

Obed Mountain Mine
Water Quality
March 2014

			Aggregate Organics							Anions and Nutrients												
Location	Date	Sample Type	Hydrocarbons, Recoverable (I.R.)	BOD	Phenols (4AAP)	Alkalinity (T) as CaCO3	Ammonia	Bicarbonate	Carbonate	Chloride	Electrical Conductivity (lab)	Hydroxide	Ionic Balance	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrate + Nitrite-N	Nitrite (as N)	pH (Lab)	Phosphorus	Phosphorus (Filtered)	Sulphate	Sulphide
			mg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	%	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L
MDL			1	2	1	2	0.05	5	5	0.5	0.0002	5		0.2	0.05	0.07	0.05	0.1	0.001	0.001	0.5	0.002
	05-Mar-14	Field Blank	<1	<2	<1	<2	<0.05	<5	<5	<0.5	<0.0002	<5	-	<0.2	<0.05	<0.071	<0.05	4.96	<0.001	<0.001	<0.5	<0.002
	19-Mar-14	Trip Blank	<1	<2	<1	<2	<0.05	<5	<5	<0.5	<0.0002	<5	-	<0.2	<0.05	<0.071	<0.05	4.75	<0.001	<0.001	<0.5	<0.002
APC	04-Mar-14	Normal	<1	<2	<1	479	<0.05	584	<5	1.43	1.04	<5	91	<0.2	<0.05	<0.071	<0.05	8.16	0.0095	0.0028	156	0.002
	11-Mar-14	Normal	<1	<2	1.8 - 2.7	381 - 388	<0.05	465 - 473	<5	1.65 - 1.7	0.843 - 0.867	<5	93.1 - 95.1	<0.2	<0.05	<0.071	<0.05	8.16 - 8.19	0.0077 - 0.0116	0.0015 - 0.0017	110 - 115	<0.002
	18-Mar-14	Normal	<1	<2	<1	392	<0.05	478	<5	1.52	0.907	<5	94.8	<0.2	0.211	0.211	<0.05	8.14	0.0064	0.0058	136	0.0031
	25-Mar-14	Normal	<1	<2	<1	415	<0.05	506	<5	1.47	0.949	<5	95.7	<0.2	0.085	0.085	<0.05	8.18	0.0035	0.0011	141	<0.002
ATR-CON	04-Mar-14	Normal	<1	<2	<1	170	0.072	208	<5	6.06	0.546	<5	97.9	<0.2	0.078	0.078	<0.05	7.9	0.0194	0.0101	110	0.0027
	11-Mar-14	Normal	<1	<2	3.4	160	0.073	195	<5	5.93	0.493	<5	96.4	0.29	0.119	0.119	<0.05	7.99	0.0354	0.0105	94.5	0.0024
	18-Mar-14	Normal	<1	<2	3	128	0.107	156	<5	5.52	0.418	<5	95.8	0.23	0.098	0.098	<0.05	7.74	0.0314	0.0303	84.6	<0.002
	25-Mar-14	Normal	<1	<2	4.7	168	<0.05	205	<5	5.47	0.518	<5	96.8	0.48	0.085	0.085	<0.05	7.89	0.0309	0.0098	104	0.0087
ATR-D1	04-Mar-14	Normal	<1	<2	<1	160	0.097	196	<5	7.11	0.557	<5	98.6	0.21	0.086	0.086	<0.05	7.87	0.0242	0.0129	122	0.0036
	10-Mar-14	Normal	<1	<2	4.2	147	0.069	180	<5	6.79	0.484	<5	98.9	0.45	0.093	0.093	<0.05	7.9	0.267	0.0063	103	0.219
	11-Mar-14	Normal	<1	<2	4.5	154	0.055	188	<5	6.86	0.51	<5	95.9	<0.2	0.101	0.101	<0.05	8.02	0.0247	0.0081	102	0.0021
		Field Duplicate	<1	<2	4.1	132	0.076	161	<5	6.69	0.48	<5	95.1	<0.2	0.094	0.094	<0.05	7.97	0.0327	0.0098	106	0.0029
	18-Mar-14	Normal	<1	<2	3.1	136	0.087	166	<5	6.47	0.464	<5	96.9	<0.2	0.094	0.094	<0.05	7.76	0.0253	0.0245	97.4	0.0023
	25-Mar-14	Normal	<1	<2	3.5	154	0.062	188	<5	6.51	0.514	<5	98.8	0.2	0.097	0.097	<0.05	7.85	0.0321	0.0149	111	0.0084
ATR-FF-5	19-Mar-14	Normal	<1	<2	2.4	175	<0.05	213	<5	5.47	0.435	<5	95.6	0.3	0.16	0.16	<0.05	7.75	0.0267	0.0161	50.9	<0.002
ATR-FF-7	19-Mar-14	Normal	<1	<2	1.9	148	<0.05	180	<5	34.8	0.455	<5	96.3	0.27	0.193	0.193	<0.05	7.63	0.0349	0.0184	34.1	<0.002
ATR-PLC	10-Mar-14	Normal	<1	<2	5.1	145	0.065	177	<5	9.2	0.495	<5	97.7	<0.2	0.086	0.086	<0.05	7.91	0.0379	0.0072	100	<0.002
ATR-US	04-Mar-14	Normal	<1	<2	<1	155	0.087	190	<5	6.47	0.553	<5	97.8	0.22	0.064	<0.071	<0.05	7.86	0.0225	0.0118	125	0.0033
	11-Mar-14	Normal	<1	<2	4.3	134	0.077	163	<5	6.77	0.477	<5	95.8	0.39	0.1	0.1	<0.05	7.94	0.0265	-	106	<0.002
	18-Mar-14	Normal	<1	<2	2.5	131	0.09	160	<5	6.65	0.465	<5	96.7	<0.2	0.071	<0.071	<0.05	7.75	0.0321	0.0313	104	0.0027
	25-Mar-14	Normal	<1	<2	3.1	147	<0.05	179	<5	4.94	0.498	<5	100	<0.2	0.074	0.074	<0.05	7.84	0.0315	0.0081	112	0.0086
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLC-DS	05-Mar-14	Normal	<1	<2	<1	283	<0.05	345	<5	<0.5	0.514	<5	97.7	<0.2	0.091	0.091	<0.05	8.07	0.0075	0.0024	17.9	<0.002
	11-Mar-14	Normal	<1	<2	<1	289	<0.05	353	<5	<0.5	0.557	<5	96.2	<0.2	0.076	0.076	<0.05	8.11	0.0176	0.0016	33.2	<0.002
	12-Mar-14	Normal	<1	<2	<1	289	<0.05	353	<5	<0.5	0.554	<5	93.8	<0.2	0.077	0.077	<0.05	8.18	0.0071	0.0012	34	<0.002
	19-Mar-14	Normal	<1	<2	<1	266	<0.05	324	<5	<0.5	0.493	<5	95.4	<0.2	0.094	0.094	<0.05	8.02	0.009	0.0087	22	<0.002
	26-Mar-14	Normal	<1	<2	<1	267	<0.05	326	<5	<0.5	0.496	<5	97.1	<0.2	0.094	0.094	<0.05	8.05	0.0081	0.0019	19.6	<0.002
PLC-DS2	05-Mar-14	Normal	<1	<2	<1	283	<0.05	345	<5	<0.5	0.516	<5	96.8	<0.2	0.091	0.091	<0.05	8.08	0.0068	0.0018	17.6	<0.002
	11-Mar-14	Normal	<1	<2	<1	277	<0.05	338	<5	0.69	0.526	<5	96.1	0.37	0.091	0.091	<0.05	8.13	0.0076	0.0017	25.5	<0.002
	12-Mar-14	Normal	<1	<2	<1	283	<0.05	346	<5	0.55	0.554	<5	96.8	<0.2	0.074	0.074	<0.05	8.19	0.0053	0.0019	33.8	<0.002

Obed Mountain Mine
Water Quality
March 2014

			Hardness as CaCO3	Total Dissolved Solids	Aluminium (Filtered)	Antimony (Filtered)	Arsenic (Filtered)	Barium (Filtered)	Beryllium (Filtered)	Bismuth (Filtered)	Boron (Filtered)	Cadmium (Filtered)	Calcium (Filtered)	Chromium (III+VI) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)	
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL					0.001	0.0001	0.0001	0.00005	0.0005	0.00005	0.01	0.00001	0.5	0.0001	0.0001	0.0001	0.01	0.00005	
Location	Date	Sample Type																	
	05-Mar-14	Field Blank	<1	<1	<0.001	<0.0001	<0.0001	<0.00005	<0.0005	<0.00005	<0.01	<0.00001	<0.5	<0.0001	<0.0001	0.00016	<0.01	<0.00005	
	19-Mar-14	Trip Blank	<1	<1	<0.001	<0.0001	<0.0001	<0.00005	<0.0005	<0.00005	<0.01	<0.00001	<0.5	<0.0001	<0.0001	<0.0001	<0.01	<0.00005	
APC	04-Mar-14	Normal	361	673	0.0014	<0.0001	0.00036	0.126	<0.0005	<0.00005	0.054	<0.00001	92	<0.0001	<0.0001	0.00021	<0.01	<0.00005	
	11-Mar-14	Normal	294 - 309	520 - 538	0.0016 - 0.0018	<0.0001	0.00031 - 0.00032	0.121 - 0.13	<0.0005	<0.00005	0.039 - 0.043	<0.00001	76.2 - 80.5	<0.0001	<0.0001	0.00018 - 0.00038	<0.01	<0.00005	
	18-Mar-14	Normal	293	573	0.0019	<0.0001	0.00033	0.108	<0.0005	<0.00005	0.05	<0.00001	71.3	<0.0001	<0.0001	0.00033	<0.01	<0.00005	
	25-Mar-14	Normal	323	602	0.0015	<0.0001	0.00029	0.116	<0.0005	<0.00005	0.052	<0.00001	79.4	<0.0001	<0.0001	0.00021	<0.01	<0.00005	
ATR-CON	04-Mar-14	Normal	245	324	0.0125	<0.0001	0.00018	0.0707	<0.0005	<0.00005	0.011	<0.00001	66.5	<0.0001	<0.0001	0.00016	<0.01	<0.00005	
	11-Mar-14	Normal	213	292	0.009	<0.0001	0.00017	0.0627	<0.0005	<0.00005	0.011	<0.00001	57.6	<0.0001	<0.0001	0.00025	0.01	<0.00005	
	18-Mar-14	Normal	182	246	0.0097	<0.0001	0.00017	0.0541	<0.0005	<0.00005	<0.01	<0.00001	49.1	<0.0001	<0.0001	0.00027	<0.01	<0.00005	
	25-Mar-14	Normal	236	311	0.0103	<0.0001	0.00013	0.0663	<0.0005	<0.00005	0.011	<0.00001	62.4	<0.0001	<0.0001	0.00017	0.012	<0.00005	
ATR-D1	04-Mar-14	Normal	248	333	0.0144	<0.0001	0.0001	0.0713	<0.0005	<0.00005	0.012	<0.00001	66.3	<0.0001	<0.0001	0.00034	<0.01	<0.00005	
	10-Mar-14	Normal	222	295	0.364	<0.0001	0.00035	0.0829	<0.0005	<0.00005	0.011	0.000015	59.9	0.00056	0.00019	0.00078	0.261	0.000356	
	11-Mar-14	Normal	216	297	0.0116	<0.0001	0.00016	0.0735	<0.0005	<0.00005	0.01	<0.00001	58.1	<0.0001	<0.0001	0.00039	<0.01	<0.00005	
		Field Duplicate	198	280	0.0109	<0.0001	0.00011	0.0552	<0.0005	<0.00005	0.011	<0.00001	52.1	<0.0001	<0.0001	0.0002	<0.01	<0.00005	
	18-Mar-14	Normal	202	273	0.0091	<0.0001	0.00012	0.0593	<0.0005	<0.00005	0.011	<0.00001	53.3	<0.0001	<0.0001	0.0002	<0.01	<0.00005	
25-Mar-14	Normal	236	311	0.0108	<0.0001	0.00012	0.0626	<0.0005	<0.00005	0.011	<0.00001	62.7	<0.0001	<0.0001	0.00019	<0.01	<0.00005		
ATR-FF-5	19-Mar-14	Normal	171	248	0.0068	<0.0001	0.00059	0.0863	<0.0005	<0.00005	0.034	0.000016	47.5	<0.0001	<0.0001	0.00079	0.029	<0.00005	
ATR-FF-7	19-Mar-14	Normal	151	246	0.0042	<0.0001	0.00038	0.0641	<0.0005	<0.00005	0.033	<0.00001	41.7	<0.0001	<0.0001	0.00052	0.17	<0.00005	
ATR-PLC	10-Mar-14	Normal	212	291	0.0101	<0.0001	0.00014	0.0633	<0.0005	<0.00005	<0.01	<0.00001	56.6	<0.0001	<0.0001	0.00039	<0.01	<0.00005	
ATR-US	04-Mar-14	Normal	246	330	0.0223	<0.0001	<0.0001	0.0697	<0.0005	<0.00005	0.012	<0.00001	66.2	<0.0001	<0.0001	0.00019	<0.01	<0.00005	
	11-Mar-14	Normal	201	283	0.0125	<0.0001	0.00012	0.0559	<0.0005	<0.00005	0.011	<0.00001	53.4	<0.0001	<0.0001	0.00021	<0.01	<0.00005	
	18-Mar-14	Normal	205	277	0.0109	<0.0001	0.00011	0.0535	<0.0005	<0.00005	0.011	<0.00001	53.9	<0.0001	<0.0001	0.00016	<0.01	<0.00005	
	25-Mar-14	Normal	238	303	0.0109	<0.0001	0.00011	0.0621	<0.0005	<0.00005	0.012	<0.00001	62.9	<0.0001	<0.0001	0.00015	0.01	<0.00005	
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLC-DS	05-Mar-14	Normal	257	297	0.0019	<0.0001	0.00021	0.0842	<0.0005	<0.00005	<0.01	<0.00001	72.9	<0.0001	<0.0001	0.00039	<0.01	<0.00005	
	11-Mar-14	Normal	253	324	0.0016	<0.0001	0.00027	0.0857	<0.0005	<0.00005	0.012	<0.00001	70.9	<0.0001	<0.0001	0.00024	<0.01	<0.00005	
	12-Mar-14	Normal	246	322	0.0014	<0.0001	0.00027	0.0842	<0.0005	<0.00005	0.013	<0.00001	68.7	<0.0001	<0.0001	0.00023	<0.01	<0.00005	
	19-Mar-14	Normal	233	284	0.0022	<0.0001	0.00022	0.077	<0.0005	<0.00005	<0.01	<0.00001	63.9	<0.0001	<0.0001	0.0002	<0.01	<0.00005	
	26-Mar-14	Normal	242	283	0.0017	<0.0001	0.00022	0.0881	<0.0005	<0.00005	<0.01	<0.00001	67.5	<0.0001	<0.0001	0.00023	<0.01	<0.00005	
PLC-DS2	05-Mar-14	Normal	255	296	0.0016	<0.0001	0.00025	0.0887	<0.0005	<0.00005	<0.01	<0.00001	72.3	<0.0001	<0.0001	0.00029	<0.01	<0.00005	
	11-Mar-14	Normal	247	302	0.0021	<0.0001	0.00024	0.0861	<0.0005	<0.00005	0.01	<0.00001	69.4	<0.0001	<0.0001	0.00024	<0.01	<0.00005	
	12-Mar-14	Normal	250	320	0.0017	<0.0001	0.00027	0.0848	<0.0005	<0.00005	0.012	<0.00001	69.6	<0.0001	<0.0001	0.00024	<0.01	<0.00005	

Obed Mountain Mine
Water Quality
March 2014

Dissolved Metals																	
			Lithium (Filtered)	Magnesium (Filtered)	Manganese (Filtered)	Molybdenum (Filtered)	Nickel (Filtered)	Phosphorus (Filtered)	Potassium (Filtered)	Selenium (Filtered)	Silicon (Filtered)	Silver (Filtered)	Sodium (Filtered)	Strontium (Filtered)	Thallium (Filtered)	Tin (Filtered)	Titanium (Filtered)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.003	0.1	0.00005	0.00005	0.0001	0.3	0.5	0.0001	0.05	0.00001	1	0.0001	0.00005	0.0001	0.0003
Location	Date	Sample Type															
	05-Mar-14	Field Blank	<0.003	<0.1	<0.00005	<0.00005	<0.0001	<0.3	<0.5	<0.0001	<0.05	<0.00001	<1	<0.0001	<0.00005	<0.0001	<0.0003
	19-Mar-14	Trip Blank	<0.003	<0.1	<0.00005	<0.00005	<0.0001	<0.3	<0.5	<0.0001	<0.05	<0.00001	<1	<0.0001	<0.00005	<0.0001	<0.0003
APC	04-Mar-14	Normal	0.0408	31.8	0.0391	0.00194	0.00051	<0.3	2.27	0.00011	5.85	<0.00001	102	1.02	<0.00005	<0.0001	<0.0003
	11-Mar-14	Normal	0.0272 - 0.0298	25.2 - 26.2	0.0351 - 0.0378	0.00153 - 0.00167	0.00049 - 0.00056	<0.3	1.85 - 1.97	<0.0001	5.04	<0.00001	76.9 - 79.7	0.831 - 0.855	<0.00005	<0.0001 - 0.0002	<0.0003
	18-Mar-14	Normal	0.0355	27.9	0.0433	0.0022	0.00068	<0.3	2.38	0.00072	4.96	<0.00001	97.8	0.892	<0.00005	<0.0001	<0.0003
	25-Mar-14	Normal	0.0398	30.4	0.0497	0.00185	0.0006	<0.3	2.14	0.00037	5.21	<0.00001	98.2	0.899	<0.00005	<0.0001	<0.0003
ATR-CON	04-Mar-14	Normal	0.0051	19.2	0.00221	0.00169	0.0003	<0.3	1.09	0.00048	2.73	<0.00001	18.8	0.799	<0.00005	<0.0001	<0.0003
	11-Mar-14	Normal	0.0049	16.9	0.000499	0.00122	0.00036	<0.3	1.2	0.00037	2.37	<0.00001	19.5	0.627	<0.00005	<0.0001	<0.0003
	18-Mar-14	Normal	0.0034	14.4	0.00104	0.0011	0.00034	<0.3	0.92	0.00034	2.02	<0.00001	14.4	0.59	<0.00005	<0.0001	<0.0003
	25-Mar-14	Normal	0.0044	19.4	0.000816	0.00121	0.0003	<0.3	1.13	0.00044	2.54	<0.00001	17.5	0.729	<0.00005	<0.0001	<0.0003
ATR-D1	04-Mar-14	Normal	0.0049	20	0.00173	0.0018	0.00034	<0.3	1.15	0.00052	2.51	<0.00001	20.4	0.843	<0.00005	<0.0001	<0.0003
	10-Mar-14	Normal	0.0053	17.5	0.0165	0.00138	0.00089	<0.3	1.32	0.00047	2.96	<0.00001	17.6	0.681	<0.00005	<0.0001	0.00979
	11-Mar-14	Normal	0.0048	17.3	0.000868	0.00132	0.00038	<0.3	1.27	0.00039	2.4	<0.00001	18.9	0.686	<0.00005	<0.0001	<0.0003
		Field Duplicate	0.0042	16.6	0.00565	0.00127	0.00032	<0.3	1.16	0.00038	1.93	<0.00001	18.2	0.657	<0.00005	<0.0001	<0.0003
	18-Mar-14	Normal	0.0037	16.7	0.00173	0.00117	0.00033	<0.3	1.03	0.0004	2.15	<0.00001	16.5	0.676	<0.00005	<0.0001	<0.0003
25-Mar-14	Normal	0.0043	19.4	0.000635	0.00123	0.00028	<0.3	1.09	0.00046	2.22	<0.00001	17.4	0.768	<0.00005	<0.0001	<0.0003	
ATR-FF-5	19-Mar-14	Normal	0.0119	12.8	0.000944	0.000921	0.00152	<0.3	2.71	0.00019	3.2	<0.00001	23.3	0.342	<0.00005	<0.0001	0.00032
ATR-FF-7	19-Mar-14	Normal	0.009	11.3	0.0114	0.000753	0.00112	<0.3	2.03	0.00013	5.03	<0.00001	32.6	0.277	<0.00005	<0.0001	<0.0003
ATR-PLC	10-Mar-14	Normal	0.0049	17.2	0.00054	0.00132	0.00044	<0.3	1.21	0.0004	2.27	<0.00001	19.6	0.657	<0.00005	<0.0001	<0.0003
ATR-US	04-Mar-14	Normal	0.0048	19.7	0.00455	0.00185	0.0003	<0.3	1.09	0.00053	2.39	0.000014	18.7	0.867	<0.00005	<0.0001	<0.0003
	11-Mar-14	Normal	0.0043	16.5	0.0048	0.00129	0.00033	<0.3	1.16	0.0004	1.98	<0.00001	18.5	0.654	<0.00005	<0.0001	<0.0003
	18-Mar-14	Normal	0.0037	17.1	0.00352	0.00119	0.0003	<0.3	0.97	0.00042	2	<0.00001	15.8	0.685	<0.00005	<0.0001	<0.0003
	25-Mar-14	Normal	0.0044	19.7	0.00399	0.00123	0.00027	<0.3	1.04	0.00047	2.11	<0.00001	14.3	0.78	<0.00005	0.00014	<0.0003
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLC-DS	05-Mar-14	Normal	0.0068	18.2	0.00312	0.000906	0.00029	<0.3	0.99	0.00018	5.09	<0.00001	16.8	0.425	<0.00005	<0.0001	<0.0003
	11-Mar-14	Normal	0.0104	18.5	0.00116	0.000951	0.00036	<0.3	1.2	0.00011	4.81	<0.00001	26.3	0.43	<0.00005	<0.0001	<0.0003
	12-Mar-14	Normal	0.0103	18	0.00424	0.000931	0.00032	<0.3	1.21	0.00013	4.82	<0.00001	26.5	0.436	<0.00005	<0.0001	<0.0003
	19-Mar-14	Normal	0.0064	17.8	0.00421	0.000799	0.00028	<0.3	1.02	0.00017	4.71	<0.00001	19	0.383	<0.00005	<0.0001	<0.0003
	26-Mar-14	Normal	0.007	17.8	0.00317	0.000792	0.00028	<0.3	0.94	0.00014	4.76	<0.00001	16.8	0.387	<0.00005	<0.0001	<0.0003
PLC-DS2	05-Mar-14	Normal	0.0065	18.1	0.00157	0.000863	0.00033	<0.3	0.98	0.00021	4.99	<0.00001	16.4	0.411	<0.00005	<0.0001	<0.0003
	11-Mar-14	Normal	0.0086	17.8	0.00208	0.000905	0.00034	<0.3	1.07	0.00013	4.71	<0.00001	20.8	0.399	<0.00005	<0.0001	<0.0003
	12-Mar-14	Normal	0.0101	18.6	0.00146	0.000928	0.00032	<0.3	1.25	0.00012	4.73	<0.00001	26.5	0.424	<0.00005	<0.0001	<0.0003

Obed Mountain Mine
Water Quality
March 2014

			C2 Fluoranthenes/Pyrenes	C2 Naphthalenes	C2 Phenanthrenes/Anthracenes	C2 Fluorenes	C2 subd B(a)Anthracenes/Chrysenes	C3 Benzantracenes/Chrysenes	C3 Dibenzothiophenes	C3 Fluoranthenes/Pyrenes	C3 Fluorenes	C3 Naphthalenes	C3 Phenanthrenes/Anthracenes	Aluminium	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL			0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.003	0.0001	0.0001	0.00005	0.0001	0.00005	0.01	0.00001	0.02	
Location	Date	Sample Type																					
	05-Mar-14	Field Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.003	<0.0001	<0.0001	<0.00005	<0.0005	<0.0005	<0.01	<0.00001	<0.02	
	19-Mar-14	Trip Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.003	<0.0001	<0.0001	<0.00005	<0.0001	<0.0005	<0.01	<0.00001	<0.02	
APC	04-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.12	<0.0001	0.00042	0.144	<0.0005	<0.0005	0.064	<0.00001	97	
	11-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.141 - 0.152	<0.0001	0.00041 - 0.00043	0.144 - 0.163	<0.0005	<0.0005	0.039 - 0.045	<0.00001 - 0.00001	82.9 - 92	
	18-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.106	<0.0001	0.00038	0.127	<0.0001	<0.0005	0.048	<0.00001	78.3	
	25-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0339	<0.0001	0.00032	0.133	<0.0001	<0.0005	0.052	<0.00001	89.6	
ATR-CON	04-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0494	<0.0001	0.00016	0.07	<0.0005	<0.0005	0.014	0.00001	64.8	
	11-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.231	<0.0001	0.00029	0.0792	<0.0005	<0.0005	0.011	0.000015	63.8	
	18-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.178	<0.0001	0.00025	0.0584	<0.0001	<0.0005	<0.01	0.000012	51.9	
	25-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.065	<0.0001	0.00014	0.0688	<0.0001	<0.0005	0.01	0.000015	63.8	
ATR-D1	04-Mar-14	Normal	<0.04	0.053	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0429	0.00014	0.00014	0.0705	<0.0005	<0.0005	0.014	<0.00001	63.2	
	10-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	5.32	0.00017	0.00329	0.173	<0.0005	0.000106	0.017	0.000198	207	
	11-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0939	<0.0001	0.00021	0.0809	<0.0005	<0.0005	0.011	0.000011	60.8	
		Field Duplicate	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.111	<0.0001	0.0002	0.0639	<0.0005	<0.0005	0.011	0.000015	60.9
	18-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0911	<0.0001	0.0002	0.0666	<0.0001	<0.0005	0.01	<0.00001	60.7	
25-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0562	<0.0001	0.00014	0.0652	<0.0001	<0.0005	0.01	0.000016	62.5		
ATR-FF-5	19-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0914	<0.0001	0.00069	0.0843	<0.0001	<0.0005	0.041	0.000021	49	
ATR-FF-7	19-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0621	<0.0001	0.00051	0.0629	<0.0001	<0.0005	0.038	0.000012	41	
ATR-PLC	10-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1.04	<0.0001	0.00067	0.0944	<0.0005	<0.0005	0.012	0.000043	83.8	
ATR-US	04-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0537	<0.0001	0.00015	0.0673	<0.0005	<0.0005	0.015	0.000011	64.2	
	11-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.119	<0.0001	0.0002	0.0631	<0.0005	<0.0005	0.011	0.000015	59.4	
	18-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.152	<0.0001	0.00018	0.0584	<0.0001	<0.0005	0.01	0.000011	58.9	
	25-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0674	<0.0001	0.00013	0.063	<0.0001	<0.0005	0.01	0.000015	60.9	
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLC-DS	05-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.125	<0.0001	0.0003	0.0912	<0.0005	<0.0005	0.012	<0.00001	66.6	
	11-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.255	<0.0001	0.0004	0.11	<0.0005	<0.0005	0.014	<0.00001	80.8	
	12-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.155	<0.0001	0.00034	0.111	<0.0005	<0.0005	0.013	<0.00001	75.1	
	19-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.16	<0.0001	0.00034	0.0956	<0.0001	<0.0005	<0.01	<0.00001	70.1	
	26-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0941	<0.0001	0.00029	0.0882	<0.0001	<0.0005	<0.01	<0.00001	69.3	
PLC-DS2	05-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.155	<0.0001	0.00038	0.11	<0.0005	<0.0005	0.011	<0.00001	71.9	
	11-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.149	<0.0001	0.00036	0.11	<0.0005	<0.0005	<0.01	<0.00001	77.7	
	12-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.122	<0.0001	0.00035	0.104	<0.0005	<0.0005	0.012	<0.00001	73.9	

Obed Mountain Mine
Water Quality
March 2014

			Total Metals											
			Chromium (III+VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.0001	0.0001	0.0001	0.01	0.00005	0.005	0.005	0.00005	5.0E-7	0.00005	0.0001	0.3
Location	Date	Sample Type												
	05-Mar-14	Field Blank	<0.0001	<0.0001	0.00011	<0.01	<0.00005	<0.005	<0.005	<0.00005	<5.0E-7	<0.00005	<0.0001	<0.3
	19-Mar-14	Trip Blank	<0.0001	<0.0001	<0.0001	<0.01	<0.00005	<0.005	<0.005	<0.00005	-	<0.00005	<0.0001	<0.3
APC	04-Mar-14	Normal	0.00015	0.00016	0.00043	0.244	0.000135	0.0408	34.5	0.096	9.4E-7	0.00197	0.00069	<0.3
	11-Mar-14	Normal	0.00018 - 0.0004	0.00019 - 0.00021	0.00038 - 0.00089	0.326 - 0.375	0.00011 - 0.000164	0.0291 - 0.0343	28.2 - 29.2	0.133 - 0.138	9.0E-7 - 9.8E-7	0.00159 - 0.00186	0.00072 - 0.00081	<0.3
	18-Mar-14	Normal	0.00014	0.00016	0.0005	0.198	0.00008	0.0358	29.1	0.0829	8.9E-7	0.0022	0.00077	<0.3
	25-Mar-14	Normal	<0.0001	0.00012	0.0003	0.137	<0.00005	0.0356	31.2	0.0767	5.7E-7	0.00205	0.00067	<0.3
ATR-CON	04-Mar-14	Normal	0.00014	<0.0001	0.00042	0.082	0.000057	<0.005	20.8	0.0117	5.2E-7	0.00171	0.0003	<0.3
	11-Mar-14	Normal	0.00034	0.0002	0.00059	0.276	0.000219	0.0051	19	0.0332	0.00000187	0.00127	0.00057	<0.3
	18-Mar-14	Normal	0.00028	0.00016	0.00069	0.257	0.000206	<0.005	16.4	0.0196	0.0000019	0.00105	0.00055	<0.3
	25-Mar-14	Normal	0.00018	<0.0001	0.00029	0.123	0.000076	<0.005	17.7	0.0163	8.8E-7	0.00134	0.00036	<0.3
ATR-D1	04-Mar-14	Normal	0.00016	<0.0001	0.00035	0.07	0.00005	<0.005	20.2	0.0103	<5.0E-7	0.00174	0.00031	<0.3
	10-Mar-14	Normal	0.00934	0.00544	0.0107	12.6	0.00762	0.0173	44	0.463	0.0000071	0.00184	0.0141	0.59
	11-Mar-14	Normal	0.00022	<0.0001	0.00043	0.121	0.00009	<0.005	19.2	0.014	<5.0E-7	0.00134	0.00045	<0.3
		Field Duplicate	0.00026	0.00012	0.00045	0.189	0.000143	<0.005	18.1	0.0221	5.6E-7	0.00133	0.00049	<0.3
	18-Mar-14	Normal	0.00019	<0.0001	0.00034	0.138	0.000106	<0.005	18.7	0.0148	7.0E-7	0.00129	0.00041	<0.3
	25-Mar-14	Normal	0.0002	<0.0001	0.00039	0.102	0.000064	<0.005	17.9	0.0138	7.8E-7	0.00134	0.00042	<0.3
ATR-FF-5	19-Mar-14	Normal	0.0002	0.00012	0.00066	0.232	0.000094	0.0123	13	0.00781	7.0E-7	0.00102	0.00161	<0.3
ATR-FF-7	19-Mar-14	Normal	0.00019	0.00012	0.00053	0.548	0.000085	0.0096	11	0.0328	6.9E-7	0.000797	0.00113	<0.3
ATR-PLC	10-Mar-14	Normal	0.00188	0.00085	0.00261	1.86	0.00129	0.0072	22	0.0777	9.7E-7	0.00141	0.00264	<0.3
ATR-US	04-Mar-14	Normal	0.00017	<0.0001	0.00037	0.089	0.000073	<0.005	20.7	0.016	<5.0E-7	0.00182	0.00033	<0.3
	11-Mar-14	Normal	0.00027	0.00012	0.00043	0.173	0.000133	<0.005	18.7	0.0217	6.3E-7	0.00131	0.00048	<0.3
	18-Mar-14	Normal	0.00028	0.00014	0.0004	0.245	0.000162	<0.005	19.1	0.0204	8.5E-7	0.00127	0.00051	<0.3
	25-Mar-14	Normal	0.00019	<0.0001	0.00026	0.124	0.000078	<0.005	19.8	0.0157	6.2E-7	0.00133	0.00032	<0.3
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
PLC-DS	05-Mar-14	Normal	0.00016	<0.0001	0.00069	0.26	0.000181	0.0064	19	0.0125	0.00000123	0.000814	0.00037	<0.3
	11-Mar-14	Normal	0.00039	0.00015	0.00049	0.357	0.00025	0.012	21	0.0162	9.4E-7	0.00103	0.00062	<0.3
	12-Mar-14	Normal	0.00018	<0.0001	0.00041	0.236	0.000197	0.0104	20.2	0.0131	9.8E-7	0.00101	0.00042	<0.3
	19-Mar-14	Normal	0.00017	<0.0001	0.00033	0.279	0.000187	0.0068	19.4	0.0125	0.0000015	0.000865	0.00037	<0.3
	26-Mar-14	Normal	0.00013	<0.0001	0.00034	0.235	0.000187	0.0053	18.3	0.0129	0.00000109	0.000812	0.00032	<0.3
PLC-DS2	05-Mar-14	Normal	0.0002	<0.0001	0.00064	0.242	0.000197	0.0068	22.4	0.011	0.000001	0.00088	0.00049	<0.3
	11-Mar-14	Normal	0.00081	0.00011	0.00056	0.244	0.000237	0.0087	19.5	0.0123	8.4E-7	0.000954	0.00084	<0.3
	12-Mar-14	Normal	0.00016	<0.0001	0.00039	0.158	0.000119	0.0101	20	0.00931	7.4E-7	0.000992	0.0004	<0.3

Obed Mountain Mine
Water Quality
March 2014

			Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	1,1,1-trichloroethane	1,1,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dibromoethane	
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	
MDL			0.05	0.0001	0.05	0.00001	0.05	0.0001	0.00001	0.0001	0.0003	0.00001	0.0001	0.0001	0.003	0.001	20	2	0.001	0.001	5	1
Location	Date	Sample Type																				
	05-Mar-14	Field Blank	<0.05	<0.0001	<0.05	<0.00001	<0.05	0.0001	<0.00005	<0.0001	<0.0003	<0.00001	<0.0001	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	19-Mar-14	Trip Blank	<0.05	<0.0001	<0.05	<0.00001	<0.05	<0.0001	<0.00001	<0.0001	<0.0003	<0.00001	<0.0001	<0.003	-	-	-	-	-	-	-	
APC	04-Mar-14	Normal	2.36	<0.0001	6.15	<0.00001	110	1.03	<0.00005	<0.0001	0.00265	0.00394	0.0006	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	11-Mar-14	Normal	1.88 - 1.91	0.0001	5.35 - 5.36	<0.00001	83.2 - 89.1	0.849 - 0.913	<0.00005	<0.0001	0.00316 - 0.00359	0.00337 - 0.00343	0.00076 - 0.0008	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	18-Mar-14	Normal	2.24	0.0007	5.17	<0.00001	94.3	0.893	<0.00001	<0.0001	0.00265	0.00364	0.00061	<0.003	-	-	-	-	-	-	-	
	25-Mar-14	Normal	2.25	0.00032	5.13	<0.00001	97.5	1.02	<0.00001	<0.0001	0.00046	0.00393	0.00039	<0.003	-	-	-	-	-	-	-	
ATR-CON	04-Mar-14	Normal	1.07	0.00047	2.67	<0.00001	20.2	0.761	<0.00005	<0.0001	0.00065	0.000807	0.00034	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	11-Mar-14	Normal	1.26	0.00039	3.02	<0.00001	21.5	0.658	<0.00005	<0.0001	0.00383	0.0009	0.00072	<0.003	-	-	-	-	-	-	-	
	18-Mar-14	Normal	0.919	0.00039	2.26	<0.00001	14.1	0.591	<0.00001	<0.0001	0.00492	0.000643	0.00059	<0.003	-	-	-	-	-	-	-	
	25-Mar-14	Normal	1.16	0.00042	2.58	<0.00001	17.7	0.781	<0.00001	<0.0001	0.0006	0.000802	0.0003	0.0035	-	-	-	-	-	-	-	
ATR-D1	04-Mar-14	Normal	1.11	0.0005	2.38	<0.00001	21.1	0.788	<0.00005	<0.0001	0.00063	0.000763	0.0003	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	10-Mar-14	Normal	2.36	0.00058	9.15	0.000073	19.2	0.938	0.000114	0.0002	0.0445	0.00125	0.0123	0.0443	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	11-Mar-14	Normal	1.29	0.00041	2.54	<0.00001	21.3	0.674	<0.00005	<0.0001	0.00123	0.000803	0.00054	0.0035	-	-	-	-	-	-	-	
		Field Duplicate	1.22	0.00042	2.16	<0.00001	20.5	0.707	<0.00005	<0.0001	0.00225	0.000722	0.00056	<0.003	-	-	-	-	-	-	-	
	18-Mar-14	Normal	1.03	0.00042	2.25	<0.00001	17.3	0.713	<0.00001	<0.0001	0.00119	0.00067	0.00039	<0.003	-	-	-	-	-	-	-	
	25-Mar-14	Normal	1.11	0.00046	2.11	<0.00001	17.2	0.8	<0.00001	<0.0001	0.00064	0.000722	0.0003	0.0047	-	-	-	-	-	-	-	
ATR-FF-5	19-Mar-14	Normal	2.87	0.00022	3.3	<0.00001	23.5	0.362	<0.00001	<0.0001	0.00189	0.000639	0.00052	<0.003	-	-	-	-	-	-	-	
ATR-FF-7	19-Mar-14	Normal	1.96	0.00014	4.6	<0.00001	32.2	0.273	<0.00001	<0.0001	0.00185	0.000404	0.00047	<0.003	-	-	-	-	-	-	-	
ATR-PLC	10-Mar-14	Normal	1.5	0.00042	3.83	0.000019	22.1	0.745	<0.00005	0.0001	0.0119	0.000871	0.00231	0.0092	<0.001	<20	<2	<0.001	<0.001	<5	<1	
ATR-US	04-Mar-14	Normal	1.09	0.00053	2.32	<0.00001	20.2	0.813	<0.00005	<0.0001	0.00053	0.000761	0.00034	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	11-Mar-14	Normal	1.19	0.00043	2.17	<0.00001	20.9	0.699	<0.00005	<0.0001	0.00268	0.000725	0.00057	0.0037	-	-	-	-	-	-	-	
	18-Mar-14	Normal	0.984	0.00045	2.15	<0.00001	16.3	0.715	<0.00001	<0.0001	0.00506	0.000636	0.00051	<0.003	-	-	-	-	-	-	-	
	25-Mar-14	Normal	1.07	0.00046	2.19	<0.00001	14.1	0.801	<0.00001	<0.0001	0.00033	0.000726	0.00026	0.0053	-	-	-	-	-	-	-	
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLC-DS	05-Mar-14	Normal	0.994	0.00015	4.92	<0.00001	17.9	0.4	<0.00005	<0.0001	0.00292	0.0013	0.00052	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	11-Mar-14	Normal	1.23	0.00014	5.52	<0.00001	29.8	0.483	<0.00005	<0.0001	0.00555	0.00166	0.00079	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	12-Mar-14	Normal	1.24	0.00014	5.4	<0.00001	29.4	0.467	<0.00005	<0.0001	0.00472	0.00168	0.00064	0.0036	-	-	-	-	-	-	-	
	19-Mar-14	Normal	0.998	0.00016	4.93	<0.00001	18.4	0.399	<0.00001	<0.0001	0.00366	0.00126	0.00051	<0.003	-	-	-	-	-	-	-	
	26-Mar-14	Normal	0.982	0.00015	4.51	<0.00001	17.2	0.412	<0.00001	<0.0001	0.0021	0.00128	0.00036	0.0214	-	-	-	-	-	-	-	
PLC-DS2	05-Mar-14	Normal	1.15	0.00015	4.86	<0.00001	20.6	0.414	<0.00005	<0.0001	0.00583	0.00132	0.00055	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	11-Mar-14	Normal	1.11	0.00013	4.99	<0.00001	23.3	0.434	<0.00005	<0.0001	0.00327	0.00149	0.00062	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1	
	12-Mar-14	Normal	1.23	0.00013	5.08	<0.00001	28.7	0.462	<0.00005	<0.0001	0.0028	0.00167	0.00057	<0.003	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

Volatile Organic Compounds

			1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Acrolein	Acrylonitrile	Benzene	Toluene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	cis-1,4-Dichloro-2-butene	Dibromomethane	Dichlorodifluoromethane	Dichloromethane	Ethanol	Ethyl methacrylate	Ethylbenzene	Xylene (m & p)		
			µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	mg/L			
MDL			1	2	2	1	1	0.1	10	0.01	0.1	100	100	0.001	0.001	1	3	10	0.001	1	1	3	0.01	1	10	1	1	10	3	3	1	0.3	10	0.001	0.001		
Location	Date	Sample Type																																			
	05-Mar-14	Field Blank	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	19-Mar-14	Trip Blank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
APC	04-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	11-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ATR-CON	04-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ATR-D1	04-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	10-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Field Duplicate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ATR-FF-5	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ATR-FF-7	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ATR-PLC	10-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
ATR-US	04-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLC-DS	05-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	11-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLC-DS2	05-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	11-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Xylene (o)	Iodomethane	Styrene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	trans-1,4-Dichloro-2-butene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
MDL	0.001	1	1	0.001	1	1	1	10	1	100	0.002

Location	Date	Sample Type	Xylene (o)	Iodomethane	Styrene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	trans-1,4-Dichloro-2-butene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
	05-Mar-14	Field Blank	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	19-Mar-14	Trip Blank	-	-	-	-	-	-	-	-	-	-	-
APC	04-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	11-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
ATR-CON	04-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
ATR-D1	04-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	10-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
		Field Duplicate	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
ATR-FF-5	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
ATR-FF-7	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
ATR-PLC	10-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
ATR-US	04-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
ECP Spillway	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
PLC-DS	05-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	11-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
PLC-DS2	05-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	11-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
Water Quality
March 2014

			Aggregate Organics							Anions and Nutrients													
			Hydrocarbons, Recoverable (I.R.)	BOD	Phenols (4AAP)	Alkalinity (T) as CaCO3	Ammonia	Bicarbonate	Carbonate	Chloride	Electrical Conductivity (lab)	Hydroxide	Ionic Balance	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrate + Nitrite-N	Nitrite (as N)	pH (Lab)	Phosphorus	Phosphorus (Filtered)	Sulphate	Sulphide	
			mg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	%	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	
MDL			1	2	1	2	0.05	5	5	0.5	0.0002	5		0.2	0.05	0.07	0.05	0.1	0.001	0.001	0.5	0.002	
	19-Mar-14	Normal	<1	<2	<1	261	<0.05	318	<5	0.57	0.487	<5	96.3	<0.2	0.095	0.095	<0.05	8.04	0.005	0.0051	20.7	<0.002	
	26-Mar-14	Normal	<1	<2	<1	270	<0.05	329	<5	<0.5	0.488	<5	99	<0.2	0.089	0.089	<0.05	8.06	0.0063	0.0015	19	<0.002	
		Field Duplicate	<1	<2	<1	271	<0.05	330	<5	<0.5	0.495	<5	95.5	<0.2	0.09	0.09	<0.05	8.07	0.0067	0.002	19.2	<0.002	
PLC-US	05-Mar-14	Normal	<1	<2	<1	273	<0.05	333	<5	<0.5	0.479	<5	101	<0.2	0.097	0.097	<0.05	7.9	0.0085	0.0039	4.15	<0.002	
	11-Mar-14	Normal	<1	<2	<1	254	<0.05	310	<5	<0.5	0.449	<5	93.9	<0.2	0.097	0.097	<0.05	7.92	0.0174	0.0037	4.09	<0.002	
	12-Mar-14	Normal	<1	<2	<1	252	<0.05	307	<5	<0.5	0.443	<5	95.6	<0.2	0.111	0.111	<0.05	8.02	0.0109	0.0055	3.95	<0.002	
	19-Mar-14	Normal	<1	<2	<1	249	<0.05	304	<5	<0.5	0.429	<5	93.5	<0.2	0.092	0.092	<0.05	7.85	0.0089	0.009	3.61	<0.002	
	26-Mar-14	Normal	<1	<2	<1	252	<0.05	308	<5	<0.5	0.441	<5	97.3	<0.2	0.096	0.096	<0.05	7.9	0.0068	0.0039	3.53	<0.002	
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Hardness as CaCO3	Total Dissolved Solids	Aluminium (Filtered)	Antimony (Filtered)	Arsenic (Filtered)	Barium (Filtered)	Beryllium (Filtered)	Bismuth (Filtered)	Boron (Filtered)	Cadmium (Filtered)	Calcium (Filtered)	Chromium (III+VI) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)	
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL					0.001	0.0001	0.0001	0.00005	0.0005	0.00005	0.01	0.00001	0.5	0.0001	0.0001	0.0001	0.01	0.00005	
	19-Mar-14	Normal	234	279	0.0013	<0.0001	0.00023	0.0768	<0.0005	<0.00005	<0.01	<0.00001	63.9	<0.0001	<0.0001	0.0002	<0.01	<0.00005	
	26-Mar-14	Normal	249	287	0.0015	<0.0001	0.00022	0.0885	<0.0005	<0.00005	<0.01	<0.00001	69.9	<0.0001	<0.0001	0.00019	<0.01	<0.00005	
		Field Duplicate	240	284	0.0014	<0.0001	0.00023	0.0866	<0.0005	<0.00005	<0.01	<0.00001	66.5	<0.0001	<0.0001	0.00018	<0.01	<0.00005	
PLC-US	05-Mar-14	Normal	264	270	0.0014	<0.0001	0.00024	0.0815	<0.0005	<0.00005	<0.01	<0.00001	76.9	<0.0001	<0.0001	0.00028	<0.01	<0.00005	
	11-Mar-14	Normal	228	245	0.0016	<0.0001	0.00021	0.0755	<0.0005	<0.00005	<0.01	<0.00001	64.9	<0.0001	<0.0001	0.00017	0.018	<0.00005	
	12-Mar-14	Normal	231	245	0.0017	<0.0001	0.00023	0.0767	<0.0005	<0.00005	<0.01	<0.00001	65.7	<0.0001	<0.0001	0.00019	0.043	<0.00005	
	19-Mar-14	Normal	223	239	0.0016	<0.0001	0.00026	0.0678	<0.0005	<0.00005	<0.01	<0.00001	62.6	<0.0001	<0.0001	0.00019	0.028	<0.00005	
	26-Mar-14	Normal	236	245	0.0017	<0.0001	0.00023	0.0714	<0.0005	<0.00005	<0.01	<0.00001	66.6	0.00011	<0.0001	0.00012	0.011	<0.00005	
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Obed Mountain Mine
Water Quality
March 2014

Dissolved Metals

			Lithium (Filtered)	Magnesium (Filtered)	Manganese (Filtered)	Molybdenum (Filtered)	Nickel (Filtered)	Phosphorus (Filtered)	Potassium (Filtered)	Selenium (Filtered)	Silicon (Filtered)	Silver (Filtered)	Sodium (Filtered)	Strontium (Filtered)	Thallium (Filtered)	Tin (Filtered)	Titanium (Filtered)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.003	0.1	0.00005	0.00005	0.0001	0.3	0.5	0.0001	0.05	0.00001	1	0.0001	0.00005	0.0001	0.0003
	19-Mar-14	Normal	0.0061	18	0.00313	0.000796	0.00029	<0.3	1.01	0.00015	4.68	<0.00001	17.5	0.372	<0.00005	<0.0001	<0.0003
	26-Mar-14	Normal	0.0066	18.1	0.00225	0.000766	0.00027	<0.3	0.95	0.00016	4.74	<0.00001	16.9	0.385	<0.00005	<0.0001	<0.0003
		Field Duplicate	0.0061	18	0.00225	0.000757	0.00025	<0.3	0.94	0.00015	4.59	<0.00001	16.8	0.384	<0.00005	<0.0001	<0.0003
PLC-US	05-Mar-14	Normal	0.0042	17.5	0.0171	0.000549	0.0003	<0.3	0.95	0.00011	5.7	<0.00001	6.5	0.379	<0.00005	<0.0001	<0.0003
	11-Mar-14	Normal	0.0037	16.1	0.0123	0.000489	0.00034	<0.3	1.04	0.00011	5.21	<0.00001	6.1	0.321	<0.00005	<0.0001	<0.0003
	12-Mar-14	Normal	0.0036	16.2	0.0143	0.000499	0.00033	<0.3	1.12	0.00012	5.18	<0.00001	5.9	0.323	<0.00005	<0.0001	<0.0003
	19-Mar-14	Normal	0.0031	16.2	0.0204	0.00047	0.00027	<0.3	1	0.00012	5.06	<0.00001	5.8	0.309	<0.00005	<0.0001	<0.0003
	26-Mar-14	Normal	0.003	16.9	0.0198	0.000455	0.00029	<0.3	0.81	0.00011	5.1	<0.00001	5.8	0.315	<0.00005	<0.0001	<0.0003
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Inorganic / Inorganic Carbon / Aggregate					Physical Tests																		
			Uranium (Filtered)	Vanadium (Filtered)	Zinc (Filtered)	Dissolved Organic Carbon (Filtered)	TOC	Total Suspended Solids	Turbidity	Colour	Total Dissolved Solids (Filtered)	Total Suspended Solids	Benzo[b+g]fluoranthene	C4 Benzantracenes/Chrysenes	C4 Dibenzothiophenes	C4 Fluoranthenes/Pyrenes	C4 Naphthalenes	C4 Phenanthrenes/Anthracenes	Biphenyl	1+2-Methylnaphthalenes	1-Methylnaphthalene	2-methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	
MDL			0.00001	0.0001	0.001	1	1	1	0.1	2	10	3	0.01	0.04	0.04	0.04	0.04	0.04	0.01	-	0.01	0.01	0.01	0.01	0.01	0.01
	19-Mar-14	Normal	0.00121	0.00013	<0.001	3.2	3.1	-	-	5.6	286	<3	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	26-Mar-14	Normal	0.00109	0.00013	<0.001	3.4	3.2	-	-	6	286	7.2	<0.01	-	<0.04	<0.04	<0.04	<0.04	<0.01	<0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		Field Duplicate	0.00111	0.00013	<0.001	3.5	3.2	-	-	7	288	5.9	<0.01	-	<0.04	<0.04	<0.04	<0.04	<0.01	<0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PLC-US	05-Mar-14	Normal	0.000837	<0.0001	<0.001	4.2	4	-	-	14.8	287	<3	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	11-Mar-14	Normal	0.000809	<0.0001	<0.001	4.2	4.4	-	-	13.7	256	<3	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	12-Mar-14	Normal	0.00082	<0.0001	0.0011	4.4	4.3	-	-	16.5	251	<3	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	19-Mar-14	Normal	0.00078	<0.0001	<0.001	4.3	4.3	-	-	12.6	259	<3	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	26-Mar-14	Normal	0.000711	<0.0001	<0.001	4.4	4.1	-	-	12.1	247	<3	<0.01	-	<0.04	<0.04	<0.04	<0.04	<0.01	<0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Routine 1	01-Mar-14	Normal	-	-	-	-	-	112	52.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	110	32.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	115	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	136	58.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	103	39.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	26	12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	7	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	<2	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	24	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	4	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	19	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	184	44.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	51	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	40	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	20	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	3	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	85	26.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	59	17.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	94	38.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	96	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Mar-14	Normal	-	-	-	-	-	85	15.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	63	19.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	7	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	47	14.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	3	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

Polycyclic Aromatic Hydrocarbons

			Benz(a)anthracene	Benzo(a)pyrene	Acridine	Benzo(e)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1 Acenaphthenes	C1 Benz(a)Anthracenes/Chrysenes	C1 Benzofluoranthenes/Benzopyrenes	C1 Biphenyls	C1 Dibenzothiophenes	Chrysene	C1 Fluoranthenes/Pyrenes	C1 Fluorenes	C1 Phenanthrenes/Anthracenes	Dibenz(a,h)anthracene	Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene	Quinoline	Retene	C2 Benzofluoranthenes/Benzopyrenes	C2 Biphenyls	C2 Dibenzothiophenes	
MDL			0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.01	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	
	19-Mar-14	Normal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	
	26-Mar-14	Normal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.038	<0.04	<0.04	<0.04	
		Field Duplicate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025	<0.04	<0.04	<0.04	
PLC-US	05-Mar-14	Normal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	
	11-Mar-14	Normal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	
	12-Mar-14	Normal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	
	19-Mar-14	Normal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	
	26-Mar-14	Normal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			C2 Fluoranthenes/Pyrenes	C2 Naphthalenes	C2 Phenanthrenes/Anthracenes	C2 Fluorenes	C2 subd B(a)Anthracenes/Chrysenes	C3 Benzantracenes/Chrysenes	C3 Dibenzothiophenes	C3 Fluoranthenes/Pyrenes	C3 Fluorenes	C3 Naphthalenes	C3 Phenanthrenes/Anthracenes	Aluminium	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL			0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.003	0.0001	0.0001	0.00005	0.0001	0.00005	0.01	0.00001	0.02	
	19-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0793	<0.0001	0.0003	0.0956	<0.0001	<0.00005	<0.01	<0.00001	70.1	
	26-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.101	<0.0001	0.00029	0.0948	<0.0001	<0.00005	<0.01	<0.00001	69.6	
		Field Duplicate	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0739	<0.0001	0.0003	0.0927	<0.0001	<0.00005	<0.01	<0.00001	68.5
PLC-US	05-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0112	<0.0001	0.0004	0.0844	<0.0005	<0.00005	<0.01	<0.00001	71	
	11-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0591	<0.0001	0.00043	0.0812	<0.0005	<0.00005	<0.01	<0.00001	75.4	
	12-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0257	<0.0001	0.00039	0.082	<0.0005	<0.00005	<0.01	<0.00001	72.7	
	19-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0196	<0.0001	0.00035	0.0728	<0.0001	<0.00005	<0.01	<0.00001	63.9	
	26-Mar-14	Normal	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.013	<0.0001	0.00037	0.072	<0.0001	<0.00005	<0.01	<0.00001	66.5	
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Total Metals											
			Chromium (III+VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.0001	0.0001	0.0001	0.01	0.00005	0.005	0.005	0.00005	5.0E-7	0.00005	0.0001	0.3
	19-Mar-14	Normal	<0.0001	<0.0001	0.00027	0.136	0.000083	0.0064	19.6	0.00701	8.3E-7	0.000866	0.00034	<0.3
	26-Mar-14	Normal	0.00014	<0.0001	0.0003	0.208	0.000139	0.0052	19.5	0.00805	0.0000013	0.000816	0.00036	<0.3
		Field Duplicate	<0.0001	<0.0001	0.00031	0.22	0.000152	<0.005	17.3	0.00778	0.00000117	0.000829	0.00032	<0.3
PLC-US	05-Mar-14	Normal	<0.0001	<0.0001	0.00024	0.454	<0.00005	<0.005	18.4	0.0423	<5.0E-7	0.000517	0.00025	<0.3
	11-Mar-14	Normal	0.00076	0.00011	0.00032	0.539	0.000063	<0.005	18.2	0.0535	5.8E-7	0.000588	0.00068	<0.3
	12-Mar-14	Normal	<0.0001	<0.0001	0.00029	0.407	<0.00005	<0.005	17.2	0.0446	6.3E-7	0.00054	0.00028	<0.3
	19-Mar-14	Normal	<0.0001	<0.0001	0.00027	0.344	<0.00005	<0.005	16.5	0.0393	7.8E-7	0.000426	0.0003	<0.3
	26-Mar-14	Normal	<0.0001	<0.0001	0.00013	0.356	<0.00005	<0.005	15.8	0.0357	<5.0E-7	0.000425	0.00024	<0.3
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dibromoethane
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
MDL			0.05	0.0001	0.05	0.00001	0.05	0.0001	0.00001	0.0001	0.0003	0.00001	0.0001	0.003	0.001	20	2	0.001	0.001	5	1
	19-Mar-14	Normal	1	0.00016	4.93	<0.00001	17.9	0.396	<0.00001	<0.0001	0.00118	0.00125	0.00038	<0.003	-	-	-	-	-	-	-
	26-Mar-14	Normal	1.02	0.00013	4.69	<0.00001	18	0.41	<0.00001	<0.0001	0.00264	0.00131	0.00036	<0.003	-	-	-	-	-	-	-
		Field Duplicate	0.989	0.00015	4.63	<0.00001	17.2	0.408	<0.00001	<0.0001	0.00155	0.00128	0.00038	0.0072	-	-	-	-	-	-	-
PLC-US	05-Mar-14	Normal	0.938	0.00012	5.53	<0.00001	6.64	0.349	<0.00005	<0.0001	<0.0003	0.000928	0.00028	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1
	11-Mar-14	Normal	1.04	0.00013	5.39	<0.00001	6.71	0.35	<0.00005	<0.0001	0.00159	0.000883	0.00051	<0.003	<0.001	<20	<2	<0.001	<0.001	<5	<1
	12-Mar-14	Normal	1.14	0.00015	5.29	<0.00001	6.57	0.346	<0.00005	<0.0001	0.00052	0.000914	0.00041	<0.003	-	-	-	-	-	-	-
	19-Mar-14	Normal	0.99	0.00011	5.07	<0.00001	5.56	0.313	<0.00001	0.00011	0.00036	0.000668	0.00019	<0.003	-	-	-	-	-	-	-
	26-Mar-14	Normal	0.819	0.00012	5.27	<0.00001	5.37	0.31	<0.00001	<0.0001	0.00034	0.000777	0.00014	<0.003	-	-	-	-	-	-	-
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

Volatile Organic Compounds

			1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Acrolein	Acrylonitrile	Benzene	Toluene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	cis-1,4-Dichloro-2-butene	Dibromomethane	Dichlorodifluoromethane	Dichloromethane	Ethanol	Ethyl methacrylate	Ethylbenzene	Xylene (m & p)		
MDL			1	2	2	1	1	0.1	10	0.01	0.1	100	100	0.001	0.001	1	3	10	0.001	1	1	3	0.01	1	10	1	1	10	3	3	1	0.3	10	0.001	0.001		
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Field Duplicate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLC-US	05-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	11-Mar-14	Normal	<1	<2	<2	<1	<1	<0.1	<10	<0.01	<0.1	<100	<100	<0.001	<0.001	<1	<3	<10	<0.001	<1	<1	<3	<0.01	<1	<10	<1	<1	<10	<3	<3	<1	<0.3	<10	<0.001	<0.001		
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Xylene (o)	lodomethane	Styrene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	trans-1,4-Dichloro-2-butene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
MDL			0.001	1	1	0.001	1	1	1	10	1	100	0.002
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
		Field Duplicate	-	-	-	-	-	-	-	-	-	-	-
PLC-US	05-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	11-Mar-14	Normal	<0.001	<1	<1	<0.001	<1	<1	<1	<10	<1	<100	<0.002
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
Routine 1	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Aggregate Organics								Anions and Nutrients											
			Hydrocarbons, Recoverable (I.R.)	BOD	Phenols (4AAP)	Alkalinity (T) as CaCO3	Ammonia	Bicarbonate	Carbonate	Chloride	Electrical Conductivity (lab)	Hydroxide	Ionic Balance	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrate + Nitrite-N	Nitrite (as N)	pH (Lab)	Phosphorus	Phosphorus (Filtered)	Sulphate	Sulphide
			mg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	%	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L
MDL			1	2	1	2	0.05	5	5	0.5	0.0002	5		0.2	0.05	0.07	0.05	0.1	0.001	0.001	0.5	0.002
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
Water Quality
March 2014

			Hardness as CaCO3	Total Dissolved Solids	Aluminium (Filtered)	Antimony (Filtered)	Arsenic (Filtered)	Barium (Filtered)	Beryllium (Filtered)	Bismuth (Filtered)	Boron (Filtered)	Cadmium (Filtered)	Calcium (Filtered)	Chromium (III+VI) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)			
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
MDL					0.001	0.0001	0.0001	0.00005	0.0005	0.00005	0.01	0.00001	0.5	0.0001	0.0001	0.0001	0.01	0.00005			
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

Dissolved Metals

			Lithium (Filtered)	Magnesium (Filtered)	Manganese (Filtered)	Molybdenum (Filtered)	Nickel (Filtered)	Phosphorus (Filtered)	Potassium (Filtered)	Selenium (Filtered)	Silicon (Filtered)	Silver (Filtered)	Sodium (Filtered)	Strontium (Filtered)	Thallium (Filtered)	Tin (Filtered)	Titanium (Filtered)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.003	0.1	0.00005	0.00005	0.0001	0.3	0.5	0.0001	0.05	0.00001	1	0.0001	0.00005	0.0001	0.0003
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Inorganic / Inorganic Carbon / Aggregate					Physical Tests																	
			Uranium (Filtered)	Vanadium (Filtered)	Zinc (Filtered)	Dissolved Organic Carbon (Filtered)	TOC	Total Suspended Solids	Turbidity	Colour	Total Dissolved Solids (Filtered)	Total Suspended Solids	Benzo[b+j]fluoranthene	C4 Benzantracenes/Chrysenes	C4 Dibenzothiophenes	C4 Fluoranthenes/Pyrenes	C4 Naphthalenes	C4 Phenanthrenes/Anthracenes	Biphenyl	1+2-Methylnaphthalenes	1-Methylnaphthalene	2-methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene
			mg/L	mg/L	mg/L	mg/L	mg/L	NTU	Colour units	mg/L	mg/L	µg/L	ug/L	ug/L	ug/L	ug/L	ug/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MDL			0.00001	0.0001	0.001	1	1	1	0.1	2	10	3	0.01	0.04	0.04	0.04	0.04	0.04	0.01		0.01	0.01	0.01	0.01	0.01
Routine 2	27-Mar-14	Normal	-	-	-	-	-	2	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	<1	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	<1	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	<3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	<3	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01-Mar-14	Normal	-	-	-	-	-	115	53.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	104	36.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	99	42.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	113	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	132	78.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	20	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	10	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	26	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	9	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	9	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	25	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	14	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	8	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	6	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	23	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	6	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	80	23.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	87	33.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	123	46.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	97	34.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	84	20.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	122	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	58	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	32	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	58	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	9	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	10	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	11	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	9	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
 Water Quality
 March 2014

Polycyclic Aromatic Hydrocarbons

			Benz(a)anthracene	Benzo(a)pyrene	Acridine	Benzo(e)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1 Acenaphthenes	C1 Benz(a)Anthracenes/Chrysenes	C1 Benzofluoranthenes/Benzopyrenes	C1 Biphenyls	C1 Dibenzothiophenes	Chrysene	C1 Fluoranthenes/Pyrenes	C1 Fluorenes	C1 Phenanthrenes/Anthracenes	Dibenz(a,h)anthracene	Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene	Quinoline	Retene	C2 Benzofluoranthenes/Benzopyrenes	C2 Biphenyls	C2 Dibenzothiophenes	
MDL			0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.01	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			C2 Fluoranthenes/Pyrenes	C2 Naphthalenes	C2 Phenanthrenes/Anthracenes	C2 Fluorenes	C2 subd B(a)Anthracenes/Chrysenes	C3 Benzantracenes/Chrysenes	C3 Dibenzothiophenes	C3 Fluoranthenes/Pyrenes	C3 Fluorenes	C3 Naphthalenes	C3 Phenanthrenes/Anthracenes	Aluminium	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL			0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.003	0.0001	0.0001	0.00005	0.0001	0.00005	0.01	0.00001	0.02	
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Total Metals											
			Chromium (III+VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.0001	0.0001	0.0001	0.01	0.00005	0.005	0.005	0.00005	5.0E-7	0.00005	0.0001	0.3
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dibromoethane
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
MDL			0.05	0.0001	0.05	0.00001	0.05	0.0001	0.00001	0.0001	0.0003	0.00001	0.0001	0.003	0.001	20	2	0.001	0.001	5	1
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

Volatile Organic Compounds

			1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Acrolein	Acrylonitrile	Benzene	Toluene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	cis-1,4-Dichloro-2-butene	Dibromomethane	Dichlorodifluoromethane	Dichloromethane	Ethanol	Ethyl methacrylate	Ethylbenzene	Xylene (m & p)			
MDL			1	2	2	1	1	0.1	10	0.01	0.1	100	100	0.001	0.001	1	3	10	0.001	1	1	3	0.01	1	10	1	1	10	3	3	1	0.3	10	0.001	0.001			
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

			Xylene (o)	Iodomethane	Styrene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	trans-1,4-Dichloro-2-butene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
MDL			0.001	1	1	0.001	1	1	1	10	1	100	0.002
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
Routine 2	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Aggregate Organics								Anions and Nutrients												
			Hydrocarbons, Recoverable (I.R.)	BOD	Phenols (4AAP)	Alkalinity (T) as CaCO3	Ammonia	Bicarbonate	Carbonate	Chloride	Electrical Conductivity (lab)	Hydroxide	Ionic Balance	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrate + Nitrite-N	Nitrite (as N)	pH (Lab)	Phosphorus	Phosphorus (Filtered)	Sulphate	Sulphide	
			mg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	%	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	
MDL			1	2	1	2	0.05	5	5	0.5	0.0002	5		0.2	0.05	0.07	0.05	0.1	0.001	0.001	0.5	0.002	
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Hardness as CaCO3	Total Dissolved Solids	Aluminium (Filtered)	Antimony (Filtered)	Arsenic (Filtered)	Barium (Filtered)	Beryllium (Filtered)	Bismuth (Filtered)	Boron (Filtered)	Cadmium (Filtered)	Calcium (Filtered)	Chromium (III+VI) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)		
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MDL					0.001	0.0001	0.0001	0.00005	0.0005	0.00005	0.01	0.00001	0.5	0.0001	0.0001	0.0001	0.01	0.00005		
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

Dissolved Metals

			Lithium (Filtered)	Magnesium (Filtered)	Manganese (Filtered)	Molybdenum (Filtered)	Nickel (Filtered)	Phosphorus (Filtered)	Potassium (Filtered)	Selenium (Filtered)	Silicon (Filtered)	Silver (Filtered)	Sodium (Filtered)	Strontium (Filtered)	Thallium (Filtered)	Tin (Filtered)	Titanium (Filtered)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.003	0.1	0.00005	0.00005	0.0001	0.3	0.5	0.0001	0.05	0.00001	1	0.0001	0.00005	0.0001	0.0003
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Inorganic / Inorganic Carbon / Aggregate					Physical Tests																		
			Uranium (Filtered)	Vanadium (Filtered)	Zinc (Filtered)	Dissolved Organic Carbon (Filtered)	TOC	Total Suspended Solids	Turbidity	Colour	Total Dissolved Solids (Filtered)	Total Suspended Solids	Benzo[b+j]fluoranthene	C4 Benzantracenes/Chrysenes	C4 Dibenzothiophenes	C4 Fluoranthenes/Pyrenes	C4 Naphthalenes	C4 Phenanthrenes/Anthracenes	Biphenyl	1+2-Methylnaphthalenes	1-Methylnaphthalene	2-methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	
MDL			0.00001	0.0001	0.001	1	1	1	0.1	2	10	3	0.01	0.04	0.04	0.04	0.04	0.04	0.01		0.01	0.01	0.01	0.01	0.01	0.01
Routine C	30-Mar-14	Normal	-	-	-	-	-	9	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	31-Mar-14	Normal	-	-	-	-	-	7	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-Mar-14	Normal	-	-	-	-	-	104	56.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	159	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	122	70.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	146	105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	138	79.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	23	12.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	8	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09-Mar-14	Normal	-	-	-	-	-	7	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-Mar-14	Normal	-	-	-	-	-	<2	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11-Mar-14	Normal	-	-	-	-	-	3	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12-Mar-14	Normal	-	-	-	-	-	20	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13-Mar-14	Normal	-	-	-	-	-	48	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14-Mar-14	Normal	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15-Mar-14	Normal	-	-	-	-	-	<1	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16-Mar-14	Normal	-	-	-	-	-	4	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	17-Mar-14	Normal	-	-	-	-	-	5	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18-Mar-14	Normal	-	-	-	-	-	168	36.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	19-Mar-14	Normal	-	-	-	-	-	111	46.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	20-Mar-14	Normal	-	-	-	-	-	100	28.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21-Mar-14	Normal	-	-	-	-	-	115	31.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	22-Mar-14	Normal	-	-	-	-	-	111	22.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	23-Mar-14	Normal	-	-	-	-	-	75	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24-Mar-14	Normal	-	-	-	-	-	66	27.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	25-Mar-14	Normal	-	-	-	-	-	10	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26-Mar-14	Normal	-	-	-	-	-	9	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	27-Mar-14	Normal	-	-	-	-	-	6	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	28-Mar-14	Normal	-	-	-	-	-	4	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	29-Mar-14	Normal	-	-	-	-	-	60	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30-Mar-14	Normal	-	-	-	-	-	<1	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31-Mar-14	Normal	-	-	-	-	-	<1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Obed Mountain Mine
Water Quality
March 2014

Polycyclic Aromatic Hydrocarbons

			Benz(a)anthracene	Benzo(a)pyrene	Acridine	Benzo(e)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1 Acenaphthenes	C1 Benz(a)Anthracenes/Chrysenes	C1 Benzofluoranthenes/Benzopyrenes	C1 Biphenyls	C1 Dibenzothiophenes	Chrysene	C1 Fluoranthenes/Pyrenes	C1 Fluorenes	C1 Phenanthrenes/Anthracenes	Dibenz(a,h)anthracene	Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene	Quinoline	Retene	C2 Benzofluoranthenes/Benzopyrenes	C2 Biphenyls	C2 Dibenzothiophenes	
MDL			0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.01	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			C2 Fluoranthenes/Pyrenes	C2 Naphthalenes	C2 Phenanthrenes/Anthracenes	C2 Fluorenes	C2 subd B(a)Anthracenes/Chrysenes	C3 Benzantracenes/Chrysenes	C3 Dibenzothiophenes	C3 Fluoranthenes/Pyrenes	C3 Fluorenes	C3 Naphthalenes	C3 Phenanthrenes/Anthracenes	Aluminium	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	
MDL			0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.003	0.0001	0.0001	0.00005	0.0001	0.00005	0.01	0.00001	0.02	
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Total Metals											
			Chromium (III+VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.0001	0.0001	0.0001	0.01	0.00005	0.005	0.005	0.00005	5.0E-7	0.00005	0.0001	0.3
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

			Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dibromoethane
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
MDL			0.05	0.0001	0.05	0.00001	0.05	0.0001	0.00001	0.0001	0.0003	0.00001	0.0001	0.003	0.001	20	2	0.001	0.001	5	1
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
Water Quality
March 2014

Volatile Organic Compounds

			1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Acrolein	Acrylonitrile	Benzene	Toluene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	cis-1,4-Dichloro-2-butene	Dibromomethane	Dichlorodifluoromethane	Dichloromethane	Ethanol	Ethyl methacrylate	Ethylbenzene	Xylene (m & p)			
MDL			1	2	2	1	1	0.1	10	0.01	0.1	100	100	0.001	0.001	1	3	10	0.001	1	1	3	0.01	1	10	1	1	10	3	3	1	0.3	10	0.001	0.001			
Routine C	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

			Xylene (o)	Iodomethane	Styrene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	trans-1,4-Dichloro-2-butene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
MDL			0.001	1	1	0.001	1	1	1	10	1	100	0.002
	30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
Routine C	01-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	02-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	04-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	05-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	06-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	07-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	09-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	10-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	11-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	12-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	13-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	14-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	15-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	16-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	17-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	18-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	19-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	20-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
	21-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-
22-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
23-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
24-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
25-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
26-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
27-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
28-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
29-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
30-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	
31-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	

Obed Mountain Mine
 Water Quality
 March 2014

Aggregate Organics			Anions and Nutrients																	
Hydrocarbons, Recoverable (I.R.)	BOD	Phenols (4AAP)	Alkalinity (T) as CaCO3	Ammonia	Bicarbonate	Carbonate	Chloride	Electrical Conductivity (lab)	Hydroxide	Ionic Balance	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrate + Nitrite-N	Nitrite (as N)	pH (Lab)	Phosphorus	Phosphorus (Filtered)	Sulphate	Sulphide	
mg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mS/cm	mg/L	%	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	
MDL	1	2	1	2	0.05	5	5	0.5	0.0002	5		0.2	0.05	0.07	0.05	0.1	0.001	0.001	0.5	0.002
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
 Water Quality
 March 2014

			Hardness as CaCO3	Total Dissolved Solids	Aluminium (Filtered)	Antimony (Filtered)	Arsenic (Filtered)	Barium (Filtered)	Beryllium (Filtered)	Bismuth (Filtered)	Boron (Filtered)	Cadmium (Filtered)	Calcium (Filtered)	Chromium (III+VI) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL					0.001	0.0001	0.0001	0.00005	0.0005	0.00005	0.01	0.00001	0.5	0.0001	0.0001	0.0001	0.01	0.00005
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
 Water Quality
 March 2014

Dissolved Metals

			Lithium (Filtered)	Magnesium (Filtered)	Manganese (Filtered)	Molybdenum (Filtered)	Nickel (Filtered)	Phosphorus (Filtered)	Potassium (Filtered)	Selenium (Filtered)	Silicon (Filtered)	Silver (Filtered)	Sodium (Filtered)	Strontium (Filtered)	Thallium (Filtered)	Tin (Filtered)	Titanium (Filtered)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.003	0.1	0.00005	0.00005	0.0001	0.3	0.5	0.0001	0.05	0.00001	1	0.0001	0.00005	0.0001	0.0003
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
Water Quality
March 2014

			Inorganic / Inorganic Carbon / Aggregate					Physical Tests																		
			Uranium (Filtered)	Vanadium (Filtered)	Zinc (Filtered)	Dissolved Organic Carbon (Filtered)	TOC	Total Suspended Solids	Turbidity	Colour	Total Dissolved Solids (Filtered)	Total Suspended Solids	Benzo[b+j]fluoranthene	C4 Benzantracenes/Chrysenes	C4 Dibenzothiophenes	C4 Fluoranthenes/Pyrenes	C4 Naphthalenes	C4 Phenanthrenes/Anthracenes	Biphenyl	1+2-Methylnaphthalenes	1-Methylnaphthalene	2-methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	
			mg/L	mg/L	mg/L	mg/L	mg/L	NTU	Colour units	mg/L	mg/L	µg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MDL			0.00001	0.0001	0.001	1	1	1	0.1	2	10	3	0.01	0.04	0.04	0.04	0.04	0.04	0.01		0.01	0.01	0.01	0.01	0.01	0.01
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	109	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Polycyclic Aromatic Hydrocarbons

			Benz(a)anthracene	Benzo(a)pyrene	Acridine	Benzo(e)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1 Acenaphthenes	C1 Benz(a)Anthracenes/Chrysenes	C1 Benzofluoranthenes/Benzopyrenes	C1 Biphenyls	C1 Dibenzothiophenes	Chrysene	C1 Fluoranthenes/Pyrenes	C1 Fluorenes	C1 Phenanthrenes/Anthracenes	Dibenz(a,h)anthracene	Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene	Quinoline	Retene	C2 Benzofluoranthenes/Benzopyrenes	C2 Biphenyls	C2 Dibenzothiophenes
MDL			0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.01	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
 Water Quality
 March 2014

			C2 Fluoranthenes/Pyrenes	C2 Naphthalenes	C2 Phenanthrenes/Anthracenes	C2 Fluorenes	C2 subd B(a)Anthracenes/Chrysenes	C3 Benzantracenes/Chrysenes	C3 Dibenzothiophenes	C3 Fluoranthenes/Pyrenes	C3 Fluorenes	C3 Naphthalenes	C3 Phenanthrenes/Anthracenes	Aluminium	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.003	0.0001	0.0001	0.00005	0.0001	0.00005	0.01	0.00001	0.02
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
 Water Quality
 March 2014

			Total Metals											
			Chromium (III+VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL			0.0001	0.0001	0.0001	0.01	0.00005	0.005	0.005	0.00005	5.0E-7	0.00005	0.0001	0.3
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-

Obed Mountain Mine
Water Quality
March 2014

			Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	1,1,1-trichloroethane	1,1,1,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dibromoethane
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
MDL			0.05	0.0001	0.05	0.00001	0.05	0.0001	0.00001	0.0001	0.0003	0.00001	0.0001	0.003	0.001	20	2	0.001	0.001	5	1
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Volatile Organic Compounds

			1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Acrolein	Acrylonitrile	Benzene	Toluene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	cis-1,4-Dichloro-2-butene	Dibromomethane	Dichlorodifluoromethane	Dichloromethane	Ethanol	Ethyl methacrylate	Ethylbenzene	Xylene (m & p)	
MDL			1	2	2	1	1	0.1	10	0.01	0.1	100	100	0.001	0.001	1	3	10	0.001	1	1	3	0.01	1	10	1	1	10	3	3	1	0.3	10	0.001	0.001	
VIS of ECP	08-Mar-14	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Xylene (o)	lodomethane	Styrene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	trans-1,4-Dichloro-2-butene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
MDL			mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
VIS of ECP	08-Mar-14	Normal	0.001	1	1	0.001	1	1	1	10	1	100	0.002
			-	-	-	-	-	-	-	-	-	-	-