

**TABLE 5. DISSOLVED METALS AND TOC
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (ug/L)													TOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
01LC-MW01SW	12/10/03	Lacamas Cr.	0.16	0.35	0.05	0.07	3.6	0.23	0.18	3.5	0.24	0.06	0.06	19.9	ND	nt
01LC-MW06DW	12/16/03	Lacamas Cr.	0.09	0.51	ND	0.18	1.1	0.6	0.18	3.4	0.17	0.04	ND	23.4	0.036	ND
01LC-MW02SW	12/10/03	Lacamas Cr.	0.31	0.96	0.21	0.19	0.85	0.25	0.39	1.2	0.26	0.24	0.22	2.3	ND	nt
01LC-MW07DW	12/16/03	Lacamas Cr.	0.09	0.85	0.03	ND	0.74	0.21	0.15	1.7	ND	ND	ND	2.2	0.036	ND
01LC-MW03SW	12/10/03	Lacamas Cr.	0.24	0.60	0.19	0.35	3.6	0.34	0.42	2.4	0.12	0.21	0.21	2.8	ND	nt
01LC-MW08DW	12/16/03	Lacamas Cr.	0.05	1.0	ND	ND	0.55	0.23	0.16	1.1	ND	ND	ND	4.9	0.041	ND
01LC-MW04SW	12/10/03	Lacamas Cr.	0.18	0.16	0.14	0.24	0.58	0.34	0.18	1.2	0.05	0.15	0.14	5.4	ND	nt
01LC-MW09DW	12/16/03	Lacamas Cr.	0.06	1.8	ND	ND	0.90	0.30	0.05	1.4	0.09	ND	ND	11.1	0.028	ND
01LC-MW05SW	12/15/03	Demo Area 3	0.16	2.0	0.08	0.28	1.6	0.44	0.22	2.1	0.15	0.10	0.09	3.7	ND	nt
01LC-MW10DW	12/15/03	Demo Area 3	0.14	1.0	ND	0.09	1.7	0.15	0.07	2.7	0.18	ND	ND	2.6	ND	nt
01LC-MW11SW	12/15/03	Demo Area 3	0.06	1.1	ND	ND	1.2	0.79	0.20	2.9	0.37	ND	ND	3.0	ND	nt
01LC-MW12SW	12/15/03	Demo Area 3	0.17	3.5	ND	0.32	1.6	0.30	0.14	2.7	0.17	ND	ND	3.0	ND	nt
01LC-MW13SW	12/15/03	Demo Area 3	0.15	1.4	ND	0.32	1.5	0.70	0.23	3.4	0.28	0.04	ND	4.3	ND	nt
01LC-MW14SW	12/11/03	Demo Area 2	0.07	0.11	0.04	0.04	0.41	0.23	0.10	0.99	ND	0.05	0.04	1.6	ND	nt
010LC-MW15W	12/11/03	Demo Area 2	ND	0.23	0.05	ND	0.42	0.27	0.08	1.4	0.05	ND	ND	2.5	ND	nt
010LC-MW16W	12/11/03	Demo Area 2	0.07	3.7	0.03	0.06	0.52	0.10	0.06	1.1	0.07	0.05	0.03	2.5	ND	nt
01L4-MW01AW	12/17/03	Landfill 4	ND	ND	ND	ND	0.66	0.11	0.13	1.6	0.10	ND	ND	4.2	0.029	nt
01L4-MW01BW	12/17/03	Landfill 4	0.13	ND	0.04	ND	0.85	0.09	0.08	0.66	ND	0.06	ND	1.3	0.024	nt
01L4-MW02AW	12/17/03	Landfill 4	ND	ND	0.04	ND	0.90	0.15	ND	1.9	0.09	ND	ND	2.5	0.027	nt
01L4-MW02BW	12/17/03	Landfill 4	ND	ND	0.05	0.06	0.41	0.41	0.09	1.1	ND	ND	ND	5.3	0.027	nt
01L4-MW03AW	12/18/03	Landfill 4	ND	ND	ND	ND	1.4	0.21	0.23	1.5	ND	ND	ND	4.9	0.037	nt
01L4-MW03BW	12/18/03	Landfill 4	ND	ND	ND	0.35	0.70	0.43	0.19	1.7	0.08	ND	ND	7.7	0.025	nt
01L4-MW04AW	12/17/03	Landfill 4	ND	ND	ND	0.15	1.1	0.26	0.17	3.3	0.06	ND	ND	7.4	0.028	nt
01L4-MW05AW	12/18/03	Landfill 4	ND	ND	ND	ND	0.74	0.19	0.18	1.8	ND	ND	ND	3.1	0.028	nt
01L4-MW07BW	12/18/03	Landfill 4	ND	0.14	ND	ND	1.0	0.51	ND	1.5	ND	ND	ND	2.2	0.026	nt
01LCMW100DW (field duplicate of 01LC-MW09DW)	12/16/03	Lacamas Cr.	0.25	1.6	0.08	ND	0.85	0.41	0.13	1.3	0.13	0.11	0.09	3.1	0.023	ND
01L4-MW110AW (duplicate of 01L4- MW02BW)	12/17/03	Landfill 4	ND	ND	0.04	ND	0.47	0.23	ND	1.6	ND	ND	ND	3.5	0.026	nt
01L4-MW115AW (field rinsate; deionized water)	12/17/03	Landfill 4	ND	ND	ND	ND	0.21	ND	ND	0.07	ND	ND	ND	1.1	0.026	nt
01LC-MW09DW (DISS) D; (lab duplicate of 01LC- MW09DW)	12/16/03	Lacamas Cr.	ND	2	ND	ND	0.9	0.29	ND	1.3	0.08	ND	ND	3.0	0.027	nt
Lab detection limit			0.05	0.04	0.02	0.04	0.04	0.08	0.05	0.04	0.04	0.04	0.02	0.77	0.007	1.0
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (ug/L)			1.4 - 8		0.02			592		320	80	80	1.1	4800	4800	
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested nt - Sample not tested ug/L - micrograms per liter ND - Not detected to the limit of laboratory detection indicated n/a - Not applicable. MTCA Method A Cleanup Level not provided. WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.																

**TABLE 6. VOLATILE ORGANIC COMPOUNDS
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (ug/L)						
			1,1-Dichloroethene	Methylene chloride (see Note)	1,1-Dichloroethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Tetrachloroethene	Chloroform
01L4-MW02BW	12/17/03	Landfill 4	27	0.5	37	170	180	0.6	ND
01L4-MW05AW	12/18/03	Landfill 4	ND	ND	ND	ND	ND	0.7	ND
01LC-MW100DW (duplicate of 01LC-MW09DW)	12/16/03	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND
Trip Blank	12/16/03	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND
01MW204 (Trip Blank)	12/10/03	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND
01L4-MW110AW (duplicate of 01L4-MW02BW)	12/17/03	Landfill 4	27	0.6	37	160	180	0.7	ND
01L4-MW115AW (field rinsate; deionized water)	12/17/03	Landfill 4	ND	ND	ND	0.6	ND	ND	7.4
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	n/a	200	n/a	n/a	n/a
<p>Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.</p> <p>nt - Sample not tested</p> <p>ug/L - micrograms per liter</p> <p>ND - Not detected to the limit of laboratory detection indicated</p> <p>n/a - Not applicable. MTCA Method A Cleanup Level not provided.</p> <p>Methylene chloride is a common laboratory solvent and may indicate laboratory contamination.</p>									

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Parameters at Time of Sampling									
Sample No.	Date	Time	Depth to Water*	Temp (degrees C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Color and Relative Turbidity	Notes
01LC-MW01SW	12/10/03	1050	4.47	12.33	0.15	n.m.	6.59	clear	
01LC-MW06DW	12/16/03	1115	4.44	11.65	0.119	n.m.	6.24	clear	
01LC-MW02SW	12/10/03	1215	4.88	12.11	0.14	n.m.	6.84	clear	
01LC-MW07DW	12/16/03	1200	5.03	11.47	0.1	8.3	6.22	clear	
01LC-MW03SW	12/10/03	1330	4.26	12.39	0.13	n.m.	6.9	clear	
01LC-MW08DW	12/16/03	1235	4.26	11.02	0.113	7.8	6.19	clear	
01LC-MW04SW	12/10/03	1430	4.23	11.56	0.11	n.m.	7.42	clear	
01LC-MW09DW	12/16/03	1330	4.49	10.79	0.145	8.3	6.07	clear	
01LC-MW05SW	12/15/03	1440	7.47	11.59	0.187	6.5	6.7	clear	
01LC-MW10DW	12/15/03	1415	0.22	11.19	0.169	3.9	6.52	clear	
01LC-MW11SW	12/15/03	1515	5.2	11.32	0.298	6.0	6.49	sl. turbid	
01LC-MW12SW	12/15/03	1615	9.11	10.63	0.355	6.3	6.48	clear	
01LC-MW13SW	12/15/03	1335	5.10	10.94	0.692	4.0	6.52	clear	
010LC-MW14W	12/11/03	1120	5.18	10.11	2120	n.m	10.4	clear	See Notes
010LC-MW15W	12/11/03	1235	9.37	9.44	2720	n.m	11.6	clear	See Notes
010LC-MW16W	12/11/03	1315	7.29	10.22	2110	n.m	9.82	clear	See Notes
01L4-MW01AW	12/17/03	1615	16.48	10.66	0.057	6.3	2.69	sl. turbid, brown	
01L4-MW01BW	12/17/03	1600	55.4	10.02	0.026	9.4	3.16	clear	

**TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

			Parameters at Time of Sampling						
Sample No.	Date	Time	Depth to Water*	Temp (degrees C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Color and Relative Turbidity	Notes
01L4-MW02AW	12/17/03	1415	40.2	11.05	0.031	9.3	2.96	cloudy, red-brown	
01L4-MW02BW	12/17/03	1300	29.37	11.78	0.026	5.5	2.63	red-brown, then clear	
01L4-MW03AW	12/18/03	1115	28.2	10.81	0.025	8.9	3.02	clear	
01L4-MW03BW	12/18/03	1045	25.65	10.99	0.05	7.7	2.73	clear	
01L4-MW04AW	12/17/03	1500	26.85	10.24	0.02	7.1	3.25	clear	
01L4-MW05AW	12/18/03	1000	23.34	10.14	0.027	8.5	2.28	turbid, red-brown	
01L4-MW07BW	12/18/03	1200	39.53	9.95	0.039	8.2	3.37	clear	

Notes: * = depth in feet measured from top of well PVC casing in December 2004
Water quality parameter meter pH and conductivity probes not functioning correctly for wells LC-MW14, LC-MW15, LC-MW16. Readings for these wells have suspect accuracy.
n.m. = not measured

**TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Well No.	WADOE Tag No.	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Well No. in Previous Reports
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	L4-MW07B

* = screened interval reported on well completion logs
 ** = depth in feet measured from top of well PVC casing in December 2004
 N/A = not available

TABLE 5. DISSOLVED METALS AND TOC - 1st QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (ug/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
02LC-MW01SW	3/16/2004	Lacamas Cr.	ND	0.22	ND	0.02	0.47	0.23	0.03	1.0	ND	ND	ND	1.4	ND	<1.0
02LC-MW06DW	3/16/2004	Lacamas Cr.	ND	0.5	ND	0.03	0.56	0.25	0.03	2.3	0.18	ND	0.01	2.7	0.036	<1.0
02LC-MW02SW	3/16/2004	Lacamas Cr.	ND	0.67	ND	0.01	0.47	0.19	0.03	0.84	ND	0.03	ND	3.3	ND	<1.0
02LC-MW07DW	3/16/2004	Lacamas Cr.	0.19	0.67	ND	0.05	0.4	0.2	0.03	1.3	0.1	0.14	0.03	1.2	ND	<1.0
02LC-MW03SW	3/17/2004	Lacamas Cr.	0.16	0.42	ND	0.04	0.33	0.17	0.04	0.74	0.07	0.14	0.02	6.0	ND	<1.0
02LC-MW08DW	3/17/2004	Lacamas Cr.	ND	0.88	ND	0.01	0.38	0.21	0.04	0.9	0.12	ND	ND	0.84	ND	<1.0
02LC-MW04SW	3/16/2004	Lacamas Cr.	ND	0.1	ND	0.04	0.43	0.15	0.02	0.68	0.13	0.03	ND	1.5	ND	<1.0
02LC-MW09DW	3/16/2004	Lacamas Cr.	ND	1.5	ND	0.01	0.6	0.27	0.03	1.1	0.1	ND	ND	2.2	ND	<1.0
02LC-MW05SW	3/15/2004	Demo Area 3	ND	1.9	ND	0.1	0.86	0.3	0.03	1.1	0.28	ND	ND	ND	ND	nt
02LC-MW10DW	3/15/2004	Demo Area 3	0.09	0.8	ND	0.07	0.55	0.33	0.03	1.1	0.28	ND	ND	2.6	ND	nt
02LC-MW11SW	3/15/2004	Demo Area 3	ND	0.67	ND	0.26	0.6	0.93	0.02	2.5	0.44	ND	ND	4.1	ND	nt
02LC-MW12SW	3/15/2004	Demo Area 3	ND	3.4	ND	0.32	1.0	0.60	0.06	2.1	0.59	ND	0.01	5.4	ND	nt
02LC-MW13SW	3/15/2004	Demo Area 3	ND	1.7	ND	0.16	1.0	0.61	0.22	3.2	0.3	ND	0.02	2.0	ND	nt
02LC-MW14W	3/11/2004	Demo Area 2	ND	0.2	ND	0.16	1.3	2.1	0.17	1.1	0.17	0.02	0.01	4.1	ND	nt
02LC-MW15W	3/15/2004	Demo Area 2	ND	0.15	0.06	0.14	1.3	2.7	0.71	1.1	0.17	ND	ND	3.4	ND	nt
02LC-MW16W	3/15/2004	Demo Area 2	ND	3.2	ND	0.58	0.61	0.41	0.03	2.2	0.35	0.04	ND	1.6	ND	nt
02L4-MW01AW	3/10/2004	Landfill 4	0.4	0.08	0.22	0.22	1.2	0.23	0.24	2.6	0.15	0.2	0.22	4.7	ND	nt
02L4-MW01BW	3/10/2004	Landfill 4	0.13	0.03	0.07	0.07	1.1	0.16	0.08	1.3	0.04	0.07	0.06	0.9	ND	nt
02L4-MW02AW	3/10/2004	Landfill 4	ND	ND	0.07	0.44	1.1	0.29	0.01	2.2	0.66	0.03	ND	3.4	ND	nt
02L4-MW02BW	3/10/2004	Landfill 4	ND	ND	0.04	0.22	0.61	0.33	0.04	0.9	0.11	ND	ND	4.5	ND	nt
02L4-MW03AW	3/11/2004	Landfill 4	ND	ND	0.02	0.09	0.94	0.22	0.02	0.83	0.18	ND	ND	0.76	ND	nt
02L4-MW03BW	3/11/2004	Landfill 4	ND	ND	0.02	0.26	1.20	1.1	0.2	1.7	0.23	ND	ND	4.7	ND	nt
02L4-MW04AW	3/10/2004	Landfill 4	ND	ND	ND	0.07	1.2	0.14	0.18	1.2	0.17	ND	ND	2.6	ND	nt
02L4-MW05AW	3/11/2004	Landfill 4	ND	ND	0.01	0.14	0.7	0.15	0.02	1.4	0.16	ND	ND	3.7	ND	nt
02L4-MW07BW	3/10/2004	Landfill 4	ND	0.12	ND	0.15	1.3	0.27	0.04	1.8	0.18	ND	ND	1.6	ND	nt
02L4MW200W (field duplicate of 02L4-MW05AW)	3/10/2004	Landfill 4	ND	ND	0.01	0.56	0.60	0.13	0.01	1.6	0.15	ND	ND	2.0	ND	nt
02LCMW220W (field duplicate of 02LC-MW03SW)	3/17/2004	Lacamas Creek / Base Boundary	ND	0.43	ND	0.03	0.29	0.16	0.02	0.69	ND	0.03	ND	1.3	ND	<1.0
02LCMW210W (field rinsate; deionized water)	3/15/2004	Demo Area 3	ND	ND	ND	0.13	0.41	0.08	0.01	0.05	0.07	ND	ND	0.7	ND	nt
Lab detection limit			0.05	0.04	0.01	0.04	0.04	0.08	0.05	0.04	0.04	0.04	0.02	0.77	0.007	1.0
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (ug/L)			1.4 - 8		0.02			592		320	80	80	1.1	4800	4800	
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested																
nt - Sample not tested																
ug/L - micrograms per liter																
ND - Not detected to the limit of laboratory detection indicated																
n/a - Not applicable. MTCA Method A Cleanup Level not provided.																
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.																

**TABLE 6. VOLATILE ORGANIC COMPOUNDS - 1st QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (ug/L)							
			1,1-Dichloroethene	Methylene chloride (see Note)	1,1-Dichloroethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Tetrachloroethene	Trichlorofluoromethane	Chloroform
02L4-MW02BW	3/10/2004	Landfill 4	30	ND	41	170	190	0.7 J	0.8 J	ND
02L4-MW05AW	3/11/2004	Landfill 4	ND	ND	ND	ND	ND	0.9 J	ND	ND
02L4MW200W (field duplicate of 02L4-MW05AW)	3/10/2004	Landfill 4	ND	ND	ND	ND	ND	0.8 J		ND
Trip Blank TB-1	3/11/2004	Landfill 4	ND	2.3	ND	ND	ND	ND	ND	ND
02LCMW210W (field rinsate; deionized water)	3/15/2004	Demo Area 3	ND	ND	ND	ND	ND	ND	ND	4.6
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	n/a	200	n/a	n/a		n/a
<p>Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested. nt - Sample not tested ND - Not detected to the limit of laboratory detection indicated ug/L - micrograms per liter J = value estimated n/a - Not applicable. MTCA Method A Cleanup Level not provided. Methylene chloride is a common laboratory solvent and may indicate laboratory contamination.</p>										

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 1st QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling									
Sample No.	Date	Time	Depth to Water in Feet*	Temp (degrees C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Color and Relative Turbidity	Notes
02LC-MW01SW	3/16/04	1033	4.90	10.51	0.093	6.4	8.39	clear	
02LC-MW06DW	3/16/04	1035	5.29	11.38	0.118	7.1	8.70	clear	
02LC-MW02SW	3/16/04	1236	5.35	10.70	0.101	6.4	9.26	clear	
02LC-MW07DW	3/16/04	1138	8.21	11.36	0.101	7.0	9.33	clear	
02LC-MW03SW	3/17/04	1025	4.80	10.67	0.095	8.0	8.93	clear	
02LC-MW08DW	3/17/04	1026	4.80	11.01	0.115	6.9	8.46	clear	
02LC-MW04SW	3/16/04	1436	4.68	9.67	0.092	6.4	9.11	clear	
02LC-MW09DW	3/16/04	1515	5.50	10.51	0.124	6.9	8.52	clear	
02LC-MW05SW	3/15/04	1325	6.67	10.61	0.198	5.4	9.55	clear	
02LC-MW10DW	3/15/04	1357	0.18	11.08	0.164	5.4	8.83	clear	See Notes
02LC-MW11SW	3/15/04	1240	6.09	9.72	0.428	4.0	9.34	clear	
02LC-MW12SW	3/15/04	1445	7.30	10.62	0.367	5.1	9.75	clear	
02LC-MW13SW	3/15/04	1441	6.82	11.15	0.451	4.3	9.61	clear	
020LC-MW14W	3/11/04	1401	5.68	8.93	0.046	5.1	8.03	clear	
020LC-MW15W	3/15/04	1002	9.24	9.63	0.031	5.8	8.32	cloudy	
020LC-MW16W	3/15/04	1048	7.05	10.44	0.476	3.9	10.01	cloudy	

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 1st QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling									
Sample No.	Date	Time	Depth to Water in Feet*	Temp (degrees C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Color and Relative Turbidity	Notes
02L4-MW01AW	3/10/04	1111	15.98	10.39	0.048	5.8	7.86	slightly cloudy	
02L4-MW01BW	3/10/04	1110	12.18	10.08	0.028	7.4	8.09	slightly cloudy	
02L4-MW02AW	3/10/04	1455	23.64	11.25	0.084	6.9	7.60	red-brown	
02L4-MW02BW	3/10/04	1457	29.58	11.70	0.028	3.0	7.50	red-brown, cloudy	
02L4-MW03AW	3/11/04	1030	27.82	11.00	0.027	7.2	7.42	clear	
02L4-MW03BW	3/11/04	1102	25.10	11.15	0.041	6.4	7.76	clear	
02L4-MW04AW	3/10/04	1340	27.01	11.39	0.021	6.0	8.01	clear	very slow recovery
02L4-MW05AW	3/11/04	1145	22.60	10.58	0.028	6.6	7.57	slightly red-brown	
02L4-MW07BW	3/10/04	1020	38.84	9.92	0.042	6.0	8.16	clear	
Notes:									
* = depth in feet measured from top of well PVC casing.									
Water level in monitoring well LC-MW10D at top rim of steel casing when opened on 3/15/04.									
Field parameters of temperature, conductivity, dissolved oxygen and pH measured with a YSI Model 5563 meter.									

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = screened interval reported on well completion logs

** = depth in feet measured from top of well PVC casing

N/A = not available

DRAFT

**TABLE 5. DISSOLVED METALS AND TOC - 2nd QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (ug/L)													DOC (mg/L)	
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury		
03LCMW01SW	6/15/04	Lacamas Cr.	0.03	0.25	ND	ND	0.94	0.1	0.05	0.5	ND	ND	ND	ND	ND	ND	<1.0
03LCMW06DW	6/15/04	Lacamas Cr.	0.58	0.64	0.15	0.08	1.1	0.12	0.18	0.87	0.22	0.16	0.18	ND	ND	ND	<1.0
03LCMW02SW	6/15/04	Lacamas Cr.	ND	0.64	ND	ND	1.2	0.21	ND	0.61	ND	ND	ND	ND	ND	ND	<1.0
03LCMW07DW	6/15/04	Lacamas Cr.	0.1	0.78	ND	ND	0.96	ND	0.02	0.85	ND	ND	ND	ND	ND	ND	<1.0
03LCMW03SW	6/16/04	Lacamas Cr.	ND	0.49	ND	ND	0.8	ND	ND	0.3	ND	ND	ND	ND	ND	ND	<1.0
03LCMW08DW	6/16/04	Lacamas Cr.	0.13	1.0	ND	ND	0.91	ND	0.11	0.41	0.04	ND	ND	ND	ND	ND	<1.0
03LCMW04SW	6/16/04	Lacamas Cr.	ND	0.09	ND	ND	0.94	0.14	ND	0.33	ND	ND	ND	0.38	ND	ND	<1.0
03LCMW09DW	6/16/04	Lacamas Cr.	0.04	1.6	ND	ND	1.1	ND	ND	1.1	ND	ND	ND	1.5	ND	ND	<1.0
03LCMW05SW	6/22/04	Demo Area 3	ND	2.1	ND	ND	1.3	0.26	0.01	1.1	0.26	ND	ND	1.2	ND	nt	
03LCMW10DW	6/22/04	Demo Area 3	0.14	0.84	ND	ND	0.87	0.27	0.01	0.99	0.34	ND	ND	2.3	ND	nt	
03LCMW11SW	6/22/04	Demo Area 3	ND	0.76	ND	ND	0.9	0.62	0.02	2.5	0.43	ND	ND	4.5	ND	nt	
03LCMW12SW	6/22/04	Demo Area 3	ND	1.8	ND	ND	1.1	0.54	0.04	1.1	0.32	ND	ND	2.0	ND	nt	
03LCMW13SW	6/22/04	Demo Area 3	ND	3.2	ND	ND	1.4	0.43	0.03	1.4	0.66	ND	ND	1.5	ND	nt	
03LCMW14W	6/16/04	Demo Area 2	ND	0.15	ND	ND	1.2	2.1	0.13	0.51	ND	ND	ND	1.7	ND	nt	
03LCMW15W	6/16/04	Demo Area 2	0.09	ND	0.04	ND	0.8	0.25	ND	0.61	0.05	0.04	ND	2.5	ND	nt	
03LCMW16W	6/17/04	Demo Area 2	ND	3.6	ND	ND	0.88	0.14	0.01	1.8	0.29	ND	ND	2.2	ND	nt	
03L4MW01AW	6/18/04	Landfill 4	ND	ND	ND	ND	1.2	0.16	0.03	1.6	0.28	ND	ND	3.7	ND	nt	
03L4MW01BW	6/18/04	Landfill 4	ND	ND	0.01	ND	1.3	0.09	0.01	0.61	ND	ND	ND	1.4	ND	nt	
03L4MW02AW	6/18/04	Landfill 4	ND	ND	0.06	ND	1.9	0.15	0.01	2.0	0.41	ND	ND	2.1	ND	nt	
03L4MW02BW	6/18/04	Landfill 4	ND	0.97	0.24	0.13	3.5	0.15	0.05	1.9	0.23	ND	ND	9.4	ND	nt	
03L4MW03AW	6/17/04	Landfill 4	ND	ND	0.02	ND	1.1	0.08	0.01	1.2	0.13	ND	ND	1.6	ND	nt	
03L4MW03BW	6/23/04	Landfill 4	0.13	0.05	0.04	ND	1.5	0.28	0.04	4.7	0.33	ND	ND	3.7	ND	nt	
03L4MW04AW	6/18/04	Landfill 4	ND	ND	0.02	0.06	1.2	0.17	0.11	3.7	0.2	ND	ND	3.0	ND	nt	
03L4MW05AW	6/18/04	Landfill 4	ND	ND	0.02	ND	1.2	0.17	0.01	2.2	0.21	ND	ND	2.7	ND	nt	
03L4MW07BW	6/21/04	Landfill 4	ND	0.21	ND	ND	1.4	0.09	ND	1.8	0.21	ND	ND	0.92	ND	nt	
03L4MW17W	6/21/04	Landfill 4	0.13	0.25	ND	ND	0.91	1.2	0.05	1.7	0.59	ND	ND	0.85	ND	nt	
03L4MW18W	6/21/04	Landfill 4	ND	0.06	ND	ND	1.2	0.09	0.03	2.6	0.11	ND	ND	1.0	ND	nt	
03LCMW110W (field duplicate of 03LCMW02SW)	6/15/2004	Lacamas Creek / Base Boundary	ND	0.72	ND	ND	0.84	0.17	ND	0.23	ND	ND	ND	0.35	ND	ND	<1.0
03L4MW115SW (field duplicate of 03L4MW03AW)	6/17/2004	Landfill 4	ND	ND	0.02	ND	1.1	0.11	ND	1.0	0.16	ND	ND	1.2	ND	ND	<1.0
03LCMW120SW (field duplicate of 03LCMW05SW)	6/22/2004	Demo Area 3	0.54	2.0	ND	ND	1.5	0.24	0.01	1.5	0.36	0.15	ND	1.8	ND	ND	nt
03LCMW220W (field rinsate; deionized water)	6/22/2004	Demo Area 3	ND	ND	ND	ND	0.68	0.12	0.01	0.10	0.08	ND	ND	1.3	ND	ND	<1.0
Lab detection limit			0.05	0.04	0.01	0.04	0.04	0.08	0.05	0.04	0.04	0.04	0.02	0.77	0.007	1.0	
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a	
WA MTCA Method B Levels (ug/L)			1.4 - 8		0.02			592		320	80	80	1.1	4800	4800		

Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
 nt - Sample not tested
 ug/L - micrograms per liter
 ND - Not detected to the limit of laboratory detection indicated
 n/a - Not applicable. MTCA Method A Cleanup Level not provided.
 WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

DRAFT

**TABLE 6. VOLATILE ORGANIC COMPOUNDS - 2nd QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (ug/L)									
			1,1-Dichloroethene	Methylene chloride (see Note)	1,1-Dichloroethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Tetrachloroethene	Trichlorofluoromethane	2-Butanone	Acetone (see Note)	Chloroform
02L4-MW02BW	6/18/2004	Landfill 4	27	ND	36	150	170	0.7 J	0.6 J	ND	59	ND
02L4-MW05AW	6/18/2004	Landfill 4	ND	ND	ND	ND	ND	0.8 J	ND	ND	ND	ND
02L4-MW17W	6/21/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND
02L4-MW18W	6/21/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND
03LCMW220W (field rinsate; deionized water)	6/22/2004	Demo Area 3	ND	ND	ND	ND	ND	0.8 J	ND	0.8 J	2.3	10
Trip Blank TB-1	6/15/2004	Base Boundary	ND	0.9J	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blank TB-2	6/21/2004	Landfill 4	ND	2.2	ND	ND	ND	ND	ND	ND	4.2	ND
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	5.0	1.0
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	n/a	200	n/a	n/a	n/a	n/a	n/a	n/a
Note: Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested. nt - Sample not tested ND - Not detected to the limit of laboratory detection indicated ug/L - micrograms per liter J = value estimated n/a - Not applicable. MTCA Method A Cleanup Level not provided. Methylene chloride and acetone are common laboratory solvents and may indicate laboratory contamination.												

DRAFT TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 2nd QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling									
Sample No.	Date	Time	Depth to Water in Feet*	Temp (degrees C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Color and Relative Turbidity	Notes
03LCMW01SW	6/15/04	1115	4.91	12.0	81	-	6.81	clear	
03LCMW06DW	6/15/04	1220	5.22	12.8	116	-	6.82	clear	
03LCMW02SW	6/15/04	1437	5.45	12.0	84	-	6.90	clear	
03LCMW07DW	6/15/04	1435	5.95	13.4	88	-	6.87	clear	
03LCMW03SW	6/16/04	1015	4.93	12.2	81	-	7.48	clear	
03LCMW08DW	6/16/04	1016	5.15	11.9	96	-	7.46	clear	
03LCMW04SW	6/16/04	1338	4.95	12.1	83	-	7.46	sl.cloudy	
03LCMW09DW	6/16/04	1405	5.73	12.7	118	-	7.48	clear	
03LCMW05SW	6/22/04	1332	6.95	12.1	155	-	-	clear	
03LCMW10DW	6/22/04	1400	0	12.1	138	-	-	clear	See Notes
03LCMW11SW	6/22/04	1255	7.29	11.3	315	-	-	sl.cloudy	Pumped dry during sampling
03LCMW12SW	6/22/04	1440	6.89	12.5	255	-	-	clear	
03LCMW13SW	6/22/04	1313	7.24	11.9	273	-	-	clear	
03LCMW14W	6/16/04	1520	5.29	11.8	33	-	7.09	cloudy	
03LCMW15W	6/17/04	1044	9.24	11.6	18	-	7.10	cloudy	
03LCMW16W	6/17/04	1120	7.10	12.0	357	-	7.09	clear	

DRAFT TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 2nd QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling									
Sample No.	Date	Time	Depth to Water in Feet*	Temp (degrees C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Color and Relative Turbidity	Notes
03L4MW01AW	6/18/04	1019	16.45	11.8	69	-	-	cloudy, brown	
03L4MW01BW	6/18/04	1020	13.11	11.1	16	-	-	clear	
03L4MW02AW	6/18/04	1152	25.60	12.9	32	-	-	sl. cloudy	
03L4MW02BW	6/18/04	1150	30.54	13.0	62	-	-	cloudy	
03L4MW03AW	6/17/04	1406	27.86	12.5	14	-	-	sl. cloudy	
03L4MW03BW	6/23/04	1145	26.64	12.3	37	-	-	cloudy	Pumped dry during sampling
03L4MW04AW	6/18/04	1438	27.50	15.3	13	-	-	sl. cloudy	Very slow recovery
03L4MW05AW	6/18/04	1410	23.86	11.6	16	-	-	slightly red-brown	
03L4MW07BW	6/21/04	1115	39.60	11.3	25	-	-	clear	
03L4MW17W	6/21/04	1240	10.48	15.0	205	-	-	clear	
03L4MW18W	6/21/04	1205	11.63	12.3	119	-	-	silty, brown	

Notes: * = depth in feet measured from top of well PVC casing.
 - = parameter not measured in field
 Water level in monitoring well LC-MW10D at top rim of steel casing when opened on 6/22/04.
 Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Sample Notes and Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	L4-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	L4-MW18

Notes:

* = screened interval reported on well completion logs

** = depth in feet measured from top of well PVC casing

N/A = not available

**TABLE 5. DISSOLVED METALS AND TOC - 3rd QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (ug/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
04LCMW01SW	9/15/04	Lacamas Cr.	ND	0.21	ND	0.05	0.51	0.18	0.05	0.7	ND	ND	ND	1.7	ND	<1.0
04LCMW01DW	9/15/04	Lacamas Cr.	ND	0.37	ND	0.06	0.64	0.34	0.16	1.3	ND	ND	0.02	2.0	ND	<1.0
04LCMW02SW	9/15/04	Lacamas Cr.	ND	0.5	ND	0.13	0.44	0.18	0.07	0.56	ND	0.03	ND	1.4	ND	<1.0
04LCMW02DW	9/15/04	Lacamas Cr.	ND	0.72	ND	0.1	1.2	0.19	0.06	2.4	ND	ND	ND	1.0	ND	<1.0
04LCMW03SW	9/20/04	Lacamas Cr.	ND	0.45	ND	0.48	0.88	0.16	0.05	0.73	ND	ND	ND	3.1	ND	<1.0
04LCMW03DW	9/20/04	Lacamas Cr.	ND	0.9	ND	0.14	0.87	0.16	0.03	0.84	0.11	ND	ND	1.4	ND	<1.0
04LCMW04SW	9/20/04	Lacamas Cr.	0.09	0.12	ND	0.09	0.89	0.17	0.03	0.59	ND	0.05	ND	2.5	ND	<1.0
04LCMW04DW	9/20/04	Lacamas Cr.	0.63	1.4	0.02	0.04	0.9	0.29	0.05	1.2	ND	0.18	0.02	3.2	ND	<1.0
04LCMW05SW	9/14/04	Demo Area 3	0.37	1.7	ND	0.07	1.0	0.31	0.07	1.3	ND	0.09	0.01	1.3	ND	nt
04LCMW05DW	9/14/04	Demo Area 3	0.3	0.77	ND	0.17	0.92	0.42	0.08	1.6	0.25	0.07	0.02	12.1	ND	nt
04LCMW06SW	9/14/04	Demo Area 3	0.84	0.66	ND	0.08	0.56	0.77	0.08	1.6	0.25	0.22	0.03	3.3	ND	nt
04LCMW07SW	9/14/04	Demo Area 3	0.24	4.0	ND	0.07	1.3	0.39	0.06	1.1	0.25	0.08	0.01	1.2	ND	nt
04LCMW08SW	9/14/04	Demo Area 3	0.7	1.5	ND	0.08	0.8	0.41	0.06	0.97	ND	0.21	0.04	1.2	ND	nt
04LCMW09SW	9/15/04	Demo Area 2	0.25	0.05	ND	0.11	0.56	0.66	0.07	0.77	ND	0.07	ND	3.9	ND	nt
04LCMW10SW	9/15/04	Demo Area 2	0.08	0.22	0.03	0.31	1.0	1.7	0.32	0.8	ND	0.04	ND	3.5	ND	nt
04LCMW11SW	9/15/04	Demo Area 2	ND	3.8	ND	0.06	0.73	0.37	0.07	2.0	0.18	ND	ND	3.3	ND	nt
04L4MW01AW	9/21/04	Landfill 4	ND	ND	0.03	0.22	1.0	0.18	0.06	1.6	ND	ND	ND	3.2	ND	nt
04L4MW01BW	9/21/04	Landfill 4	ND	ND	ND	0.17	4.9	0.29	0.03	0.83	ND	ND	ND	3.1	ND	nt
04L4MW02AW	9/21/04	Landfill 4	ND	ND	0.04	0.18	1.4	0.35	0.08	1.7	0.11	ND	ND	3.2	ND	nt
04L4MW02BW	9/21/04	Landfill 4	ND	0.6	0.28	0.28	1.6	0.39	0.16	2.2	2.0	ND	ND	14.0	ND	nt
04L4MW03AW	9/21/04	Landfill 4	ND	ND	0.03	0.04	1.3	0.2	0.12	1.2	ND	ND	ND	3.0	ND	nt
04L4MW03BW	9/21/04	Landfill 4	ND	ND	ND	0.19	2.1	0.41	0.15	2.3	ND	ND	0.01	3.7	ND	nt
04L4MW04AW	9/21/04	Landfill 4	0.27	ND	ND	0.1	2.0	5.0	0.15	2	ND	0.07	ND	3.6	ND	nt
04L4MW05AW	9/21/04	Landfill 4	ND	ND	0.02	0.11	1.6	0.25	0.04	1.2	ND	0.03	0.01	4.3	ND	nt
04L4MW07BW	9/16/04	Landfill 4	ND	0.11	ND	0.12	1.3	0.26	0.06	2.1	ND	ND	ND	0.86	ND	nt
04L4MW17W	9/16/04	Landfill 4	ND	0.88	ND	0.08	0.72	0.46	0.14	2.3	0.18	ND	ND	1.3	ND	nt
04L4MW18W	9/16/04	Landfill 4	ND	0.05	ND	0.07	1.4	0.19	0.04	1.9	ND	ND	ND	0.8	ND	nt
04LCMW125SW (field duplicate of 04LCMW02DW)	9/16/04	Lacamas Cr.	ND	0.65	ND	0.15	1.1	0.23	0.07	1.9	ND	ND	ND	1.80	ND	<1.0
04LCMW130SW (field duplicate of 04LCMW05DW)	9/14/04	Demo Area 3	0.17	0.82	ND	0.18	0.82	0.54	0.1	1.2	0.3	0.03	0.01	11.50	ND	nt
04L4MW135SW (field duplicate of 04L4MW07BW)	9/16/04	Landfill 4	ND	0.16	ND	0.1	1.1	0.19	0.11	1.8	ND	ND	ND	0.91	ND	nt
04LCMW03DW (MS/MSD) (duplicate of 04LCMW03DW)	9/20/04	Lacamas Cr.	ND	0.88	ND	0.14	0.87	0.16	0.03	0.84	0.11	ND	ND	1.38	ND	<1.0
04L4MW230W (field rinseate; deionized water)	9/21/04	Landfill 4	ND	ND	ND	0.07	0.83	0.19	0.14	0.36	ND	ND	ND	4.2	ND	<1.0
Lab detection limit			0.05	0.04	0.01	0.04	0.04	0.08	0.05	0.04	0.04	0.04	0.02	0.77	0.03	1.0
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (ug/L)			1.4 - 8		0.02			592		320	80	80	1.1	4800	4800	
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested nt - Sample not tested ug/L - micrograms per liter ND - Not detected to the limit of laboratory detection indicated n/a - Not applicable. MTCA Method A Cleanup Level not provided. WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.																

**TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 3rd QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (ug/L)															SVOC (ug/l)
			1,1-Dichloroethene	Chloromethane	Methylene chloride (see Note)	1,1-Dichloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Benzene	Tetrachloroethene	Trichlorofluoromethane	2-Butanone	Carbon Disulfide	Bromomethane	Acetone (see Note)	Chloroform	bis(2-Ethylhexyl)phthalate
04L4MW02BW	9/21/2004	Landfill 4	27	1.8	ND	30	41	140	160	0.6 (J)	1.1	0.6 (J)	3.4 (J)	ND	7.7	11	ND	ND
04L4MW05AW	9/21/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
04L4MW17W	9/16/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	3.4 (J)	ND	ND
04LCMW04DW	9/20/2004	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 (J)
04L4MW230W (field rinsate; deionized water)	9/21/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 (J)	1.3	1.3
Trip Blank TB-1	9/15/2004	Base Boundary	ND	ND	0.9 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blank TB-2	9/16/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0 (J)	ND	ND
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	ND	ND	5.0	1.0	1.0
WA MTCA Method A Cleanup Levels (ug/L)			n/a	5	5	n/a	n/a	200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Note:
 Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.
 nt - Sample not tested
 ND - Not detected to the limit of laboratory detection indicated
 ug/L - micrograms per liter
 J = value estimated
 n/a - Not applicable. MTCA Method A Cleanup Level not provided.
 Methylene chloride and acetone are common laboratory solvents and may indicate laboratory contamination.

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 3rd QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling									
Sample No.	Date	Time	Depth to Water in Feet*	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
04LCMW01SW	9/15/2004	1320	6.00	13.3	84	42	7.02	clear	
04LCMW01DW	9/15/2004	1340	6.50	12.8	111	56	7.07	clear	
04LCMW02SW	9/15/2004	1420	7.15	12.5	81	41	6.96	clear	
04LCMW02DW	9/16/2004	1510	7.45	12.5	86	43	7.08	clear	
04LCMW03SW	9/20/2004	1200	5.62	12.5	81	41	6.90	clear	
04LCMW03DW	9/20/2004	1220	6.26	11.6	93	47	6.96	clear	
04LCMW04SW	9/20/2004	1325	5.62	12.2	82	41	6.4	red-brown	
04LCMW04DW	9/20/2004	1305	6.25	11.9	109	55	7.21	red-brown	
04LCMW05SW	9/14/2004	1405	9.42	13.2	160	82	7.65	clear	
04LCMW05DW	9/14/2004	1340	0.50	12.1	142	71	7.38	clear	artesian
04LCMW06SW	9/14/2004	1430	12.40	12.6	270	138	6.94	clear	
04LCMW07SW	9/14/2004	1240	9.28	11.5	219	111	7.88	clear	
04LCMW08SW	9/14/2004	1315	9.26	12.7	222	112	7.08	clear	
04LCMW09SW	9/15/2004	1015	5.45	13.9	34	17	6.07	slightly brown	
04LCMW10SW	9/15/2004	1050	10.15	12.1	22	11	5.56	slightly brown	
04LCMW11SW	9/15/2004	1115	7.70	12.5	408	208	6.77	slightly gray	

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 3rd QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling									
Sample No.	Date	Time	Depth to Water in Feet*	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
04L4MW01AW	9/21/2004	1455	16.87	11.2	37	18	7.07	clear	
04L4MW01BW	9/21/2004	1435	14.02	10.8	19	9	6.19	clear	
04L4MW02AW	9/21/2004	1210	27.65	10.7	26	12	7.08	red-brown	
04L4MW02BW	9/21/2004	1140	32.62	11.9	145	73	7.08	clear	
04L4MW03AW	9/21/2004	1410	29.46	11.5	14	7	5.54	red-brown	
04L4MW03BW	9/21/2004	1340	26.93	11.0	30	14	7.08	slightly brown	
04L4MW04AW	9/21/2004	1240	27.60	11.0	15	7	7.08	clear	slow recharge
04L4MW05AW	9/21/2004	1315	24.20	10.3	17	9	7.08	clear	
04L4MW07BW	9/16/2004	1250	40.32	11.1	30	15	7.08	slightly brown	
04L4MW17W	9/16/2004	1135	10.86	14.9	259	132	7.07	slightly brown	
04L4MW18W	9/16/2004	1215	11.88	12.5	121	60	7.07	red-brown	

Notes: * = depth in feet measured from top of well PVC casing.
 - = parameter not measured in field
 Water level in monitoring well LC-MW05D was 0.5 inches below top rim of steel casing when opened on 9/14/2004.
 Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = screened interval reported on well completion logs

** = depth in feet measured from top of well PVC casing

N/A = not available

**TABLE 5. DISSOLVED METALS AND TOC - 4th QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
05LCMW01SW	12/8/2004	Lacamas Cr.	0.87	0.26	0.15	0.09	0.63	0.19	0.03	0.7	ND	0.17	0.03	1.6	ND	<1.0
05LCMW01DW	12/8/2004	Lacamas Cr.	ND	0.45	ND	0.04	0.61	0.33	0.05	1.1	0.22	ND	0.02	2.9	ND	<1.0
05LCMW02SW	12/8/2004	Lacamas Cr.	ND	0.52	ND	0.04	0.72	0.64	0.04	0.67	ND	ND	ND	2.9	ND	<1.0
05LCMW02DW	12/8/2004	Lacamas Cr.	ND	0.55	ND	0.13	0.94	0.23	0.13	1.2	ND	ND	ND	1.5	ND	<1.0
05LCMW03SW	12/3/2004	Lacamas Cr.	ND	0.40	ND	0.03	0.6	0.26	0.05	0.8	ND	ND	ND	2.9	ND	<1.0
05LCMW03DW	12/3/2004	Lacamas Cr.	ND	0.9	ND	0.03	0.68	0.22	0.04	0.87	ND	ND	ND	3.9	ND	<1.0
05LCMW04SW	12/3/2004	Lacamas Cr.	ND	0.06	ND	0.21	0.69	0.21	0.02	0.67	ND	ND	ND	2.9	ND	<1.0
05LCMW04DW	12/3/2004	Lacamas Cr.	ND	1.3	ND	0.03	1.0	0.44	0.05	1.5	ND	ND	ND	2.3	ND	<1.0
05LCMW05SW	12/2/2004	Demo Area 3	ND	1.4	ND	0.21	1.1	0.51	0.12	1.5	ND	ND	ND	3.9	ND	nt
05LCMW05DW	12/2/2004	Demo Area 3	0.94	0.83	ND	0.03	0.68	0.39	0.12	1.3	ND	0.13	0.02	3.2	ND	nt
05LCMW06SW	12/2/2004	Demo Area 3	ND	0.92	ND	0.04	0.83	1.1	0.13	2.2	0.12	ND	0.01	3.7	ND	nt
05LCMW07SW	12/2/2004	Demo Area 3	ND	3.5	ND	0.03	1.2	0.50	0.04	1.5	ND	ND	0.02	1.4	ND	nt
05LCMW08SW	12/2/2004	Demo Area 3	ND	1.4	ND	0.16	0.7	0.54	0.05	1.4	ND	ND	0.08	1.9	ND	nt
05LCMW09SW	12/2/2004	Demo Area 2	ND	0.11	ND	0.04	0.66	0.2	0.08	0.77	ND	ND	0.02	1.0	ND	nt
05LCMW10SW	12/2/2004	Demo Area 2	0.15	ND	ND	0.08	0.7	0.44	0.03	0.71	ND	ND	ND	5.4	ND	nt
05LCMW11SW	12/3/2004	Demo Area 2	ND	3.6	ND	0.03	0.57	0.28	0.05	2.2	ND	ND	ND	2.9	ND	nt
05L4MW01AW	12/7/2004	Landfill 4	ND	ND	0.15	0.15	0.8	0.34	0.04	0.78	ND	ND	ND	4.9	ND	nt
05L4MW01BW	12/7/2004	Landfill 4	ND	ND	0.03	0.02	1.1	0.11	0.02	0.31	ND	ND	ND	1.5	ND	nt
05L4MW02AW	12/6/2004	Landfill 4	ND	ND	0.05	0.25	0.9	0.19	0.06	0.7	ND	ND	ND	2.4	ND	nt
05L4MW02BW	12/6/2004	Landfill 4	ND	1.1	0.22	0.17	2.3	0.74	0.10	2.7	3.9	ND	ND	7.1	0.034	nt
05L4MW03AW	12/6/2004	Landfill 4	ND	ND	0.03	0.31	0.89	0.61	0.03	0.62	ND	ND	ND	2.4	ND	nt
05L4MW03BW	12/6/2004	Landfill 4	ND	ND	0.03	0.16	0.9	0.32	0.09	1.2	ND	ND	0.01	5.5	ND	nt
05L4MW04AW	12/6/2004	Landfill 4	ND	0.04	0.04	0.48	2.3	2.6	0.21	2.4	0.23	ND	ND	4.2	ND	nt
05L4MW05AW	12/6/2004	Landfill 4	ND	ND	0.03	0.10	0.75	0.21	0.03	0.5	ND	ND	ND	3.0	ND	nt
05L4MW07BW	12/7/2004	Landfill 4	ND	0.08	0.02	0.14	2.0	0.37	0.05	1.7	ND	ND	ND	1.8	ND	nt
05L4MW17W	12/7/2004	Landfill 4	ND	1.3	0.04	0.02	0.72	0.55	0.11	2.9	0.26	ND	0.01	1.8	ND	nt
05L4MW18W	12/7/2004	Landfill 4	ND	0.04	0.03	0.02	1.5	0.28	0.05	1.3	ND	ND	ND	1.4	ND	nt
05LCMW150W (field duplicate of 05LCMW07SW)	12/2/2004	Lacamas Cr.	ND	3.5	ND	0.02	1.3	0.47	0.03	1.4	0.13	ND	0.03	0.89	ND	nt
05L4MW155W (field duplicate of 05L4MW02BW)	12/6/2004	Landfill 4	ND	1.4	0.2	0.16	2.90	0.98	0.06	2.9	4.9	ND	ND	8.2	ND	nt
0LCMW145W (field duplicate of 05LCMW02SW)	12/8/2004	Lacamas Cr.	ND	0.53	0.05	0.05	0.71	0.32	0.03	0.7	ND	ND	ND	1.4	ND	<1.0
05LCMW235W (field rinsate; deionized water)	12/8/2004		ND	ND	ND	ND	0.64	0.17	0.09	0.29	ND	ND	ND	1.3	ND	<1.0
Lab detection limit			0.05	0.04	0.01	0.04	0.04	0.08	0.05	0.04	0.04	0.04	0.02	0.77	0.03	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800	
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested																
nt - Sample not tested																
ug/L - micrograms per liter																
ND - Not detected to the limit of laboratory detection indicated																
n/a - Not applicable. MTCA Method A Cleanup Level not provided.																
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.																

TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 4th QUARTER 2004
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	VOCs (µg/L)																SVOC (µg/l)
			1,1-Dichloroethene	Chloromethane	Methylene chloride (see Note)	1,1-Dichloroethane	Bromodichloromethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Benzene	Tetrachloroethene (PCE)	4-Methyl-2-pentanone (MIBK)	Trichlorofluoromethane	2-Butanone	Carbon Disulfide	Bromomethane	Acetone (see Note)	Chloroform	bis(2-Ethylhexyl)phthalate
05L4MW02BW	12/6/2004	Landfill 4	24	ND	ND	37	ND	110	160	0.5 (J)	0.8 (J)	0.7 (J)	ND	4.9 (J)	0.8 (J)	ND	20	ND	ND
05L4MW05AW	12/6/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND
05L4MW17W	12/7/2004	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2 (J)	ND	ND	6.6	ND	ND
05LCMW01DW	12/8/2004	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0 (J)
05LCMW04DW	12/3/2004	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0 (J)
05L4MW155W (field duplicate of 05L4MW02BW)	12/6/2004	Landfill 4	21	ND	ND	34	ND	100	130	0.5 (J)	0.7 (J)	0.6 (J)	4.8 (J)	ND	0.7 (J)	ND	20	ND	ND
05L4MW235W (field rinsate; deionized water)	12/8/2004	Landfill 4	ND	ND	ND	ND	0.6 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 (J)	1.3	2.0 (J)
Trip Blank TB-1	12/3/2004		ND	ND	0.9 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blank TB-2	12/6/2004		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0 (J)	ND	ND
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	ND	ND	5.0	1.0	2.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	5	n/a	n/a	200	n/a	5	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Note:
Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.
nt - Sample not tested
ND - Not detected to the limit of laboratory detection indicated
µg/L - micrograms per liter
J = value estimated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
Methylene chloride and acetone are common laboratory solvents and may indicate laboratory contamination.

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 4th QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
05LCMW01SW	12/8/2004	0955	3.79	286.37	10.3	84	42	6.67	clear	
05LCMW01DW	12/8/2004	1030	3.20	287.05	9.6	103	52	7.07	clear	
05LCMW02SW	12/8/2004	1130	4.40	286.79	11.7	82	45	7.08	clear	pH malfunction
05LCMW02DW	12/8/2004	1155	4.98	286.61	11.4	88	44	6.96	clear	
05LCMW03SW	12/3/2004	1150	4.46	286.45	11.9	82	41	6.89	clear	
05LCMW03DW	12/3/2004	1215	4.62	286.36	11.1	96	48	6.91	clear	
05LCMW04SW	12/3/2004	1040	4.44	287.19	11.3	81	41	6.34	slightly cloudy	
05LCMW04DW	12/3/2004	1115	3.08	288.71	11.3	101	51	7.25	clear	
05LCMW05SW	12/2/2004	1125	6.54	303.56	11.4	163	82	7.68	clear	
05LCMW05DW	12/2/2004	1145	0.00	309.94	10.9	143	72	7.38	clear	artesian
05LCMW06SW	12/2/2004	1100	5.70	302.57	12	264	134	6.64	clear	
05LCMW07SW	12/2/2004	1240	6.76	302.16	11.4	213	107	7.44	clear	
05LCMW08SW	12/2/2004	1215	6.26	303.52	11.5	217	110	7.44	clear	
05LCMW09SW	12/2/2004	1415	5.01	342.30	10	42	21	6.14	cloudy	
05LCMW10SW	12/2/2004	1345	8.52	342.95	11.3	23	10	5.55	cloudy	
05LCMW11SW	12/3/2004	1310	7.10	338.62	11.5	388	197	6.69	clear	

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 4th QUARTER 2004
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
05L4MW01AW	12/7/2004	0935	16.48	514.92	10	60	30	7.08	cloudy	pH malfunction
05L4MW01BW	12/7/2004	1010	13.30	516.27	10	17	8	5.83	clear	
05L4MW02AW	12/6/2004	1210	26.18	493.75	11.1	18	9	5.26	cloudy	
05L4MW02BW	12/6/2004	1315	31.42	487.04	12.2	163	83	6.67	clear	
05L4MW03AW	12/6/2004	1015	28.64	486.21	11.1	15	7	5.5	clear	
05L4MW03BW	12/6/2004	1110	26.44	485.03	11.1	30	14	5.69	clear	
05L4MW04AW	12/6/2004	1410	26.98	484.81	11.1	15	7	5.92	clear	slow recharge
05L4MW05AW	12/6/2004	1145	22.94	486.97	10.6	19	9	5.64	cloudy	
05L4MW07BW	12/7/2004	1040	39.40	441.02	9.9	26	13	5.95	clear	
05L4MW17W	12/7/2004	1125	10.20	351.28	11.7	280	142	7.08	clear	slow recharge, pH malfunction
05L4MW18W	12/7/2004	1250	11.20	351.64	11.6	134	64	7.08	cloudy	pH malfunction

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 - = parameter not measured in field
Water level in monitoring well LC-MW05D was at the top of the rim of steel casing when opened on 12/2/2004.
Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

TABLE 5. DISSOLVED METALS AND DOC - 1st QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
06LCMW01SW	3/23/2005	Lacamas Cr.	ND	ND	ND	0.02	0.89	0.17	0.022	0.69	0.49	ND	0.02	1.2	ND	<1.0
06LCMW01DW	3/23/2005	Lacamas Cr.	ND	0.21	ND	ND	0.88	0.19	ND	0.86	0.19	ND	ND	0.85	ND	<1.0
06LCMW02SW	3/23/2005	Lacamas Cr.	ND	0.05	ND	ND	1.1	0.14	0.012	0.76	0.019	ND	ND	1.3	ND	<1.0
06LCMW02DW	3/23/2005	Lacamas Cr.	ND	ND	ND	0.03	0.99	0.16	0.007	1.3	0.11	ND	ND	1.9	ND	1.6
06LCMW03SW	3/23/2005	Lacamas Cr.	0.13	ND	ND	ND	1.2	0.15	ND	0.94	0.22	0.03	ND	1	ND	<1.0
06LCMW03DW	3/23/2005	Lacamas Cr.	ND	0.13	ND	ND	0.9	0.14	0.005	0.85	0.31	ND	ND	0.9	ND	<1.0
06LCMW04SW	3/24/2005	Lacamas Cr.	ND	ND	ND	ND	0.95	0.15	0.021	0.64	0.21	ND	ND	1.3	ND	<1.0
06LCMW04DW	3/24/2005	Lacamas Cr.	ND	0.72	ND	ND	1.6	0.21	0.003	1.2	0.27	ND	ND	0.87	ND	<1.0
06LCMW05SW	3/22/2005	Demo Area 3	ND	1	ND	ND	1.2	0.38	0.122	1	0.36	ND	0.05	1.9	ND	nt
06LCMW05DW	3/22/2005	Demo Area 3	ND	0.21	ND	0.23	1.1	0.53	0.12	1.4	0.22	ND	ND	2.2	ND	nt
06LCMW06SW	3/22/2005	Demo Area 3	ND	0.45	ND	0.02	0.82	0.71	0.021	1.5	0.71	ND	ND	1.7	ND	nt
06LCMW07SW	3/22/2005	Demo Area 3	0.26	2.7	ND	0.27	1.7	0.53	0.096	1.9	0.63	0.03	ND	1.5	ND	nt
06LCMW08SW	3/22/2005	Demo Area 3	ND	0.88	ND	0.05	1.4	0.46	0.075	1.5	0.28	ND	ND	1.3	ND	nt
06LCMW09SW	3/22/2005	Demo Area 2	ND	ND	ND	ND	1.2	0.72	0.151	0.61	0.29	ND	ND	10.6	ND	nt
06LCMW10SW	3/22/2005	Demo Area 2	ND	ND	ND	0.15	1.1	0.53	0.022	0.74	0.28	ND	ND	2.3	ND	nt
06LCMW11SW	3/22/2005	Demo Area 2	ND	3.1	ND	0.03	0.93	0.22	0.033	2	0.46	ND	ND	2.9	ND	nt
06L4MW01AW	3/28/2005	Landfill 4	ND	ND	0.04	0.13	1.5	0.24	0.031	1.6	0.42	ND	ND	1.6	ND	nt
06L4MW01BW	3/28/2005	Landfill 4	ND	ND	ND	0.02	1.4	0.05	0.015	0.6	0.14	ND	ND	0.92	ND	nt
06L4MW02AW	3/28/2005	Landfill 4	ND	ND	0.06	0.04	1.7	0.3	0.428	1.3	0.51	ND	ND	1.9	ND	nt
06L4MW02BW	3/28/2005	Landfill 4	ND	0.84	ND	0.04	1.9	1.5	0.264	1.5	4.3	ND	0.06	10.5	ND	nt
06L4MW03AW	3/25/2005	Landfill 4	0.61	ND	0.02	0.09	1.3	0.27	0.042	0.75	0.33	ND	ND	2	ND	nt
06L4MW03BW	3/25/2005	Landfill 4	0.19	ND	0.02	0.29	1.5	0.44	0.123	2.3	0.15	ND	ND	3.7	ND	nt
06L4MW04AW	3/25/2005	Landfill 4	0.1	0.04	0.02	0.08	1.9	1.4	0.34	2	0.48	ND	0.06	11.1	ND	nt
06L4MW05AW	3/25/2005	Landfill 4	ND	ND	0.02	0.08	1.3	0.13	0.037	1.7	0.2	ND	ND	2.2	ND	nt
06L4MW07BW	3/24/2005	Landfill 4	ND	ND	ND	0.02	1.6	0.11	0.128	1.6	0.16	ND	ND	1.5	ND	nt
06L4MW17W	3/24/2005	Landfill 4	ND	ND	ND	0.02	1	0.43	0.149	3.3	0.44	ND	ND	1.4	ND	nt
06L4MW18W	3/24/2005	Landfill 4	0.16	ND	ND	0.02	2.4	0.16	0.127	1.7	0.36	ND	ND	3.7	ND	nt
06LCMW240W (field duplicate of 06LCMW01DW)	3/23/2005	Lacamas Cr.	ND	0.13	ND	ND	1.1	0.15	0.005	1.1	0.35	ND	ND	1.1	ND	1.5
06L4MW250W (field duplicate of 06L4MW07BW)	3/24/2005	Landfill 4	0.43	ND	ND	0.03	1.7	0.07	0.002	1.4	0.23	ND	ND	1.3	ND	nt
06LCM245W (field duplicate of 06LCMW05DW)	3/22/2005	Lacamas Cr.	0.13	0.61	0.04	0.32	1.9	0.86	0.4	1.8	0.25	ND	ND	2.7	ND	<1.0
06LCMW255W (field rinsate; deionized water)	3/24/2005		ND	ND	ND	0.02	0.98	0.16	0.025	0.18	ND	ND	ND	1.8	ND	17
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.04	0.04	0.02	0.01	0.02	0.03	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800	
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested nt - Sample not tested ug/L - micrograms per liter ND - Not detected to the limit of laboratory detection indicated n/a - Not applicable. MTCA Method A Cleanup Level not provided. WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.																

TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 1st QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	VOCs (µg/L)																SVOC (µg/l)
			1,1-Dichloroethene	Chloromethane	Methylene chloride (see Note)	1,1-Dichloroethane	Bromodichloromethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Benzene	Tetrachloroethene (PCE)	4-Methyl-2-pentanone (MIBK)	Trichlorofluoromethane	2-Butanone	Carbon Disulfide	Bromomethane	Acetone (see Note)	Chloroform	bis(2-Ethylhexyl)phthalate
06L4MW02BW	3/28/2005	Landfill 4	27	ND	ND	37	ND	120	140	ND	0.8 (J)	ND	ND	ND	ND	ND	ND	ND	nt
06L4MW05AW	3/25/2005	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	0.7 (J)	ND	ND	ND	ND	ND	ND	ND	nt
06L4MW17W	3/24/2005	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9 (J)	nt
06LCMW255W (field rinsate; deionized water)	3/24/2005		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3	2.0 (J)
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	ND	ND	5.0	1.0	2.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	5	n/a	n/a	200	n/a	5	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Note:
Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.
nt - Sample not tested
ND - Not detected to the limit of laboratory detection indicated
µg/L - micrograms per liter
J = value estimated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
Methylene chloride and acetone are common laboratory solvents and may indicate laboratory contamination.

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 1st QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
06LCMW01SW	3/23/2005	1100	5.22	284.94	10.3	84	42	6.67	clear	
06LCMW01DW	3/23/2005	1030	5.68	284.57	9.6	103	52	7.07	clear	
06LCMW02SW	3/23/2005	1130	5.60	285.59	11.7	82	45	7.08	clear	pH malfunction
06LCMW02DW	3/23/2005	1145	6.19	285.40	11.4	88	44	6.96	clear	
06LCMW03SW	3/23/2005	1345	5.08	285.83	11.9	82	41	6.89	clear	
06LCMW03DW	3/23/2005	1315	5.24	285.74	11.1	96	48	6.91	clear	
06LCMW04SW	3/24/2005	0945	5.09	286.54	11.3	81	41	6.34	slightly cloudy	
06LCMW04DW	3/24/2005	1020	5.78	286.01	11.3	101	51	7.25	clear	
06LCMW05SW	3/22/2005	1150	6.75	303.35	11.4	163	82	7.68	clear	
06LCMW05DW	3/22/2005	1130	0.00	309.94	10.9	143	72	7.38	clear	artesian
06LCMW06SW	3/22/2005	1215	6.56	301.71	12	264	134	6.64	clear	
06LCMW07SW	3/22/2005	1325	6.63	302.29	11.4	213	107	7.44	clear	
06LCMW08SW	3/22/2005	1305	6.94	302.84	11.5	217	110	7.44	clear	
06LCMW09SW	3/22/2005	0930	6.72	340.59	10	42	21	6.14	cloudy	
06LCMW10SW	3/22/2005	1030	9.48	341.99	11.3	23	10	5.55	cloudy	
06LCMW11SW	3/22/2005	1006	7.26	338.46	11.5	388	197	6.69	clear	

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 1st QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
06L4MW01AW	3/28/2005	1020	15.45	515.95	10	60	30	7.08	cloudy	pH malfunction
06L4MW01BW	3/28/2005	1040	10.80	518.77	10	17	8	5.83	clear	
06L4MW02AW	3/28/2005	1115	25.20	494.73	11.1	18	9	5.26	cloudy	
06L4MW02BW	3/28/2005	1140	30.48	487.98	12.2	163	83	6.67	clear	
06L4MW03AW	3/25/2005	1050	30.70	484.15	11.1	15	7	5.5	clear	
06L4MW03BW	3/25/2005	1110	28.18	483.29	11.1	30	14	5.69	clear	
06L4MW04AW	3/25/2005	1250	27.82	483.97	11.1	15	7	5.92	clear	slow recharge
06L4MW05AW	3/25/2005	1140	23.51	486.40	10.6	19	9	5.64	cloudy	
06L4MW07BW	3/24/2005	1325	40.02	440.40	9.9	26	13	5.95	clear	
06L4MW17W	3/24/2005	1235	10.66	350.82	11.7	280	142	7.08	clear	slow recharge, pH malfunction
06L4MW18W	3/24/2005	1210	11.70	351.14	11.6	134	64	7.08	cloudy	pH malfunction

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 - = parameter not measured in field
Water level in monitoring well LC-MW05D was at the top of the rim of steel casing when opened on 12/2/2004.
Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

DRAFT

**TABLE 5. DISSOLVED METALS AND DOC - 2nd QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
07LCMW01SW	6/24/2005	Lacamas Cr.	0.07	0.28	ND	0.06	0.62	0.56	0.03	0.72	0.06	0.03	0.03	3.1	ND	19
07LCMW01DW	6/24/2005	Lacamas Cr.	0.06	0.4	ND	0.05	0.78	0.6	0.04	0.97	0.07	0.03	0.03	0.99	ND	1.0
07LCMW02SW	6/24/2005	Lacamas Cr.	ND	0.58	ND	ND	0.79	0.54	0.02	0.98	0.03	0.02	0.02	0.56	ND	<1.0
07LCMW02DW	6/24/2005	Lacamas Cr.	ND	0.54	ND	0.05	0.82	0.47	ND	1.5	0.04	ND	0.03	0.66	ND	25
07LCMW03SW	6/28/2005	Lacamas Cr.	ND	0.34	ND	ND	0.48	0.53	0.05	0.69	0.04	ND	0.07	1.0	0.07	1.7
07LCMW03DW	6/28/2005	Lacamas Cr.	0.25	0.91	ND	0.03	1.7	0.57	0.02	1.3	0.04	0.05	0.09	3.5	0.082	<1.0
07LCMW04SW	6/28/2005	Lacamas Cr.	ND	0.09	ND	ND	0.64	0.61	0.06	0.37	0.04	ND	0.16	1.6	0.11	1.7
07LCMW04DW	6/28/2005	Lacamas Cr.	0.03	1.0	ND	ND	0.65	2.0	0.07	0.57	0.05	ND	0.07	5.8	0.066	<1.0
07LCMW05SW	6/23/2005	Demo Area 3	0.25	1.3	ND	0.07	0.97	0.67	0.03	0.61	0.11	0.06	0.06	5.8	ND	nt
07LCMW05DW	6/23/2005	Demo Area 3	0.12	0.71	ND	0.1	0.63	0.52	0.08	1.0	0.06	ND	0.04	1.8	ND	nt
07LCMW06SW	6/23/2005	Demo Area 3	0.14	1.4	ND	ND	0.59	0.63	0.03	1.2	ND	ND	0.11	1.6	ND	nt
07LCMW07SW	6/23/2005	Demo Area 3	0.26	3.2	ND	0.1	1.1	0.59	0.06	0.74	0.11	0.03	0.1	1.4	ND	nt
07LCMW08SW	6/23/2005	Demo Area 3	0.04	1.3	ND	0.34	0.56	0.48	ND	0.43	0.07	ND	0.08	2.9	ND	nt
07LCMW09SW	6/27/2005	Demo Area 2	0.11	0.11	ND	0.09	0.53	0.64	0.05	0.5	ND	ND	0.05	1.5	ND	nt
07LCMW10SW	6/27/2005	Demo Area 2	0.04	0.28	0.02	0.15	0.59	1.1	0.16	1.1	ND	ND	0.03	2.7	ND	nt
07LCMW11SW	6/27/2005	Demo Area 2	ND	3.5	ND	0.05	0.58	0.56	0.04	1.0	0.05	ND	0.03	1.6	ND	nt
07L4MW01AW	6/28/2005	Landfill 4	0.23	0.31	0.08	0.08	13.3	5.5	0.43	17.2	0.08	0.1	0.22	7.0	0.064	nt
07L4MW01BW	6/28/2005	Landfill 4	ND	ND	ND	ND	1.4	0.62	0.07	1.4	ND	ND	0.07	12.7	0.12	nt
07L4MW02AW	6/29/2005	Landfill 4	0.16	0.05	0.06	0.2	3.2	1.9	0.21	5.5	0.28	1.2	0.21	6.1	ND	nt
07L4MW02BW	6/29/2005	Landfill 4	0.15	0.15	0.02	0.26	4.5	0.65	0.23	1.3	ND	0.06	0.29	5.6	ND	nt
07L4MW03AW	6/29/2005	Landfill 4	ND	ND	0.02	0.09	0.93	1.1	0.13	1.4	ND	ND	0.06	1.7	0.09	nt
07L4MW03BW	6/29/2005	Landfill 4	ND	ND	0.02	0.29	1.8	0.75	0.08	2.5	0.08	ND	0.11	4.2	0.083	nt
07L4MW04AW	6/29/2005	Landfill 4	ND	ND	ND	0.04	9.7	1.0	0.06	1.6	0.04	ND	0.06	5.3	ND	nt
07L4MW05AW	6/29/2005	Landfill 4	ND	ND	0.02	0.08	2.2	0.71	0.04	3.1	0.05	ND	0.06	3.5	ND	nt
07L4MW07BW	6/28/2005	Landfill 4	0.09	0.18	ND	0.07	1.8	0.61	0.04	2.2	ND	0.02	0.21	4.4	0.099	nt
07L4MW17W	6/29/2005	Landfill 4	0.13	0.26	ND	ND	1.1	0.83	0.13	2.2	0.16	ND	0.08	0.93	0.069	nt
07L4MW18W	6/29/2005	Landfill 4	ND	0.04	ND	ND	2.0	0.59	0.11	1.7	ND	ND	0.12	2.7	0.08	nt
07LCMW260W (field duplicate of 07LCMW02DW)	6/24/2005	Lacamas Cr.	ND	0.59	ND	0.07	1.0	0.55	ND	1.8	0.03	0.02	0.02	2.0	ND	1.1
07LCMW265W (field duplicate of 07LCMW06SW)	6/23/2005	Landfill 4	ND	1.5	ND	ND	0.56	0.68	0.08	1.3	ND	ND	0.07	2.7	ND	nt
07L4M270W (field duplicate of 07L4MW01AW)	6/28/2005	Lacamas Cr.	0.03	0.03	0.03	0.05	0.97	0.68	0.09	4.7	0.07	0.02	0.15	14.4	0.098	nt
07LCMW275W (field rinsate; deionized water)	6/24/2005		ND	ND	ND	ND	0.3	0.6	0.03	0.04	ND	ND	ND	1.9	ND	1.8
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.04	0.04	0.02	0.01	0.02	0.052	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800	
BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level Only detected analytes are shown; see laboratory reports for complete listing of compounds tested nt - Sample not tested ug/L - micrograms per liter ND - Not detected to the limit of laboratory detection indicated n/a - Not applicable. MTCA Method A Cleanup Level not provided. WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.																

DRAFT

**TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 2nd QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (µg/L)																SVOC (µg/l)		
			1,1-Dichloroethene	Chloromethane	Methylene chloride (see Note)	1,1-Dichloroethane	Bromodichloromethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Benzene	Tetrachloroethene (PCE)	4-Methyl-2-pentanone (MIBK)	Trichlorofluoromethane	2-Butanone	Carbon Disulfide	Bromomethane	Acetone (see Note)	Chloroform	bis(2-Ethylhexyl)phthalate		
07LCMW01DW	6/24/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 (J)	
07LCMW02DW	6/24/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 (J)	ND	1 (J)
07LCMW03SW	6/28/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 (J)
07LCMW03DW	6/28/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 (J)
07L4MW02BW	6/29/2005	Landfill 4	30	ND	ND	48	ND	130	130	0.5 (J)	0.7 (J)	ND	ND	ND	3.6 (J)	ND	ND	7.2	ND	nt	
06L4MW05AW	6/29/2005	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	0.7 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	nt
07LCMW275W (field rinsate; deionized water)	6/24/2005		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2 (J)	0.9 (J)	ND	ND
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	ND	ND	5.0	1.0	2.0	
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	5	n/a	n/a	200	n/a	5	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Note:
 Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.
 nt - Sample not tested
 ND - Not detected to the limit of laboratory detection indicated
 µg/L - micrograms per liter
 J = value estimated
 n/a - Not applicable. MTCA Method A Cleanup Level not provided.
 Methylene chloride and acetone are common laboratory solvents and may indicate laboratory contamination.

DRAFT TABLE 7

**FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 2nd QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
07LCMW01SW	6/24/2005	1015	5.89	284.27	12.0	80	40	6.76	clear	
07LCMW01DW	6/24/2005	1045	5.30	284.95	12.1	89	45	6.58	clear	
07LCMW02SW	6/24/2005	1130	5.69	285.50	12.1	82	41	6.65	clear	
07LCMW02DW	6/24/2005	1150	6.22	285.37	13	87	44	6.58	clear	Ants in purge water. Duplicate sample taken
07LCMW03SW	6/28/2005	1040	4.93	285.98	11.6	78	41	6.43	clear	
07LCMW03DW	6/28/2005	1010	5.12	285.86	11.5	98	49	6.51	clear	MS/MSD sample @ 1020
07LCMW04SW	6/28/2005	1115	4.94	286.69	11.6	86	43	7.08	slightly cloudy	pH meter malfunction
07LCMW04DW	6/28/2005	1130	5.70	286.09	11.5	107	54	7.08	clear	pH meter malfunction
07LCMW05SW	6/23/2005	1220	6.42	303.68	12.8	156	79	7.21	clear	
07LCMW05DW	6/23/2005	1200	0.00	309.94	12.6	140	71	6.95	clear	artesian
07LCMW06SW	6/23/2005	1245	6.45	301.82	12.7	200	104	7.08	clear	Duplicate sample taken
07LCMW07SW	6/23/2005	1345	6.71	302.21	12.7	235	119	7.58	clear	
07LCMW08SW	6/23/2005	1320	6.31	303.47	13.4	186	95	7.39	clear	
07LCMW09SW	6/27/2005	1325	5.28	342.03	11.3	30	15	5.9	cloudy	
07LCMW10SW	6/27/2005	1420	9.21	342.26	11.7	25	13	7.08	cloudy	pH meter malfunction
07LCMW11SW	6/27/2005	1355	7.20	338.52	11.9	371	189	7.08	clear	pH meter malfunction

DRAFT TABLE 7

**FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 2nd QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
07L4MW01AW	6/28/2005	1300	16.38	515.02	11.5	39	19	7.08	cloudy	pH meter malfunction. Duplicate sample taken.
07L4MW01BW	6/28/2005	1315	12.96	516.61	11.1	18	9	5.29	clear	
07L4MW02AW	6/29/2005	1245	25.46	494.47	12.9	55	28	7.07	cloudy	
07L4MW02BW	6/29/2005	1300	31.18	487.28	12.9	38	19	7.07	clear	
07L4MW03AW	6/29/2005	1120	29.16	485.69	12.0	16	8	7.08	cloudy	pH meter malfunction
07L4MW03BW	6/29/2005	1135	26.64	484.83	12.0	29	14	7.05	clear	
07L4MW04AW	6/29/2005	1320	27.45	484.34	13.3	12	6	7.07	clear	
07L4MW05AW	6/29/2005	1150	23.80	486.11	11.8	22	10	7.07	slightly cloudy	
07L4MW07BW	6/28/2005	1410	39.55	440.87	10.9	28	14	7.08	clear	pH meter malfunction
07L4MW17W	6/29/2005	1000	10.37	351.11	14.0	300	153	7.34	cloudy	purged dry; slow recharge
07L4MW18W	6/29/2005	1040	10.45	352.39	12.0	135	69	6.99	cloudy	

Notes:

* = depth in feet measured from top of well PVC casing.

** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)

- = parameter not measured in field

Water level in monitoring well LC-MW05D was at the top of the rim of steel casing when opened on 12/2/2004.

Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

**TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

DRAFT TABLE 4. CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES - 3rd QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Total Metals (µg/L)													VOCs (µg/L)	SVOCs (µg/L)	Petroleum Hydrocarbons (mg/L)			Ordnance Explosives Compounds (µg/L)		NG (µg/L)	PETN (µg/L)	Picric Acid (µg/L)	Perchlorate (µg/L)	TOC (mg/L)	DOC (mg/L)	TSS (mg/L)	Alkalinity (HCO ₃) (mg/L)	Ions (results above detection limits shown)	
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury			NWTPH-DX	Oil Range	NWTPH-Gx	HMIX	RDX										
08LCMW01SW	9/15/2005	Lacamas Cr.	ND	ND	ND	ND	0.36	ND	ND	0.19	ND	ND	ND	2.4	ND	ND	Detect: See SVOC Table	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	< 2	46	chloride, 1 mg/L
08LCMW01DW	9/15/2005	Lacamas Cr.	ND	ND	ND	0.23	0.69	ND	0.08	0.58	ND	ND	ND	2	ND	ND	Detect: See SVOC Table	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	< 2	48	chloride, 2 mg/L; sulfate, 2 mg/L
08LCMW02SW	9/16/2005	Lacamas Cr.	ND	0.14	ND	0.1	0.16	ND	ND	0.04	ND	ND	ND	1.3	ND	ND	Detect: See SVOC Table	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	2.3	2	48	chloride, 1 mg/L	
08LCMW02DW	9/16/2005	Lacamas Cr.	ND	0.18	ND	ND	0.68	ND	ND	0.48	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	< 2	48	chloride, 2 mg/L	
08LCMW03SW	9/16/2005	Lacamas Cr.	ND	0.05	ND	ND	0.89	ND	0.03	0.56	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	2	44	chloride, 1 mg/L; nitrate, 0.2 mg/L	
08LCMW03DW	9/16/2005	Lacamas Cr.	0.26	0.87	ND	ND	0.71	ND	ND	0.34	ND	0.14	ND	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	6.6	2	48	chloride, 2 mg/L; nitrate, 0.3 mg/L; sulfate, 1 mg/L	
08LCMW04SW	9/19/2005	Lacamas Cr.	0.44	0.07	0.03	0.23	2.9	1.4	0.305	2.1	ND	0.09	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	16	39	chloride, 2 mg/L; nitrate, 0.8 mg/L	
08LCMW04DW	9/19/2005	Lacamas Cr.	0.64	1	ND	0.13	2.7	0.74	0.149	1.8	ND	0.09	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1.0	10	50	chloride, 2 mg/L; nitrate, 0.2 mg/L; sulfate, 2 mg/L	
08LCMW05SW	9/14/2005	Demo Area 3	0.26	0.87	ND	0.66	2.4	0.81	0.44	1.8	ND	ND	ND	4.2	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08LCMW05DW	9/14/2005	Demo Area 3	0.06	0.81	0.03	0.07	3.7	1.1	2.4	2.1	0.05	ND	ND	6.2	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08LCMW06SW	9/14/2005	Demo Area 3	0.51	2.8	0.018	0.061	16.3	37.3	5.1	10.1	ND	0.029	ND	88.4	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08LCMW07SW	9/14/2005	Demo Area 3	ND	2.9	ND	0.19	2.2	1.3	0.23	1.2	ND	0.08	ND	6	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08LCMW08SW	9/14/2005	Demo Area 3	ND	0.96	ND	0.19	1.3	0.37	0.2	0.56	ND	ND	ND	1.6	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08LCMW09SW	9/15/2005	Demo Area 2	ND	1.8	0.23	0.04	12.2	26.6	5.5	4.7	ND	ND	ND	37	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08LCMW10SW	9/15/2005	Demo Area 2	ND	2.1	0.68	0.56	18.1	39	22.6	9	ND	ND	0.09	51.5	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08LCMW11SW	9/15/2005	Demo Area 2	ND	4.6	ND	0.09	1.6	5.2	0.81	1.5	ND	ND	ND	4.7	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	
08L4MW01AW	9/20/2005	Landfill 4	ND	0.14	0.17	0.19	8.1	9.8	0.773	5.4	ND	0.05	ND	15.7	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	2	nt	nt	nt	nt	nt	nt	
08L4MW01BW	9/20/2005	Landfill 4	ND	ND	0.02	0.17	3.9	0.94	0.102	1.9	ND	ND	ND	1.3	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	
08L4MW02AW	9/21/2005	Landfill 4	ND	0.85	0.6	0.52	22.4	54.2	2	19	ND	0.05	ND	74.1	ND	nt	nt	nt	nt	3.2	25	ND	ND	nt	200	nt	nt	nt	nt	nt	nt	
08L4MW02BW	9/21/2005	Landfill 4	ND	0.48	0.03	0.44	2.4	2.9	0.506	1.6	1.6	ND	ND	2.9	ND	Detect: See VOC Table	nt	nt	nt	3	82	ND	ND	nt	200	nt	nt	nt	nt	nt	nt	
08L4MW03AW	9/21/2005	Landfill 4	0.27	ND	0.05	0.13	5.4	1.3	0.146	3.7	0.15	0.05	ND	0.69	ND	nt	nt	nt	nt	ND	8.9	ND	ND	nt	110	nt	nt	nt	nt	nt	nt	
08L4MW03BW	9/21/2005	Landfill 4	ND	0.24	0.1	0.34	10.3	6.4	1.7	5.9	0.3	0.05	ND	41.7	ND	nt	nt	nt	nt	ND	6.1	ND	ND	nt	50	nt	nt	nt	nt	nt	nt	
08L4MW04AW	9/21/2005	Landfill 4	ND	0.2	0.11	0.25	7.2	18.9	0.52	3.4	ND	0.03	ND	29.2	ND	nt	nt	nt	nt	ND	0.61	ND	ND	nt	14	nt	nt	nt	nt	nt	nt	
08L4MW05AW	9/20/2005	Landfill 4	ND	ND	0.06	0.22	5	3.1	0.217	3.2	ND	ND	ND	3.8	ND	Detect: See VOC Table	nt	nt	nt	nt	4	ND	ND	nt	36	nt	nt	nt	nt	nt	nt	
08L4MW07BW	9/20/2005	Landfill 4	0.22	0.28	0.05	0.13	8.4	8.8	0.317	5.9	ND	0.06	ND	41.1	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	2	nt	nt	nt	nt	nt	nt	
08L4MW17W	9/20/2005	Landfill 4	ND	0.57	0.03	0.06	2.5	3.5	0.641	2.8	0.2	ND	ND	38.3	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	
08L4MW18W	9/20/2005	Landfill 4	ND	2	0.47	0.72	56.7	117	10	43.6	ND	0.2	0.09	106	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	
08LCMW280W (field duplicate of 08LCMW08SW)	9/14/2005	Demo Area 3	0.03	0.91	ND	0.56	1.3	0.52	0.32	0.82	ND	ND	ND	2.4	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt	
08LCMW285W (field duplicate of 08LCMW01DW)	9/15/2005	Lacamas Cr.	ND	0.06	ND	0.2	0.63	ND	0.17	0.55	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<1.0	< 2	46	chloride, 2 mg/L; sulfate, 2 mg/L		
08L4M290W (field duplicate of 08L4MW03AW)	9/21/2005	Landfill 4	ND	ND	0.03	0.16	7.1	3.2	0.278	4	ND	0.05	ND	2.4	ND	nt	nt	nt	nt	ND	9.6	ND	ND	nt	110	nt	nt	nt	nt	nt	nt	
08LCMW295W (field rinse; deionized water)	9/19/2005	Field Office	ND	0.1	ND	0.07	0.78	0.15	0.019	0.21	ND	ND	0.96	ND	Detect: See VOC Table	Detect: See VOC Table	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	6.3	<2	2	none above detection limits		
Trip Blank TB-1	9/15/2005		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Trip Blank TB-2	9/21/2005		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.04	0.04	0.02	0.01	0.02	0.052	varies	varies	0.10 mg/L	0.40 mg/L	0.025 mg/L	0.48-0.60 µg/L	0.48-0.60 µg/L	2.5 µg/L	1.2 µg/L	0.94-1 µg/L	1.0 µg/L	1.0 mg/L	1.0 mg/L	2.0 mg/L	4 mg/L	see lab data report for limits	
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	2	varies	varies	500	500	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800																	

Notes:
 Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
 nt - Sample not tested
 µg/L - micrograms per liter
 mg/L - milligrams per liter
 ND - Not detected to the limit of laboratory detection indicated
 n/a - Not applicable. MTCA Method A Cleanup Level not provided.
 Detect - VOC compound detected; see separate VOC table
 J = value estimated
 WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.
BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level

DRAFT

**TABLE 5. DISSOLVED METALS AND DOC - 3rd QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)	
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury		
08LCMW01SW	9/15/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND	0.59	ND	<1
08LCMW01DW	9/15/2005	Lacamas Cr.	ND	0.08	ND	ND	0.02	ND	ND	0.27	ND	ND	ND	0.4	ND	<1	
08LCMW02SW	9/16/2005	Lacamas Cr.	ND	0.13	ND	ND	0.27	0.25	ND	0.27	ND	ND	ND	1.4	ND	2.3	
08LCMW02DW	9/16/2005	Lacamas Cr.	ND	0.19	ND	ND	0.06	ND	ND	0.38	ND	ND	ND	0.81	ND	<1	
08LCMW03SW	9/16/2005	Lacamas Cr.	ND	0.05	ND	ND	0.04	ND	ND	0.29	ND	ND	ND	0.7	ND	<1	
08LCMW03DW	9/16/2005	Lacamas Cr.	0.32	0.56	ND	ND	0.07	0.3	ND	0.35	ND	0.13	ND	ND	ND	6.6	
08LCMW04SW	9/19/2005	Lacamas Cr.	ND	0.06	ND	0.04	0.95	0.28	0.015	1.2	ND	0.05	ND	0.27	ND	<1	
08LCMW04DW	9/19/2005	Lacamas Cr.	ND	1.1	ND	0.06	1.1	0.5	0.048	1.9	ND	0.09	ND	1.7	ND	<1	
08LCMW05SW	9/14/2005	Demo Area 3	ND	1.6	ND	0.16	0.37	ND	ND	0.74	ND	ND	ND	0.77	ND	nt	
08LCMW05DW	9/14/2005	Demo Area 3	ND	0.42	ND	ND	0.39	ND	ND	1.2	ND	ND	ND	0.79	ND	nt	
08LCMW06SW	9/14/2005	Demo Area 3	0.18	0.4	ND	ND	0.03	ND	0.13	1.3	ND	0.04	ND	4.6	ND	nt	
08LCMW07SW	9/14/2005	Demo Area 3	ND	2.6	ND	0.05	0.54	ND	ND	0.54	ND	ND	ND	1.1	ND	nt	
08LCMW08SW	9/14/2005	Demo Area 3	ND	0.94	ND	0.06	0.14	ND	ND	0.21	0.07	ND	ND	0.67	ND	nt	
08LCMW09SW	9/15/2005	Demo Area 2	ND	ND	ND	ND	ND	ND	0.44	0.1	ND	ND	ND	ND	ND	nt	
08LCMW10SW	9/15/2005	Demo Area 2	ND	ND	ND	ND	ND	ND	0.03	0.49	ND	ND	ND	5.2	ND	nt	
08LCMW11SW	9/15/2005	Demo Area 2	ND	ND	ND	ND	ND	ND	0.04	0.58	ND	ND	ND	2.1	ND	nt	
08L4MW01AW	9/20/2005	Landfill 4	ND	ND	0.05	0.09	1.5	0.16	0.166	2	0.26	ND	ND	1.9	ND	nt	
08L4MW01BW	9/20/2005	Landfill 4	ND	ND	ND	0.1	1.4	1.1	0.103	1.2	0.26	ND	ND	21.9	ND	nt	
08L4MW02AW	9/21/2005	Landfill 4	ND	ND	0.05	0.07	1.3	0.19	0.012	2.6	0.31	ND	ND	0.77	ND	nt	
08L4MW02BW	9/21/2005	Landfill 4	ND	0.33	0.03	0.16	1.1	0.08	0.028	1	1.1	ND	ND	1.3	ND	nt	
08L4MW03AW	9/21/2005	Landfill 4	0.24	ND	ND	0.07	2.1	0.16	0.008	3.6	0.2	0.03	ND	0.51	ND	nt	
08L4MW03BW	9/21/2005	Landfill 4	ND	ND	0.02	0.19	2.3	2	0.346	2.7	ND	ND	ND	35.7	ND	nt	
08L4MW04AW	9/21/2005	Landfill 4	ND	ND	0.02	0.23	1.7	0.21	0.23	1.9	0.21	ND	ND	1.4	ND	nt	
08L4MW05AW	9/20/2005	Landfill 4	ND	ND	ND	0.13	1.4	0.1	0.029	1.8	ND	ND	ND	1.4	ND	nt	
08L4MW07BW	9/20/2005	Landfill 4	ND	0.17	ND	0.07	1.3	0.17	0.136	2.3	ND	0.04	ND	0.37	ND	nt	
08L4MW17W	9/20/2005	Landfill 4	ND	0.68	ND	0.04	0.92	0.69	0.048	2	0.42	ND	ND	0.37	ND	nt	
08L4MW18W	9/20/2005	Landfill 4	ND	ND	ND	0.06	2	1.2	0.118	2.7	0.12	ND	ND	1.1	ND	nt	
08LCMW280W (field duplicate of 08LCMW08SW)	9/14/2005	Demo Area 3	ND	0.94	ND	0.21	0.1	ND	0.13	0.38	0.06	ND	ND	5.0	ND	nt	
08LCMW285W (field duplicate of 08LCMW01DW)	9/15/2005	Lacamas Cr.	ND	0.05	ND	ND	ND	ND	0.07	0.17	ND	ND	ND	2.1	ND	<1	
08L4M290W (field duplicate of 08L4MW03AW)	9/21/2005	Landfill 4	ND	ND	0.03	0.08	2.6	0.18	0.03	5.1	ND	ND	ND	1.9	ND	nt	
08LCMW295W (field rinsate; deionized water)	9/19/2005	Field Office	ND	ND	ND	0.06	0.98	0.1	0.21	0.88	ND	ND	ND	1.1	ND	6.3	
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.04	0.04	0.02	0.01	0.02	0.052	1.0	
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a	
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800		
BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level																	
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested																	
nt - Sample not tested																	
ug/L - micrograms per liter																	
ND - Not detected to the limit of laboratory detection indicated																	
n/a - Not applicable. MTCA Method A Cleanup Level not provided.																	
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.																	

DRAFT

**TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 3rd QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (µg/L)																SVOC (µg/l)
			1,1-Dichloroethene	Chloromethane	Methylene chloride (see Note)	1,1-Dichloroethane	Bromodichloromethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Benzene	Tetrachloroethene (PCE)	4-Methyl-2-pentanone (MIBK)	Trichlorofluoromethane	2-Butanone	Carbon Disulfide	Bromomethane	Acetone (see Note)	Chloroform	bis(2-Ethylhexyl)phthalate
08LCMW01SW	9/15/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 (J, B)
08LCMW01DW	9/15/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 (J, B)
08LCMW02SW	9/16/2005	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 (J, B)
08L4MW02BW	9/21/2005	Landfill 4	23	ND	ND	40	ND	100	160	0.4 (J)	0.8 (J)	ND	100	ND	ND	ND	ND	nt	
08L4MW05AW	9/20/2005	Landfill 4	ND	ND	ND	ND	ND	ND	ND	ND	0.7 (J)	ND	ND	ND	ND	ND	ND	nt	
08LCMW295W (field rinsate; deionized water)	9/19/2005	Field Office	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4	2 (J, B)
Lab detection limit			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	ND	ND	5.0	1.0	2.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	5	n/a	n/a	200	n/a	5	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Note:
 Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.
 nt - Sample not tested
 ND - Not detected to the limit of laboratory detection indicated
 µg/L - micrograms per liter
 J = value estimated
 B = also detected in the method blank associated with the sample
 n/a - Not applicable. MTCA Method A Cleanup Level not provided.
 Methylene chloride and acetone are common laboratory solvents and may indicate laboratory contamination.

DRAFT TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 3rd QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
08LCMW01SW	9/15/2005	1000	6.69	283.47	12.8	97	48	6.66	clear	
08LCMW01DW	9/15/2005	1030	6.91	283.34	12.5	99	49	6.64	clear	collected duplicate
08LCMW02SW	9/16/2005	1140	7.78	283.41	12.1	79	40	6.58	clear	
08LCMW02DW	9/16/2005	1110	8.28	283.31	12.3	86	43	6.51	clear	MS/MSD collected
08LCMW03SW	9/16/2005	1010	7.26	283.65	12.2	82	40	6.35	clear	
08LCMW03DW	9/16/2005	1040	7.38	283.60	11.5	93	41	6.53	clear	
08LCMW04SW	9/19/2005	1300	7.30	284.33	12.7	83	42	5.93	clear	
08LCMW04DW	9/19/2005	1320	7.76	284.03	12.1	99	50	6.67	clear	
08LCMW05SW	9/14/2005	1010	9.14	300.96	12.4	183	92	7.54	clear	
08LCMW05DW	9/14/2005	1030	0.30	309.64	12.3	149	76	7.08	clear	
08LCMW06SW	9/14/2005	1105	12.00	296.27	12.6	259	128	7.0	clear	purged dry; slow recharge
08LCMW07SW	9/14/2005	1140	8.81	300.11	12	241	118	7.51	clear	
08LCMW08SW	9/14/2005	1200	8.90	300.88	12.9	186	94	7.31	clear	
08LCMW09SW	9/15/2005	1140	6.23	341.08	13.7	31	15	5.81	clear	
08LCMW10SW	9/15/2005	1210	10.96	340.51	12	32	16	5.48	cloudy	
08LCMW11SW	9/15/2005	1230	8.19	337.53	12.5	379	193	6.48	cloudy	
08L4MW01AW	9/20/2005	1100	16.90	514.50	11.6	40	21	5.17	cloudy	

DRAFT TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 3rd QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
08L4MW01BW	9/20/2005	1130	14.04	515.53	11.1	17	9	5.31	clear	
08L4MW02AW	9/21/2005	1130	28.63	491.30	13.1	29	14	4.95	slightly cloudy	
08L4MW02BW	9/21/2005	1100	33.24	485.22	12.7	38	19	5.53	clear	
08L4MW03AW	9/21/2005	1220	30.96	483.89	12.6	16	8	5.05	clear	
08L4MW03BW	9/21/2005	1200	27.97	483.50	12.2	27	13	5.36	slightly cloudy	
08L4MW04AW	9/21/2005	1030	28.59	483.20	11.6	7	4	5.08	clear	
08L4MW05AW	9/20/2005	1030	25.13	484.78	11	19	9	5.4	clear	
08L4MW07BW	9/20/2005	1200	40.72	439.70	11.2	28	14	5.49	slightly cloudy	
08L4MW17W	9/20/2005	1300	11.25	350.23	15.0	250	127	7.04	clear	
08L4MW18W	9/20/2005	1320	12.10	350.74	13.4	116	59	6.3	cloudy	

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 - = parameter not measured in field
 Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

TABLE 4. CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES - 4th QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Total Metals (µg/L)													VOCs (µg/L)	SVOCs (µg/L)	Petroleum Hydrocarbons (mg/L)			Ordnance Explosives Compounds (µg/L)		NG (µg/L)	PETN (µg/L)	Picric Acid (µg/L)	Perchlorate (µg/L)	TOC (mg/L)	DOC (mg/L)	TSS (mg/L)	Alkalinity (HCO3) (mg/L)	Ions (results above detection limits shown)		
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury			NWTPH-Dx	Oil Range	NWTPH-Gx	HMX	RDX											
09LCMW01SW	1/26/2006	Lacamas Cr.	ND	0.23	ND	0.16	0.98	0.39	0.09	0.92	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	2	44	chloride, 1 mg/L	
09LCMW01DW	1/26/2006	Lacamas Cr.	0.17	0.38	ND	1.7	2.2	0.77	0.681	1.9	ND	ND	0.01	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	< 2	45	chloride, 2 mg/L; sulfate, 2 mg/L		
09LCMW02SW	1/27/2006	Lacamas Cr.	0.19	0.62	ND	0.11	0.9	0.25	0.062	0.68	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	< 2	44	chloride, 2 mg/L		
09LCMW02DW	1/27/2006	Lacamas Cr.	0.1	0.48	ND	0.18	1.2	0.33	0.151	1.5	ND	ND	ND	2.7	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	< 2	44	chloride, 2 mg/L; sulfate, 1 mg/L		
09LCMW03SW	1/26/2006	Lacamas Cr.	ND	0.34	ND	0.04	0.75	0.41	0.387	0.66	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	3	41	chloride, 2 mg/L; nitrate, 0.2 mg/L		
09LCMW03DW	1/26/2006	Lacamas Cr.	ND	0.68	ND	0.02	1.1	0.26	0.046	0.87	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1	2	45	chloride, 2 mg/L; nitrate, 0.3 mg/L		
09LCMW04SW	1/26/2006	Lacamas Cr.	ND	0.12	0.03	0.03	1.3	0.58	0.198	0.95	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	13	38	chloride, 2 mg/L; nitrate, 0.8 mg/L			
09LCMW04DW	1/26/2006	Lacamas Cr.	0.14	1.1	ND	0.08	2.6	0.67	0.159	1.7	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	<1.0	10	50	chloride, 2 mg/L; nitrate, 0.2 mg/L; sulfate, 2 mg/L			
09LCMW05SW	1/24/2006	Demo Area 3	0.52	1.2	ND	1.5	6	2.2	0.958	3.9	0.11	0.03	ND	8	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW05DW	1/24/2006	Demo Area 3	0.34	0.99	0.08	0.21	5.7	3.6	1.5	4	0.16	0.07	0.02	13.4	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW06SW	1/24/2006	Demo Area 3	0.33	0.64	0.05	0.14	2.3	5.6	0.77	1.7	ND	0.03	0.01	30.1	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW07SW	1/24/2006	Demo Area 3	0.3	3.3	ND	0.24	3.7	1.4	0.446	2.5	0.13	0.04	0.02	6.3	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW08SW	1/24/2006	Demo Area 3	0.33	1.2	ND	0.76	4.6	1.1	0.506	3.2	0.12	0.03	0.01	5	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW09SW	1/23/2006	Demo Area 2	0.28	0.94	0.27	0.19	5.6	14.4	3.3	3	ND	0.04	0.02	25.5	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW10SW	1/23/2006	Demo Area 2	0.39	0.45	0.16	0.83	4.6	11.6	1.9	3.5	ND	0.4	0.2	44	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW11SW	1/23/2006	Demo Area 2	0.24	5	ND	0.48	1.7	6	0.656	2.2	ND	0.03	ND	11.9	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09L4MW01AW	1/30/2006	Landfill 4	0.19	0.39	0.22	0.51	10	22.9	2	5.9	0.18	0.14	0.08	27.8	ND	nt	nt	nt	nt	ND	0.68	ND	ND	nt	nt	17	nt	nt	nt	nt	nt		
09L4MW01BW	1/30/2006	Landfill 4	ND	0.08	0.09	0.1	4.8	3	0.382	2.5	0.15	0.06	0.01	4.1	ND	nt	nt	nt	nt	ND	ND	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt		
09L4MW02AW	1/30/2006	Landfill 4	ND	0.23	0.27	0.46	12.7	11.1	0.461	7.8	0.34	0.04	ND	14.6	ND	nt	nt	nt	nt	3.3	20	ND	ND	nt	95	nt	nt	nt	nt	nt	nt		
09L4MW02BW	1/30/2006	Landfill 4	0.12	0.25	0.09	0.58	2	2.6	0.367	1.6	0.61	ND	ND	7	ND	nt	nt	nt	nt	3.5	98	ND	ND	nt	400	nt	nt	nt	nt	nt	nt		
09L4MW03AW	1/30/2006	Landfill 4	ND	0.05	0.09	0.07	6.2	1.3	0.163	3.6	ND	0.03	ND	3.2	ND	nt	nt	nt	nt	ND	11	ND	ND	nt	110	nt	nt	nt	nt	nt	nt		
09L4MW03BW	1/30/2006	Landfill 4	ND	0.16	0.09	0.13	14.6	4.5	0.925	8.4	0.17	0.04	ND	14.7	ND	nt	nt	nt	nt	ND	4.2	ND	ND	nt	53	nt	nt	nt	nt	nt	nt		
09L4MW04AW	1/30/2006	Landfill 4	0.1	0.31	0.18	0.4	10.2	24.6	0.968	5	0.13	0.04	0.02	27.2	ND	nt	nt	nt	nt	ND	1.1	ND	ND	nt	17	nt	nt	nt	nt	nt	nt		
09L4MW05AW	1/30/2006	Landfill 4	ND	ND	0.05	2.6	5.6	1.2	0.041	3.5	0.16	ND	ND	4.2	ND	nt	nt	nt	nt	ND	3.4	ND	ND	nt	35	nt	nt	nt	nt	nt	nt		
09L4MW07BW	1/27/2006	Landfill 4	ND	0.18	0.07	0.06	3.5	1.1	0.073	2.7	0.12	0.03	ND	3.9	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	2	nt	nt	nt	nt	nt	nt		
09L4MW17W	1/27/2006	Landfill 4	0.34	0.37	0.1	0.7	1.7	1.5	0.654	2.8	0.29	0.03	ND	4.1	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt		
09L4MW18W	1/27/2006	Landfill 4	0.09	0.17	0.17	0.19	8.1	10.2	1	6.8	0.13	0.03	ND	9.9	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt		
09LCMW300W (field duplicate of 09LCMW05DW)	1/24/2006	Demo Area 3	0.03	1.1	0.13	0.26	6.7	6.5	2	4	0.15	0.06	0.04	21.5	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
09LCMW305W (field duplicate of 09LCMW02DW)	1/27/2006	Lacamas Cr.	0.14	0.5	ND	0.1	1.3	0.44	0.381	1.4	ND	ND	ND	3.2	ND	ND	0.073	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<1.0	5	44	chloride, 2 mg/L			
09L4M310W (field duplicate of 09L4MW05AW)	1/30/2006	Landfill 4	ND	ND	0.08	0.27	5.1	1.1	0.026	3.2	0.13	ND	ND	4.2	ND	Detect: See VOC Table	nt	nt	nt	nt	3.5	ND	ND	nt	36	nt	nt	nt	nt	nt	nt		
09LCMW315W (field rinseate; deionized water)	1/30/2006	Field Office	ND	0.03	0.06	0.06	0.91	0.62	0.057	0.36	0.1	ND	ND	5.1	ND	Detect: See VOC Table	Detect: See SVOC Table	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	<2	2	none above detection limits			
Trip Blank TB-1	1/26/2006		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt		
Trip Blank TB-2	1/27/2006		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.04	0.01	0.02	0.01	0.02	varies	varies	varies	varies	varies	0.10 mg/L	0.40 mg/L	0.025 mg/L	0.48-0.60 µg/L	0.48-0.60 µg/L	2.5 µg/L	1.2 µg/L	0.94-1 µg/L	1.0 µg/L	1.0 mg/L	1.0 mg/L	2.0 mg/L	4 mg/L	see lab data report for limits
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	2	varies	varies	varies	varies	varies	500	500	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800																		

Notes:
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
µg/L - micrograms per liter
mg/L - milligrams per liter
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
Detect - VOC compound detected; see separate VOC table
J = value estimated
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.
BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level

**TABLE 5. DISSOLVED METALS AND DOC - 4th QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
09LCMW01SW	1/26/2006	Lacamas Cr.	7.5	0.35	ND	0.1	0.68	0.47	0.18	0.76	3.3	0.03	0.12	2.6	ND	<1
09LCMW01DW	1/26/2006	Lacamas Cr.	0.1	0.37	ND	0.17	1.2	0.44	0.133	1.4	ND	0.07	0.01	2.6	ND	<1
09LCMW02SW	1/27/2006	Lacamas Cr.	ND	0.59	ND	0.05	0.61	0.34	0.064	0.73	ND	2	0.01	2.2	ND	<1
09LCMW02DW	1/27/2006	Lacamas Cr.	ND	0.48	ND	0.08	0.62	0.3	0.073	1.2	ND	0.03	ND	2.4	ND	<1
09LCMW03SW	1/26/2006	Lacamas Cr.	0.23	0.32	ND	0.05	0.39	0.49	0.098	0.8	ND	ND	ND	2.1	ND	<1
09LCMW03DW	1/26/2006	Lacamas Cr.	0.13	0.64	ND	0.08	0.56	0.62	0.098	0.88	ND	ND	ND	2.1	ND	<1
09LCMW04SW	1/26/2006	Lacamas Cr.	0.49	0.1	ND	0.06	0.6	0.3	0.079	0.69	ND	0.03	ND	2.6	ND	<1
09LCMW04DW	1/26/2006	Lacamas Cr.	6.2	1.4	ND	0.1	1.2	0.91	0.483	1.4	3.4	0.13	0.14	2.8	ND	<1
09LCMW05SW	1/24/2006	Demo Area 3	ND	1.1	ND	0.46	1.3	0.78	0.131	1.8	0.16	0.03	0.01	5.3	ND	nt
09LCMW05DW	1/24/2006	Demo Area 3	0.25	0.72	ND	0.15	1.3	0.38	0.07	3.8	0.17	0.1	0.04	3.5	ND	nt
09LCMW06SW	1/24/2006	Demo Area 3	0.18	0.37	ND	0.07	1.8	0.75	0.042	1.1	ND	0.14	0.05	2.9	ND	nt
09LCMW07SW	1/24/2006	Demo Area 3	0.17	3.2	ND	0.14	1.4	0.79	0.09	2.4	0.13	3.8	0.01	3.1	ND	nt
09LCMW08SW	1/24/2006	Demo Area 3	0.19	1.2	ND	0.33	2.1	0.64	0.133	2.9	0.15	0.09	0.03	3.8	ND	nt
09LCMW09SW	1/23/2006	Demo Area 2	0.75	0.62	ND	0.05	0.68	0.51	0.207	0.58	ND	ND	ND	3.7	ND	nt
09LCMW10SW	1/23/2006	Demo Area 2	ND	0.03	0.02	0.18	1.5	0.88	0.447	0.87	ND	0.61	ND	2.6	ND	nt
09LCMW11SW	1/23/2006	Demo Area 2	ND	3.7	ND	0.1	0.53	0.52	0.111	1.50	0.32	0.1	0.02	5.1	ND	nt
09L4MW01AW	1/30/2006	Landfill 4	0.04	ND	0.03	0.13	0.86	0.16	ND	1.3	0.19	0.05	ND	4.9	ND	nt
09L4MW01BW	1/30/2006	Landfill 4	ND	ND	0.04	0.02	1	0.08	ND	0.87	ND	0.03	ND	2.3	ND	nt
09L4MW02AW	1/30/2006	Landfill 4	ND	ND	0.09	0.24	2.3	0.23	0.007	3.2	0.41	ND	ND	4.6	ND	nt
09L4MW02BW	1/30/2006	Landfill 4	ND	0.16	0.05	0.52	1.1	0.25	ND	1.6	0.44	ND	ND	4.4	ND	nt
09L4MW03AW	1/30/2006	Landfill 4	ND	ND	0.07	0.04	1.7	0.25	0.024	2.8	0.14	ND	ND	3.8	ND	nt
09L4MW03BW	1/30/2006	Landfill 4	ND	ND	0.02	0.11	1.3	0.13	0.009	2.2	0.14	ND	ND	4.5	ND	nt
09L4MW04AW	1/30/2006	Landfill 4	ND	ND	0.09	0.13	1.6	0.26	0.017	1.5	0.13	ND	ND	6	ND	nt
09L4MW05AW	1/30/2006	Landfill 4	0.03	ND	0.04	0.21	2.5	0.26	0.019	2.7	ND	ND	ND	4.2	ND	nt
09L4MW07BW	1/27/2006	Landfill 4	ND	0.17	0.12	0.02	1.5	0.23	0.002	2.7	0.12	ND	ND	3	ND	nt
09L4MW17W	1/27/2006	Landfill 4	0.1	0.33	0.07	0.03	0.62	0.44	0.009	2.5	0.31	ND	ND	3	ND	nt
09L4MW18W	1/27/2006	Landfill 4	ND	0.08	0.07	0.05	2.4	0.24	ND	2.1	0.15	0.03	ND	6	ND	nt
09LCMW300W (field duplicate of 09LCMW05DW)	1/24/2006	Demo Area 3	0.33	0.72	ND	0.15	2.0	0.48	0.098	3.6	0.18	0.04	0.06	4.0	ND	nt
09LCMW305W (field duplicate of 09LCMW02DW)	1/27/2006	Lacamas Cr.	0.25	0.56	ND	0.1	1.1	0.53	0.206	1.9	ND	0.07	0.01	2.7	ND	<1
09L4M310W (field duplicate of 09L4MW05AW)	1/30/2006	Landfill 4	ND	ND	0.08	0.16	2.7	0.17	ND	4.8	ND	0.03	ND	3.3	ND	nt
09LCMW315W (field rinseate; deionized water)	1/30/2006	Field Office	ND	ND	0.08	ND	0.34	0.17	ND	0.05	ND	ND	ND	2.3	ND	<1
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.04	0.01	0.02	0.01	0.02	0.052	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800	

BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
ug/L - micrograms per liter
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

**TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 4th QUARTER 2005
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (µg/L)							SVOC (µg/l)
			1,1-Dichloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Tetrachloroethene (PCE)	Acetone (see Note)	Chloroform	bis(2-Ethylhexyl)phthalate
08LCMW01DW	1/26/2006	Lacamas Cr.	ND	ND	ND	ND	ND	ND	ND	1 (J)
09L4MW02BW	1/30/2006	Landfill 4	28	41	110	140	0.8 (J)	ND	ND	nt
09L4MW05AW	1/30/2006	Landfill 4	ND	ND	ND	ND	1.0 (J)	ND	ND	nt
09L4MW07BW	1/27/2006	Landfill 4	ND	ND	ND	ND	ND	2.6 (J)	ND	nt
09L4M310W (field duplicate of 09L4MW05AW)	1/30/2006	Landfill 4	ND	ND	ND	ND	0.9 (J)	ND	ND	nt
09LCMW315W (field rinsate; deionized water)	1/30/2006	Field Office	ND	ND	ND	ND	ND	3.1 (J)	1.1	5
Lab detection limit			1.0	1.0	1.0	1.0	1.0	5.0	1.0	2.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	n/a	200	n/a	5	n/a	n/a	n/a
Note: Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested. nt - Sample not tested ND - Not detected to the limit of laboratory detection indicated µg/L - micrograms per liter J = value estimated B = also detected in the method blank associated with the sample n/a - Not applicable. MTCA Method A Cleanup Level not provided. Methylene chloride and acetone are common laboratory solvents and may indicate laboratory contamination.										

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 4th QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
09LCMW01SW	1/26/2006	1300	4.29	285.87	10.8	80	40	6.58	clear	
09LCMW01DW	1/26/2006	1320	4.66	285.59	11.2	86	43	6.88	clear	
09LCMW02SW	1/27/2006	1050	4.60	286.59	10.9	85	42	6.78	clear	
09LCMW02DW	1/27/2006	1130	5.14	286.45	11.5	88	44	6.67	clear	collected duplicate
09LCMW03SW	1/26/2006	1200	4.06	286.85	10.9	79	41	6.41	clear	
09LCMW03DW	1/26/2006	1220	4.23	286.75	10.9	89	44	6.55	clear	
09LCMW04SW	1/26/2006	1120	4.15	287.48	10.2	79	40	6.0	clear	
09LCMW04DW	1/26/2006	1050	4.60	287.19	10.5	100	51	6.95	clear	
09LCMW05SW	1/24/2006	1130	6.05	304.05	11.5	148	75	7.23	clear	
09LCMW05DW	1/24/2006	1050	0.00	309.94	11.0	138	69	7.14	clear	collected duplicate
09LCMW06SW	1/24/2006	1230	5.62	302.65	10.3	86	43	6.42	slightly cloudy	
09LCMW07SW	1/24/2006	1300	6.53	302.39	11.4	247	125	7.52	clear	
09LCMW08SW	1/24/2006	1320	6.12	303.66	11.8	177	90	7.19	clear	
09LCMW09SW	1/23/2006	1325	4.91	342.40	9.7	36	18	5.4	clear	
09LCMW10SW	1/23/2006	1350	8.34	343.13	10.5	21	10	4.94	cloudy	
09LCMW11SW	1/23/2006	1420	6.41	339.31	11.3	367	187	6.4	cloudy	
09L4MW01AW	1/30/2006	1400	11.18	520.22	10.7	23	11	6.98	slightly cloudy	

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 4th QUARTER 2005
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
09L4MW01BW	1/30/2006	1420	7.39	522.18	10.4	19	9	7.0	clear	
09L4MW02AW	1/30/2006	1230	22.55	497.38	11.3	54	27	4.86	slightly cloudy	
09L4MW02BW	1/30/2006	1250	28.71	489.75	11.1	52	20	5.76	clear	MS/MSD collected
09L4MW03AW	1/30/2006	1140	26.21	488.64	11.2	15	7	5.05	clear	
09L4MW03BW	1/30/2006	1120	23.50	487.97	10.7	23	11	5.21	clear	
09L4MW04AW	1/30/2006	1330	24.72	487.07	10.5	13	6	5.02	clear	
09L4MW05AW	1/30/2006	1050	19.22	490.69	10.4	19	9	5.24	clear	collected duplicate
09L4MW07BW	1/27/2006	1340	38.36	442.06	10.2	26	13	5.79	clear	
09L4MW17W	1/27/2006	1250	9.20	352.28	10.5	210	104	7.26	clear	
09L4MW18W	1/27/2006	1310	10.56	352.28	11.0	128	65	6.28	slightly cloudy	

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

**TABLE 5. DISSOLVED METALS AND DOC - 1st QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Nickel	Selenium	Silver	Thallium	Zinc	Mercury	
10LCMW01SW	3/23/2006	Lacamas Cr.	0.16	0.22	ND	0.03	0.27	0.18	0.03	0.56	ND	ND	ND	3.15	ND	<1
10LCMW01DW	3/23/2006	Lacamas Cr.	0.10	0.39	ND	0.17	0.93	0.19	0.02	1.21	ND	ND	ND	2.87	ND	<1
10LCMW02SW	3/23/2006	Lacamas Cr.	ND	0.57	ND	0.03	0.52	0.17	0.04	0.89	ND	ND	ND	2.26	ND	<1
10LCMW02DW	3/23/2006	Lacamas Cr.	ND	0.51	ND	0.03	0.39	0.14	0.02	1.06	ND	0.04	ND	1.96	ND	<1
10LCMW03SW	3/22/2006	Lacamas Cr.	ND	0.25	ND	0.01	0.56	0.20	0.06	0.83	0.09	ND	ND	3.43	ND	<1
10LCMW03DW	3/22/2006	Lacamas Cr.	ND	0.62	ND	0.02	0.62	0.17	0.03	1.07	0.08	ND	ND	2.11	ND	<1
10LCMW04SW	3/22/2006	Lacamas Cr.	ND	0.09	ND	0.02	0.94	0.14	0.02	1.88	0.11	ND	ND	1.64	ND	<1
10LCMW04DW	3/22/2006	Lacamas Cr.	ND	1.08	ND	0.02	1.00	0.23	0.02	1.20	ND	ND	ND	1.19	ND	<1
10LCMW05SW	3/21/2006	Demo Area 3	ND	0.99	ND	0.23	1.27	0.27	0.04	1.48	ND	ND	ND	2.15	ND	nt
10LCMW05DW	3/21/2006	Demo Area 3	ND	0.78	ND	0.04	0.73	0.31	0.04	1.49	0.18	0.04	0.01	2.39	ND	nt
10LCMW06SW	3/21/2006	Demo Area 3	0.89	0.43	ND	0.04	1.30	0.50	0.03	1.39	0.08	ND	ND	2.71	ND	nt
10LCMW07SW	3/21/2006	Demo Area 3	0.22	2.92	ND	0.11	1.40	0.45	0.06	1.89	0.19	ND	ND	1.82	ND	nt
10LCMW08SW	3/21/2006	Demo Area 3	ND	1.09	ND	0.26	1.52	0.38	0.59	1.80	0.10	ND	ND	3.04	ND	nt
10LCMW09SW	3/22/2006	Demo Area 2	ND	0.07	ND	0.05	0.55	0.45	0.04	0.68	ND	ND	ND	2.22	ND	nt
10LCMW10SW	3/22/2006	Demo Area 2	ND	ND	ND	0.10	0.61	0.41	0.02	0.71	ND	ND	ND	2.54	ND	nt
10LCMW11SW	3/22/2006	Demo Area 2	0.62	3.69	ND	0.02	0.62	0.22	0.05	1.86	0.27	ND	ND	2.17	ND	nt
10L4MW01AW	3/27/2006	Landfill 4	0.07	ND	0.04	0.07	0.71	0.32	0.04	1.32	ND	ND	ND	3.99	ND	nt
10L4MW01BW	3/27/2006	Landfill 4	ND	ND	0.01	0.03	0.86	0.11	0.04	0.91	ND	ND	ND	2.20	ND	nt
10L4MW02AW	3/27/2006	Landfill 4	ND	0.04	0.06	0.17	1.16	0.23	0.03	1.74	0.39	ND	ND	5.64	ND	nt
10L4MW02BW	3/27/2006	Landfill 4	0.36	0.21	0.04	0.25	1.80	0.21	0.04	2.05	0.50	ND	ND	6.04	ND	nt
10L4MW03AW	3/24/2006	Landfill 4	ND	ND	0.01	0.10	1.06	0.16	0.02	1.05	ND	ND	ND	4.73	ND	nt
10L4MW03BW	3/24/2006	Landfill 4	ND	ND	ND	0.21	1.13	0.26	0.04	2.34	0.10	ND	ND	5.04	ND	nt
10L4MW04AW	3/27/2006	Landfill 4	0.13	ND	0.03	0.05	1.38	0.15	0.02	3.10	ND	ND	ND	2.83	ND	nt
10L4MW05AW	3/27/2006	Landfill 4	ND	ND	0.02	0.24	0.79	0.23	0.06	1.19	ND	ND	ND	4.94	ND	nt
10L4MW07BW	3/24/2006	Landfill 4	ND	0.12	ND	0.07	1.31	0.15	0.08	1.92	ND	ND	ND	2.80	ND	nt
10L4MW17W	3/24/2006	Landfill 4	ND	0.24	ND	0.02	0.70	0.56	0.05	2.38	0.12	ND	ND	1.95	ND	nt
10L4MW18W	3/24/2006	Landfill 4	ND	0.07	ND	0.04	2.01	0.11	0.02	2.68	0.12	ND	ND	1.64	ND	nt
10LCMW320W (field duplicate of 10LCMW04DW)	3/22/2006	Lacamas Cr.	ND	1.26	ND	ND	0.95	0.17	0.01	1.28	ND	ND	ND	1.28	ND	<1
10LCMW325W (field duplicate of 10LCMW01SW)	3/23/2006	Lacamas Cr.	0.36	0.27	ND	0.02	0.36	0.30	0.01	0.71	0.13	ND	ND	1.60	ND	<1
10L4M330W (field duplicate of 10L4MW03BW)	3/24/2006	Landfill 4	ND	ND	0.02	0.21	1.04	0.23	0.03	2.24	0.12	ND	ND	5.15	ND	nt
10LCMW335W (field rinseate; deionized water)	3/27/2006	Field Office	ND	ND	ND	ND	0.91	0.09	0.04	0.20	ND	ND	ND	1.22	ND	<1
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.04	0.01	0.02	0.01	0.02	0.013	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	n/a	n/a	n/a	n/a	n/a	2	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		320	80	80	1.1	4,800	4,800	

BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level
 Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
 nt - Sample not tested
 µg/L - micrograms per liter
 ND - Not detected to the limit of laboratory detection indicated
 n/a - Not applicable. MTCA Method A Cleanup Level not provided.
 WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 1st QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	VOCs (µg/L)								SVOC (µg/l)
			1,1-Dichloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane	Dichlorodifluoromethane	Tetrachloroethene (PCE)	Acetone (see Note)	Trichlorofluoromethane	Chloroform	bis(2-Ethylhexyl)phthalate
10LCMW01SW	3/23/2006	Lacamas Cr.	ND	ND	ND	ND	ND	1.4 (J)	ND	ND	ND
10LCMW02DW	3/23/2006	Lacamas Cr.	ND	ND	ND	ND	ND	3.2 (J)	ND	ND	ND
10LCMW03SW	3/22/2006	Lacamas Cr.	ND	ND	ND	ND	ND	2.3 (J)	ND	ND	ND
10LCMW03DW	3/22/2007	Lacamas Cr.	ND	ND	ND	ND	ND	1.2 (J)	ND	ND	ND
10LCMW04DW	3/22/2006	Lacamas Cr.	ND	ND	ND	ND	ND	1.0 (J)	ND	ND	ND
10L4MW02BW	3/27/2006	Landfill 4	29	45	110	180	0.7 (J)	ND	0.7 (J)	ND	nt
10L4MW03AW	3/24/2006	Landfill 4	ND	ND	ND	ND	ND	1.5 (J)	ND	ND	ND
10L4MW05AW	3/27/2006	Landfill 4	ND	ND	ND	ND	0.8 (J)	ND	ND	ND	nt
10L4MW07BW	3/24/2006	Landfill 4	ND	ND	ND	ND	ND	0.7 (J)	ND	ND	nt
10L4MW18W	3/24/2006	Landfill 4	ND	ND	ND	ND	ND	2.6 (J)	ND	ND	nt
10LCMW335W (field rinsate; deionized water)	3/27/2006	Field Office	ND	ND	ND	ND	ND	17.0 (J)	ND	6.2	ND
Lab detection limit			1.0	1.0	1.0	1.0	1.0	5.0	1.0	1.0	2.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	n/a	200	n/a	5	n/a	n/a	n/a	n/a
Note: Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested. nt - Sample not tested ND - Not detected to the limit of laboratory detection indicated µg/L - micrograms per liter J = value estimated B = also detected in the method blank associated with the sample n/a - Not applicable. MTCA Method A Cleanup Level not provided. Acetone is a common laboratory solvents and may indicate laboratory contamination.											

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 1st QUARTER 2006
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
10LCMW01SW	3/23/2006	1300	4.70	285.46	11.1	78	39	6.32	clear	collected duplicate
10LCMW01DW	3/23/2006	1330	5.12	285.13	11.7	83	42	6.53	clear	
10LCMW02SW	3/23/2006	1120	5.00	286.19	11.4	84	43	6.59	clear	
10LCMW02DW	3/23/2006	1155	5.56	286.03	12.0	86	44	6.22	clear	
10LCMW03SW	3/22/2006	1145	4.38	286.53	11.5	86	44	6.61	clear	
10LCMW03DW	3/22/2006	1210	4.58	286.40	10.8	80	40	6.21	clear	
10LCMW04SW	3/22/2006	1015	4.31	287.32	9.8	75	38	6.1	clear	
10LCMW04DW	3/22/2006	1050	5.00	286.79	10.8	100	51	6.8	clear	collected duplicate
10LCMW05SW	3/21/2006	1325	6.23	303.88	10.8	143	73	7.3	clear	
10LCMW05DW	3/21/2006	1320	0.00	310.94	10.6	139	70	7.12	clear	
10LCMW06SW	3/21/2006	1200	5.96	302.31	9.7	165	84	6.48	clear	
10LCMW07SW	3/21/2006	1225	6.55	302.37	10.4	225	114	7.29	clear	
10LCMW08SW	3/21/2006	1250	6.00	304.78	10.7	164	84	7.13	clear	
10LCMW09SW	3/22/2006	1430	5.22	342.09	9.4	28	14	5.45	slightly cloudy	
10LCMW10SW	3/22/2006	1405	8.74	342.73	10.3	19	9	5.04	silty	
10LCMW11SW	3/22/2006	1325	6.75	338.97	10.9	351	178	6.41	cloudy	
10L4MW01AW	3/27/2006	1300	16.12	515.28	11.5	20	10	5.19	slightly cloudy	

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 1st QUARTER 2006
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
10L4MW01BW	3/27/2006	1320	12.12	517.45	11.2	14	8	5.1	clear	
10L4MW02AW	3/27/2006	1120	25.18	494.75	12.3	52	25	4.72	slightly cloudy	
10L4MW02BW	3/27/2006	1145	31.30	487.16	12.0	82	42	5.59	clear	
10L4MW03AW	3/24/2006	1140	28.52	486.33	11.9	16	8	4.95	clear	
10L4MW03BW	3/24/2006	1100	26.02	485.45	11.7	29	14	5.39	slightly cloudy	collected duplicate
10L4MW04AW	3/27/2006	1220	27.22	484.57	11.5	12	6	5.28	clear	
10L4MW05AW	3/27/2006	1045	23.35	487.56	10.7	18	8	5.38	clear	
10L4MW07BW	3/24/2006	1230	38.90	441.52	10.5	25	12	5.53	clear	
10L4MW17W	3/24/2006	1330	9.86	351.62	10.3	238	121	7.04	clear	
10L4MW18W	3/24/2006	1300	11.06	351.78	10.9	144	74	5.81	slightly cloudy	

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

**TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

TABLE 4. CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES - 2nd QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Total Metals (µg/L)													VOCs (µg/L)	SVOCs (µg/L)	Petroleum Hydrocarbons (mg/L)			Ordnance Explosives Compounds (µg/L)		NG (µg/L)	PETN (µg/L)	Picric Acid (µg/L)	Perchlorate (µg/L)	TOC (mg/L)	DOC (mg/L)	TSS (mg/L)	Alkalinity (HCO ₃) (mg/L)	Alkalinity (CO ₃) (mg/L)	Ions (results above detection limits shown)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc			NWTPH-Dx	Oil Range	NWTPH-Gx	HMX	RDX										
11LCMW01SW	6/26/2006	Lacamas Cr.	ND	0.32	0.02	0.06	1.11	1.11	0.066(E)	ND	1.05(E)	0.29	0.04	ND	7.24(E)	nt	nt	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	42	ND	chloride 1.5 mg/L		
11LCMW01DW	6/26/2006	Lacamas Cr.	ND	0.57	ND	0.15	1.57	1.57	0.17(E)	ND	1.67(E)	0.45	0.07	ND	3.8(E)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	47	ND	sulfate as SO ₄ 1.5 mg/L; chloride 1.6 mg/L		
11LCMW02SW	6/26/2006	Lacamas Cr.	0.55	0.66	ND	0.11	0.71	0.71	0.047(E)	ND	0.85(E)	0.35	0.04	ND	1.63(E)	nt	nt	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	chloride 1.4 mg/L			
11LCMW02DW	6/26/2006	Lacamas Cr.	ND	0.58	ND	0.07	1.37	1.37	0.072(E)	ND	1.91(E)	0.29	0.07	ND	5.57(E)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	44	ND	nitrate as N 0.22 mg/L; sulfate as SO ₄ 1.1 mg/L; chloride 1.9 mg/L		
11LCMW03SW	6/27/2006	Lacamas Cr.	ND	0.24	ND	0.02	0.49	0.49	0.02	ND	0.58	ND	ND	ND	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41	ND	nitrate as N 0.22 mg/L; chloride 1.3 mg/L		
11LCMW03DW	6/27/2006	Lacamas Cr.	0.39	0.63	ND	0.04	0.65	0.65	0.03	ND	0.72	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	46	ND	nitrate as N 0.31 mg/L; sulfate as SO ₄ 1.1 mg/L; chloride 1.7 mg/L		
11LCMW04SW	6/26/2006	Lacamas Cr.	0.09	0.36	0.09	0.22	3.65	3.65	0.89(E)	ND	3.4(E)	0.27	0.06	0.03	7.35(E)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57	39	ND	nitrate as N 0.9 mg/L; chloride 2.4 mg/L		
11LCMW04DW	6/26/2006	Lacamas Cr.	ND	1.28	0.07	0.47	4.31	4.31	1.06(E)	ND	4.39(E)	0.21	0.11	0.02	7.65(E)	ND	nt	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	50	ND	nitrate as N 0.25 mg/L; sulfate as SO ₄ 2.4 mg/L; chloride 2.2 mg/L		
11LCMW05SW	6/21/2006	Demo Area 3	0.34	0.86	ND	1.41	4.06	4.06	0.79	ND	3.49	ND	0.08	ND	8.38(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11LCMW05DW	6/21/2006	Demo Area 3	0.21	0.83	0.09	0.37	3.66	3.66	2.09	ND	3.87	ND	0.05	0.01	5.17(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11LCMW06SW	6/21/2006	Demo Area 3	ND	2.46	ND	0.09	1.07	1.07	0.40	ND	2.39	ND	ND	ND	4.3(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11LCMW07SW	6/21/2006	Demo Area 3	0.14	3.01	ND	0.22	2.44	2.44	0.32	ND	2.4	ND	0.03	ND	7.66(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11LCMW08SW	6/21/2006	Demo Area 3	0.09	0.94	ND	0.48	2.94	2.94	0.83	0.04	2.8	ND	0.03	ND	7.46(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11LCMW09SW	6/21/2006	Demo Area 2	ND	0.30	0.04	0.40	3.48	3.48	2.38	ND	2.58	ND	0.03	ND	10.4(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11LCMW10SW	6/21/2006	Demo Area 2	ND	0.63	0.22	0.62	6.05	6.05	3.51	ND	5.75	ND	0.04	0.02	17.8(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11LCMW11SW	6/21/2006	Demo Area 2	ND	5.89	0.06	0.37	4.56	4.56	1.78	ND	3.92	ND	0.05	ND	9.62(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11L4MW01AW	6/23/2006	Landfill 4	ND	0.51	0.09	0.31	6.78	6.78	1.11(E)	ND	6.37(E)	0.74	0.11	0.02	23.1(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	2.2	nt	nt	nt	nt		
11L4MW01BW	6/23/2006	Landfill 4	ND	0.32	0.02	0.07	5.28	5.28	0.32(E)	ND	3.38(E)	0.59	0.10	0.01	3.27(E)	ND	ND	nt	nt	nt	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt		
11L4MW02AW	6/22/2006	Landfill 4	0.11	ND	0.07	0.65	8.9	8.9	0.30	ND	6.33	0.23	0.03	ND	7.72(E)	ND	nt	nt	nt	nt	3.1	21	ND	ND	nt	180	nt	nt	nt	nt		
11L4MW02BW	6/22/2006	Landfill 4	ND	0.04	0.06	0.37	3.65	3.65	1.06	ND	3.25	0.26	ND	ND	5.53(E)	Detect: see VOC table	nt	nt	nt	nt	3.7	92(E)	ND	ND	nt	400	nt	nt	nt	nt		
11L4MW03AW	6/22/2006	Landfill 4	ND	ND	0.04	0.12	6.23	6.23	2.68	ND	4.11	ND	0.09	ND	7.95(E)	ND	nt	nt	nt	nt	ND	10	ND	ND	nt	97	nt	nt	nt	nt		
11L4MW03BW	6/22/2006	Landfill 4	ND	ND	0.07	0.36	10.8	10.8	0.81	ND	6.99	ND	0.07	ND	6.18(E)	ND	nt	nt	nt	nt	ND	2.9	ND	ND	nt	51	nt	nt	nt	nt		
11L4MW04AW	6/22/2006	Landfill 4	ND	ND	0.06	0.21	7.37	7.37	0.26	ND	21.9	ND	0.06	0.01	8.81(E)	ND	nt	nt	nt	nt	ND	1.5	ND	ND	nt	20	nt	nt	nt	nt		
11L4MW05AW	6/22/2006	Landfill 4	0.08	0.50	0.22	0.48	8.48	8.48	2.46	ND	7.76	ND	0.11	0.02	32.8(E)	Detect: see VOC table	nt	nt	nt	nt	ND	3.4	ND	ND	nt	29	nt	nt	nt	nt		
11L4MW07BW	6/23/2006	Landfill 4	0.15	0.77	0.03	0.64	6.29	6.29	0.36(E)	ND	5.43(E)	0.92	0.20	0.02	7.35(E)	ND	nt	nt	nt	nt	ND	0.64	ND	ND	nt	2.3	nt	nt	nt	nt		
11L4MW17W	6/23/2006	Landfill 4	0.48	0.77	0.02	0.03	2.34	2.34	0.52(E)	ND	3.38(E)	ND	ND	0.01	2.97(E)	Detect: see VOC table	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt		
11L4MW18W	6/23/2006	Landfill 4	0.80	1.88	0.38	1.23	24	24	8.78(E)	ND	40.8(E)	ND	0.44	0.13	74.8(E)	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt		
11LCMW340W (field duplicate of 11LCMW07SW)	6/21/2006	Demo Area 3	0.16	3.22	ND	0.60	3.84	3.84	0.79	0.05	3.06	ND	0.04	ND	5.74E	ND	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	nt	nt	nt		
11L4MW345W (field duplicate of 11L4MW02BW)	6/22/2006	Landfill 4	ND	0.06	0.06	0.41	4.39	4.39	2.3	0.06	3.46	0.24	0.06	0.01	9.3(E)	Detect: see VOC table	nt	nt	nt	nt	3.7	90(E)	ND	ND	nt	390	nt	nt	nt	nt		
11LCM355W (field duplicate of 11LCMW03SW)	6/27/2006	Lacamas Cr.	ND	0.25	ND	ND	1.26	1.26	0.01	ND	0.57	ND	ND	ND	ND	nt	nt	ND	ND	ND	ND	ND	ND	ND	ND	3	42	ND	nitrate as N 0.22 mg/L; chloride 1.5 mg/L			
11LCMW360W (field rinsate; deionized water)	6/27/2006	Field Office	0.45	ND	ND	ND	0.47	0.47	0.02	ND	0.10	ND	ND	ND	ND	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	none above detection limits		
Trip Blank TB-1	6/22/2006		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt		
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.013	0.04	0.01	0.02	0.01	0.02	varies	varies	0.10 mg/L	0.40 mg/L	0.025 mg/L	0.48-0.60 µg/L	0.48-0.60 µg/L	2.5 µg/L	1.2 µg/L	0.94-1 µg/L	1.0 µg/L	1.0 mg/L	1.0 mg/L	2.0 mg/L	4 mg/L	see lab data report for limits	
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	varies	varies	500	500	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800																	

Notes:
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
µg/L - micrograms per liter
mg/L - milligrams per liter
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
Detect - VOC compound detected; see separate VOC table
J or E = value estimated
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.
BOLD Print indicates concentration exceeding WA MTCA Method A Cleanup Level

**TABLE 5. DISSOLVED METALS AND DOC - 2nd QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)												DOC (mg/L)	
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium		Zinc
11LCMW01SW	6/26/2006	Lacamas Cr.	ND	0.21	ND	0.15	0.23	0.14(E)	0.005(E)	ND	0.69(E)	0.13	ND	ND	3.13(E)	ND
11LCMW01DW	6/26/2006	Lacamas Cr.	ND	0.42	ND	0.34	0.18	0.19(E)	0.01(E)	ND	0.95(E)	0.14	ND	ND	5.64(E)	ND
11LCMW02SW	6/26/2006	Lacamas Cr.	ND	0.45	ND	0.16	0.17	0.15(E)	0.014(E)	ND	0.68(E)	ND	ND	ND	3.94(E)	ND
11LCMW02DW	6/26/2006	Lacamas Cr.	ND	0.42	ND	0.40	0.60	0.19(E)	0.021(E)	ND	1.27(E)	ND	ND	ND	4.08(E)	ND
11LCMW03SW	6/27/2006	Lacamas Cr.	ND	0.23	ND	0.02	0.20	ND	0.02	ND	0.75	ND	ND	ND	0.03	ND
11LCMW03DW	6/27/2006	Lacamas Cr.	0.29	0.63	ND	ND	0.25	ND	0.03	ND	0.69	ND	ND	ND	0.41	ND
11LCMW04SW	6/26/2006	Lacamas Cr.	ND	0.08	ND	0.08	0.34	0.19(E)	0.03(E)	ND	0.62(E)	ND	ND	ND	4.00(E)	ND
11LCMW04DW	6/26/2006	Lacamas Cr.	ND	0.94	ND	0.16	0.36	0.18(E)	ND	ND	1.61(E)	ND	ND	ND	2.87(E)	ND
11LCMW05SW	6/21/2006	Demo Area 3	ND	0.72	ND	0.26	0.68	0.44	0.07	ND	1.17	0.27	ND	ND	4.12(E)	nt
11LCMW05DW	6/21/2006	Demo Area 3	0.09	0.61	ND	0.10	0.93	0.29	0.05	ND	2.78	0.17	ND	ND	5.02(E)	nt
11LCMW06SW	6/21/2006	Demo Area 3	0.12	2.28	ND	0.37	0.45	0.75	0.08	ND	2.08	ND	ND	ND	4.74(E)	nt
11LCMW07SW	6/21/2006	Demo Area 3	ND	2.8	ND	0.30	1.54	0.36	0.01	ND	2.51	0.16	ND	ND	2.54(E)	nt
11LCMW08SW	6/21/2006	Demo Area 3	ND	0.89	ND	0.61	1.20	0.49	0.03	ND	1.46	0.26	ND	ND	5.53(E)	nt
11LCMW09SW	6/21/2006	Demo Area 2	ND	ND	ND	0.25	0.88	0.67	0.07	ND	1.4	ND	ND	ND	3.71(E)	nt
11LCMW10SW	6/21/2006	Demo Area 2	0.31	ND	0.02	0.42	0.52	1.22	0.06	ND	1.15	ND	ND	ND	5.68(E)	nt
11LCMW11SW	6/21/2006	Demo Area 2	0.16	3.86	ND	0.04	0.37	0.37	0.04	ND	1.57	0.17	ND	ND	3.34(E)	nt
11L4MW01AW	6/23/2006	Landfill 4	ND	ND	0.04	0.39	0.95	0.22(E)	0.017(E)	ND	2.13(E)	0.14	ND	ND	5.58(E)	nt
11L4MW01BW	6/23/2006	Landfill 4	ND	ND	0.03	0.35	0.95	0.15(E)	0.014(E)	ND	1.63(E)	ND	ND	ND	3.29(E)	nt
11L4MW02AW	6/22/2006	Landfill 4	ND	ND	0.06	0.39	2.58	0.34	0.06	ND	3.29	0.23	ND	ND	4.66(E)	nt
11L4MW02BW	6/22/2006	Landfill 4	ND	ND	0.05	0.22	2.91	0.90	0.02	ND	3.66	0.28	ND	ND	4.85(E)	nt
11L4MW03AW	6/22/2006	Landfill 4	ND	ND	0.02	0.35	0.82	0.36	0.02	ND	1.99	ND	ND	ND	6.31(E)	nt
11L4MW03BW	6/22/2006	Landfill 4	ND	ND	ND	0.10	1.87	0.28	0.06	ND	4.11	0.21	ND	ND	5.58(E)	nt
11L4MW04AW	6/22/2006	Landfill 4	ND	ND	ND	0.12	1.48	0.22	0.02	ND	1.82	0.15	ND	ND	3.53(E)	nt
11L4MW05AW	6/22/2006	Landfill 4	ND	ND	0.03	0.12	1.07	0.40	1.47	ND	2.2	ND	ND	0.01	6.40(E)	nt
11L4MW07BW	6/23/2006	Landfill 4	0.20	0.18	ND	0.06	0.98	0.31(E)	0.041(E)	ND	2.61(E)	0.15	ND	ND	4.58(E)	nt
11L4MW17W	6/23/2006	Landfill 4	ND	0.81	ND	0.03	0.69	0.53(E)	0.02(E)	ND	1.83(E)	0.25	ND	ND	5.33(E)	nt
11L4MW18W	6/23/2006	Landfill 4	0.74	0.10	ND	0.33	1.30	0.22(E)	0.014(E)	ND	1.56(E)	0.23	ND	ND	3.95(E)	nt
11LCMW340W (field duplicate of 11LCMW07SW)	6/21/2006	Demo Area 3	ND	2.84	ND	0.40	1.22	0.51	0.029	ND	1.88	0.17	ND	ND	4.01(E)	nt
11L4MW345W (field duplicate of 11L4MW02BW)	6/22/2006	Landfill 4	ND	0.07	0.03	0.32	4.43	0.39	0.014	ND	5.11	0.49	ND	ND	4.1(E)	nt
11LCM355W (field duplicate of 11LCMW03SW)	6/27/2006	Lacamas Cr.	ND	0.27	ND	ND	0.15	ND	0.021	ND	0.64	ND	ND	ND	ND	ND
11LCMW360W (field rinseate; deionized water)	6/27/2006	Field Office	0.37	ND	ND	ND	0.31	ND	0.016	ND	0.10	ND	ND	ND	ND	ND
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.013	0.04	0.01	0.02	0.01	0.02	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800	

BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
ug/L - micrograms per liter
J or E = value estimated
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

**TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 2nd QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (µg/L)							SVOC (µg/l)
			Acetone	Benzene	Trichlorofluoromethane	Tetrachloroethene (PCE)	1,1,2,2-Tetrachloroethane	Trichloroethene (TCE)	Chloroform	
11L4MW02BW	6/22/2006	Landfill 4	1.8(J)	0.3(J)	0.7(J)	0.8(J)	ND	ND	ND	nt
11L4MW05AW	6/22/2006	Landfill 4	ND	ND	ND	0.6(J)	ND	ND	ND	nt
11L4MW17W	6/23/2006	Landfill 4	1.5(J)	ND	ND	ND	ND	ND	ND	nt
11L4MW345W (field duplicate of 11L4MW02BW)	6/22/2006	Landfill 4	1.9(J)	0.3(J)	0.7(J)	0.8(J)	0.2(J)	0.2(J)	ND	nt
11LCMW360W (field rinsate; deionized water)	6/27/2006	Field Office	2.9(J)	ND	ND	ND	ND	ND	0.8(J)	ND
Lab detection limit			5.0	1.0	1.0	1.0	1.0	5.0	1.0	2.0
Method A Cleanup Levels (µg/L)			n/a	n/a	200	n/a	5	n/a	n/a	n/a
Note: Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested. nt - Sample not tested ND - Not detected to the limit of laboratory detection indicated µg/L - micrograms per liter J = value estimated B = also detected in the method blank associated with the sample n/a - Not applicable. MTCA Method A Cleanup Level not provided. Acetone is a common laboratory solvent and may indicate laboratory contamination.										

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 2nd QUARTER 2006
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
11LCMW01SW	6/26/06	1230	5.85	284.31	11.1	78	39	6.32	clear	
11LCMW01DW	6/26/06	1300	6.13	284.12	11.7	83	42	6.53	clear	
11LCMW02SW	6/26/06	1120	6.68	284.51	11.4	84	43	6.59	clear	
11LCMW02DW	6/26/06	1140	7.24	284.35	12.0	86	44	6.22	clear	collected duplicate
11LCMW03SW	6/27/06	1150	6.30	284.61	11.5	86	44	6.61	clear	
11LCMW03DW	6/27/06	1230	6.44	284.54	10.8	80	40	6.21	clear	MS/MSD
11LCMW04SW	6/26/06	1050	6.14	285.49	9.8	75	38	6.1	clear	
11LCMW04DW	6/26/06	1030	8.94	282.85	10.8	100	51	6.8	clear	
11LCMW05SW	6/21/2006	1310	7.15	302.96	10.8	143	73	7.3	clear	
11LCMW05DW	6/21/2006	1250	0.00	310.94	10.6	139	70	7.12	clear	
11LCMW06SW	6/21/2006	1120	7.82	300.45	9.7	165	84	6.48	clear	
11LCMW07SW	6/21/2006	1200	7.16	301.76	10.4	225	114	7.29	clear	collected duplicate
11LCMW08SW	6/21/2006	1225	6.97	303.81	10.7	164	84	7.13	clear	
11LCMW09SW	6/21/2006	1450	5.84	341.47	9.4	28	14	5.45	slightly cloudy	
11LCMW10SW	6/21/2006	1425	9.61	341.86	10.3	19	9	5.04	silty	
11LCMW11SW	6/21/2006	1405	7.37	338.35	10.9	351	178	6.41	cloudy	
11L4MW01AW	6/23/2006	1310	16.64	514.76	11.5	20	10	5.19	slightly cloudy	
11L4MW01BW	6/23/2006	1330	13.34	516.23	11.2	14	8	5.1	clear	

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 2nd QUARTER 2006
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
11L4MW02AW	6/23/2006	1200	27.22	492.71	12.3	52	25	4.72	slightly cloudy	
11L4MW02BW	6/23/2006	1220	32.77	485.69	12.0	82	42	5.59	clear	collected duplicate
11L4MW03AW	6/23/2006	1405	29.65	485.20	11.9	16	8	4.95	clear	
11L4MW03BW	6/23/2006	1430	27.10	484.37	11.7	29	14	5.39	slightly cloudy	
11L4MW04AW	6/22/2006	1120	27.88	483.91	11.5	12	6	5.28	clear	
11L4MW05AW	6/22/2006	1330	24.22	486.69	10.7	18	8	5.38	clear	
11L4MW07BW	6/23/2006	1230	39.76	440.66	10.5	25	12	5.53	clear	
11L4MW17W	6/23/2006	1135	10.56	350.92	10.3	238	121	7.04	clear	
11L4MW18W	6/23/2006	1200	11.64	351.20	10.9	144	74	5.81	slightly cloudy	

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.

TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
LC-MW05S	AHA-374	Demo Area 3	40.40	22-37	310.10	LC-MW05S
LC-MW10D	AHA-360	Demo Area 3	65.20	53-63	309.94	LC-MW05D
LC-MW11S	AHA-372	Demo Area 3	17.54	12-15	308.27	LC-MW06S
LC-MW12S	AHA-371	Demo Area 3	40.44	22-37	308.92	LC-MW07S
LC-MW13S	AHA-373	Demo Area 3	40.10	22-37	309.78	LC-MW08S
LC-MW14	AHA-369	Demo Area 2	19.64	7-17	347.31	LC-MW09S
LC-MW15	AHA-370	Demo Area 2	26.16	9-24	351.47	LC-MW10S
LC-MW16	AHA-368	Demo Area 2	19.50	7-17	345.72	LC-MW11S
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

TABLE 4. CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES - 3rd QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Total Metals (µg/L)													VOCs (µg/L)	SVOCs (µg/L)	Petroleum Hydrocarbons (mg/L)			Ordnance Explosives Compounds (µg/L)		NG (µg/L)	PETN (µg/L)	Picric Acid (µg/L)	Perchlorate (µg/L)	TOC (mg/L)	DOC (mg/L)	TSS (mg/L)	Alkalinity (HCO ₃) (mg/L)	Alkalinity (CO ₃) (mg/L)	Ions (results above detection limits shown)			
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc			NWTPH-Dx	Oil Range	NWTPH-Gx	HMX	RDX													
12LCMW01SW	9/28/2006	Lacamas Cr.	ND	0.20(J)	ND	0.05(J)	1.03	0.13(J)	ND	0.057(J)	1.61	0.28(J)	ND	ND	2.07(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	chloride 1.7 mg/L	
12LCMW01DW	9/28/2006	Lacamas Cr.	ND	0.38(J)	ND	0.10(J)	0.70(J)	0.15(J)	ND	0.117(J)	1.35	0.40(J)	ND	ND	1.59(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	sulfate as SO ₄ 1.6 mg/L; chloride 1.8 mg/L			
12LCMW02SW	9/28/2006	Lacamas Cr.	0.38(J)	0.44(J)	ND	0.05(J)	0.42(J)	0.05(J)	ND	0.033(J)	0.83(J)	0.22(J)	ND	ND	2.31(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	chloride 1.8 mg/L			
12LCMW02DW	9/28/2006	Lacamas Cr.	ND	0.49(J)	0.02(J)	0.39(J)	0.98(J)	0.83(J)	0.61(J)	0.049(J)	3.96	0.42(J)	ND	ND	5.72(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	nitrate as N 0.22 mg/L; chloride 1.9 mg/L			
12LCMW03SW	9/28/2006	Lacamas Cr.	ND	0.41(J)	ND	0.06(J)	0.33(J)	0.07(J)	ND	0.035(J)	0.74(J)	0.46(J)	ND	ND	1.55(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	nitrate as N 0.27 mg/L; chloride 1.6 mg/L			
12LCMW03DW	9/28/2006	Lacamas Cr.	ND	0.72(J)	ND	0.04(J)	0.39(J)	0.10(J)	ND	0.035(J)	0.93(J)	0.52(J)	ND	ND	1.82(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	nitrate as N 0.31 mg/L; chloride 1.8 mg/L			
12LCMW04SW	9/29/2006	Lacamas Cr.	ND	0.22(J)	ND	0.68(J)	1.10(J)	0.35(J)	0.31(J)	0.067(J)	1.07	0.11(J)	ND	0.009(J)	3.68(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	nitrate as N 0.79 mg/L; chloride 2.4 mg/L			
12LCMW04DW	9/29/2006	Lacamas Cr.	ND	1.23	ND	0.17(J)	3.19(J)	2.11	0.70(J)	0.24	2.77	ND	ND	0.01(J)	7.87(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	nitrate as N 0.24 mg/L; sulfate as SO ₄ 2.0 mg/L; chloride 2.1 mg/L			
12L4MW01AW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	2.2	nt	nt	nt	nt	nt	nt	nt		
12L4MW01BW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	nt		
12L4MW02AW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	280	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW02BW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	3.6	96(E)	ND	ND	nt	530	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW03AW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	9.9	ND	ND	nt	120	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW03BW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	4	ND	ND	nt	55	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW04AW	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	1.2	ND	ND	nt	25	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW05AW	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	ND	3.8	ND	ND	nt	35	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW07BW	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	2.3	nt	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW17W	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	ND	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW18W	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	
12L4MW370W (field duplicate of 12L4MW07BW)	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	ND	nt	2	nt	nt	nt	nt	nt	nt	nt	nt	
MS/MSD (field duplicate of 12LCMW04DW)	9/29/2006	Lacamas Cr.	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	ND	ND	ND	ND	nt	nt	ND	ND	ND	ND	0.33	0.33	11	51	ND	nt	nt	nt	
12LCMW0360W (field duplicate of 12LCMW04DW)	9/29/2006	Lacamas Cr.	0.12(J)	1.23	ND	0.09(J)	1.68(J)	0.99(J)	0.26(J)	0.029(J)	1.89	ND	ND	ND	4.39(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	nitrate as N 0.24 mg/L; sulfate as SO ₄ 2.0 mg/L; chloride 2.1 mg/L		
12LCMW0365W (field rinsate; deionized water)	9/29/2006	Field Office	ND	ND	ND	0.022(J)	ND	0.16(J)	0.07(J)	0.197(J)	0.63(J)	ND	ND	ND	2.20(J)	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	none above detection limits	nt		
Trip Blank TB-1	9/27/2006		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Trip Blank TB-2	9/29/2006		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.02	0.04	0.01	0.02	0.01	0.02	varies	varies	0.10 mg/L	0.40 mg/L	0.025 mg/L	0.48-0.60 µg/L	0.48-0.60 µg/L	2.5 µg/L	1.2 µg/L	0.94-1 µg/L	1.0 µg/L	1.0 mg/L	1.0 mg/L	2.0 mg/L	4 mg/L			see lab data report for limits		
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	varies	varies	500	500	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800																			n/a	

Notes:
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
µg/L - micrograms per liter
mg/L - milligrams per liter
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
Detect - VOC compound detected; see separate VOC table
J or E = value estimated
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.
BOLD Print indicates concentration exceeding WA MTCA Method A Cleanup Level

**TABLE 5. DISSOLVED METALS AND DOC - 3rd QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	
12LCMW01SW	9/28/2006	Lacamas Cr.	ND	0.20(J)	ND	0.03(J)	0.31(J)	0.05(J)	ND	0.049(J)	1.48	0.23(J)	ND	ND	2.78(J)	ND
12LCMW01DW	9/28/2006	Lacamas Cr.	ND	0.35(J)	ND	0.05(J)	0.09(J)	0.07(J)	ND	0.06(J)	1.23	0.42(J)	ND	ND	2.28(J)	4.5
12LCMW02SW	9/28/2006	Lacamas Cr.	0.12(J)	0.49(J)	0.03(J)	0.08(J)	0.25(J)	0.15(J)	0.02(J)	0.067(J)	1.03	0.41(J)	0.04(J)	0.03(J)	2.87(J)	1.6
12LCMW02DW	9/28/2006	Lacamas Cr.	ND	0.37(J)	ND	0.07(J)	0.19(J)	0.04(J)	ND	0.08(J)	2.13	ND	ND	ND	4.06(J)	ND
12LCMW03SW	9/28/2006	Lacamas Cr.	0.59(J)	0.40(J)	ND	0.056(J)	ND	0.27(J)	ND	0.05(J)	0.73(J)	0.56(J)	ND	ND	2.67(J)	2.1
12LCMW03DW	9/28/2006	Lacamas Cr.	ND	0.80(J)	ND	0.03(J)	0.10(J)	0.06(J)	ND	0.13(J)	1.13	0.53(J)	ND	ND	2.26(J)	ND
12LCMW04SW	9/29/2006	Lacamas Cr.	ND	0.09(J)	ND	ND	0.07(J)	0.14(J)	0.06(J)	0.04(J)	1.57	ND	ND	ND	4.22(J)	1.2
12LCMW04DW	9/29/2006	Lacamas Cr.	ND	1.23	ND	0.04(J)	ND	0.18(J)	0.043(J)	0.17(J)	1.31	ND	ND	ND	5.86(J)	ND
12L4MW01AW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW01BW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW02AW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW02BW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW03AW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW03BW	9/26/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW04AW	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW05AW	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW07BW	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW17W	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW18W	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
12L4MW370W (field duplicate of 12L4MW07BW)	9/27/2006	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
MS/MSD (field duplicate of 12LCMW04DW)	9/29/2006	Lacamas Cr.	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND
12LCMW0360W (field duplicate of 12LCMW04DW)	9/29/2006	Lacamas Cr.	0.32(J)	1.28	ND	0.02(J)	2.99(J)	0.28(J)	0.021(J)	0.064(J)	2.28	ND	ND	ND	3.12(J)	ND
12LCMW0365W (field rinsate; deionized water)	9/29/2006	Field Office	ND	1.38	ND	0.49(J)	1.60(J)	0.77(J)	0.41(J)	0.043(J)	13.20	ND	ND	ND	50.1	ND
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.013	0.04	0.01	0.02	0.01	0.02	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800	

BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
ug/L - micrograms per liter
J or E = value estimated
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS - 3rd QUARTER 2006
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	VOCs (µg/L)											SVOC (µg/l)
			Acetone	2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene	Dichlorodifluoromethane	Trichlorofluoromethane	Tetrachloroethene (PCE)	1,1,1-Trichloroethane	1,1,1,2,2 Tetrachloroethane	Tetrachloroethene	Chloroform	
12L4MW02BW	9/26/2006	Landfill 4	ND	ND	38	21	150	0.65(J)	ND	83	ND	0.72(J)	ND	nt
12L4MW05AW	9/27/2006	Landfill 4	ND	ND	ND	ND	ND	ND	0.6(J)	ND	ND	0.58(J)	ND	nt
12L4MW17W	9/27/2006	Landfill 4	1.9(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	nt
12LCMW0365W (field rinsate; deionized water)	9/29/2006	Field Office	ND	1.4 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lab detection limit			5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	1.0	2.0
Method A Cleanup Levels (µg/L)			n/a	n/a				200	n/a		5	n/a	n/a	n/a

Note:
Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.
nt - Sample not tested
ND - Not detected to the limit of laboratory detection indicated
µg/L - micrograms per liter
J = value estimated
B = also detected in the method blank associated with the sample
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
Acetone is a common laboratory solvent and may indicate laboratory contamination.

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 3rd QUARTER 2006
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
12LCMW01SW	9/28/2006	1200	6.64	283.52	13.8	76	39	6.08	clear	
12LCMW01DW	9/28/2006	1235	7.16	283.09	12.9	79	40	6.06	clear	
12LCMW02SW	9/28/2006	1320	7.68	283.51	12.9	76	35	7.00	clear	
12LCMW02DW	9/28/2006	1345	8.36	283.23	13.2	85	43	6.79	clear	
12LCMW03SW	9/28/2006	1425	7.28	283.63	13.2	78	39	6.52	clear	
12LCMW03DW	9/28/2006	1445	7.60	283.38	12.4	87	43	6.66	clear	
12LCMW04SW	9/29/2006	1120	7.24	284.39	12.6	79	40	6.13	clear	
12LCMW04DW	9/29/2006	1150	7.68	284.11	11.9	99	50	6.75	clear	collected duplicate and MS/MSD
12L4MW01AW	9/26/2006	1135	17.22	514.18	12.6	26	13	4.82	clear	
12L4MW01BW	9/26/2006	1215	14.50	515.07	12.1	18	9	4.27	clear	
12L4MW02AW	9/26/2006	1345	29.18	490.75	13.9	21	10	4.00	clear	
12L4MW02BW	9/26/2006	1415	34.26	484.20	13.4	23	11	4.62	clear	
12L4MW03AW	9/26/2006	1250	30.90	483.95	13.3	15	7	4.09	clear	
12L4MW03BW	9/26/2006	1320	28.64	482.83	12.6	26	13	4.37	clear	
12L4MW04AW	9/27/2006	1030	28.90	482.89	12.0	13	6	4.66	cloudy	
12L4MW05AW	9/27/2006	1110	25.42	485.49	11.8	20	11	-	clear	
12L4MW07BW	9/27/2006	1215	40.80	439.62	11.5	26	12	5.12	clear	collected duplicate
12L4MW17W	9/27/2006	1320	11.18	350.30	13.3	265	134	-	clear	
12L4MW18W	9/27/2006	1255	12.10	350.74	13.2	144	58	-	slightly cloudy	

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 Field parameters of temperature, conductivity, and pH measured with a Hanna Model HI 991300 meter.
 - = no reading; parameter meter malfunction

**TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	LA-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	LA-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

TABLE 4. CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES - 1ST QUARTER 2007
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Total Metals (µg/L)													VOCs (µg/L)	SVOCs (µg/L)	Petroleum Hydrocarbons (mg/L)			Ordnance Explosives Compounds (µg/L)		NG (µg/L)	PETN (µg/L)	Picric Acid (µg/L)	Perchlorate (µg/L)	TOC (mg/L)	DOC (mg/L)	TSS (mg/L)	Alkalinity (HCO3) (mg/L)	Alkalinity (CO3) (mg/L)	Ions (results above detection limits shown)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc			NWTPH-Dx	Oil Range	NWTPH-Gx	HMX	RDX										
14LCMW01SW	3/21/2007	Lacamas Cr.	ND	0.256(J)	0.217(J)	ND	1.39(J)	ND	ND	ND	.719(J)	ND	ND	ND	1.89(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	4	44	< 4.0	chloride 1.4 mg/L	
14LCMW01DW	3/21/2007	Lacamas Cr.	ND	0.35(J)	ND	ND	3.06	ND	ND	0.066(J)	1.47	ND	ND	ND	2.54(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	3	46	< 4.0	chloride 1.8 mg/L	
14LCMW02SW	3/21/2007	Lacamas Cr.	ND	0.504(J)	ND	ND	0.76(J)	ND	ND	0.042(J)	0.763(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2.0	44	< 4.0	chloride 2.2 mg/L		
14LCMW02DW	3/21/2007	Lacamas Cr.	0.172(J)	0.524(J)	ND	0.359(J)	3.77(J)	1.16(J)	0.45(J)	0.052(J)	3.63	ND	ND	ND	5.14(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	22	45	< 4.0	sulfate as SO4 1.5 mg/L; chloride 1.8 mg/L		
14LCMW03SW	3/21/2007	Lacamas Cr.	ND	0.315(J)	ND	ND	0.466(J)	ND	ND	ND	0.577(J)	ND	ND	ND	ND	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	5	44	< 4.0	nitrate as N 0.22 mg/L; chloride 2.0 mg/L		
14LCMW03DW	3/21/2007	Lacamas Cr.	ND	0.568(J)	ND	ND	1.75(J)	ND	ND	0.026(J)	0.898(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	6	47	< 4.0	nitrate as N 0.4 mg/L; chloride 1.8 mg/L		
14LCMW04SW	3/22/2007	Lacamas Cr.	0.383(J)	0.189(J)	ND	0.095(J)	2.97(J)	1.69(J)	0.382(J)	0.128(J)	2.06	ND	ND	ND	5.75(J)	ND	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	22	38	< 4.0	nitrate as N 0.86 mg/L; chloride 2.3 mg/L		
14LCMW04DW	3/22/2007	Lacamas Cr.	ND	1.08	ND	0.116(J)	6.48	1.22(J)	0.22(J)	ND	3.79	0.171(J)	ND	ND	4.57(J)	ND	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	34	52	< 4.0	nitrate as N 0.26 mg/L; chloride 2.1 mg/L		
14L4MW01AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	3.8	nt	nt	nt	nt	nt	nt		
14L4MW01BW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt		
14L4MW02AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	150	nt	nt	nt	nt	nt	nt		
14L4MW02BW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	3.7	99(E)	ND	ND	nt	520	nt	nt	nt	nt	nt	
14L4MW03AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	13	ND	ND	nt	100	nt	nt	nt	nt	nt	
14L4MW03BW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	5.1	ND	ND	nt	48	nt	nt	nt	nt	nt	
14L4MW04AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	1.9	ND	ND	nt	24	nt	nt	nt	nt	nt	
14L4MW05AW	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	ND	3.5	ND	ND	nt	36	nt	nt	nt	nt	nt	
14L4MW07BW	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	20	nt	nt	nt	nt	nt	nt	
14L4MW17W	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	
14L4MW18W	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	
14L4MW410W (field duplicate of 14L4MW05AW)	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	ND	3.9	ND	ND	nt	34	nt	nt	nt	nt	nt	
RPD for duplicate 14L4MW05AW																																
MS/MSD (field duplicate of 14LCMW04DW)	3/22/2007	Lacamas Cr.	ND	1.084	ND	0.116(J)	6.476	1.221(J)	0.022(J)	ND	3.794	0.171(J)	ND	4.57(J)	ND	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	0.91	0.23	0.186	nt	nt	nt	nt	nt	
14LCMW405W (field duplicate of 14LCMW01DW)	3/21/2007	Lacamas Cr.	ND	0.37(J)	ND	ND	2.92(J)	ND	ND	0.123(J)	1.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	48	< 4.0	chloride 1.6 mg/L		
RPD for duplicate 14LCMW01DW				6%		5%				60%	10%																					
14LCMW400W (field rinsate at well LCMW18; deionized water)	3/22/2007	Landfill 4	ND	ND	ND	ND	0.494(J)	ND	ND	ND	0.262(J)	ND	ND	ND	1.93(J)	ND	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	3	< 2	< 2.0	none above detection limits		
Trip Blank 1	3/19/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Trip Blank 2	3/21/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Trip Blank 2	3/22/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.02	0.04	0.01	0.02	0.01	0.02	varies	varies	0.10 mg/L	0.40 mg/L	0.025 mg/L	0.48-0.60 µg/L	0.48-0.60 µg/L	2.5 µg/L	1.2 µg/L	0.94-1 µg/L	1.0 µg/L	1.0 mg/L	1.0 mg/L	2.0 mg/L	4 mg/L	2 - 4 mg/L	see lab data report for limits
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	varies	varies	500	500	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800																	

Notes:
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
µg/L - micrograms per liter
mg/L - milligrams per liter
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
Detect - VOC compound detected; see separate VOC table
J or E = value estimated
RPD = relative percent difference between sample versus duplicate
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.
BOLD Print indicates concentration exceeding WA MTCA Method A Cleanup Level

**TABLE 5. DISSOLVED METALS AND DOC - 1ST QUARTER 2007
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)	
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc		
14LCMW01SW	3/21/2007	Lacamas Cr.	ND	0.195(J)	ND	ND	1.55(J)	ND	ND	0.043(J)	1.33	ND	ND	ND	ND	ND	< 1.0
14LCMW01DW	3/21/2007	Lacamas Cr.	ND	0.398(J)	ND	ND	1.07(J)	0.937(J)	ND	ND	1.14	ND	ND	ND	ND	1.91(J)	< 1.0
14LCMW02SW	3/21/2007	Lacamas Cr.	ND	0.498(J)	ND	ND	1.57(J)	ND	ND	0.046(J)	1.42	ND	ND	ND	ND	1.98(J)	< 1.0
14LCMW02DW	3/21/2007	Lacamas Cr.	ND	0.466(J)	ND	ND	1.37(J)	ND	ND	0.057(J)	2.25	ND	ND	ND	ND	ND	< 1.0
14LCMW03SW	3/21/2007	Lacamas Cr.	ND	0.296(J)	ND	ND	0.499(J)	ND	ND	ND	0.928(J)	ND	ND	ND	ND	ND	< 1.0
14LCMW03DW	3/21/2007	Lacamas Cr.	ND	0.636(J)	ND	ND	2.16(J)	ND	ND	0.082(J)	1.93	ND	ND	ND	ND	ND	< 1.0
14LCMW04SW	3/22/2007	Lacamas Cr.	0.096(J)	ND	ND	ND	0.10(J)	ND	ND	0.056(J)	1.18	ND	ND	ND	ND	ND	< 1.0
14LCMW04DW	3/22/2007	Lacamas Cr.	0.217(J)	1.05	ND	ND	1.14(J)	ND	ND	0.068(J)	1.74	ND	ND	ND	ND	ND	< 1.0
14L4MW01AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW01BW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW02AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW02BW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW03AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW03BW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW04AW	3/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW05AW	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW07BW	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW17W	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW18W	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
14L4MW410W (field duplicate of 14L4MW05AW)	3/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
MS/MSD (field duplicate of 14LCMW04DW)	3/22/2007	Landfill 4	0.217(J)	1.05	0.215	ND	1.136	ND	ND	0.068(J)	1.74	ND	ND	ND	ND	ND	ND
14LCMW405W (field duplicate of 14LCMW01DW)	3/21/2007	Lacamas Cr.	ND	0.359(J)	ND	ND	0.683(J)	ND	ND	0.021(J)	1.33	ND	ND	ND	ND	ND	ND
RPD for duplicate 14LCMW01DW				10%			44%				15%						
14LCMW400W (field rinsate at well LCMW18; deionized water)	3/22/2007	Landfill 4	ND	ND	ND	ND	0.456(J)	ND	ND	0.072	0.421(J)	ND	ND	ND	ND	ND	ND
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.013	0.04	0.01	0.02	0.01	0.02	0.02	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800		

BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level
Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
nt - Sample not tested
ug/L - micrograms per liter
J or E = value estimated
ND - Not detected to the limit of laboratory detection indicated
n/a - Not applicable. MTCA Method A Cleanup Level not provided.
RPD = relative percent difference between sample versus duplicate
WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

**TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS
1st QUARTER 2007
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (µg/l)					SVOCs (µg/l)	
			1,1-Dichloroethane	1,1-Dichloroethene	Dichlorodifluoromethane	1,1,1-Trichloroethane	Tetrachloroethene	Benzoic Acid	bis(2-Ethylhexyl)phthalate
14L4MW02BW	3/20/2007	Landfill 4	30	17	97	60	0.70(J)	nt	nt
14L4MW05AW	3/19/2007	Landfill 4	ND	ND	ND	ND	0.48(J)	nt	nt
14LCMW03SW	3/21/2007	Lacamas Cr.	ND	ND	ND	ND	ND	ND	1.2(J,B)
14LCMW04DW	3/22/2007	Lacamas Cr.	ND	ND	ND	ND	ND	3.3(J)	1.7(J,B)
14LCMW04SW	3/22/2007	Lacamas Cr.	ND	ND	ND	ND	ND	ND	0.96(J,B)
14LCMW400W (field rinsate, deionized water)	3/22/2007	Lacamas Cr.	ND	ND	ND	ND	ND	3.6(J)	1.3(J,B)
14L4MW410W (field duplicate of 14L4MW05AW)	3/19/2007	Landfill 4	ND	ND	ND	ND	0.44(J)	ND	ND
RPD for duplicate 14L4MW05AW	3/19/2007	Landfill 4					9%		
MS/MSD (field duplicate of 14LCMW04DW)	3/22/2007	Lacamas Cr.	ND	ND	ND	ND	ND	3.3	1.67
Lab detection limit			1.0	1.0	1.0	1.0	1.0	3.3	1.7
WA MTCA Method A Cleanup Levels (µg/L)			n/a	n/a	n/a	n/a	n/a	n/a	n/a
<p>Note: Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested. nt - Sample not tested ND - Not detected to the limit of laboratory detection indicated µg/L - micrograms per liter J = value estimated B = also detected in the method blank associated with the sample n/a - Not applicable. MTCA Method A Cleanup Level not provided. RPD = relative percent difference between sample versus duplicate</p>									

TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 1ST QUARTER 2007
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Field Parameters at Time of Sampling										
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in Feet amsl **	Temp (degrees C)	Conductivity (µS/cm)	Total Dissolved Solids (ppm)	pH	Color and Relative Turbidity	Notes
14LCMW01SW	3/21/2007	1240	4.62	285.54	10.7	79	39	6.95	clear	
14LCMW01DW	3/21/2007	1315	5.07	285.18	11.7	84	42	7.06	clear	collected duplicate
14LCMW02SW	3/21/2007	1425	5.64	285.55	11.8	87	43	6.98	clear	
14LCMW02DW	3/21/2007	1500	4.97	286.62	11.4	83	42	6.94	clear	
14LCMW03SW	3/21/2007	1540	4.55	286.36	10.9	81	41	6.85	clear	
14LCMW03DW	3/21/2007	1610	4.72	286.26	11.5	90	45	6.95	clear	
14LCMW04SW	3/22/2007	1245	5.16	286.47	11.3	97	49	7.15	slightly cloudy	
14LCMW04DW	3/22/2007	1210	4.43	287.36	9.9	76	38	6.39	clear	collected MS/MSD duplicate
14L4MW01AW	3/20/2007	1545	16.07	515.33	11.0	18	10	5.45	clear	
14L4MW01BW	3/20/2007	1515	12.12	517.48	10.4	18	9	5.85	clear	
14L4MW02AW	3/20/2007	1200	25.24	494.69	11.5	45	21	5.28	clear	
14L4MW02BW	3/20/2007	1130	31.37	487.13	11.9	27	13	5.73	clear	
14L4MW03AW	3/20/2007	1315	29.03	485.87	12.4	15	8	5.53	clear	
14L4MW03BW	3/20/2007	1245	26.02	485.48	11.6	26	13	5.6	clear	
14L4MW04AW	3/20/2007	1050	27.14	484.66	12.4	14	7	5.56	clear	
14L4MW05AW	3/19/2007	1550	23.27	486.63	11.6	20	10	4.97	clear	collected duplicate
14L4MW07BW	3/19/2007	1450	38.87	441.93	11.2	28	14	5.47	clear	
14L4MW17W	3/19/2007	1400	10.49	350.99	11.0	230	118	7.01	clear	
14L4MW18W	3/19/2007	1430	11.20	351.64	11.2	131	66	6.09	clear	

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 Field parameters of temperature, conductivity, TDS, and pH measured with a Hanna Model HI 991300 meter.

**TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	N/A	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	L4-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	L4-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available

DRAFT TABLE 4. CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES - 2nd QUARTER 2007
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON

Sample No.	Sample Date	Sample Location	Total Metals (µg/L)													VOCs (µg/L)	SVOCs (µg/L)	Petroleum Hydrocarbons (mg/L)			Ordnance Explosives Compounds (µg/L)		NG (µg/L)	PETN (µg/L)	Picric Acid (µg/L)	Perchlorate (µg/L)	TOC (mg/L)	DOC (mg/L)	TSS (mg/L)	Alkalinity (HCO ₃) (mg/L)	Alkalinity (CO ₃) (mg/L)	Ions (results above detection limits shown)					
			Antimony	Arsenic	Beryllium	Cadmium	Chromium (total)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc			NWTPH-Dx	Oil Range	NWTPH-Gx	HMX	RDX															
15LCMW01SW	6/21/2007	Lacamas Cr.	0.188(J)	0.231(J)	ND	ND	3.87(J)	ND	ND	ND	2.40	0.264(J)	ND	ND	2.83(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	42	< 4.0	chloride 1.3 mg/L						
15LCMW01DW	6/21/2007	Lacamas Cr.	0.096(J)	0.386(J)	ND	0.131(J)	1.01(J)	ND	ND	ND	1.16	ND	ND	ND	3.19(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	44	< 4.0	chloride 1.5 mg/L						
15LCMW02SW	6/21/2007	Lacamas Cr.	0.247(J)	0.431(J)	ND	ND	ND	ND	ND	ND	0.616(J)	0.184(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	42	< 4.0	chloride 1.6 mg/L						
15LCMW02DW	6/21/2007	Lacamas Cr.	0.077(J)	0.570(J)	ND	0.104(J)	0.769(J)	ND	ND	ND	0.961(J)	0.122(J)	ND	ND	2.50(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	44	< 4.0	nitrate as N 0.23 mg/L; sulfate as SO ₄ 1.0 mg/L; chloride 2.1 mg/L						
15LCMW03SW	6/22/2007	Lacamas Cr.	ND	0.544(J)	ND	ND	0.206(J)	ND	ND	ND	0.534(J)	0.145(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	42	< 4.0	nitrate as N 0.25 mg/L; chloride 1.5 mg/L						
15LCMW03DW	6/22/2007	Lacamas Cr.	ND	0.797(J)	ND	ND	0.312(J)	ND	ND	ND	0.624(J)	ND	ND	ND	2.17(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	44	< 4.0	nitrate as N 0.33 mg/L; chloride 1.7 mg/L						
15LCMW04SW	6/22/2007	Lacamas Cr.	ND	0.145(J)	ND	ND	0.621(J)	ND	ND	ND	0.767(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	3	38	< 4.0	nitrate as N 1.1 mg/L; chloride 2.7 mg/L						
15LCMW04DW	6/22/2007	Lacamas Cr.	ND	1.10	ND	ND	0.589(J)	ND	ND	ND	0.761(J)	ND	ND	ND	2.82(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	49	< 4.0	sulfate as SO ₄ 1.7 mg/L; chloride 1.9 mg/L						
15L4MW01AW	6/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	1.9	nt	nt	nt	nt	nt	nt						
15L4MW01BW	6/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	nt					
15L4MW02AW	6/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	3.2	20	ND	ND	nt	170	nt	nt	nt	nt	nt	nt	nt				
15L4MW02BW	6/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	3.9	78(E)	ND	ND	nt	290	nt	nt	nt	nt	nt	nt	nt				
15L4MW03AW	6/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	9.7	ND	ND	nt	94	nt	nt	nt	nt	nt	nt	nt	nt				
15L4MW03BW	6/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	3.2	ND	ND	nt	44	nt	nt	nt	nt	nt	nt	nt	nt				
15L4MW04AW	6/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	1.8	ND	ND	nt	40	nt	nt	nt	nt	nt	nt	nt				
15L4MW05AW	6/20/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	2.5	ND	ND	nt	39	nt	nt	nt	nt	nt	nt	nt				
15L4MW07BW	6/18/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	3.0	nt	nt	nt	nt	nt	nt	nt	nt				
15L4MW17W	6/18/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	1.7	nt	nt	nt	nt	nt	nt	nt	nt				
15L4MW18W	6/18/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	ND	ND	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt			
15L4MW425W (field duplicate of 15L4MW02BW)	6/19/2007	Landfill 4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	2.9	58(E)	ND	ND	nt	290	nt	nt	nt	nt	nt	nt	nt	nt			
RPD for duplicate 15L4MW02BW																					29%	29%															
MS/MSD (field duplicate of 15LCMW01DW)	6/21/2007	Lacamas Cr.	0.096(J)	0.386(J)	ND	0.131(J)	1.015(J)	ND	ND	ND	1.161	ND	ND	ND	3.187(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18	nt	< 1	44	0			chloride 1.5 mg/L				
15LCMW415W (field duplicate of 15LCMW03DW)	6/22/2007	Lacamas Cr.	0.181(J)	0.788(J)	ND	ND	0.304(J)	ND	ND	ND	0.607(J)	0.188(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	44	< 4.0			nitrate as N 0.29 mg/L; chloride 1.7 mg/L				
RPD for duplicate 15LCMW03DW				1%			3%				3%																										
15LCMW420W (field equipment rinsate)	6/20/2007	Lacamas Cr.	0.26(J)	ND	ND	0.143(J)	0.991(J)	ND	ND	ND	0.216(J)	ND	ND	ND	ND	Detect: see VOC table	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1.0	< 1.0	< 2	< 2	< 2.0			none above detection limits				
15LCMW430W (metals blank; deionized water)	6/20/2007		ND	ND	ND	0.372(J)	0.456(J)	ND	ND	ND	0.735(J)	ND	ND	ND	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt		
Trip Blank 1	6/18/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt		
Trip Blank 2	6/19/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ND	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Trip Blank 3	6/20/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	
Trip Blank 4	6/21/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
Trip Blank 5	6/2/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	Detect: see VOC table	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.02	0.04	0.01	0.02	0.01	0.02	varies	varies	0.10 mg/L	0.40 mg/L	0.025 mg/L	0.48-0.60 µg/L	0.48-0.60 µg/L	2.4 µg/L	1.1 µg/L	0.94-1 µg/L	1.0 µg/L	1.0 mg/L	1.0 mg/L	2.0 mg/L	4 mg/L	2 - 4 mg/L			see lab data report for limits			
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	varies	varies	500	500	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800																						

Notes:
 Only detected analytes are shown; see laboratory reports for complete listing of compounds tested
 nt - Sample not tested
 µg/L - micrograms per liter
 mg/L - milligrams per liter
 ND - Not detected to the limit of laboratory detection indicated
 n/a - Not applicable. MTCA Method A Cleanup Level not provided.
 Detect - VOC compound detected; see separate VOC table
 J or E = value estimated
 RPD = relative percent difference between sample versus duplicate
 WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

DRAFT TABLE 5. DISSOLVED METALS AND DOC - 2nd QUARTER 2007 SUMMARY OF GROUNDWATER LABORATORY ANALYSIS CAMP BONNEVILLE, VANCOUVER, WASHINGTON																
Sample No.	Sample Date	Sample Location	Dissolved Metals - field filtered (µg/L)													DOC (mg/L)
			Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	
15LCMW01SW	6/21/2007	Lacamas Cr.	ND	0.160(J)	ND	0.096(J)	1.18	ND	ND	ND	1.31	ND	ND	ND	2.27(J)	< 1.0
15LCMW01DW	6/21/2007	Lacamas Cr.	ND	0.382(J)	ND	ND	0.756(J)	ND	ND	ND	1.33	ND	ND	ND	1.99(J)	< 1.0
15LCMW02SW	6/21/2007	Lacamas Cr.	0.303(J)	0.443(J)	ND	0.099(J)	0.632(J)	ND	ND	ND	1.09	ND	ND	ND	ND	< 1.0
15LCMW02DW	6/21/2007	Lacamas Cr.	0.087(J)	0.487(J)	ND	ND	0.273(J)	ND	ND	ND	0.601(J)	ND	ND	ND	2.37(J)	< 1.0
15LCMW03SW	6/22/2007	Lacamas Cr.	0.205(J)	0.499(J)	ND	ND	0.356(J)	ND	ND	ND	0.781(J)	ND	ND	ND	ND	< 1.0
15LCMW03DW	6/22/2007	Lacamas Cr.	ND	0.745(J)	ND	ND	0.596(J)	ND	ND	ND	1.60	ND	ND	ND	ND	< 1.0
15LCMW04SW	6/22/2007	Lacamas Cr.	ND	0.110(J)	ND	ND	0.585(J)	ND	ND	ND	.0846(J)	ND	ND	ND	2.11(J)	< 1.0
15LCMW04DW	6/22/2007	Lacamas Cr.	ND	1.16	ND	ND	0.481(J)	ND	ND	ND	1.07	ND	ND	ND	2.89	< 1.0
MS/MSD (field duplicate of 15LCMW01DW)	6/21/2007	Landfill 4	ND	0.382(J)	ND	ND	0.756(J)	ND	ND	ND	1.33	ND	ND	ND	1.99(J)	< 1.0
15LCMW415W (field duplicate of 15LCMW03DW)	6/22/2007	Lacamas Cr.	ND	0.787(J)	ND	ND	0.349(J)	ND	ND	ND	1.41	ND	ND	ND	ND	ND
RPD for duplicate 15LCMW03DW				5%			52%				13%					
15LCMW420W (field equipment rinsate)	6/20/2007	Lacamas Cr.	ND	ND	ND	0.388(J)	0.835(J)	ND	ND	ND	1.13	ND	ND	ND	ND	< 1.0
15LCMW430W (metals blank; deionized water)	6/20/2007		ND	ND	ND	0.609(J)	0.585(J)	ND	ND	ND	0.138(J)	ND	ND	ND	1.85(J)	nt
Lab detection limit			0.08	0.03	0.02	0.02	0.04	0.08	0.002	0.013	0.04	0.01	0.02	0.01	0.02	1.0
WA MTCA Method A Cleanup Levels (µg/L)			n/a	5	n/a	5	50	n/a	15	2	n/a	n/a	n/a	n/a	n/a	n/a
WA MTCA Method B Levels (µg/L)			1.4 - 8		0.02			592		4,800	320	80	80	1.1	4,800	

BOLD print indicates concentration exceeding WA MTCA Method A Cleanup Level

Only detected analytes are shown; see laboratory reports for complete listing of compounds tested

nt - Sample not tested

ug/L - micrograms per liter

J or E = value estimated

ND - Not detected to the limit of laboratory detection indicated

n/a - Not applicable. MTCA Method A Cleanup Level not provided.

RPD = relative percent difference between sample versus duplicate

WA MTCA Method B Levels from "Multi-Sites Investigation Report", Shannon & Wilson, 1999.

DRAFT

**TABLE 6. VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS
2nd QUARTER 2007
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Sample No.	Sample Date	Sample Location	VOCs (µg/l)										SVOCs (µg/l)	
			Acetone	2-Butanone	Chloroform	1,1-Dichloroethane	1,1-Dichloroethene	Dichlorodifluoromethane	Methylene Chloride	1,1,1-Trichloroethane	Tetrachloroethene	1,1,2,2-Tetrachloroethane	Benzoic Acid	bis(2-Ethylhexyl)phthalate
15L4MW02BW	6/19/2007	Landfill 4	3.2(J)	2.0(J)	ND	33	17	80	ND	51	0.65(J)	0.51(J)	nt	nt
15LCMW420W (field equipment rinsate)	6/20/2007	Lacamas Cr.	2.4(J)	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
15LCMW430W (metals blank; deionized water)	6/20/2007		nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
15L4MW425W (field duplicate of 15L4MW02BW)	6/19/2007	Landfill 4	3.1(J)	1.8(J)	ND	32	15	69	ND	50	0.64(J)	0.52(J)	nt	nt
RPD for duplicate 15L4MW02BW			3%	11%		3%	13%	15%		2%	2%	2%		
Trip Blank 3	6/20/2007	Lacamas Cr.	0.79(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	nt	nt
Trip Blank 4	6/21/2007	Lacamas Cr.	1.1(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	nt	nt
Trip Blank 5	6/22/2007	Lacamas Cr.	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	nt	nt
Lab detection limit			5.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.3	1.7
WA MTCA Method A Cleanup Levels (µg/L)			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Note:

Only analytes detected in at least one sample are shown; see lab reports for complete listing of compounds tested.

nt - Sample not tested

ND - Not detected to the limit of laboratory detection indicated

µg/L - micrograms per liter

J = value estimated

B = also detected in the method blank associated with the sample

n/a - Not applicable. MTCA Method A Cleanup Level not provided.

RPD = relative percent difference between sample versus duplicate

**TABLE 7
FIELD PARAMETERS FOR GROUNDWATER SAMPLES - 2nd QUARTER 2007
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Field Parameters at Time of Sampling												
Sample No.	Date	Time	Depth to Water in Feet*	Water Elevation in Feet amsl **	Temp. (degrees C)	Conductivity (µS/cm)	Oxidation Reduction Potential (millivolts)	Turbidity (NTUs)	pH	Dissolved Oxygen (mg/L)	Color and Cloudiness	Notes
15LCMW01SW	6/21/2007	1100	5.85	284.31	12.0	91	129.9	1.02	6.44	6.99	clear	
15LCMW01DW	6/21/2007	1245	5.21	285.04	13.1	98	93.1	2.33	6.47	7.36	clear	collected MS/MSD duplicate
15LCMW02SW	6/21/2007	1500	6.82	284.37	13.2	92	129.5	0.93	5.84	8.62	clear	
15LCMW02DW	6/21/2007	1650	6.60	284.99	12.7	97	133.5	1.74	6.94	7.36	clear	
15LCMW03SW	6/22/2007	1255	6.46	284.45	11.3	91	135.3	0.63	6.28	8.19	clear	
15LCMW03DW	6/22/2007	1045	6.34	284.64	11.3	100	152.0	nr	6.27	7.19	clear	collected duplicate
15LCMW04SW	6/22/2007	1615	6.44	285.19	12.6	94	154.9	3.99	5.82	5.82	clear	
15LCMW04DW	6/22/2007	1500	5.96	285.83	11.9	110	111.6	0.93	6.51	6.99	clear	
15L4MW01AW	6/19/2006	1055	16.21	515.19	12.2	36	228.7	32	5.04	10.28	clear	
15L4MW01BW	6/19/2006	0950	13.42	516.18	10.4	26	205.7	4.72	5.18	7.89	clear	
15L4MW02AW	6/20/2007	1000	27.49	492.44	14.6	41	238.6	nr	4.86	7.89	clear	
15L4MW02BW	6/19/2006	1630	31.22	487.24	15.0	69	-25.6	nr	5.6	2.08	clear	collected duplicate
15L4MW03AW	6/20/2007	1120	29.60	485.25	15.9	22	210.7	8.47	4.93	6.57	clear	
15L4MW03BW	6/20/2007	1350	26.80	484.67	14.6	49	136.3	nr	5.51	5.91	clear	
15L4MW04AW	6/19/2006	1215	27.32	484.47	14.8	18	199.0	6.15	5.19	7.99	clear	
15L4MW05AW	6/20/2007	1515	23.88	486.03	13.2	28	216.2	4.67	5.11	6.80	clear	
15L4MW07BW	6/18/2007	1600	39.91	440.51	12.1	34	191.0	10.89	5.29	9.36	clear	
15L4MW17W	6/18/2007	1355	10.69	350.79	14.0	232	-36.4	11.81	7.11	6.09	clear	
15L4MW18W	6/18/2007	1450	11.78	351.06	12.6	130	90.7	46.7	6.20	11.10	clear	

Notes: * = depth in feet measured from top of well PVC casing.
 ** = water level in feet above mean sea level, relative to top of casing elevation survey (see elevations, Table 8)
 nr = value not recorded
 Field parameters of temperature, conductivity, oxidation-reduction potential, dissolved oxygen, and pH measured with a YSI Model 556 meter.

**TABLE 8
WELL NUMBER AND CONSTRUCTION DETAILS
CAMP BONNEVILLE, VANCOUVER, WASHINGTON**

Well Number in PBS Work Contract	WADOE Well Tag Number	Well Location	Total Depth (ft)*	Screened Interval (ft)**	Top of PVC Casing Elevation (feet above mean sea level)	Well Number on Steel Casings/Caps (CHPPM No.)
LC-MW01S	AHA-359	Lacamas Cr.	22.73	15-20	290.16	LC-MW01S
LC-MW06D	AHA-358	Lacamas Cr.	42.20	30-40	290.25	LC-MW01D
LC-MW02S	AHA-364	Lacamas Cr.	17.50	12.5-17.5	291.19	LC-MW02S
LC-MW07D	AHA-357	Lacamas Cr.	37.85	25-35	291.59	LC-MW02D
LC-MW03S	AHA-363	Lacamas Cr.	20.10	13-18	290.91	LC-MW03S
LC-MW08D	AHA-362	Lacamas Cr.	39.40	27-37	290.98	LC-MW03D
LC-MW04S	AHA-375	Lacamas Cr.	16.54	7-17	291.63	LC-MW04S
LC-MW09D	AHA-361	Lacamas Cr.	37.00	25-35	291.79	LC-MW04D
L4-MW01A	N/A	Landfill 4	30.40	N/A	531.40	L4-MW01A
L4-MW01B	AGL-482	Landfill 4	55.40	43-53	529.57	L4-MW01B
L4-MW02A	N/A	Landfill 4	40.20	N/A	519.93	L4-MW02A
L4-MW02B	AGL-483	Landfill 4	74.60	62-72	518.46	L4-MW02B
L4-MW03A	AGL-466	Landfill 4	48.90	41-46	514.85	L4-MW03A
L4-MW03B	AGL-484	Landfill 4	62.90	49-59	511.47	L4-MW03B
L4-MW04A	AGL-465	Landfill 4	43.40	33-43	511.79	L4-MW04A
L4-MW05A	AGL-467	Landfill 4	36.60	30-35	509.91	L4-MW05A
L4-MW07B	N/A	Landfill 4	58.60	46-56	480.42	L4-MW07B
L4-MW17	ALB-252	Landfill 4	15.00	5-15	361.48	L4-MW17
L4-MW18	ALB-251	Landfill 4	20.00	10-20	362.84	L4-MW18

Notes:

* = depth in feet measured from top of well PVC casing

** = screened interval reported on well completion logs

N/A = not available