TABLE 1a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Moisture (%)	Monocyclic Aromatic Hydrocarbons: Benzene (µg/g)	Ethyl-benzene (µg/g)	Toluene (µg/g)	Xylenes (µg/g)	Gross Parameters: VPH (C6-C10) (µg/g)	EPH (C10-C19) (µg/g)	LEPH (C10-C19) (µg/g)	EPH (C19-C32) (µg/g)	HEPH (C19-C32) (µg/g)	F1-BTEX (µg/g)	F2 (>C10-C16) (µg/g)	F3 (>C16-C34) (µg/g)	F4 (>C34-C50) (µg/g)	Methyl ter-butyl ether (µg/g)	Polycyclic Aromatic Hydrocarbons: Naphthalene (µg/g)	2-Methylnaphthalene (µg/g)	Acenaphthylene (µg/g)	Acenaphthene (µg/g)	Fluorene (µg/g)	Phenanthrene (µg/g)	Anthracene (µg/g)	Fluoranthene (µg/g)	Pyrene (µg/g)	Benzo(a)anthracene (µg/g)	Chrysene (µg/g)	Benzo(b)fluoranthene (µg/g)	Benzo(b+j)fluoranthene (µg/g)	Benzo(k)fluoranthene (µg/g)	Benzo(a)pyrene (µg/g)	Indeno(1,2,3-cd)pyrene (µg/g)	Dibenz(a,h)anthracene (µg/g)	Benzo(g,h,i)perylene (µg/g)
BC Standards																																				
CSR Wildlands (WL)[a,b]			n/a	0.04	1	1.5	5	200	1,000	1,000	1,000	1,000	n/a	n/a	n/a	n/a	320	5	n/a	n/a	n/a	n/a	5	n/a	n/a	0.1	0.1	n/a	0.1	0.1	0.1	0.1	0.1	0.1	n/a
Lemon Creek - Spill Area - Forest Service Road	SS13-01-130728	2013 07 28	15	< 0.005	**1.2**	0.31	**9.2**	130	**2,590**	**2,590**	< 100	< 100	-	-	-	-	< 0.1	2.2	4.7	< 0.06	< 0.05	0.19	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	SS13-02-130728	2013 07 28	14	< 0.005	0.016	< 0.02	0.11	< 10	< 100	< 100	< 100	< 100	-	-	-	-	< 0.1	0.063	0.16	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	SS13-03-130728	2013 07 28	9.9	< 0.005	**3.7**	0.64	**30**	**710**	**10,700**	**10,700**	< 100	< 100	-	-	-	-	< 0.1	**6.5**	19	< 0.22	< 0.18	0.75	0.13	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	SS13-4-130730	2013 07 30	7.47	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-5-130730	2013 07 30	6.46	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-7-130730	2013 07 30	13.2	< 0.04	**2.19**	0.402	**15.8**	-	**13,100**	**13,100**	< 200	< 200	-	-	-	-	< 0.2	**11.1**	26.5	< 0.4	< 0.75	0.884	0.182	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-9-130730	2013 07 30	3.67	< 0.005	**2.44**	0.478	**21.4**	**460**	**9,900**	**9,900**	< 200	< 200	-	-	-	-	< 0.2	**6.98**	17.8	< 0.25	< 0.5	0.684	0.148	< 0.015	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-DUPA-130730	2013 07 30	4.05	< 0.04	**3.78**	0.874	**24**	-	**13,500**	**13,400**	< 200	< 200	-	-	-	-	< 0.2	**7.72**	21.2	< 0.2	< 1	1.09	0.187	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-11-130730	2013 07 30	3.47	< 0.04	**2.32**	0.242	**18.5**	-	**11,500**	**11,500**	< 200	< 200	-	-	-	-	< 0.2	**7.61**	21.1	< 0.3	< 0.45	0.747	0.155	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-13-130730	2013 07 30	4.14	< 0.04	**1.17**	0.185	**8.66**	-	**8,050**	**8,040**	< 200	< 200	-	-	-	-	< 0.2	**5.51**	14.8	< 0.2	< 0.3	0.611	0.129	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-14-130730	2013 07 30	5.91	< 0.04	**3.18**	0.782	**23.3**	-	**11,500**	**11,500**	< 200	< 200	-	-	-	-	< 0.2	**9.56**	26	< 0.25	< 0.3	0.822	0.173	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-15-130730	2013 07 30	5.63	< 0.005	**3.1**	0.789	**25.9**	**500**	**7,970**	**7,960**	< 200	< 200	-	-	-	-	< 0.2	**6.12**	16.1	< 0.2	< 0.15	0.522	0.11	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-16-130730	2013 07 30	6.02	< 0.005	**1.19**	0.219	**8.22**	**280**	**3,230**	**3,220**	< 200	< 200	-	-	-	-	< 0.2	2.03	6.01	< 0.08	< 0.15	0.287	0.055	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-17-130730	2013 07 30	4.53	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	0.12	< 0.007	< 0.01	0.035	0.011	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-18-130730	2013 07 30	8.76	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	480	480	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-19-130730	2013 07 30	14.9	< 0.04	**3.28**	0.474	**26.2**	**1,030**	**5,160**	**5,150**	< 200	< 200	-	-	-	-	< 0.2	4.59	10.4	< 0.09	< 0.2	0.379	0.069	< 0.015	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-20-130730	2013 07 30	5.69	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.01	0.016	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-21-130730	2013 07 30	8.92	< 0.04	0.248	< 0.05	2.33	**260**	**4,650**	**4,650**	< 200	< 200	-	-	-	-	< 0.2	3.11	8.42	< 0.07	< 0.15	0.317	0.059	< 0.008	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SS13-22-130730	2013 07 30	28.7	< 0.04	0.464	< 0.05	3.8	**640**	**9,880**	**9,880**	240	240	-	-	-	-	< 0.2	**6.92**	19.7	< 0.25	< 0.45	0.715	0.162	< 0.015	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.007	< 0.01
	SS13-23-130730	2013 07 30	3.42	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	0.015	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Lemon Creek - Spill Area - Forest Service Road - Remedial Excavation	EXC13-1-130730	2013 07 30	5.44	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-2-130730	2013 07 30	12.3	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-6-130730	2013 07 30	4.97	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.021	0.044	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-8-130730	2013 07 30	7.03	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.016	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-10-130730	2013 07 30	4.69	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-12-130730	2013 07 30	4.64	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.018	0.031	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-14-130731	2013 07 31	1.94	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-16-130731	2013 07 31	2.46	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-18-130731	2013 07 31	3.34	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.016	0.032	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-20-130731	2013 07 31	3.46	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-22-130731	2013 07 31	8.55	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-25-130731	2013 07 31	6.93	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-26-130731	2013 07 31	1.85	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.022	0.045	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-27-130731	2013 07 31	6.03	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-28-130731	2013 07 31	3.24	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-29-130731	2013 07 31	1.97	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	0.021	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-30-130731	2013 07 31	2.42	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

BOLD Concentration greater than CSR Wildlands (WL) standard.

[a] The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, groundwater flow to surface water used by freshwater aquatic life, and gw used for livestock watering (whichever is most stringent).
[b] For Wildlands, PL applies from 0 m to 3 m depth, and for > 3 m, CL applies as defined in the CSR. Note that soil impacts did not extend greater than 1 m depth below ground surface.

TABLE 1a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Moisture (%)	Monocyclic Aromatic Hydrocarbons: Benzene (µg/g)	Ethyl-benzene (µg/g)	Toluene (µg/g)	Xylenes (µg/g)	Gross Parameters: VPH (C6-C10) (µg/g)	EPH (C10-C19) (µg/g)	LEPH (C10-C19) (µg/g)	EPH (C19-C32) (µg/g)	HEPH (C19-C32) (µg/g)	F1-BTEX (µg/g)	F2 (>C10-C16) (µg/g)	F3 (>C16-C34) (µg/g)	F4 (>C34-C50) (µg/g)	Methyl ter-butyl ether (µg/g)	Polycyclic Aromatic Hydrocarbons: Naphthalene (µg/g)	2-Methylnaphthalene (µg/g)	Acenaphthylene (µg/g)	Acenaphthene (µg/g)	Fluorene (µg/g)	Phenanthrene (µg/g)	Anthracene (µg/g)	Fluoranthene (µg/g)	Pyrene (µg/g)	Benzo(a)anthracene (µg/g)	Chrysene (µg/g)	Benzo(b)fluoranthene (µg/g)	Benzo(b+j)fluoranthene (µg/g)	Benzo(k)fluoranthene (µg/g)	Benzo(a)pyrene (µg/g)	Indeno(1,2,3-cd)pyrene (µg/g)	Dibenz(a,h)anthracene (µg/g)	Benzo(g,h,i)perylene (µg/g)
BC Standards																																			
CSR Wildlands (WL)[a,b]			n/a	0.04	1	1.5	5	200	1,000	1,000	1,000	1,000	n/a	n/a	n/a	n/a	320	5	n/a	n/a	n/a	n/a	5	n/a	n/a	0.1	0.1	n/a	0.1	0.1	0.1	0.1	0.1	0.1	n/a
Lemon Creek - Spill Area - Forest Service Road - Remedial Excavation	EXC13-31-130731	2013 07 31	2.4	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	0.017	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-32-130731	2013 07 31	5.67	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	0.016	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-34-130731	2013 07 31	5.99	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.024	0.057	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-35-130731	2013 07 31	8.78	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-36-130731	2013 07 31	11.8	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.014	0.039	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	0.011	0.013	< 0.01	< 0.01	0.012	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-37-130731	2013 07 31	11.8	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-40-130731	2013 07 31	13.8	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-41-130731	2013 07 31	3.87	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-4-130730	2013 07 30	8.68	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	-	< 200	-	-	-	-	-	< 0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EXC13-42-130731	2013 07 31	12.9	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-43-130731	2013 07 31	5.62	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	0.043	0.043	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-44-130731	2013 07 31	4.39	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-45-130731	2013 07 31	4.86	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-46-130731	2013 07 31	11.9	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-47-130731	2013 07 31	3.22	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	0.01	0.011	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-48-130731	2013 07 31	6.4	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-49-130731	2013 07 31	6.37	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-50-130731	2013 07 31	4.14	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-51-130731	2013 07 31	6.77	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 30	< 50	< 50	< 0.2	0.01	0.02	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-52-130731	2013 07 31	5.44	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	59	< 50	< 50	< 0.2	0.08	0.128	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-53-130731	2013 07 31	3.71	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	148	< 50	< 50	< 0.2	0.163	0.395	< 0.008	< 0.02	0.018	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-54-130731	2013 07 31	5.15	< 0.04	< 0.05	< 0.05	0.246	< 100	280	280	< 200	< 200	< 10	183	< 50	< 50	< 0.2	0.158	0.475	< 0.006	< 0.03	0.034	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-55-130731	2013 07 31	2.93	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-DUPB-130730	2013 07 30	5.33	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-		< 0.2	< 0.01	0.012	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-DUPC-130731	2013 07 31	3.33	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-		< 0.2	0.021	0.083	< 0.005	< 0.006	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	EXC13-DUPD-130731	2013 07 31	3.6	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-		< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Backfill Sample	BF13-2-130731	2013 07 31	2.69	< 0.04	< 0.05	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	-	-	-		< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.015	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

BOLD Concentration greater than CSR Wildlands (WL) standard.

[a] The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, groundwater flow to surface water used by freshwater aquatic life, and gw used for livestock watering (whichever is most stringent).

[b] For Wildlands, PL applies from 0 m to 3 m depth, and for > 3 m, CL applies as defined in the CSR. Note that soil impacts did not extend greater than 1 m depth below ground surface.

TABLE 1b: Summary of VOC and Glycol Analytical Results for Lemon Creek - Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	VOCs																																	Glycols		
			Bromodichloromethane (µg/g)	Bromoform (µg/g)	Bromomethane (µg/g)	Carbon tetrachloride (µg/g)	Chlorobenzene (µg/g)	Chloroethane (µg/g)	Chloroform (µg/g)	Chloromethane (µg/g)	Dibromochloromethane (µg/g)	1,2-Dichlorobenzene (µg/g)	1,3-Dichlorobenzene (µg/g)	1,4-Dichlorobenzene (µg/g)	1,1-Dichloroethane (µg/g)	1,2-Dichloroethane (µg/g)	1,1-Dichloroethylene (µg/g)	cis-1,2-Dichloroethylene (µg/g)	trans-1,2-Dichloroethylene (µg/g)	Dichloromethane (µg/g)	1,2-Dichloropropane (µg/g)	cis-1,3-Dichloropropene (µg/g)	trans-1,3-Dichloropropene (µg/g)	1,1,1,2-Tetrachloroethane (µg/g)	1,1,2,2-Tetrachloroethane (µg/g)	Tetrachloroethylene (µg/g)	1,1,1-Trichloroethane (µg/g)	1,1,2-Trichloroethane (µg/g)	Trichloroethylene (µg/g)	Trichlorofluoromethane (µg/g)	1,2,4-trimethylbenzene (µg/g)	1,3,5-trimethylbenzene (µg/g)	Vinyl chloride (µg/g)	Propylene glycol (µg/g)	Ethylene glycol (µg/g)	Diethylene glycol (µg/g)
BC Standards																																						
CSR Wildlands (WL)[a,b]			8.2	620	3.9	5	1	30	5	47	11	1	1	1	5	5	5	5	5	5	0.1	0.025	5	0.05	0.05	32	4.1	5	5	5	0.015	390	n/a	n/a	0.79	30,000	1,500	n/a
Lemon Creek - Spill Area - Forest Service Road	SS13-01-130728	2013 07 28	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	19	4.8	< 0.06	-	-	-
	SS13-02-130728	2013 07 28	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	0.51	< 0.2	< 0.06	-	-	-
	SS13-03-130728	2013 07 28	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	50	21	< 0.06	-	-	-
	SS13-9-130730	2013 07 30	< 0.05	< 0.05	-	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.3	< 0.05	< 0.2	< 0.05	< 0.05	< 0.7	< 0.05	< 0.05	< 2.1	< 0.01	< 0.1	-	-	< 0.1	< 10	< 10	< 10
	SS13-15-130730	2013 07 30	< 0.05	< 0.05	-	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.3	< 0.05	< 0.15	< 0.05	< 0.05	< 0.8	< 0.05	< 0.05	< 2.5	< 0.01	< 0.1	-	-	< 0.1	< 10	< 10	< 10
	SS13-16-130730	2013 07 30	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.3	< 0.05	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 1.1	< 0.01	< 0.1	-	-	< 0.1	< 10	< 10	< 10

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

BOLD Concentration greater than CSR Wildlands (WL) standard.

[a] The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, groundwater flow to surface water used by freshwater aquatic life, and gw used for livestock watering (whichever is most stringent).

[b] For Wildlands, PL applies from 0 m to 3 m depth, and for > 3 m, CL applies as defined in the CSR. Note that soil impacts did not extend greater than 1 m depth below ground surface.

TABLE 2a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																				
			Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	VHw6-10 (µg/L)	VPHw (C6-C10) (µg/L)	EPHw10-19 (µg/L)	LEPHw (C10-C19) (µg/L)	EPHw19-32 (µg/L)	HEPHw (C19-C32) (µg/L)	Methyl ter-butyl ether (µg/L)	F1-BTEX (µg/L)	F1 (C6-C10) (µg/L)	F2 (>C10-C16) (µg/L)	F3 (>C16-C34) (µg/L)	F4 (>C34-C50) (µg/L)	Naphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthylene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Acridine (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Chrysene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(b+j)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Benzo(a)pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Quinoline (µg/L)
BC Standards																																						
CSR Irrigation (IW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	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	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
CSR Livestock (LW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			5	2.4	24	300	15,000	n/a	5,000	n/a	n/a	n/a	15	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
BCWQG Livestock (LW)[b,c]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			5	2.4	24	300	n/a	n/a	n/a	n/a	n/a	n/a	20	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
Slocan River North of confluence of Lemon Creek	SW13-012-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-12-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-12-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-12-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-12-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-12-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-RR-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-TT-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-VV-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lemon Creek and Confluence of Slocan River	SW13-01-130728	2013 07 28	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	-	-	-	< 0.1	0.13	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-01-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	2,000	2,000	< 250	< 250	< 0.5	-	< 100	1,820	< 300	< 300	0.669	-	< 0.06	< 0.2	0.224	0.055	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.2
	SW13-1-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-B-130731	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-1-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-1-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-03-130728	2013 07 28	< 0.4	4.4	< 0.4	41	1,000	960	21,000	21,000	< 200	< 200	< 4	-	-	-	-	-	12	44	< 0.16	0.56	2	0.34	< 0.03	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 1.7
	SW13-03-130729	2013 07 29	< 0.4	< 0.4	< 0.4	1.4	< 300	< 300	240	240	< 200	< 200	< 4	-	-	-	-	-	0.67	2	< 0.06	< 0.05	0.12	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05		< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-03-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	0.111	-	< 0.01	< 0.01	0.011	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-3-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	0.147	-	< 0.01	< 0.02	0.015	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02
	SW13-3-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	0.092	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-3-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	0.092	-	< 0.01	< 0.01	0.011	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-05-130729	2013 07 29	< 0.4	< 0.4	< 0.4	1.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	-	-	-	-	-	0.44	0.73	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05		< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-05-130730	2013 07 30	< 0.5	< 0.5	< 0.5	0.78	< 100	< 100	1,180	1,180	< 250	< 250	< 0.5	-	< 100	1,080	< 300	< 300	0.522	-	< 0.04	< 0.2	0.116	0.034	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.08
	SW13-5-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	1,390	1,380	< 250	< 250	< 0.5	-	< 100	1,450	< 300	< 300	1.2	-	< 0.1	< 0.2	0.14	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.2
	SW13-5-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	0.259	-	< 0.01	< 0.03	0.024	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03
	SW13-5-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	0.123	-	< 0.01	< 0.01	0.011	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02
	SW13-013-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-13-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-C-130731	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-13-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01
	SW13-13-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-13-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-13-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-23-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	0.105	-	< 0.01	< 0.02	0.012	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-300-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-300-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-406-01-130806	2013 08 06	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	0.123	-	< 0.01	< 0.1	0.017	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
	SW13-406-02-130806	2013 08 06	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	0.106	-	< 0.01	< 0.1	0.014	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than Irrigation (IW) standard.

SHADOW Concentration greater than Livestock (LW) standard.

SHADED Concentration greater than Drinking Water (DW) standard.

[a] Laboratory detection limit exceeds regulatory standard/guideline.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2012.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

TABLE 2a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																				
			Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	VHw6-10 (µg/L)	VPHw (C6-C10) (µg/L)	EPHw10-19 (µg/L)	LEPHw (C10-C19) (µg/L)	EPHw19-32 (µg/L)	HEPHw (C19-C32) (µg/L)	Methyl ter-butyl ether (µg/L)	F1-BTEX (µg/L)	F1 (C6-C10) (µg/L)	F2 (>C10-C16) (µg/L)	F3 (>C16-C34) (µg/L)	F4 (>C34-C50) (µg/L)	Naphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthylene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Acridine (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Chrysene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(b+j)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Benzo(a)pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Quinoline (µg/L)
BC Standards																																						
CSR Irrigation (IW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	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	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
CSR Livestock (LW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			5	2.4	24	300	15,000	n/a	5,000	n/a	n/a	n/a	15	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
BCWQG Livestock (LW)[b,c]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			5	2.4	24	300	n/a	n/a	n/a	n/a	n/a	n/a	20	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
Slocan River South of Lemon Creek and North of Winlaw	SW13-02-130728	2013 07 28	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	-	-	-	-	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-02-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-2-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-02-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-2-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-2-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-2-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-2-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-2-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-2-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-04-130728	2013 07 28	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	320,000	320,000	< 2,000	< 2,000	< 4	-	-	330,000	23,000	< 3,000	< 4.9	74	< 3.3	1.6	8.8	2.1	< 0.21	< 0.1	0.062	0.067	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 2.5
	SW13-04-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	72,000	72,000	800	800	< 4	< 300	< 300	67,000	6,300	< 3,000	< 3.4	33	< 4.4	< 1.1	6.1	1.7	< 0.17	< 0.05	0.056	0.057	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 8.3[a]
	SW13-04-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.06	0.042	0.03	< 0.01	< 0.01	0.013	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02
	SW13-4-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-4-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	2,430	2,430	< 250	< 250	< 0.5	< 100	< 100	2,320	710	< 300	< 0.06	-	< 0.05	< 0.3	< 0.3	0.136	< 0.031	< 0.2	0.119	0.053	0.011	< 0.03	0.041	-	0.013	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.09
	SW13-4-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-4-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	0.011	< 0.01	< 0.01	< 0.01
	SW13-4-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-06-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	< 200	< 200	< 3,000	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-07-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	< 200	< 200	< 3,000	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-07-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.018	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-7-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-7-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-7-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-F-130802	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-7-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-7-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-J-130804	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-22-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.03	< 0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02
	SW13-22-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-500-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-500-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-501-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-501-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than Irrigation (IW) standard.

SHADOW Concentration greater than Livestock (LW) standard.

SHADED Concentration greater than Drinking Water (DW) standard.

[a] Laboratory detection limit exceeds regulatory standard/guideline.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2012.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

TABLE 2a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																				
			Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	VHw6-10 (µg/L)	VPHw (C6-C10) (µg/L)	EPHw10-19 (µg/L)	LEPHw (C10-C19) (µg/L)	EPHw19-32 (µg/L)	HEPHw (C19-C32) (µg/L)	Methyl ter-butyl ether (µg/L)	F1-BTEX (µg/L)	F1 (C6-C10) (µg/L)	F2 (>C10-C16) (µg/L)	F3 (>C16-C34) (µg/L)	F4 (>C34-C50) (µg/L)	Naphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthylene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Acridine (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Chrysene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(b+j)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Benzo(a)pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Quinoline (µg/L)
BC Standards																																						
CSR Irrigation (IW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	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	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
CSR Livestock (LW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			5	2.4	24	300	15,000	n/a	5,000	n/a	n/a	n/a	15	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
BCWQG Livestock (LW)[b,c]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			5	2.4	24	300	n/a	n/a	n/a	n/a	n/a	n/a	20	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
Slocan River South of Lemon Creek and North of Winlaw	SW13-502-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-502-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-503-01-130806	2013 08 06	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-503-02-130806	2013 08 06	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-505-01-130806	2013 08 06	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-505-02-130806	2013 08 06	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-600-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-600-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-601-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-601-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-A-130729	2013 07 29	< 0.4	< 0.4	< 0.4	0.91	< 300	< 300	370	370	< 200	< 200	< 4	-	-	-	-	-	0.35	0.63	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-AA-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	360	360	< 250	< 250	< 0.5	< 100	< 100	410	< 300	< 300	< 0.05	-	< 0.01	< 0.1	< 0.1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
	SW13-AA-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-L-130805	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-AA-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-M-130805	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-BB-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.1	0.017	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
	SW13-CC-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-CC-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-CC-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-DD-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-EE-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-FF-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-GG-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	2,930	2,930	< 250	< 250	< 0.5	< 100	< 100	1,740	1,340	< 300	< 0.05	-	< 0.03	< 0.2	< 0.25	< 0.1	< 0.04	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03
	SW13-HH-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-II-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	1,450	1,450	< 250	< 250	< 0.5	< 100	< 100	1,260	< 300	< 300	< 0.05	-	< 0.03	< 0.2	< 0.15	0.05	< 0.01	< 0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.05
	SW13-DUPA-130802	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	2,950	2,950	< 250	< 250	< 0.5	< 100	< 100	2,560	560	-	< 0.05	-	< 0.1	< 0.3	< 0.3	0.079	< 0.1	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
	SW13-JJ-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	3,140	3,140	< 250	< 250	< 0.5	< 100	< 100	2,740	540	< 300	< 0.1	-	< 0.1	< 0.3	< 0.3	0.07	< 0.1	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
	SW13-JJ-130808	2013 08 08	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	330	330	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.02	0.021	< 0.02	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02
	SW13-N-130808	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-KK-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-DUPB-130802	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-LL-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	1,720	1,720	< 250	< 250	< 0.5	< 100	< 100	1,390	390	< 300	< 0.05	-	< 0.1	< 0.2	< 0.2	0.067	< 0.1	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
	SW13-LL-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-LL-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-LL-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-MM-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-NN-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-OO-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-QQ-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-WW-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	320	320	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.03	0.033	< 0.02	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02
	SW13-DUPA-130804	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than Irrigation (IW) standard.

SHADOW Concentration greater than Livestock (LW) standard.

SHADED Concentration greater than Drinking Water (DW) standard.

[a] Laboratory detection limit exceeds regulatory standard/guideline.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2012.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

TABLE 2a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																				
			Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	VHw6-10 (µg/L)	VPHw (C6-C10) (µg/L)	EPHw10-19 (µg/L)	LEPHw (C10-C19) (µg/L)	EPHw19-32 (µg/L)	HEPHw (C19-C32) (µg/L)	Methyl ter-butyl ether (µg/L)	F1-BTEX (µg/L)	F1 (C6-C10) (µg/L)	F2 (>C10-C16) (µg/L)	F3 (>C16-C34) (µg/L)	F4 (>C34-C50) (µg/L)	Naphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthylene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Acridine (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Chrysene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(b+j)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Benzo(a)pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Quinoline (µg/L)
BC Standards																																						
CSR Irrigation (IW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	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	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
CSR Livestock (LW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			5	2.4	24	300	15,000	n/a	5,000	n/a	n/a	n/a	15	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
BCWQG Livestock (LW)[b,c]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			5	2.4	24	300	n/a	n/a	n/a	n/a	n/a	n/a	20	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
Slocan River South of Lemon Creek and North of Winlaw	SW13-XX-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-YY-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-Z-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	-	-	-	-	< 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slocan River south of Winlaw	SW13-08-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	< 200	< 200	< 3,000	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-08-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-8-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-8-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-8-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-8-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-8-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-09-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	< 200	< 200	< 3,000	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-09-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-9-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-9-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-9-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-9-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-9-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-10-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	< 200	< 200	< 3,000	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-010-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-10-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-10-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-10-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-10-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-10-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-11-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	< 200	< 200	< 3,000	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.5
	SW13-011-130730	2013 07 30	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-11-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-11-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-11-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-11-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-11-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-PC-2-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-PC-1-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than Irrigation (IW) standard.

SHADOW Concentration greater than Livestock (LW) standard.

SHADED Concentration greater than Drinking Water (DW) standard.

[a] Laboratory detection limit exceeds regulatory standard/guideline.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2012.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.
[d] Sample was collected from the boom located at Winlaw Bridge and is not representative of surface water quality'

TABLE 2a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																				
			Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	VHw6-10 (µg/L)	VPHw (C6-C10) (µg/L)	EPHw10-19 (µg/L)	LEPHw (C10-C19) (µg/L)	EPHw19-32 (µg/L)	HEPHw (C19-C32) (µg/L)	Methyl ter-butyl ether (µg/L)	F1-BTEX (µg/L)	F1 (C6-C10) (µg/L)	F2 (>C10-C16) (µg/L)	F3 (>C16-C34) (µg/L)	F4 (>C34-C50) (µg/L)	Naphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthylene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Acridine (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Chrysene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(b+j)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Benzo(a)pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Quinoline (µg/L)
BC Standards																																						
CSR Irrigation (IW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	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	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
CSR Livestock (LW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			5	2.4	24	300	15,000	n/a	5,000	n/a	n/a	n/a	15	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
BCWQG Livestock (LW)[b,c]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			5	2.4	24	300	n/a	n/a	n/a	n/a	n/a	n/a	20	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
Kootenay River	SW13-14-130731	2013 07 31	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-A-130731	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	-	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	0.014	0.262	< 0.1	0.094	1.09	0.612	0.024	0.256	0.157	-	0.036	< 0.01	0.012	< 0.01	< 0.01	0.111
	SW13-14-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	0.012	0.026	0.046	0.602	< 0.05	0.161	1.58	0.889	< 0.03	0.506	0.281	-	0.066	< 0.01	0.017	< 0.01	< 0.01	0.624
	SW13-14-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-G-130802	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-14-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-14-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	0.026	0.026	0.065	1.1	0.195	0.177	2.37	1.72	0.555	0.636	0.461	-	0.16	0.166	0.061	0.014	0.047	0.084
	SW13-15-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	0.012	< 0.01
	SW13-D-130801	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-15-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-15-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-15-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-16-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-16-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-16-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-16-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-17-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	0.029	< 0.01
	SW13-E-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-17-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-17-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-17-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-18-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	260	260	< 0.5	< 100	< 100	< 300	530	340	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-18-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-18-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-18-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-19-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-19-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-19-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-19-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-PP-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-KR1-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-KR2-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-400-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-400-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-401-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-401-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-402-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-402-02-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Columbia River	SW13-20-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-20-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-I-130803	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-20-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-21-130802	2013 08 02	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-21-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-H-130803	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	280	280	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-21-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	SW13-K-130804	Duplicate	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than Irrigation (IW) standard.

SHADOW Concentration greater than Livestock (LW) standard.

SHADED Concentration greater than Drinking Water (DW) standard.

[a] Laboratory detection limit exceeds regulatory standard/guideline.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2012.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.
[d] Sample was collected from the boom located at Winlaw Bridge and is not representative of surface water quality'

TABLE 2a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																					
			Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	VHw6-10 (µg/L)	VPHw (C6-C10) (µg/L)	EPHw10-19 (µg/L)	LEPHw (C10-C19) (µg/L)	EPHw19-32 (µg/L)	HEPHw (C19-C32) (µg/L)	Methyl ter-butyl ether (µg/L)	F1-BTEX (µg/L)	F1 (C6-C10) (µg/L)	F2 (>C10-C16) (µg/L)	F3 (>C16-C34) (µg/L)	F4 (>C34-C50) (µg/L)	Naphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthylene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Acridine (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Chrysene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(b+j)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Benzo(a)pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Quinoline (µg/L)
BC Standards																																					
CSR Irrigation (IW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Livestock (LW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			5	2.4	24	300	15,000	n/a	5,000	n/a	n/a	n/a	15	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
BCWQG Livestock (LW)[b,c]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			5	2.4	24	300	n/a	n/a	n/a	n/a	n/a	n/a	20	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	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a
Winlaw Bridge Foam[d]	WB-01-20130806	2013 08 06	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	17,300	17,300	6,930	6,930	< 0.5	110	110	14,900	-	-	< 0.1	-	< 0.3	< 0.7	< 0.6	< 0.3	< 0.07	< 0.5	< 0.2	< 0.08	< 0.03	< 0.03	< 0.2	-	< 0.04	< 0.03[a]	< 0.05	< 0.02	< 0.06	< 0.3
Field Blank	FIELD BLANK	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	FIELD BLANK -130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Travel Blank	TB13-01-130803	2013 08 03	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	0.015	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	TRAVEL BLANK	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	-	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than Irrigation (IW) standard.

SHADOW Concentration greater than Livestock (LW) standard.

SHADED Concentration greater than Drinking Water (DW) standard.

[a] Laboratory detection limit exceeds regulatory standard/guideline.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2012.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.
[d] Sample was collected from the boom located at Winlaw Bridge and is not representative of surface water quality'

TABLE 2b: Summary of VOC Analytical Results for Lemon Creek - Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	VOCs																																
			Bromodichloromethane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon tetrachloride (µg/L)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloromethane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	cis-1,2-Dichloroethylene (µg/L)	trans-1,2-Dichloroethylene (µg/L)	Dichloromethane (µg/L)	1,2-Dichloropropane (µg/L)	cis-1,3-Dichloropropylene (µg/L)	trans-1,3-Dichloropropylene (µg/L)	1,3-dichloropropylene (cis+trans) (µg/L)	Methylene bromide (µg/L)	1,1,1,2-Tetrachloroethane (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	Tetrachloroethylene (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1,2-Trichloroethane (µg/L)	Trichloroethylene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Vinyl chloride (µg/L)
BC Standards																																			
CSR Irrigation (IW)			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	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	n/a	n/a	n/a
CSR Livestock (LW)			100	100	n/a	5	n/a	n/a	100	n/a	100	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	50	n/a	n/a	n/a
CSR Drinking Water (DW)			16	100	51	5	30	46	100	950	100	3	n/a	1	3,700	5	14	370	730	50	9.9	n/a	n/a	n/a	n/a	370	26	3.4	30	10,000	12	5	11,000	n/a	n/a	2
BCWQG Livestock (LW)[a,b]			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	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	n/a	n/a	n/a
BCWQG Drinking Water (DW)[a,b]			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	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	n/a	n/a	n/a
Slocan River North of confluence of Lemon Creek	SW13-12-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
Lemon Creek and Confluence of Slocan River	SW13-01-130728	2013 07 28	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 2	< 0.5	< 1	< 1	-	< 0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-1-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-B-130731	Duplicate	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-03-130728	2013 07 28	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 2	< 0.5	< 1	< 1	-	< 0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	180	42	< 0.5
	SW13-03-130803	2013 08 03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1	< 1	-
	SW13-3-130804	2013 08 04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1	< 1	-
	SW13-3-01-130805	2013 08 05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1	< 1	-
	SW13-3-02-130805	2013 08 05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1	< 1	-
	SW13-5-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-13-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-C-130731	Duplicate	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
Slocan River South of Lemon Creek and North of Winlaw	SW13-02-130728	2013 07 28	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 2	< 0.5	< 1	< 1	-	< 0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-2-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-04-130728	2013 07 28	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	< 0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-04-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-4-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-06-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-07-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-7-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
Slocan River south of Winlaw	SW13-08-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-8-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-09-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-9-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-10-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-10-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-11-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 0.5	< 1	< 1	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5
	SW13-11-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
Kootenay River	SW13-14-130731	2013 07 31	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1
	SW13-A-130731	Duplicate	< 1	< 1	-	< 0.5	< 1	< 1	< 1	< 5	< 1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1.4	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	-	< 1

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than Irrigation (IW) standard.

SHADOW Concentration greater than Livestock (LW) standard.

SHADED Concentration greater than Drinking Water (DW) standard.

[a] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2012.
[b] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

TABLE 3a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Drinking Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons				Gross Parameters												Polycyclic Aromatic Hydrocarbons																							
			Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	VHw6-10 (µg/L)	VPHw (C6-C10) (µg/L)	EPHw10-19 (µg/L)	LEPHw (C10-C19) (µg/L)	EPHw19-32 (µg/L)	HEPHw (C19-C32) (µg/L)	Methyl ter-butyl ether (µg/L)	F1-BTEX (µg/L)	F1 (C6-C10) (µg/L)	F2 (>C10-C16) (µg/L)	F3 (>C16-C34) (µg/L)	F4 (>C34-C50) (µg/L)	Naphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthylene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Acridine (µg/L)	Total LMW PAH (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Chrysene (µg/L)	Benzo(b+j)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Benzo(a)pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Total HMW PAH (µg/L)	Total PAH (µg/L)	Quinoline (µg/L)
BC Standards																																									
CSR Irrigation (IW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	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	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	n/a
CSR Livestock (LW)			n/a	n/a	n/a	n/a	15,000	n/a	5,000	n/a	n/a	n/a	11,000	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			5	2.4	24	300	15,000	n/a	5,000	n/a	n/a	n/a	15	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	n/a	n/a	n/a	n/a	n/a	0.01	n/a	n/a	n/a	n/a	n/a	n/a
Lemon Creek - Shallow Well	DW13-01-130728	2013 07 28	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	-	-	-	-	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.5	< 0.02	< 0.02	< 0.01	< 0.05	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 0.5
	DW13-01-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01
Slocan River South of Winlaw	DW13-02-130729	2013 07 29	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 200	< 4	< 300	< 300	< 200	200	< 3,000	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.5	< 0.02	< 0.02	< 0.01	< 0.05	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 0.5
Lemon Creek and Confluence of Slocan River	DW13-03-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01
Passmore DW Well	DW13-04-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	-	-	< 100	< 100	< 100	< 100	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01
Winlaw Mobile Park	DW13-05-130805	2013 08 05	< 0.5	< 0.5	< 0.5	< 0.75	-	-	< 100	< 100	< 100	< 100	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01
Slocan River North of Perry's Back Bridge - Shallow Well	DW13-A-130801	2013 08 01	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	< 300	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01
Slocan River (south of Lemon Cr and north of Winlaw)	DW13-C-130804	2013 08 04	< 0.5	< 0.5	< 0.5	< 0.75	< 100	< 100	< 250	< 250	< 250	< 250	< 0.5	< 100	< 100	< 300	< 300	-	< 0.05	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	-	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than CSR Irrigation (IW) standard.
SHADOW Concentration greater than CSR Livestock (LW) standard.
SHADED Concentration greater than CSR Drinking Water (DW) standard.

TABLE 3b: Summary of VOC Analytical Results for Lemon Creek - Drinking Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	VOCs																																				
			Bromodichloromethane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon tetrachloride (µg/L)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloromethane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	cis-1,2-Dichloroethylene (µg/L)	trans-1,2-Dichloroethylene (µg/L)	Dichloromethane (µg/L)	1,2-Dichloropropane (µg/L)	cis-1,3-Dichloropropylene (µg/L)	trans-1,3-Dichloropropylene (µg/L)	Methylene bromide (µg/L)	1,1,1,2-Tetrachloroethane (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	Tetrachloroethylene (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1,2-Trichloroethane (µg/L)	Trichloroethylene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Vinyl chloride (µg/L)
BC Standards																																							
CSR Irrigation (IW)			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	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	n/a	n/a	n/a	n/a	n/a	n/a
CSR Livestock (LW)			100	100	n/a	5	n/a	n/a	100	n/a	100	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a
CSR Drinking Water (DW)			16	100	51	5	30	46	100	950	100	3	n/a	1	3,700	5	14	370	730	50	9.9	n/a	n/a	n/a	370	26	3.4	30	10,000	12	5	11,000	n/a	n/a	2			
Lemon Creek - Shallow Well	DW13-01-130728	2013 07 28	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 2	< 0.5	< 1	< 1	< 0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5			
Slocan River South of Winlaw	DW13-02-130729	2013 07 29	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 2	< 0.5	< 1	< 1	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 4	< 2	< 2	< 0.5			

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

UNDERLINE Concentration greater than CSR Irrigation (IW) standard.

SHADOW Concentration greater than CSR Livestock (LW) standard.

SHADED Concentration greater than CSR Drinking Water (DW) standard.

TABLE 4a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Sediment

				Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																			
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Moisture (%)	Benzene (µg/g)	Ethyl-benzene (µg/g)	Toluene (µg/g)	Xylenes (µg/g)	VPH (C6-C10) (µg/g)	EPH (C10-C19) (µg/g)	LEPH (C10-C19) (µg/g)	EPH (C19-C32) (µg/g)	HEPH (C19-C32) (µg/g)	F1-BTEX (µg/g)	F1 (C6-C10) (µg/g)	F2 (>C10-C16) (µg/g)	F3 (>C16-C34) (µg/g)	F4 (>C34-C50) (µg/g)	Methyl ter-butyl ether (µg/g)	Naphthalene (µg/g)	2-Methylnaphthalene (µg/g)	Acenaphthylene (µg/g)	Acenaphthene (µg/g)	Fluorene (µg/g)	Phenanthrene (µg/g)	Anthracene (µg/g)	Fluoranthene (µg/g)	Pyrene (µg/g)	Benzo(a)anthracene (µg/g)	Chrysene (µg/g)	Benzo(b)fluoranthene (µg/g)	Benzo(b+j)fluoranthene (µg/g)	Benzo(k)fluoranthene (µg/g)	Benzo(a)pyrene (µg/g)	Indeno(1,2,3-cd)pyrene (µg/g)	Dibenz(a,h)anthracene (µg/g)	Benzo(g,h,i)perylene (µg/g)
BC Standards																																					
CSR Fresh Water Sediment (FW Sediment) - Sensitve			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	n/a	0.24	0.12	0.08	0.055	0.089	0.32	0.15	1.5	0.54	0.24	0.53	n/a	n/a	n/a	0.48	n/a	0.084	n/a
CSR Fresh Water Sediment (FW Sediment) - Typical			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	n/a	0.47	0.24	0.15	0.11	0.17	0.62	0.29	2.8	1.1	0.46	1	n/a	n/a	n/a	0.94	n/a	0.16	n/a
Slocan River North of Confluence of Lemon Creek	SED13-114-130804	2013 08 04	20.5	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-115-130804	2013 08 04	34.7	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Lemon Creek and Confluence of Slocan River	SED13-300-130802	2013 08 02	28	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-302-130802	2013 08 02	15.1	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-303-130802	2013 08 02	17.1	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-304-130802	2013 08 02	17.9	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-305-130802	2013 08 02	20.3	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-306-130802	2013 08 02	47.4	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	50	-	-	< 0.2	< 0.03	0.06	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Slocan River North of Perry's Back Bridge	BEACH1-01-130801	2013 08 01	39.4	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH1-02-130801	2013 08 01	17.3	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH1-03-130801	2013 08 01	11	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH3-01-130801	2013 08 01	33.1	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH6-01-130801	2013 08 01	48.9	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH7-01-130801	2013 08 01	44	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	31	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-108-130803	2013 08 03	46.8	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	0.04	0.085	0.0342	< 0.01	0.043	0.163	0.0407	0.162	0.17	0.11	0.1	0.142	0.196	0.054	0.13	0.092	0.0271	0.08
	SED13-116-130804	2013 08 04	38.6	< 0.005	< 0.015	0.345	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-117-130804	2013 08 04	46.2	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-A-130729	2013 07 29	14	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	-	-	-	-	-	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	SED13-02-130729	2013 07 29	25	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	< 10	< 10	16	13	< 10	< 0.1	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.005	< 0.02
	SED13-02-130803	2013 08 03	13	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	0.0042	0.056	0.042	0.016	0.025	0.016	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-03-130729	2013 07 29	23	< 0.005	< 0.01	< 0.02	< 0.04	< 10	219	219	< 100	< 100	-	-	-	-	-	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	SED13-04-130729	2013 07 29	27	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 10	< 10	< 0.1	< 0.01	< 0.01	0.0074	< 0.005	< 0.01	0.024	0.015	0.17	0.13	0.032	0.072	-	0.089	0.024	0.03	< 0.02	< 0.005	< 0.02
	SED13-05-130729	2013 07 29	16	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	-	-	-	-	-	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	SED13-06-130729	2013 07 29	47	< 0.005	< 0.01	< 0.02	< 0.04	< 10	101	101	< 100	< 100	< 10	< 10	210	21	< 10	< 0.1	0.031	0.33	< 0.012	0.0087	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.005	< 0.02
Slocan River South of Perry's Back Bridge North of Winlaw	BEACH2-01-130801	2013 08 01	39.9	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH2-02-130801	2013 08 01	36.1	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH4-01-130801	2013 08 01	45	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH4-02-130801	2013 08 01	29.6	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH4-03-130801	2013 08 01	27.6	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH8-01-130802	2013 08 02	32	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.02	< 0.02	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	BEACH8-02-30802	2013 08 02	33.3	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-Z-130729	2013 07 29	45	< 0.005	< 0.01	0.048	< 0.04	< 10	< 100	< 100	< 100	< 100	-	-	-	-	-	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.055	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	SED13-07-130729	2013 07 29	12	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	< 10	< 10	18	< 10	< 10	< 0.1	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.005	< 0.02
	SED13-100-130802	2013 08 02	58	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 400	< 400	< 400	< 400	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.02	< 0.02	< 0.01	< 0.01	< 0.005	< 0.02	0.022	< 0.01	0.031	0.034	0.04	0.052	< 0.07	-	< 0.03	< 0.04	< 0.03	< 0.02	< 0.03
	SED13-101-130802	2013 08 02	38.6	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.005	0.017	0.015	0.011	0.011	0.014	-	< 0.01	0.012	< 0.01	< 0.005	< 0.01
	SED13-DUPA-130802	Duplicate	43.5	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-102-130802	2013 08 02	45.9	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	43	52	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-103-130802	2013 08 02	39	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-DUPB-130802	Duplicate	35.1	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-104-130802	2013 08 02	39.2	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-105-130802	2013 08 02	30	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-106-130802	2013 08 02	46.1	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	55	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-107-130802	2013 08 02	42.8	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-109-130803	2013 08 03	13	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-110-130803	2013 08 03	40.2	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-111-130803	2013 08 03	34	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-112-130803	2013 08 03	36.4	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-113-130803	2013 08 03	40.8	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-22A-130803	2013 08 03	39.1	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

TABLE 4a: Summary of Hydrocarbon Analytical Results for Lemon Creek - Sediment

				Monocyclic Aromatic Hydrocarbons				Gross Parameters											Polycyclic Aromatic Hydrocarbons																		
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Moisture (%)	Benzene (µg/g)	Ethyl-benzene (µg/g)	Toluene (µg/g)	Xylenes (µg/g)	VPH (C6-C10) (µg/g)	EPH (C10-C19) (µg/g)	LEPH (C10-C19) (µg/g)	EPH (C19-C32) (µg/g)	HEPH (C19-C32) (µg/g)	F1-BTEX (µg/g)	F1 (C6-C10) (µg/g)	F2 (>C10-C16) (µg/g)	F3 (>C16-C34) (µg/g)	F4 (>C34-C50) (µg/g)	Methyl ter-butyl ether (µg/g)	Naphthalene (µg/g)	2-Methylnaphthalene (µg/g)	Acenaphthylene (µg/g)	Acenaphthene (µg/g)	Fluorene (µg/g)	Phenanthrene (µg/g)	Anthracene (µg/g)	Fluoranthene (µg/g)	Pyrene (µg/g)	Benzo(a)anthracene (µg/g)	Chrysene (µg/g)	Benzo(b)fluoranthene (µg/g)	Benzo(b+j)fluoranthene (µg/g)	Benzo(k)fluoranthene (µg/g)	Benzo(a)pyrene (µg/g)	Indeno(1,2,3-cd)pyrene (µg/g)	Dibenz(a,h)anthracene (µg/g)	Benzo(g,h,i)perylene (µg/g)
BC Standards																																				
CSR Fresh Water Sediment (FW Sediment) - Sensitve			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	n/a	0.24	0.12	0.08	0.055	0.089	0.32	0.15	1.5	0.54	0.24	0.53	n/a	n/a	n/a	0.48	n/a	0.084	n/a
CSR Fresh Water Sediment (FW Sediment) - Typical			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	n/a	0.47	0.24	0.15	0.11	0.17	0.62	0.29	2.8	1.1	0.46	1	n/a	n/a	n/a	0.94	n/a	0.16	n/a
Slocan River South of Winlaw	BEACH5-01-130801	2013 08 01	30	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-08-130729	2013 07 29	20	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	< 10	< 10	82	11	< 10	< 0.1	< 0.001	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	-	< 0.001	< 0.001	< 0.001	< 0.002	< 0.0005	< 0.002
	SED13-09-130729	2013 07 29	13	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	< 10	< 10	18	< 10	< 10	< 0.1	< 0.001	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	-	< 0.001	< 0.001	< 0.001	< 0.002	< 0.0005	< 0.002
	SED13-10-130729	2013 07 29	21	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	< 10	< 10	52	< 10	< 10	< 0.1	< 0.001	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	-	< 0.001	< 0.001	< 0.001	< 0.002	< 0.0005	< 0.002
	SED13-11-130729	2013 07 29	20	< 0.005	< 0.01	< 0.02	< 0.04	< 10	< 100	< 100	< 100	< 100	< 10	< 10	28	< 10	< 10	< 0.1	< 0.001	< 0.001	< 0.0005	< 0.0005	< 0.001	0.0019	< 0.001	0.0068	0.0029	< 0.001	0.0022	-	< 0.001	< 0.001	< 0.001	< 0.002	< 0.0005	< 0.002
	SED13-109-130803	2013 08 03	13	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Kootenay River	SED13-16A-130801	2013 08 01	21.4	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-17A-130801	2013 08 01	24.8	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-AA-130801	Duplicate	27.2	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-17A-130803	2013 08 03	31	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-18A-130801	2013 08 01	39	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	136	122	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	0.013	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-19A-130801	2013 08 01	21.3	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	< 50	< 50	< 0.2	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Columbia River	SED13-20A-130802	2013 08 02	34.9	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	0.015	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
	SED13-21A-130802	2013 08 02	33.8	< 0.005	< 0.015	< 0.05	< 0.075	< 100	< 200	< 200	< 200	< 200	< 10	< 10	< 30	-	-	< 0.2	< 0.01	0.015	< 0.005	< 0.005	< 0.01	< 0.01	< 0.004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01

< Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.

SHADED Concentration greater than CSR Fresh Water Sediment (FW Sediment) standard. (sensitive and typical)

TABLE 4b: Summary of VOC Analytical Results for Lemon Creek - Sediment

Sample Location	Sample ID	Sample Date (yyyy mm dd)	VOCs																																					
			Bromodichloromethane (µg/g)	Bromoform (µg/g)	Bromomethane (µg/g)	Carbon tetrachloride (µg/g)	Chlorobenzene (µg/g)	Chloroethane (µg/g)	Chloroform (µg/g)	Chloromethane (µg/g)	Dibromochloromethane (µg/g)	1,2-Dichlorobenzene (µg/g)	1,3-Dichlorobenzene (µg/g)	1,4-Dichlorobenzene (µg/g)	1,1-Dichloroethane (µg/g)	1,2-Dichloroethane (µg/g)	1,1-Dichloroethylene (µg/g)	cis-1,2-Dichloroethylene (µg/g)	trans-1,2-Dichloroethylene (µg/g)	Dichloromethane (µg/g)	1,2-Dichloropropane (µg/g)	cis-1,3-Dichloropropene (µg/g)	trans-1,3-Dichloropropene (µg/g)	1,1,1,2-Tetrachloroethane (µg/g)	1,1,2,2-Tetrachloroethane (µg/g)	Tetrachloroethylene (µg/g)	1,1,1-Trichloroethane (µg/g)	1,1,2-Trichloroethane (µg/g)	Trichloroethylene (µg/g)	Trichlorofluoromethane (µg/g)	1,2,4-trimethylbenzene (µg/g)	1,3,5-trimethylbenzene (µg/g)	Vinyl chloride (µg/g)
BC Standards																																								
CSR Fresh Water Sediment (FW Sediment) - Sensitve			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	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	n/a	n/a	n/a	n/a	n/a	n/a
CSR Fresh Water Sediment (FW Sediment) - Typical			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	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	n/a	n/a	n/a	n/a	n/a	n/a
Slocan River North of Perry's Back Bridge	SED13-02-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06
	SED13-04-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06
	SED13-06-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06
Slocan River South of Perry's Back Bridge North of Winlaw	SED13-07-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06
Slocan River South of Winlaw	SED13-08-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06
	SED13-09-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06
	SED13-10-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06
	SED13-11-130729	2013 07 29	< 0.05	< 0.05	< 0.3	< 0.025	< 0.025	< 0.1	< 0.05	< 0.1	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.1	< 0.025	< 0.05	< 0.05	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.009	< 0.2	< 0.2	< 0.2	< 0.06

< Denotes concentration less than indicated detection limit.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

SHADED Concentration greater than CSR Fresh Water Sediment (FW Sediment) standard. (sensitive and typical)

TABLE 5: Summary of Analytical Results for Lemon Creek - Recovered Jet A1 Fuel

Sample Location		VACTRUCK
Sample ID		VACTRUCK-130731
Sample Date (yyyy mm dd)		2013 07 31
Parameter	**Units**	**Analytical Results**
Gross Parameters		
EPH (C10-C19)	µg/g	392,000
EPH (C19-C32)	µg/g	< 2,000
Polycyclic Aromatic Hydrocarbons		
Naphthalene	µg/g	435
Acenaphthylene	µg/g	< 4
Acenaphthene	µg/g	< 25
Fluorene	µg/g	21.6
Phenanthrene	µg/g	4.1
Anthracene	µg/g	< 2.5
Fluoranthene	µg/g	< 2.5
Pyrene	µg/g	< 2.5
Benzo(a)anthracene	µg/g	< 2.5
Chrysene	µg/g	< 2.5
Benzo(b)fluoranthene	µg/g	< 2.5
Benzo(k)fluoranthene	µg/g	< 2.5
Benzo(a)pyrene	µg/g	< 2.5
Indeno(1,2,3-cd)pyrene	µg/g	< 2.5
Dibenz(a,h)anthracene	µg/g	< 2.5
Benzo(g,h,i)perylene	µg/g	< 2.5

< Denotes concentration less than indicated detection limit.