	387.8	0.633	0.746	12.60	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/05/14	1.21	6.65	267.4	0.718	0.815	11.28	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	06/19/14	3.75	7.06	58.3	0.560	0.681	14.05	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/20/14	1.90	6.38	51.2	0.478	0.611	16.15	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/15/14	0.08	6.64	45.0	0.599	0.737	14.53	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/17/15	0.59	6.05	293	1.42	2.22	12.98	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	05/21/15	Not Sampled - Gauge Only											--	--	--	--	--	--	--	--
MW-2	06/22/15	0.91	6.69	240.6	0.351	0.425	13.84	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/15/15	0.26	6.74	21.1	0.493	0.628	16.01	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/30/15	0.30	6.65	41.7	1.315	1.597	13.97	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/25/16	0.43	6.80	18.7	0.990	1.214	14.34	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	04/26/16	1.65	7.28	95.2	0.837	1.069	16.11	<5.0	--	430	6.9	8.8	<0.010	23	16	<50	<50	660	520	81000
MW-2	06/27/16	1.09	8.23	326.3	0.744	0.899	13.86	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/25/16	0.40	7.14	94.8	0.548	0.709	16.69	<5.0	8.3	370	--	5.5	<0.010	24	15	<50	<50	710	1300	69000
MW-2	12/16/16	3.75	6.77	127.7	1.418	1.717	13.85	<5.0	38	440	--	14	0.020	8.1	17	<50	<50	2800	2800	84000

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
NATURAL ATTENUATION PARAMETERS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample I.D.	Date	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	ORP (mV)	TDS (g/L)	Conductivity (mS/cm^3)	Temp. (Celsius)	BOD (mg/L)	COD (mg/L)	Alkalinity CaCO3 (mg/L)	DOC (mg/L)	TOC (mg/L)	Methane (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Iron (µg/L)	Dissolved Iron (µg/L)	Manganese (µg/L)	Dissloved Manganese (µg/L)	Carbon Dioxide (µg/L)
MW-3	03/04/13	1.50	6.65	-88.0	0.8	1.250	13.5	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/05/13	1.42	8.61	186.3	0.496	0.582	12.58	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/09/13	1.40	10.30	257.1	0.405	0.499	14.58	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/09/13	1.39	6.80	367.7	0.633	0.744	12.65	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/05/14	0.60	6.53	-41.3	0.707	0.817	11.97	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/19/14	3.37	7.25	81.3	0.497	0.594	13.30	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/20/14	5.60	6.89	9.6	0.441	0.572	16.80	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/15/14	0.13	6.77	-43.0	0.641	0.765	13.30	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/17/15	2.44	6.48	291	1.71	2.68	12.03	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/21/15	2.39	6.80	-50.3	0.843	0.989	12.56	--	--	--	--	--	<0.010	38	19	1,200	--	280	--	71,000
MW-3	06/22/15	2.80	5.84	304.8	0.403	0.486	13.68	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/15/15	1.39	6.91	17.7	0.428	0.573	18.24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/30/15	4.26	6.67	93.8	1.524	1.849	13.95	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/25/16	0.80	6.81	66.9	0.787	0.923	12.57	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/27/16	0.52	8.23	326.2	0.870	1.059	14.03	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/04/13	1.66	6.8	38	0.9	1.34	14.8	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	06/05/13	3.27	--	310.0	0.746	0.914	14.30	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/09/13	0.56	10.66	222.4	0.596	0.765	16.47	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/09/13	1.32	6.71	426.4	0.747	0.912	14.15	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/05/14	1.33	6.64	266.8	0.755	0.881	12.24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	06/19/14	4.80	6.27	146.9	0.846	1.052	14.96	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/20/14	1.10	6.87	122.8	0.830	1.119	18.52	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/15/14	0.02	6.55	-35.0	0.826	1.032	15.12	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/17/15	0.62	6.39	296	1.98	3.09	13.48	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	05/21/15	0.52	6.62	-23.4	1.054	1.281	14.03	--	--	--	--	--	<0.010	74	23	<50	--	290	--	97,000
MW-4	06/22/15	0.81	6.56	270.1	0.761	0.964	15.78	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/15/15	0.43	6.60	44.8	0.807	1.111	19.51	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/30/15	0.43	6.70	48.9	1.912	2.368	14.78	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/25/16	2.10	6.70	30.2	0.993	1.231	14.82	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	04/26/16	3.61	7.28	94.2	0.810	0.975	13.62	<5.0	--	510	13.0	13	<0.010	69	26	<50	<50	100	91	84000
MW-4	06/27/16	0.23	8.39	306.2	1.359	1.764	16.80	<5.0	700	470	--	140	<0.010	17	53	500	100	87	48	64000
MW-4	09/25/16	0.19	7.42	86.6	0.782	1.038	17.81	<5.0	220	520	--	42	<0.010	2.6	35	150	73	2800	2700	85000
MW-4	12/19/16	1.51	6.33	154.7	1.795	2.239	15.09	<5.0	29	520	--	8.2	<0.010	27	23	<50	<50	980	1000	93000
MW-4	03/14/17	1.25	6.66	93.2	1.011	1.225	13.90	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	**06/15/17**	**4.98**	**6.32**	**228.9**	**0.720**	**0.874**	**13.95**	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
NATURAL ATTENUATION PARAMETERS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample I.D.	Date	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	ORP (mV)	TDS (g/L)	Conductivity (mS/cm^3)	Temp. (Celsius)	BOD (mg/L)	COD (mg/L)	Alkalinity CaCO3 (mg/L)	DOC (mg/L)	TOC (mg/L)	Methane (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Iron (µg/L)	Dissolved Iron (µg/L)	Manganese (µg/L)	Dissloved Manganese (µg/L)	Carbon Dioxide (µg/L)
MW-5	09/15/15	0.80	6.97	-69.9	0.984	1.266	16.46	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/30/15	1.10	6.83	61.8	1.452	2.937	13.46	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/25/16	2.00	6.91	44.8	0.937	1.132	13.74	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	06/27/16	2.60	8.45	304.5	2.189	2.793	16.08	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	09/15/15	0.68	7.22	-108.2	0.800	1.038	16.71	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/30/15	0.45	6.90	68.8	1.559	1.907	14.32	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/25/16	4.11	6.92	31.6	0.995	1.217	14.26	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/27/16	0.17	8.42	291.3	2.319	2.887	15.03	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/27/17	1.06	6.10	94.2	1.106	1.323	13.36	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	**06/15/17**	**3.53**	**6.70**	**143.0**	**0.518**	**0.612**	**12.82**	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/27/17	1.61	5.77	172.4	1.014	1.214	13.39	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	**06/15/17**	**2.08**	**6.69**	**168.6**	**0.831**	**0.989**	**13.13**	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	03/27/17	0.36	6.67	32.6	0.642	0.779	13.89	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	**06/15/17**	**0.36**	**7.35**	**-105.7**	**0.466**	**0.547**	**12.82**	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	**06/15/17**	**0.38**	**7.65**	**-51.5**	**0.198**	**0.235**	**13.01**	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	**06/15/17**	**1.11**	**6.94**	**-74.4**	**0.423**	**0.504**	**13.24**	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	**06/15/17**	**2.00**	**6.86**	**-57.9**	**0.578**	**0.699**	**13.83**	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
ORP= oxygen reduction potential
TDS= total dissolved solids
Dissolved Oxygen, pH, ORP, TDS, Conductivity and Temperature measurements taken with a Y-SI 556 water quality field instrument
BOD= biochemical oxygen demand
BOD analysis by Method SM5210B
Alkalinity analysis by Method SM2320E
DOC= dissolved organic carbon
DOC analysis by Method EPA-415.1
TOC= total organic carbon
TOC analysis by Method SM5310C
Methane analysis by Method RSK-175
Nitrate and sulfate analysis by Method EPA-300.0
Iron, dissolved Iron, manganese, and dissolved manganese analysis by Method EPA-200.8
Carbon dioxide analysis by method RSK-175M

TABLE 2
GROUNDWATER ANALYTICAL RESULTS AND GROUNDWATER ELEVATION MEASUREMENTS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date Sampled	TPH Diesel (µg/L)	TPH Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	TOC (feet)	DTW (feet)	SPH Thickness (feet)	GWE (feet)
MW-1	03/21/12	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	19.63	0.00	79.87
MW-1	06/21/12	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	9.75	0.00	89.75
MW-1	09/17/12	<130	<250	<1.0	<1.0	<1.0	<3.0	<3.0	--	99.50	7.86	0.00	91.64
MW-1	12/10/12	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	12.85	0.00	86.65
MW-1	03/04/13	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	19.89	0.00	79.61
MW-1	06/05/13	150	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	10.82	0.00	88.68
MW-1	09/09/13	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	6.99	0.00	92.51
MW-1	12/09/13	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	15.46	0.00	84.04
MW-1	03/05/14	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	20.00	0.00	79.50
MW-1	06/19/14	<130	<250		<1.0	<1.0	<3.0	--	--	99.50	8.75	0.00	90.75
MW-1	09/20/14	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	7.97	0.00	91.53
MW-1	12/15/14	150	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	12.00	0.00	87.50
MW-1	05/21/15	--	--	--	--	--	--	--	--	99.50	11.22	0.00	88.28
MW-1	06/22/15	230	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	6.60	0.00	92.90
MW-1	09/15/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	7.80	0.00	91.70
MW-1	12/30/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	12.95	0.00	86.55
MW-1	03/25/16	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	18.21	0.00	81.29
MW-1	04/26/16	130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	11.93	0.00	87.57
MW-1	06/27/16	520	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	6.65	0.00	92.85
MW-1	09/25/16	140	<250	<1.0	<1.0	<1.0	<3.0	--	<1.0	99.50	8.12	0.00	91.38
MW-1	12/19/16	<130	<250	<1.0	<1.0	<1.0	<3.0	--	<1.0	99.50	12.31	0.00	87.19
MW-1	03/14/17	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.50	20.34	0.00	79.16
MW-1	**06/15/17**	**170**	**<250**	**<1.0**	**<1.0**	**<1.0**	**<3.0**	--	--	**99.50**	**8.40**	**0.00**	**91.10**

TABLE 2
GROUNDWATER ANALYTICAL RESULTS AND GROUNDWATER ELEVATION MEASUREMENTS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date Sampled	TPH Diesel (µg/L)	TPH Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	TOC (feet)	DTW (feet)	SPH Thickness (feet)	GWE (feet)
MW-2	03/21/12	260	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	19.38	0.00	79.84
MW-2	06/21/12	300	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	9.84	0.00	89.38
MW-2	09/17/12	270	<250	<1.0	<1.0	<1.0	<3.0	<3.0	--	99.22	8.54	0.00	90.68
MW-2	12/10/12	310	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	13.15	0.00	86.07
MW-2	03/04/13	<130	280	<1.0	<1.0	<1.0	<3.0	--	--	99.22	20.02	0.00	79.20
MW-2	06/05/13	280	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	10.90	0.00	88.32
MW-2	09/09/13	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	7.10	0.00	92.12
MW-2	12/09/13	140	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	15.62	0.00	83.60
MW-2	06/19/14	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	8.83	0.00	90.39
MW-2	09/20/14	460	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	8.10	0.00	91.12
MW-2	12/15/14	420	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	12.12	0.00	87.10
MW-2	03/17/15	430	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	14.49	0.00	84.73
MW-2	05/21/15	--	--	--	--	--	--	--	--	99.22	11.26	0.00	87.96
MW-2	06/22/15	140	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	6.73	0.00	92.49
MW-2	09/15/15	290	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	7.91	0.00	91.31
MW-2	12/30/15	660	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	13.11	0.00	86.11
MW-2	03/25/16	740	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	18.35	0.00	80.87
MW-2	04/26/16	410	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	12.00	0.00	87.22
MW-2	06/27/16	210	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.22	6.77	0.00	92.45
MW-2	09/25/16	<130	<250	<1.0	<1.0	<1.0	<3.0	--	<1.0	99.22	8.25	0.00	90.97
MW-2	12/19/16	400	<250	<1.0	<1.0	<1.0	<3.0	--	<1.0	99.22	12.42	0.00	86.80
MW-2	03/14/17	--	--	--	--	--	--	--	--	99.22	20.46	0.00	78.76
MW-2	**06/15/17**	--	--	--	--	--	--	--	--	**99.22**	**8.50**	**0.00**	**90.72**

TABLE 2
GROUNDWATER ANALYTICAL RESULTS AND GROUNDWATER ELEVATION MEASUREMENTS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date Sampled	TPH Diesel (µg/L)	TPH Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	TOC (feet)	DTW (feet)	SPH Thickness (feet)	GWE (feet)
MW-3	03/21/12	1,300	<250	<1.0	<1.0	9.3	44	--	--	100.00	20.10	0.00	79.90
MW-3	06/21/12	1,100	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	8.15	0.00	91.85
MW-3	09/17/12	340	<250	<1.0	<1.0	<1.0	3.3	<3.0	--	100.00	6.41	0.00	93.59
MW-3	12/10/12	140	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	11.30	0.00	88.70
MW-3	06/05/13	620	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	9.25	0.00	90.75
MW-3	09/09/13	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	5.38	0.00	94.62
MW-3	12/09/13	190	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	13.92	0.00	86.08
MW-3	03/05/14	1,900	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	18.45	0.00	81.55
MW-3	06/19/14	180	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	7.20	0.00	92.80
MW-3	09/20/14	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	6.41	0.00	93.59
MW-3	12/15/14	140	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	10.45	0.00	89.55
MW-3	03/17/15	250	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	12.81	0.00	87.19
MW-3	05/21/15	--	--	--	--	--	--	--	--	100.00	9.63	0.00	90.37
MW-3	06/22/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	5.04	0.00	94.96
MW-3	09/15/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	6.26	0.00	93.74
MW-3	12/30/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	11.41	0.00	88.59
MW-3	03/25/16	430	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	16.65	0.00	83.35
MW-3	04/26/16	--	--	--	--	--	--	--	--	100.00	10.35	0.00	89.65
MW-3	06/27/16	400	<250	<1.0	<1.0	<1.0	<3.0	--	--	100.00	5.08	0.00	94.92
MW-3	09/25/16	--	--	--	--	--	--	--	--	100.00	6.56	0.00	93.44
MW-3	12/19/16	--	--	--	--	--	--	--	--	100.00	10.72	0.00	89.28
MW-3	03/14/17	--	--	--	--	--	--	--	--	100.00	18.77	0.00	81.23
MW-3	**06/15/17**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**100.00**	**6.85**	**0.00**	**93.15**

TABLE 2
GROUNDWATER ANALYTICAL RESULTS AND GROUNDWATER ELEVATION MEASUREMENTS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date Sampled	TPH Diesel (µg/L)	TPH Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	TOC (feet)	DTW (feet)	SPH Thickness (feet)	GWE (feet)
MW-4	06/21/12	880	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	10.40	0.00	91.85
MW-4	09/17/12	1,800	<250	<1.0	<1.0	<1.0	<3.0	<3.0	--	102.25	8.00	0.00	94.25
MW-4	12/10/12	390	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	13.45	0.00	88.80
MW-4	03/04/13	160	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	23.72	0.00	78.53
MW-4	06/05/13	2,900	520	<1.0	<1.0	<1.0	<3.0	--	--	102.25	11.48	0.00	90.77
MW-4	09/09/13	1,300	260	<1.0	<1.0	<1.0	<3.0	--	--	102.25	7.62	0.00	94.63
MW-4	12/09/13	190	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	16.09	0.00	86.16
MW-4	03/05/14	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	20.61	0.00	81.64
MW-4	06/19/14	580	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	10.42	0.00	91.83
MW-4	09/20/14	1,800	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	8.61	0.00	93.64
MW-4	12/15/14	2,000	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	12.64	0.00	89.61
MW-4	03/17/15	620	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	15.00	0.00	87.25
MW-4	05/21/15	--	--	--	--	--	--	--	--	102.25	11.89	0.00	90.36
MW-4	06/22/15	1,800	410	<1.0	<1.0	<1.0	<3.0	--	--	102.25	7.25	0.00	95.00
MW-4	09/15/15	2,300	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	8.45	0.00	93.80
MW-4	12/30/15	960	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	13.60	0.00	88.65
MW-4	03/25/16	250	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	18.84	0.00	83.41
MW-4	04/26/16	630	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	12.65	0.00	89.60
MW-4	06/27/16	1,500	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	7.30	0.00	94.95
MW-4	09/25/16	330	<250	<1.0	<1.0	<1.0	<3.0	--	<1.0	102.25	8.76	0.00	93.49
MW-4	12/19/16	<130	<250	<1.0	<1.0	<1.0	<3.0	--	<1.0	102.25	12.93	0.00	89.32
MW-4	03/14/17	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.25	20.98	0.00	81.27
MW-4	**06/15/17**	**<130**	**<250**	**<1.0**	**<1.0**	**<1.0**	**<3.0**	--	--	**102.25**	**9.05**	**0.00**	**93.20**

TABLE 2
GROUNDWATER ANALYTICAL RESULTS AND GROUNDWATER ELEVATION MEASUREMENTS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date Sampled	TPH Diesel (µg/L)	TPH Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	TOC (feet)	DTW (feet)	SPH Thickness (feet)	GWE (feet)
MW-5	09/15/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.29	8.51	0.00	93.78
MW-5	12/30/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.29	13.64	0.00	88.65
MW-5	03/25/16	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.29	18.87	0.00	83.42
MW-5	04/26/16	--	--	--	--	--	--	--	--	102.29	12.84	0.00	89.45
MW-5	06/27/16	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	102.29	7.35	0.00	94.94
MW-5	09/25/16	--	--	--	--	--	--	--	--	102.29	8.82	0.00	93.47
MW-5	12/19/16	--	--	--	--	--	--	--	--	102.29	12.94	0.00	89.35
MW-5	03/14/17	--	--	--	--	--	--	--	--	102.29	21.03	0.00	81.26
MW-5	**06/15/17**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**102.29**	**9.12**	**0.00**	**93.17**
MW-6	09/15/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	106.73	12.89	0.00	93.84
MW-6	12/30/15	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	106.73	18.06	0.00	88.67
MW-6	03/25/16	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	106.73	23.32	0.00	83.41
MW-6	04/26/16	--	--	--	--	--	--	--	--	106.73	17.30	0.00	89.43
MW-6	06/27/16	170	<250	<1.0	<1.0	<1.0	<3.0	--	--	106.73	11.80	0.00	94.93
MW-6	09/25/16	--	--	--	--	--	--	--	--	106.73	13.23	0.00	93.50
MW-6	12/19/16	--	--	--	--	--	--	--	--	106.73	17.37	0.00	89.36
MW-6	03/14/17	--	--	--	--	--	--	--	--	106.73	25.46	0.00	81.27
MW-6	**06/15/17**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**106.73**	**13.58**	**0.00**	**93.15**
MW-7	03/27/17	200	<250	<1.0	<1.0	<1.0	<3.0	--	--	98.73	19.59	0.00	79.14
MW-7	**06/15/17**	**<130**	**<250**	**<1.0**	**<1.0**	**<1.0**	**<3.0**	**--**	**--**	**98.73**	**8.00**	**0.00**	**90.73**
MW-8	03/27/17	<130	<250	<1.0	<1.0	<1.0	<3.0	--	--	99.02	19.77	0.00	79.25
MW-8	**06/15/17**	**<130**	**<250**	**<1.0**	**<1.0**	**<1.0**	**<3.0**	**--**	**--**	**99.02**	**8.21**	**0.00**	**90.81**
MW-9	03/27/17	1,300	<250	<1.0	<1.0	8.6	23	--	--	99.55	17.94	0.00	81.61
MW-9	**06/15/17**	**2,500**	**<250**	**<1.0**	**2.9**	**27**	**69**	**--**	**--**	**99.55**	**6.41**	**0.00**	**93.14**
MW-10	**06/15/17**	**3,300**	**<250**	**<1.0**	**2.6**	**4.4**	**9.8**	--	--	**96.98**	**3.89**	**0.00**	**93.09**
MW-11	**06/15/17**	**2,600**	**<250**	**<1.0**	**2.3**	**2.9**	**9.9**	--	--	**98.60**	**5.25**	**0.00**	**93.35**
MW-12	**06/15/17**	**2,100**	**<250**	**<1.0**	**2.4**	**11**	**67**	--	--	**101.12**	**8.05**	**0.00**	**93.07**

TABLE 2
GROUNDWATER ANALYTICAL RESULTS AND GROUNDWATER ELEVATION MEASUREMENTS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date Sampled	TPH Diesel (µg/L)	TPH Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	TOC (feet)	DTW (feet)	SPH Thickness (feet)	GWE (feet)
Trip Blank-1	09/25/16	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
Trip Blank-1	12/19/16	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
Trip Blank-1	03/14/17	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
Trip Blank-1	03/27/17	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
Trip Blank-1	**06/15/17**	--	--	**<1.0**	**<1.0**	**<1.0**	**<3.0**	--	--	--	--	--	--
MTCA Method A Cleanup Levels:		**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**20**	-	-	-	-

Notes:
µg/L= micrograms per liter
< = Less than reporting limit
TOC - Top of casing elevation (feet)
DTW - Depth to groundwater (feet)
SPH Thickness - Separate-phase hydrocarbon thickness (feet)
GWE - Groundwater table elevation (feet)
TPH = Total petroleum hydrocarbons
MTBE = Methyl t-butyl ether
TPH as diesel and oil by Method NWTPH-Dx
BTEX - Analysis by EPA Method 8021
MTBE - Analysis by EPA Method 8021

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - CARCINOGENIC PAHS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date	Benzo[A] Anthracene (ug/L)	Chrysene (ug/L)	Benzo[B] Fluoranthene (ug/L)	Benzo[K] Fluoranthene (ug/L)	Benzo[A] Pyrene (ug/L)	Indeno[1,2,3-Cd] Pyrene (ug/L)	Dibenz[A,H] Anthracene (ug/L)	Total cPAHs
MW-1	03/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	0.040	0.026	0.066
MW-1	06/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-1	09/17/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-1	12/10/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-1	03/04/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-1	06/05/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-1	12/09/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-2	03/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	0.052	0.034	0.086
MW-2	06/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-2	09/17/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-2	12/10/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-2	03/04/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-2	06/05/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-2	12/09/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-3	03/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	0.059	0.039	0.098
MW-3	06/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-3	09/17/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-3	12/10/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-3	03/04/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-3	06/05/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-3	12/09/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-4	03/21/12	<0.020	<0.020	0.023	<0.020	<0.020	0.050	0.035	0.108
MW-4	06/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-4	09/17/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-4	12/10/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-4	03/04/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-4	06/05/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-4	12/09/13	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MTCA Method A Cleanup Level for Total cPAHs									**0.1**

Notes:
ug/L = micrograms per liter
< = Not Detected above the Reporting Limit
PAHs = Polycyclic Aromatic Hydrocarbons, Analysis by EPA Method 8270 SIM

TABLE 4
GROUNDWATER ANALYTICAL RESULTS - NON-CARCINOGENIC PAHS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date	Ace-naphthene (ug/L)	Ace-naphthylene (ug/L)	Anthracene (ug/L)	Benzo(g,h,i) Perylene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	1-Methyl-naphthalene (ug/L)	2-Methyl-naphthalene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)	Total Naphthalenes (ug/L)
MW-1	3/21/12	<0.020	<0.020	<0.020	0.086	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-1	6/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-1	12/9/13	--	--	--	--	--	--	<0.020	<0.020	0.079	--	--	--
MW-2	3/21/12	<0.020	<0.020	<0.020	0.094	0.030	<0.020	0.043	<0.020	<0.020	<0.020	<0.020	0.043
MW-2	6/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-2	12/9/13	--	--	--	--	--	--	<0.020	<0.020	<0.020	--	--	--
MW-3	3/21/12	0.75	0.089	<0.020	0.11	<0.020	1.8	7.7	0.16	14	<0.020	<0.020	21.86
MW-3	6/12/12	0.21	<0.020	<0.020	<0.020	<0.020	0.47	3.0	0.21	7.5	<0.020	<0.020	10.71
MW-3	12/9/13	--	--	--	--	--	--	<0.020	<0.020	<0.020	--	--	--
MW-4	6/21/12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.048	<0.020	<0.020	<0.020	<0.020	0.048
MW-4	12/9/13	--	--	--	--	--	--	<0.020	<0.020	0.040	--	--	--
MW-4	6/19/14	--	--	--	--	--	--	<0.020	<0.020	<0.020	--	--	--
MTCA Method A Cleanup Levels:		--	--	--	--	--	--	--	--	**160**	--	--	**160**

Notes:
ug/L = micrograms per liter
NA = Not Analyzed
< = Not detected above the laboratory method reporting limit
PAHs = Polycyclic Aromatic Hydrocarbons, Analysis by EPA Method 8270 SIM

TABLE 5
GROUNDWATER ANALYTICAL RESULTS - FRACTIONAL ANALYSIS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

	MW-1	MW-2	MW-3	MW-4	MW-4
Volatile Petroleum Hydrocarbons	**12/9/2013**	**12/9/2013**	**12/9/2013**	**12/9/2013**	**6/19/2014**
C5-C6 Aliphatics (ug/L)	<50	<50	<50	<50	--
C6-C8 Aliphatics (ug/L)	<50	<50	<50	<50	--
C8-C10 Aliphatics (ug/L)	<50	<50	<50	<50	--
C8-C10 Aromatics (ug/L)	<50	<50	<50	<50	--
C10-C12 Aromatics (ug/L)	<50	<50	<50	<50	--
Hexane (ug/L)	<2.0	<2.0	<2.0	<2.0	--
Extractable Petroleum Hydrocarbons					
C8-C10 Aliphatics (ug/L)	<50	<50	<50	<50	<50
C10-C12 Aliphatics (ug/L)	<50	<50	<50	<50	<50
C12-C16 Aliphatics (ug/L)	<50	<50	<50	<50	<50
C16-C21 Aliphatics (ug/L)	<50	<50	<50	<50	<50
C21-C34 Aliphatics (ug/L)	<50	<50	<50	<50	<50
C8-C10 Aromatics (ug/L)	<50	<50	<50	<50	<50
C12-C16 Aromatics (ug/L)	<50	<50	<50	<50	<50
C16-C21 Aromatics (ug/L)	<50	<50	<50	<50	<50
C21-C34 Aromatics (ug/L)	<50	<50	<50	<50	<50

Notes:
µg/L= micrograms per liter
< = Less than reporting limit
-- = Not Analyzed
Extractable petroleum hydrocarbon fractions - analysis by method NWEPH
Volatile petroleum hydrocarbon fractions and hexane - analysis by method NWVPH

TABLE 6
GROUNDWATER ANALYTICAL RESULTS - CENSUS, BIO-TRAP RESULTS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Sample ID	Date Sampled	Phenol Hydroxylase (CB)	Naphthalene Dioxygenase (CB)	Naphthalene-inducibe Dioxygenase (CB)	Total Eubacteria (CB)
MW-1	06/22/15	2.25E+04	4.28E+03	1.16E+02	5.42E+06
MW-3	06/22/15	5.93E+03	3.27E+03	2.41E+01	5.59E+06
MW-4	06/22/15	5.49E+03	2.19E+03	1.49E+02	3.46E+06
Laboratory Reporting Limit:		**2.50E+02**	**2.50E+02**	**2.50E+02**	**2.50E+02**
Detection Limit:		**5.00E+00**	**5.00E+00**	**5.00E+00**	**5.00E+00**
Notes: CB = units are in cells/bead					

Figures

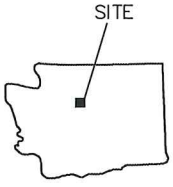
PROJECT NUMBER STCG–422

APPROVED BY

CHECKED BY

DRAWN BY ICD 04/24/2013

SITE



LATITUDE 47D 50M 09S NORTH
LONGITUDE 120D 02M 16S WEST
U.S. GEOLOGICAL SURVEY–2004
7.5 MINUTE QUADRANGLE MAP
CHELAN, WASHINGTON

N
W E
S

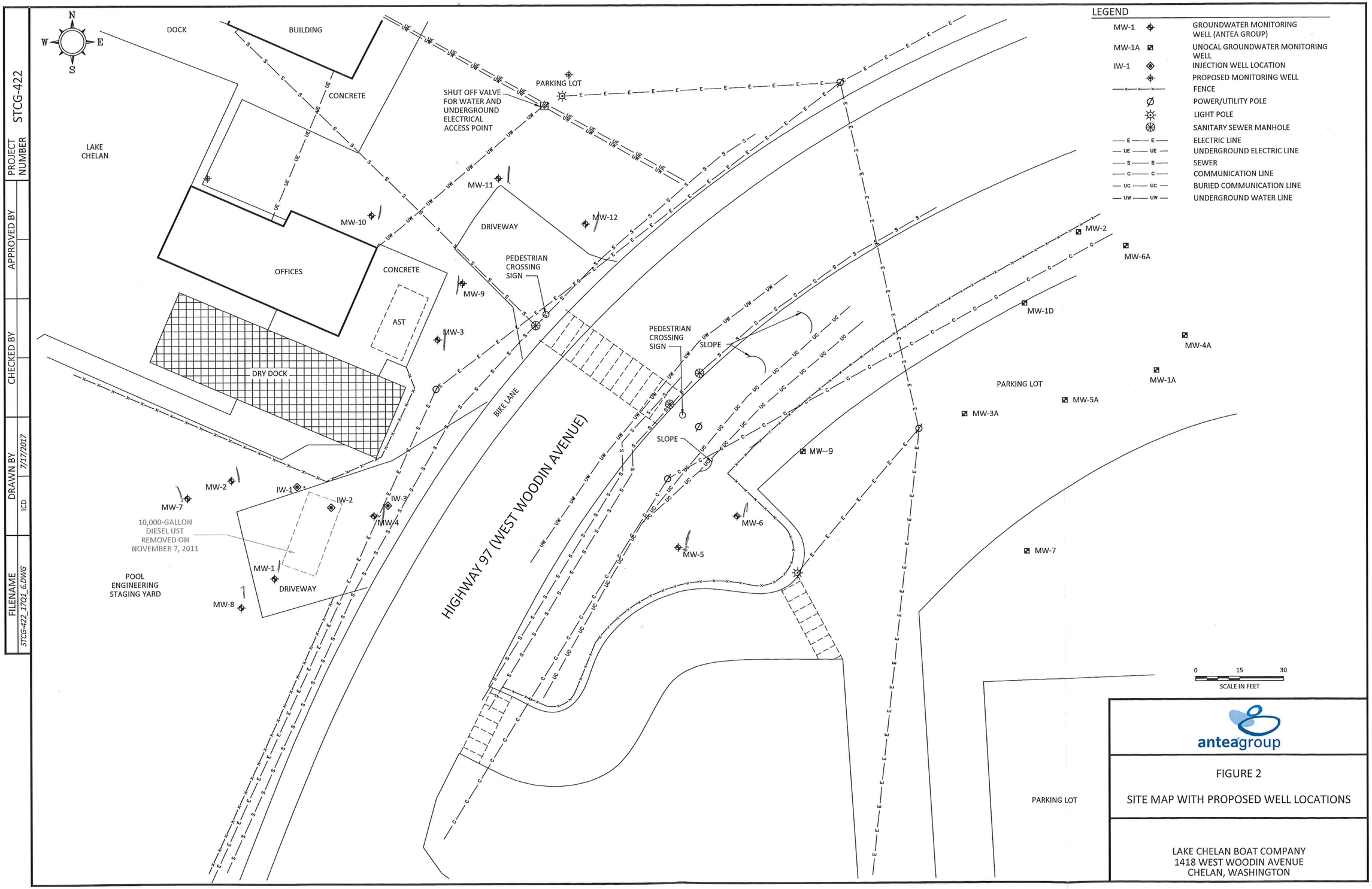
anteagroup

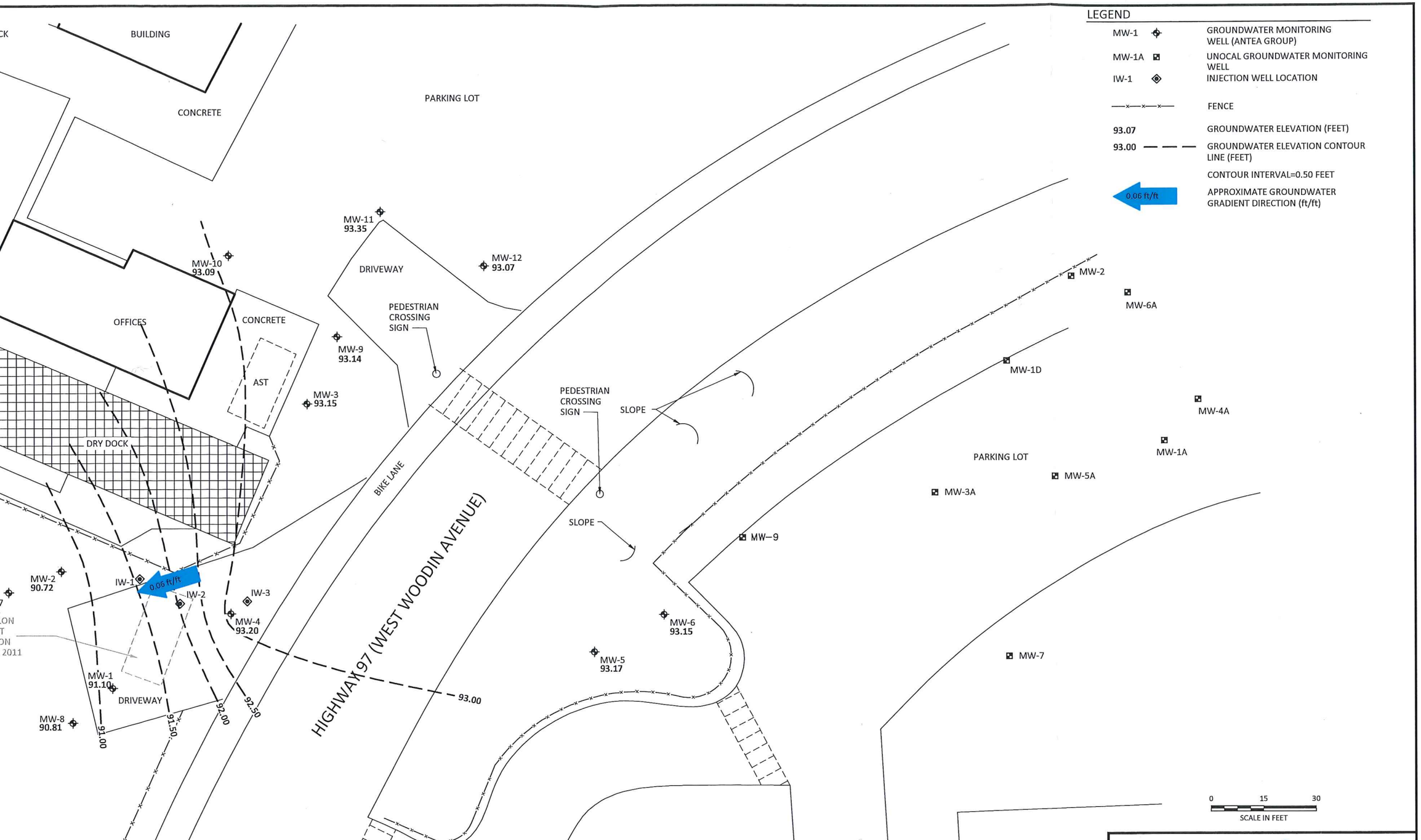
LAKE CHELAN BOAT COMPANY

FIGURE 1

SITE LOCATION MAP

1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON


N
W
E
S
DOCK
BUILDING
CONCRETE
LAKE CHELAN
SHUT OFF VALVE FOR WATER AND UNDERGROUND ELECTRICAL ACCESS POINT
PARKING LOT
MW-11
MW-10
DRIVEWAY
MW-12
OFFICES
CONCRETE
PEDESTRIAN CROSSING SIGN
MW-9
AST
MW-3
DRY DOCK
BIKE LANE
HIGHWAY 97 (WEST WOODIN AVENUE)
PEDESTRIAN CROSSING SIGN
SLOPE
SLOPE
MW-2
MW-6A
MW-1D
MW-4A
MW-1A
PARKING LOT
MW-5A
MW-3A
MW-9
MW-6
MW-5
MW-7
MW-2
IW-1
IW-2
IW-3
MW-4
MW-7
10,000-GALLON DIESEL UST REMOVED ON NOVEMBER 7, 2011
MW-1
DRIVEWAY
POOL ENGINEERING STAGING YARD
MW-8
PARKING LOT
LEGEND
MW-1 GROUNDWATER MONITORING WELL (ANTEA GROUP)
MW-1A UNOCAL GROUNDWATER MONITORING WELL
IW-1 INJECTION WELL LOCATION
PROPOSED MONITORING WELL
FENCE
POWER/UTILITY POLE
LIGHT POLE
SANITARY SEWER MANHOLE
ELECTRIC LINE
UNDERGROUND ELECTRIC LINE
SEWER
COMMUNICATION LINE
BURIED COMMUNICATION LINE
UNDERGROUND WATER LINE
0 15 30
SCALE IN FEET
anteagroup
FIGURE 2
SITE MAP WITH PROPOSED WELL LOCATIONS
LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON
PROJECT NUMBER STCG-422
APPROVED BY
CHECKED BY
DRAWN BY ICD 7/17/2017
FILENAME STCG-422_1701_6.DWG


LEGEND
MW-1 GROUNDWATER MONITORING WELL (ANTEA GROUP)
MW-1A UNOCAL GROUNDWATER MONITORING WELL
IW-1 INJECTION WELL LOCATION
FENCE
93.07 GROUNDWATER ELEVATION (FEET)
93.00 GROUNDWATER ELEVATION CONTOUR LINE (FEET)
CONTOUR INTERVAL=0.50 FEET
0.06 ft/ft APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
BUILDING
CONCRETE
PARKING LOT
MW-11 93.35
MW-12 93.07
MW-10 93.09
DRIVEWAY
PEDESTRIAN CROSSING SIGN
OFFICES
CONCRETE
MW-9 93.14
AST
MW-3 93.15
DRY DOCK
BIKE LANE
SLOPE
HIGHWAY 97 (WEST WOODIN AVENUE)
MW-2
MW-6A
MW-1D
MW-4A
MW-1A
MW-5A
MW-3A
MW-9
MW-2 90.72
IW-1
IW-2
IW-3
MW-4 93.20
MW-6 93.15
MW-5 93.17
MW-7
MW-1 91.10
MW-8 90.81
93.00
92.50
92.00
91.50
91.00
0 15 30
SCALE IN FEET

PROJECT NUMBER STCG-422

APPROVED BY

CHECKED BY

DRAWN BY ICD 8/07/2017

FILENAME STCG-422_1702.DWG

N

W E

S

DOCK

BUILDING

CONCRETE

PARKING LOT

LAKE CHELAN

MW-10	
06/15/17	
D=	**3,300**
O=	<250
B=	<1.0
T=	2.6
E=	4.4
X=	9.8

MW-11	
06/15/17	
D=	**2,600**
O=	<250
B=	<1.0
T=	2.3
E=	2.9
X=	9.9

MW-12	
06/15/17	
D=	**2,100**
O=	<250
B=	<1.0
T=	2.4
E=	11.0
X=	67

MW-9	
06/15/17	
D=	**2,500**
O=	<250
B=	<1.0
T=	2.9
E=	27
X=	69

MW-10

MW-11

MW-12

MW-9

DRIVEWAY

PEDESTRIAN CROSSING SIGN

OFFICES

CONCRETE

AST

MW-3 NS

DRY DOCK

PEDESTRIAN CROSSING SIGN

SLOPE

SLOPE

BIKE LANE

HIGHWAY 97 (WEST WOODIN AVENUE)

MW-2

MW-6A

MW-1D

MW-4A

MW-1A

PARKING LOT

MW-5A

MW-3A

MW—9

MW-6 NS

MW-5 NS

MW-7

MW-7	
06/15/17	
D=	<130
O=	<250
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0

MW-2 NS

IW-1

IW-2

IW-3

MW-4

MW-7

10,000-GALLON DIESEL UST REMOVED ON NOVEMBER 7, 2011

MW-1

DRIVEWAY

POOL ENGINEERING STAGING YARD

MW-8

MW-8	
06/15/17	
D=	<130
O=	<250
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0

MW-1	
06/15/17	
D=	170
O=	<250
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0

MW-4	
06/15/17	
D=	<130
O=	<250
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0

PARKING LOT

LEGEND

MW-1	GROUNDWATER MONITORING WELL (ANTEA GROUP)
MW-1A	UNOCAL GROUNDWATER MONITORING WELL
IW-1	INJECTION WELL LOCATION
—x—x—x—	FENCE
D	TPH-D - TOTAL PETROLEUM HYDROCARBONS AS DIESEL (µg/L)
O	TPH-O - TOTAL PETROLEUM HYDROCARBONS AS OIL (µg/L)
B	BENZENE (µg/L)
T	TOLUENE (µg/L)
E	ETHYLBENZENE (µg/L)
X	TOTAL XYLENES (µg/L)
µg/L	MICROGRAMS PER LITER
<	NOT DETECTED ABOVE LIMIT NOTED
NS	NOT SAMPLED
	BOLD VALUES INDICATE EXCEEDANCE OF MTCA METHOD A CLEANUP LEVELS

0 15 30

SCALE IN FEET

anteagroup

FIGURE 4
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
06/15/2017

LAKE CHELAN BOAT COMPANY
1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

Appendix A

Analytical Reports and Chain-of-Custody Documentation

June 23, 2017

Mr. Matt Miller
Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

Dear Mr. Miller,

On June 16th, 9 samples were received by our laboratory and assigned our laboratory project number EV17060114. The project was identified as your STCG-4222_0100; Chelan. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	6/23/2017
		ALS JOB#:	EV17060114
		ALS SAMPLE#:	EV17060114-01
		DATE RECEIVED:	06/16/2017
CLIENT CONTACT:	Matt Miller	COLLECTION DATE:	6/15/2017 11:45:00 AM
CLIENT PROJECT:	STCG-4222_0100; Chelan	WDOE ACCREDITATION:	C601
CLIENT SAMPLE ID	MW-1_8.40		

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	06/22/2017	SNC
TPH-Diesel Range	NWTPH-DX	**170**	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**88.6**	06/22/2017	SNC
C25	NWTPH-DX	**90.1**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains weathered diesel.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2017 EV17060114 EV17060114-02
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 11:30:00 AM
CLIENT SAMPLE ID	MW-4_9.05	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	06/22/2017	SNC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**87.1**	06/22/2017	SNC
C25	NWTPH-DX	**108**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	6/23/2017
		ALS JOB#:	EV17060114
		ALS SAMPLE#:	EV17060114-03
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 12:20:00 PM
CLIENT SAMPLE ID	MW-7_8.00	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	06/22/2017	SNC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**88.6**	06/22/2017	SNC
C25	NWTPH-DX	**98.4**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2017 EV17060114 EV17060114-04
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 12:00:00 PM
CLIENT SAMPLE ID	MW-8_8.21	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	06/22/2017	SNC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**87.5**	06/22/2017	SNC
C25	NWTPH-DX	**102**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2017 EV17060114 EV17060114-05
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 1:40:00 PM
CLIENT SAMPLE ID	MW-9_6.41	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/20/2017	SNC
Toluene	EPA-8021	**2.9**	1.0	1	UG/L	06/20/2017	SNC
Ethylbenzene	EPA-8021	**27**	1.0	1	UG/L	06/20/2017	SNC
Xylenes	EPA-8021	**69**	3.0	1	UG/L	06/20/2017	SNC
TPH-Diesel Range	NWTPH-DX	**2500**	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**85.5**	06/20/2017	SNC
C25	NWTPH-DX	**103**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains weathered diesel 1.
Diesel range product results biased high due to gasoline range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2017 EV17060114 EV17060114-06
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 1:20:00 PM
CLIENT SAMPLE ID	MW-10_3.89	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/20/2017	SNC
Toluene	EPA-8021	**2.6**	1.0	1	UG/L	06/20/2017	SNC
Ethylbenzene	EPA-8021	**4.4**	1.0	1	UG/L	06/20/2017	SNC
Xylenes	EPA-8021	**9.8**	3.0	1	UG/L	06/20/2017	SNC
TPH-Diesel Range	NWTPH-DX	**3300**	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**85.8**	06/20/2017	SNC
C25	NWTPH-DX	**90.9**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains weathered diesel 1.
Diesel range product results biased high due to gasoline range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2017 EV17060114 EV17060114-07
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 1:05:00 PM
CLIENT SAMPLE ID	MW-11_5.25	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/20/2017	SNC
Toluene	EPA-8021	**2.3**	1.0	1	UG/L	06/20/2017	SNC
Ethylbenzene	EPA-8021	**2.9**	1.0	1	UG/L	06/20/2017	SNC
Xylenes	EPA-8021	**9.9**	3.0	1	UG/L	06/20/2017	SNC
TPH-Diesel Range	NWTPH-DX	**2600**	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**85.7**	06/20/2017	SNC
C25	NWTPH-DX	**96.9**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains weathered diesel 1.
Diesel range product results biased high due to gasoline range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2017 EV17060114 EV17060114-08
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 12:45:00 PM
CLIENT SAMPLE ID	MW-12_8.05	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/20/2017	SNC
Toluene	EPA-8021	**2.4**	1.0	1	UG/L	06/20/2017	SNC
Ethylbenzene	EPA-8021	**11**	1.0	1	UG/L	06/20/2017	SNC
Xylenes	EPA-8021	**67**	3.0	1	UG/L	06/20/2017	SNC
TPH-Diesel Range	NWTPH-DX	**2100**	130	1	UG/L	06/22/2017	DLC
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	06/22/2017	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**86.2**	06/20/2017	SNC
C25	NWTPH-DX	**102**	06/22/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains weathered diesel 1.
Diesel range product results biased high due to gasoline range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2017 EV17060114 EV17060114-09
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	06/16/2017
CLIENT PROJECT:	STCG-4222_0100; Chelan	COLLECTION DATE:	6/15/2017 8:00:00 AM
CLIENT SAMPLE ID	Trip Blank-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	06/22/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	06/22/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	**87.4**	06/22/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS SDG#: WDOE ACCREDITATION:	6/23/2017 EV17060114 C601
CLIENT CONTACT:	Matt Miller		
CLIENT PROJECT:	STCG-4222_0100; Chelan		

LABORATORY BLANK RESULTS

MB-061917W - Batch 117390 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	06/22/2017	SNC
Toluene	EPA-8021	U	UG/L	1.0	06/22/2017	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	06/22/2017	SNC
Xylenes	EPA-8021	U	UG/L	3.0	06/22/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB2-062017W - Batch 117439 - Water by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	06/21/2017	DLC
TPH-Oil Range	NWTPH-DX	U	UG/L	250	06/21/2017	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE: ALS SDG#: WDOE ACCREDITATION:	6/23/2017 EV17060114 C601
CLIENT CONTACT:	Matt Miller		
CLIENT PROJECT:	STCG-4222_0100; Chelan		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 117390 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**97.7**			83	120	06/21/2017	SNC
Benzene - BSD	EPA-8021	**99.5**	**2**		83	120	06/21/2017	SNC
Toluene - BS	EPA-8021	**98.2**			85	115	06/21/2017	SNC
Toluene - BSD	EPA-8021	**102**	**4**		85	115	06/21/2017	SNC
Ethylbenzene - BS	EPA-8021	**94.5**			85	113	06/21/2017	SNC
Ethylbenzene - BSD	EPA-8021	**96.6**	**2**		85	113	06/21/2017	SNC
Xylenes - BS	EPA-8021	**97.9**			85	116	06/21/2017	SNC
Xylenes - BSD	EPA-8021	**102**	**4**		85	116	06/21/2017	SNC

ALS Test Batch ID: 117439 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**87.5**			67	125.2	06/21/2017	DLC
TPH-Diesel Range - BSD	NWTPH-DX	**86.0**	**2**		67	125.2	06/21/2017	DLC

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

EV1706011Y

anteagroup

COLONY CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Inogen Environmental Alliance

Required Lab Information:	Required Project Information:	Required Invoice Information:	
Lab Name: ALS-Everett	Site ID #: STCG-4222 Task: 2017_GWS	Send Invoice to: Colony Insurance	Claim #: 208188
Address: 8620 Holly Drive, Suite 100	Antea project #: STCG-4222_0100; Chelan	Attention: PAT PERRY	Phone #:
Everett, WA 98208	Site Address: 1418 West Woodin Ave	Email Address: PATRICK.PERRY@ACEGROUP.US.COM	Turn around time (Business days): Standard
Lab PM: Rick Bagan	City: Chelan State: WA	Address:	TAT Organic, Metals & Inorganic Analysis: 10 Days
Phone/Fax: 425-356-2600	Name of Antea PM: Matthew Miller	Send EDD to:	TAT Fuels & Hydrocarbon Analysis: 5 Days
Lab PM Email: rick.bagan@alsglobal.com	Phone/Fax: P: 425-498-7722 F:	CC Hardcopy report to: Matt.Miller@anteagroup.com	Other:
Applicable Lab Quote #:	PM Email: Matt.Miller@anteagroup.com	CC Hardcopy report to:	Lab Project ID (lab use):

Valid Matrix Codes

MATRIX		MATRIX	
DRINKING WATER	WP	WATER	W
GROUND WATER	WG	SURFACE WATER	WS
WASTE WATER	WW	WATER QC	WQ
FREE PRODUCT	LF	SLUDGE	SL
SOIL	SO	RINSEATE	WH
OIL	OL	OTHER	OT
WIPE	SW	ANIMAL TISSUE	TA
AMBIENT AIR	AA		
SVE AIR	AE		
SOIL GAS	GS		

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs Must Be Unique (ex:MW-1_DTW))	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED?	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: NWTPH-DX	BTEX 8021B	Comments/Lab Sample I.D.	Received in Good Condition?
1	MW-1_ 8.40	WG	G	6.15.17	1145	3	N	1			2					X	X		
2	MW-4_ 9.05	WG	G	6.15.17	1130	3	N	1			2					X	X		
3	MW-7_ 8.00	WG	G	6.15.17	1220	3	N	1			2					X	X		
4	MW-8_ 8.21	WG	G	6.15.17	1200	3	N	1			2					X	X		
5	MW-9_ 6.41	WG	G	6.15.17	1340	3	N	1			2					X	X		
6	MW-10_ 3.89	WG	G	6.15.17	1320	3	N	1			2					X	X		
7	MW-11_ 5.25	WG	G	6.15.17	1305	3	N	1			2					X	X		
8	MW-12_ 8.05	WG	G	6.15.17	1245	3	N	1			2					X	X		
9	Trip Blank-1_	W	--	6.15.17	0000	2	N				2						X		
10																			
11																			
12																			

Additional Comments/Special Instructions:

RELINQUISHED BY (Name, Company, Date, Time)	ACCEPTED BY (Name, Company, Date, Time)
~~PROJECT~~ / ANTEA / 6.16.17 / 1005	Trent Tollen, ALS, 6.16.17 1005

SHIPPING METHOD (Circle One)

UPS COURIER FEDEX US MAIL DROP OFF