

## **APPENDIX C – METALS AND NUTRIENT DATA**

Table C-1. Surface water metals data for the Bitterroot River lower segment (MT76H001\_030).....C-3

Table C-2. Surface water metals data for various tributaries and the Bitterroot River middle segment (MT76H001\_020) .....C-4

Table C-3. Recent sediment metals data for the Bitterroot River lower segment (MT76H001\_030) and related samples.....C-5

Table C-4. Surface water metals data for the Lick Creek and related samples .....C-5

Table C-5. Sediment metals data for Lick Creek and related samples.....C-6

Table C-6. Surface Water Nutrient Data for the Bitterroot Project Area Nutrient data .....C-6



## C1.0 METALS DATA

Table C-1. Surface water metals data for the Bitterroot River lower segment (MT76H001\_030)

Waterbody	Site ID	Sample Date	Org.	Hardness (mg/L)	Flow (cfs)	pH	Al (D)	As (T)	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (T)	Pb (TR)	Hg (T)	Ni (TR)	Se (TR)	Ag (TR)	Zn (TR)
Bitterroot River (030)	12352500	3/16/2004	USGS	47.8	1,060	8.2	--	<2	--	0.033	<0.8	13.7	--	0.97	--	--	0.56	--	--	2
Bitterroot River (030)	12352500	6/24/2004	USGS	23.9	4,340	7.6	--	<2	--	<0.04	<0.8	1	--	0.14	--	--	0.21	--	--	1
Bitterroot River (030)	C05BITTR01	7/27/2004	DEQ	77.031	750	6.97	--	--	<1	<0.1	<1	1	90	--	2	--	<10	<1	<1	1
Bitterroot River (030)	CFRPO-19	1/18/2005	TSWQC	65.4	--	7.57	--	--	<1	<0.1	--	<1	--	--	<1	--	--	--	--	1.5
Bitterroot River (030)	CFRPO-19	2/15/2005	TSWQC	54.2	--	8.42	--	--	2	<0.1	--	2	--	--	<1	--	--	--	--	<0.5
Bitterroot River (030)	CFRPO-19	3/15/2005	TSWQC	50.7	--	8.3	--	--	<1	<0.1	--	<1	--	--	<1	--	--	--	--	<0.5
Bitterroot River (030)	CFRPO-19	4/13/2005	TSWQC	47.4	--	8.41	--	--	<1	<0.1	--	1	--	--	<1	--	--	--	--	<0.5
Bitterroot River (030)	12352500	4/20/2005	USGS	41.8	1,350	8	--	<2	--	<0.04	<0.8	1	--	0.25	--	--	0.44	--	--	2
Bitterroot River (030)	CFRPO-19	5/16/2005	TSWQC	24.2	--	7.42	--	--	2	--	--	2	--	--	--	--	--	--	--	4.7
Bitterroot River (030)	CFRPO-19	6/22/2005	TSWQC	28.6	--	8.43	--	--	1	--	--	1	--	--	--	--	--	--	--	1.8
Bitterroot River (030)	12352500	6/22/2005	USGS	25.3	4,860	7.9	--	<2	--	<0.04	<0.8	1	--	0.25	--	--	0.25	--	--	2
Bitterroot River (030)	CFRPO-19	7/19/2005	TSWQC	73	--	8.9	--	--	<1	<0.08	--	1	--	--	<0.5	--	--	--	--	0.9
Bitterroot River (030)	C05BITTR01	8/3/2005	DEQ	90.9	600	7.58	--	--	2	<0.08	<1	<1	110	--	<0.5	--	<10	<1	<1	<1
Bitterroot River (030)	CFRPO-19	8/16/2005	TSWQC	85.1	--	9.31	--	--	1	<0.08	--	2	--	--	<0.5	--	--	--	--	0.7
Bitterroot River (030)	CFRPO-19	9/13/2005	TSWQC	82.8	--	9.26	--	--	<1	<0.08	--	2	--	--	<0.5	--	--	--	--	1.1
Bitterroot River (030)	CFRPO-19	10/13/2005	TSWQC	82.4	--	--	--	--	<1	<0.08	--	<1	--	--	<0.5	--	--	--	--	<0.5
Bitterroot River (030)	CFRPO-19	11/15/2005	TSWQC	69.4	--	--	--	--	<1	<0.08	--	<1	--	--	<0.5	--	--	--	--	<0.5
Bitterroot River (030)	CFRPO-19	12/13/2005	TSWQC	70.8	--	--	--	--	<1	<0.08	--	<1	--	--	<0.5	--	--	--	--	<0.5
Bitterroot River (030)	12352500	4/6/2006	USGS	39.9	2,200	7.8	--	0.63	--	<0.04	--	1.9	1,020	0.88	--	--	--	--	--	4
Bitterroot River (030)	12352500	4/20/2006	USGS	35.1	3,320	7.7	--	0.44	--	<0.04	--	1.1	351	0.27	--	--	--	--	--	1
Bitterroot River (030)	12352500	5/3/2006	USGS	23.9	5,930	7.8	--	0.48	--	<0.04	--	1.3	553	0.49	--	--	--	--	--	3
Bitterroot River (030)	12352500	5/17/2006	USGS	15.7	10,500	7.4	--	0.62	--	0.031	--	4	2,010	1.89	--	--	--	--	--	8
Bitterroot River (030)	12352500	5/24/2006	USGS	16.3	13,800	7.4	--	0.42	--	<0.04	--	2.1	741	0.74	--	--	--	--	--	3
Bitterroot River (030)	12352500	6/1/2006	USGS	25	6,260	7.6	--	0.43	--	<0.04	--	1.4	405	0.36	--	--	--	--	--	2
Bitterroot River (030)	12352500	6/14/2006	USGS	18.8	8,450	7.5	--	0.38	--	<0.04	0.45	1.1	355	0.32	--	--	0.39	--	--	3
Bitterroot River (030)	12352500	6/20/2006	USGS	24.9	5,000	7.7	--	0.4	--	<0.04	--	0.9	238	0.21	--	--	--	--	--	1
Bitterroot River (030)	12352500	6/27/2006	USGS	27.5	3,290	7.7	--	0.36	--	<0.04	--	0.9	133	0.12	--	--	--	--	--	<2
Bitterroot River (030)	12352500	9/27/2006	USGS	69.6	670	7.8	--	0.55	--	<0.04	--	0.7	73.5	0.05	--	--	--	--	--	<2
Bitterroot River (030)	12352500	10/18/2006	USGS	78	657	8.2	--	0.58	--	<0.018	--	1	63.1	<0.06	--	--	--	--	--	<2
Bitterroot River (030)	12352500	3/22/2007	USGS	29.5	2,760	6.6	--	0.29	--	0.013	<0.6	0.9	--	0.16	--	--	0.27	--	--	1
Bitterroot River (030)	12352500	4/10/2007	USGS	28.4	2,860	7.7	--	0.31	--	0.01	--	0.93	359	0.3	--	--	--	--	--	1.6
Bitterroot River (030)	12352500	4/24/2007	USGS	34.7	2,150	7.6	--	0.31	--	0.01	--	0.83	196	0.16	--	--	--	--	--	1.1
Bitterroot River (030)	12352500	5/4/2007	USGS	18.3	7,800	7.6	--	0.39	--	0.01	--	1.6	785	0.7	--	--	--	--	--	3.3
Bitterroot River (030)	12352500	5/15/2007	USGS	19.2	7,760	7.5	--	0.32	--	0.01	--	1.3	442	0.42	--	--	--	--	--	2.9
Bitterroot River (030)	12352500	5/23/2007	USGS	24.5	6,600	7.5	--	0.34	--	<0.018	--	0.92	304	0.25	--	--	--	--	--	2
Bitterroot River (030)	12352500	6/1/2007	USGS	24.3	5,130	7.6	--	0.32	--	<0.018	--	0.67	214	0.16	--	--	--	--	--	1.2
Bitterroot River (030)	12352500	6/13/2007	USGS	27	5,580	7.8	--	0.42	--	<0.018	<0.6	1.2	290	0.22	--	--	0.26	--	--	2.4
Bitterroot River (030)	12352500	6/20/2007	USGS	32.9	3,480	7.6	--	0.37	--	0.01	--	1	191	0.15	--	--	--	--	--	2.1
Bitterroot River (030)	12352500	6/27/2007	USGS	37.1	2,150	7.8	--	0.44	--	<0.018	--	0.62	121	0.08	--	--	--	--	--	1.1
Bitterroot River (030)	12352500	3/10/2008	USGS	65.4	833	8.2	--	0.45	--	<0.014	--	<1.2	124	0.12	--	--	--	--	--	<2
Bitterroot River (030)	12352500	3/25/2008	USGS	61.2	889	7.6	--	0.45	--	<0.014	--	<1.2	184	0.2	--	--	--	--	--	<2
Bitterroot River (030)	12352500	4/1/2008	USGS	63.5	833	7.8	--	0.43	--	<0.014	--	0.7	133	0.07	--	--	--	--	--	<2
Bitterroot River (030)	12352500	4/9/2008	USGS	60.4	786	7.9	--	0.46	--	0.007	--	<1.2	148	0.12	--	--	--	--	--	<2
Bitterroot River (030)	12352500	4/17/2008	USGS	35.4	1,920	7.7	--	0.54	--	0.017	--	1.4	565	0.51	--	--	--	--	--	2.8
Bitterroot River (030)	12352500	4/23/2008	USGS	39.7	1,700	7.4	--	0.4	--	<0.014	--	0.81	286	0.25	--	--	--	--	--	1.5

**Table C-1. Surface water metals data for the Bitterroot River lower segment (MT76H001\_030)**

Waterbody	Site ID	Sample Date	Org.	Hardness (mg/L)	Flow (cfs)	pH	Al (D)	As (T)	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (T)	Pb (TR)	Hg (T)	Ni (TR)	Se (TR)	Ag (TR)	Zn (TR)
Bitterroot River (030)	12352500	4/30/2008	USGS	34.6	2,580	7.8	--	0.57	--	0.01	--	1.6	794	0.65	--	--	--	--	--	3.6
Bitterroot River (030)	12352500	5/6/2008	USGS	28	3,560	7.6	--	0.59	--	0.011	--	1.6	848	0.77	--	--	--	--	--	4.2
Bitterroot River (030)	12352500	5/13/2008	USGS	27.4	4,040	7.9	--	0.4	--	<0.014	--	0.94	308	0.3	--	--	--	--	--	2.2
Bitterroot River (030)	12352500	5/20/2008	USGS	15.4	17,200	7.2	--	0.7	--	0.025	--	4.7	1,960	1.89	--	--	--	--	--	8.7
Bitterroot River (030)	12352500	5/24/2008	USGS	21.1	12,400	7.5	--	0.47	--	0.016	--	2.7	635	0.73	--	--	--	--	--	3.8
Bitterroot River (030)	12352500	6/3/2008	USGS	17.8	12,600	7.4	--	0.55	--	<0.014	0.67	1.8	693	0.74	--	--	0.58	--	--	5.1
Bitterroot River (030)	12352500	6/11/2008	USGS	23.1	8,540	7.7	--	0.48	--	<0.014	--	1.2	435	0.38	--	--	--	--	--	2
Bitterroot River (030)	12352500	6/25/2008	USGS	19.8	12,000	7.5	--	0.42	--	0.012	--	1.1	486	0.43	--	--	--	--	--	2.1
Bitterroot River (030)	12352500	3/3/2009	USGS	58.7	1,000	7.8	--	0.41	--	<0.06	<0.4	<4	129	0.12	--	--	0.14	--	--	<2
Bitterroot River (030)	12352500	3/17/2009	USGS	58.7	1,020	7.6	--	0.37	--	<0.06	--	<4	116	0.19	--	--	--	--	--	4.3
Bitterroot River (030)	12352500	3/26/2009	USGS	45.4	1,300	8.1	--	0.34	--	<0.06	--	--	159	0.15	--	--	--	--	--	<2
Bitterroot River (030)	12352500	4/1/2009	USGS	49.1	1,210	7.7	--	0.33	--	<0.06	--	<4	140	0.09	--	--	--	--	--	9
Bitterroot River (030)	12352500	4/15/2009	USGS	36.3	2,700	7.8	--	0.4	--	<0.06	--	--	456	0.35	--	--	--	--	--	6.7
Bitterroot River (030)	12352500	4/22/2009	USGS	27	4,540	7.5	--	0.66	--	<0.06	--	2.4	1,650	1.32	--	--	--	--	--	5.8
Bitterroot River (030)	12352500	5/5/2009	USGS	32.2	3,490	7.8	--	0.32	--	0.037	--	--	338	0.36	--	--	--	--	--	2.8
Bitterroot River (030)	12352500	5/12/2009	USGS	28.9	4,560	7.7	--	0.38	--	<0.06	--	--	286	0.31	--	--	--	--	--	2
Bitterroot River (030)	12352500	5/19/2009	USGS	18.4	9,260	7.5	--	0.83	--	<0.06	--	3.9	2,310	2.37	--	--	--	--	--	9.9
Bitterroot River (030)	12352500	5/27/2009	USGS	18.8	15,900	7.5	--	0.51	--	<0.06	--	2.2	785	0.93	--	--	--	--	--	3.6
Bitterroot River (030)	12352500	6/1/2009	USGS	17.1	17,800	7.4	--	0.47	--	<0.06	--	2	780	0.88	--	--	--	--	--	3.8
Bitterroot River (030)	12352500	6/9/2009	USGS	23	9,260	7.6	--	0.44	--	<0.06	--	--	543	0.6	--	--	--	--	--	3
Bitterroot River (030)	12352500	6/16/2009	USGS	19.2	9,310	7.6	--	0.37	--	<0.06	--	--	572	0.58	--	--	--	--	--	2.7
Bitterroot River (030)	12352500	6/24/2009	USGS	26.5	6,720	7.7	--	0.5	--	<0.06	0.32	--	283	0.26	--	--	0.39	--	--	2.6
Bitterroot River (030)	C05BITTR01	6/6/2012	DEQ	20	--	7.9	40	--	<3	<0.08	< 1	1	520	--	0.5	<0.005	--	<1	<0.5	<10
Bitterroot River (030)	C05BITTR01	8/24/2012	DEQ	76	--	8.63	<30	--	<3	<0.08	< 1	1	50	--	<0.5	<0.005	--	<1	<0.5	<10
Bitterroot River (030)	C05BITTR25	9/21/2012	DEQ	88	623	8.57	<30	--	<3	<0.08	<1	<1	<50	--	<0.5	<0.005	--	<1	<0.5	<10

Metals are in micrograms per liter (µg/L)  
D = dissolved, T = total, TR = total recoverable

**Table C-2. Surface water metals data for various tributaries and the Bitterroot River middle segment (MT76H001\_020)**

Waterbody	Site ID	Sample Date	Org.	Hardness (mg/L)	Flow (cfs)	pH	Al (D)	As (T)	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (T)	Pb (TR)	Pb (D)	Hg (T)	Ni (TR)	Se (TR)	Ag (TR)	Zn (TR)
One Horse Creek	One Horse Creek	8/21/1997	MBMG	26.05	--	6.92	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	--
One Horse Creek	One Horse Creek	8/22/1997	MBMG	37.68	--	7.04	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	--
One Horse Creek	One Horse Creek	10/6/1997	MBMG	16.35	--	7.63	--	--	--	--	--	--	--	--	--	12.7	--	--	--	--	--
Bitterroot River (020)	12351200	3/15/2004	USGS	42	962	8.1	3.6	<2	--	<0.04	<0.8	1	--	0.08	--	--	--	0.35	--	--	<2
Bitterroot River (020)	12351200	6/23/2004	USGS	21.5	3,910	7.6	--	<2	--	<0.04	<0.8	0.9	--	0.16	--	--	--	0.35	--	--	2
Miller Creek	C05MILRC02	7/8/2004	DEQ	94	2.29	8.37	<100	--	<3	<0.1	<1	<1	20	--	<0.5	--	--	<20	<1	<3	<10
Miller Creek	C05MILRC01	7/8/2004	DEQ	143	3.5	7.72	<100	--	<3	<0.1	<1	<1	20	--	<0.5	--	--	<20	<1	<3	<10
Bitterroot River (020)	12351200	4/21/2005	USGS	40.8	972	7.5	--	<2	--	<0.04	<0.8	0.6	--	0.18	--	--	--	0.26	--	--	1
Bitterroot River (020)	12351200	6/23/2005	USGS	23.2	4,360	7.9	--	<2	--	<0.04	0.5	1.3	--	0.34	--	--	--	0.31	--	--	2
Lolo Creek	C05LOLOC01	6/23/2005	DEQ	31.8	81.38	--	30	--	1	<0.08	<1	<1	110	--	<0.5	--	<0.1	<10	<1	<1	<1
Lolo Creek	C05LOLOC02	6/23/2005	DEQ	19.6	267.95	--	30	--	1	<0.08	<1	<1	80	--	<0.5	--	<0.1	<10	<1	<1	<1
Bitterroot River (020)	12351200	4/19/2006	USGS	29.2	2,820	7.7	--	0.36	--	<0.04	0.23	1.4	--	0.34	--	--	--	0.24	--	--	2
Bitterroot River (020)	12351200	6/15/2006	USGS	17.6	7,080	7.4	--	0.35	--	<0.04	0.3	0.9	--	0.28	--	--	--	0.32	--	--	2
Bitterroot River (020)	12351200	3/22/2007	USGS	27.1	2,290	7.8	--	0.32	--	0.014	<0.6	1	--	0.21	--	--	--	0.21	--	--	2
Bitterroot River (020)	12351200	6/14/2007	USGS	21.7	4,600	7.7	--	0.37	--	<0.018	<0.6	0.83	--	0.24	--	--	--	0.2	--	--	2.8
Miller Creek	C05MILRC01	7/11/2007	DEQ	--	3.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Miller Creek	C05MILRC03	7/11/2007	DEQ	--	9.664	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Miller Creek	C05MILRC04	7/11/2007	DEQ	--	6.645	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table C-2. Surface water metals data for various tributaries and the Bitterroot River middle segment (MT76H001\_020)**

Waterbody	Site ID	Sample Date	Org.	Hardness (mg/L)	Flow (cfs)	pH	Al (D)	As (T)	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (T)	Pb (TR)	Pb (D)	Hg (T)	Ni (TR)	Se (TR)	Ag (TR)	Zn (TR)
Miller Creek	C05MILRC04	10/9/2007	DEQ	--	0.773	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bitterroot River (020)	12351200	4/2/2008	USGS	55.5	686	7.8	--	0.41	--	<0.014	<0.4	0.63	--	0.07	--	--	--	0.16	--	--	<2
Bitterroot River (020)	12351200	6/4/2008	USGS	18.3	9,780	7.4	--	0.41	--	0.015	0.57	1.8	--	0.6	--	--	--	0.42	--	--	3.1
Bitterroot River (020)	12351200	3/3/2009	USGS	48.3	885	7.6	--	0.36	--	<0.06	<0.4	<4	--	0.09	--	--	--	0.13	--	--	1.3
Bitterroot River (020)	12351200	6/25/2009	USGS	23.6	5,420	7.6	--	0.46	--	0.031	0.26	<4	--	0.42	--	--	--	0.27	--	--	3.6
Miller Creek	BTR-MILLER1	8/9/2010	WTRSD	--	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Miller Creek	BTR-MILLER2	8/9/2010	WTRSD	--	2.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bitterroot River (020)	C05BITRR23	6/5/2012	DEQ	14	--	8.1	50	--	<3	<0.08	<1	1	370	--	<0.5	--	<0.005	--	<1	<0.5	<10
Bitterroot River (020)	C05BITRR24	6/5/2012	DEQ	14	--	7.9	310	--	<3	<0.08	<1	<1	<50	--	<0.5	--	<0.005	--	<1	<0.5	<10
Bitterroot River (020)	C05BITRR31	6/6/2012	DEQ	17	--	8	60	--	<3	<0.08	<1	1	450	--	<0.5	--	<0.005	--	<1	<0.5	<10
Miller Creek	C05MILRC04	6/6/2012	DEQ	91	16.96	8.7	<30	--	<3	<0.08	<1	<1	290	--	<0.5	--	--	--	<1	<0.5	<10
Bitterroot River (020)	C05BITRR31	8/8/2012	DEQ	61	--	--	<30	--	<3	<0.08	<1	<1	70	--	<0.5	--	<0.005	--	<1	<0.5	<10
Bitterroot River (020)	C05BITRR23	8/13/2012	DEQ	34	--	8.7	<30	--	<3	<0.08	<1	1	80	--	<0.5	--	<0.005	--	<1	<0.5	<10
Bitterroot River (020)	C05BITRR24	8/13/2012	DEQ	41	--	7.8	<30	--	<3	<0.08	<1	1	<50	--	<0.5	--	<0.005	--	<1	<0.5	<10
Miller Creek	C05MILRC01	8/27/2012	DEQ	158	1.94	8.34	<30	--	<3	<0.08	<1	<1	<50	--	<0.5	--	--	--	<1	<0.5	<10
Miller Creek	C05MILRC06	8/27/2012	DEQ	--	0.19	8.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Miller Creek	C05MILRC04	8/27/2012	DEQ	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bitterroot River (020)	C05BITRR24	9/14/2012	DEQ	48	270	7.84	<30	--	<3	<0.08	<1	1	<50	--	<0.5	--	<0.005	--	<1	<0.5	<10
Bitterroot River (020)	C05BITRR31	9/14/2012	DEQ	70	--	8.03	<30	--	<3	<0.08	<1	1	50	--	<0.5	--	<0.005	--	<1	<0.5	<10
Bitterroot River (020)	C05BITRR33	9/14/2012	DEQ	38	--	9.44	<30	--	<3	<0.08	<1	1	100	--	<0.5	--	<0.005	--	<1	<0.5	<10
Miller Creek	C05MILRC01	9/30/2012	DEQ	102	1.16	8.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Miller Creek	C05MILRC07	9/30/2012	DEQ	102	2.8	8.83	<30	--	<3	<0.08	<1	<1	<50	--	<0.5	--	--	--	<1	<0.5	<10

Metals are in micrograms per liter (µg/L)  
D = dissolved, T = total, TR = total recoverable

**Table C-3. Recent sediment metals data for the Bitterroot River lower segment (MT76H001\_030) and related samples**

Waterbody	Site ID	Sample Date	Organization	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (TR)	Hg (T)	Zn (TR)
Bitterroot River (030)	12352500	8/10/1998	USGS	2.6	0.2	40	26	--	49	0.09	94
Bitterroot River (030)	12352500	8/11/1999	USGS	4.2	0.2	38	30	--	53	0.04	110
Bitterroot River (030)	C05BITTR01	8/22/2001	DEQ	<5	<1	11	17	12,900	15	--	66
O'Brien Creek	C05OBINC01	6/17/2006	DEQ	2.06	<0.5	6.4	15.4	6,000	4.48	--	16.4

Metals are in micrograms per gram (µg/g)  
T = total, TR = total recoverable

**Table C-4. Surface water metals data for the Lick Creek and related samples**

Waterbody	Site ID	Sample Date	Org.	Hardness (mg/L)	Flow (cfs)	pH	Al (D)	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (TR)	Ni (TR)	Se (TR)	Ag (TR)	Zn (TR)
Lick Creek	C05LICKC10	7/14/2004	DEQ	9	1	3.96	--	<3	--	<1	<1	50	<0.5	<20	<1	<3	<10
Lick Creek	C05LICKC20	7/14/2004	DEQ	10	5	3.6	--	<3	--	1	<1	290	<0.5	<20	<1	<3	<10
Lick Creek	C05LICKC01	6/4/2012	DEQ	12	16.9	7.9	320	<3	<0.08	1	2	1,780	1.2	--	<1	<0.5	<10
Lick Creek	C05LICKC01	8/8/2012	DEQ	15	5.54	7.5	140	<3	<0.08	<1	<1	500	<0.5	--	<1	<0.5	<10
Lick Creek	C05LICKC01	9/20/2012	DEQ	15	2.65	7.65	70	<3	<0.08	<1	<1	260	<0.5	--	<1	<0.5	<10
Lick Creek	C05LICKC01	6/14/2013	DEQ	10.1	12.92	7.2	776	<3	<0.08	<1	<1	520	0.3	<20	<1	<0.5	<10
Lick Creek	C05LICKC03	6/14/2013	DEQ	7.3	3.39	7.44	41	<3	<0.08	<1	<1	60	<0.5	<20	<1	<0.5	<10
Lick Creek	C05LICKC01	7/24/2013	DEQ	12	5.2	7.05	297	<3	<0.08	<1	<1	520	<0.5	<20	<1	<0.5	<10
Lick Creek	C05LICKC03	7/24/2013	DEQ	10	0.31	6.74	46	<3	<0.08	<1	<1	250	0.5	<20	<1	<0.5	<10
Lick Creek	C05LICKC01	9/3/2013	DEQ	14	2.25	6.46	198	<3	<0.08	<1	<1	310	<0.5	<20	<1	<0.5	<10
Lick Creek	C05LICKC02	9/3/2013	DEQ	14	3.73	6.75	146	<3	<0.08	<1	<1	270	<0.5	<20	<1	<0.5	<10
Lick Creek	C05LICKC03	9/3/2013	DEQ	12	0.4	6.27	58	<3	<0.08	<1	<1	120	<0.5	<20	<1	<0.5	<10

**Table C-4. Surface water metals data for the Lick Creek and related samples**

Waterbody	Site ID	Sample Date	Org.	Hardness (mg/L)	Flow (cfs)	pH	Al (D)	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (TR)	Ni (TR)	Se (TR)	Ag (TR)	Zn (TR)
Lolo WWTP Outfall	C05LWWTP01	7/24/2013	EPA	209	0.17	6.82	<9	<1	0.05	<1	5	50	0.8	--	<1	0.4	74
Lolo WWTP Outfall	C05LWWTP01	9/3/2013	EPA	225	0.3	6.59	<9	<1	0.05	<1	8	30	0.6	--	<1	<0.3	69
Lost Horse Creek Canal	C05LHCCN01	6/14/2013	DEQ	2.5	41.74	7.27	55	<1	<0.03	<1	<1	20	<0.3	--	<1	<0.2	<5
Lost Horse Creek Canal	C05LHCCN01	7/24/2013	EPA	5	3.37	6.94	38	<1	<0.03	<1	<1	<20	<0.3	--	<1	<0.2	<8
Lost Horse Creek Canal	C05LHCCN01	9/3/2013	EPA	5	2.22	6.77	25	<1	<0.03	<1	<1	<20	<0.3	--	<1	<0.2	<8
Tin Cup Creek	C05TINCC04	6/5/2012	DEQ	4	323.85	8.4	60	<3	<0.08	<1	<1	60	<0.5	--	<1	<0.5	<10
Tin Cup Creek	C05TINCC05	8/21/2012	DEQ	9	6.3	8.4	<30	<3	<0.08	<1	<1	<50	<0.5	--	<1	<0.5	<10
Tin Cup Creek	C05TINCC05	9/20/2012	DEQ	11	3.3	8.19	<30	<3	<0.08	<1	<1	<50	<0.5	--	<1	<0.5	<10
Tin Cup Creek	C05TINCC03	7/26/2013	DEQ	5.1	33.25	7.67	19	<1	<0.03	<1	<1	10	<0.3	--	<1	<0.2	<5
Unnamed Tributary	C05LICKT01	6/14/2013	DEQ	49	0.1	7.62	446	1	<0.03	<1	1	420	0.3	--	<1	<0.2	<5
Unnamed Tributary	C05LICKT01	7/24/2013	EPA	--	0	--	--	--	--	--	--	--	--	--	--	--	--
Unnamed Tributary	C05LICKT01	9/3/2013	EPA	--	0	--	--	--	--	--	--	--	--	--	--	--	--

Metals are in micrograms per liter (µg/L)  
D = dissolved, TR = total recoverable

**Table C-5. Sediment metals data for Lick Creek and related samples**

Waterbody	Site ID	Sample Date	Organization	As (TR)	Cd (TR)	Cr (TR)	Cu (TR)	Fe (TR)	Pb (TR)	Hg (T)	Zn (TR)
Lick Creek	C05LICKC03	9/3/2013	EPA	2.1	0.23	26	13.8	13,200	233	<0.50	62
Lick Creek	C05LICKC01	9/3/2013	EPA	2.7	0.09	7.7	13.7	9,810	42.1	<0.50	52
Lost Horse Creek Canal	C05LHCCN01	9/3/2013	EPA	1.8	0.17	17.7	7.9	14,500	161	<0.50	66

Metals are in micrograms per gram (µg/g)  
T = total, TR = total recoverable

## C2.0 NUTRIENT DATA

**Table C-6. Surface Water Nutrient Data for the Bitterroot Project Area Nutrient data**

Org ID	Waterbody Name	Site ID	Latitude	Longitude	Collection Date	Flow (cfs)	TN (mg/L)	TP (mg/L)	NN (mg/L)	Chlor-a (mg/m2)	AFDM (g/m2)
TSWQC_WQX	Ambrose Creek	THMAMBUSFS-3	46.54208	-113.91695	7/31/2003			0.04	0.068		
TSWQC_WQX	Ambrose Creek	THMAMBUSFS-3	46.54208	-113.91695	7/25/2006			0.034	0.066		
TSWQC_WQX	Ambrose Creek	THMAMBUSFS-3	46.54208	-113.91695	8/2/2007		0.25	0.028	0.063		
TSWQC_WQX	Ambrose Creek	THMAMBUSFS-3	46.54208	-113.91695	8/27/2007		0.12	0.02	0.059		
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC03	46.54189	-113.91756	8/8/2012	0.6	0.13	< 0.01	0.043		
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC03	46.54189	-113.91756	9/20/2012	0.3	0.06	0.04	0.043		
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC05	46.55864	-113.99641	8/30/2012	1.21	0.4	0.07	0.15	23.6	6.31
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC05	46.55864	-113.99641	9/28/2012	E 0.1	0.53	< 0.01	0.195	10.9	5.44
TSWQC_WQX	Ambrose Creek	THMAMB-PARK-2	46.5579	-113.99683	7/31/2003			0.21	0.291		
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC06	46.56069	-114.02348	8/30/2012	1.03	0.38	0.03	0.157	5.8	
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC06	46.56069	-114.02348	9/28/2012	E 0.1	0.98	0.45	0.127		
MTWTRSHD_WQX	Ambrose Creek	BTR-AMBROSE1	46.56074	-114.02373	8/7/2010	0.23	0.57	0.07	0.18	E <50	
TSWQC_WQX	Ambrose Creek	THMAMBCONFL-1	46.56452	-114.03505	7/31/2003			0.19	0.337		
TSWQC_WQX	Ambrose Creek	THMAMBCONFL-1	46.56452	-114.03505	7/24/2006			0.332	0.375		
TSWQC_WQX	Ambrose Creek	THMAMBCONFL-1	46.56452	-114.03505	8/2/2007		0.69	0.113	0.195		
TSWQC_WQX	Ambrose Creek	THMAMBCONFL-1	46.56452	-114.03505	8/27/2007		0.52	0.013	0.15		
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC04	46.56452	-114.03505	8/29/2012		0.8	0.41	0.157		
MDEQ_WQ-WQX	Ambrose Creek	C05AMBRC04	46.56452	-114.03505	9/28/2012	E 1.0	4.91	4.23	0.142		
TSWQC_WQX	Bass Creek	BASSUSFS	46.57383	-114.14912	8/1/2007		0.2	0.007	0.003		
TSWQC_WQX	Bass Creek	BASSUSFS	46.57383	-114.14912	8/28/2007		0.048	0.013	0.002		

Table C-6. Surface Water Nutrient Data for the Bitterroot Project Area Nutrient data

Org ID	Waterbody Name	Site ID	Latitude	Longitude	Collection Date	Flow (cfs)	TN (mg/L)	TP (mg/L)	NN (mg/L)	Chlor-a (mg/m2)	AFDM (g/m2)
MDEQ_WQ-WQX	Bass Creek	C05BASSC10	46.57366	-114.14642	7/9/2004	E 45		< 0.01	< 0.001		
MDEQ_WQ-WQX	Bass Creek	C05BASSC01	46.5745	-114.1344	8/2/2007		0.12	0.005	< 0.001	3.81	
MDEQ_WQ-WQX	Bass Creek	C05BASSC01	46.5745	-114.1344	8/14/2012	9.82	< 0.05	< 0.01	< 0.003		
MDEQ_WQ-WQX	Bass Creek	C05BASSC01	46.5745	-114.1344	9/14/2012	4.77	< 0.05	< 0.01	< 0.003		
MDEQ_WQ-WQX	Bass Creek	C05BASSC04	46.57647	-114.11008	8/14/2012	0.25	0.23	< 0.01	0.029	35.2	16.5
MDEQ_WQ-WQX	Bass Creek	C05BASSC04	46.57647	-114.11008	9/14/2012	0.12			0.01		
MDEQ_WQ-WQX	Bass Creek	C05BASSC20	46.57577	-114.09946	7/9/2004	E 0.75		0.01	0.037		
MDEQ_WQ-WQX	Bass Creek	C05BASSC20	46.57577	-114.09946	8/14/2012	0.8	0.24	< 0.01	0.022	31.9	22.0
MDEQ_WQ-WQX	Bass Creek	C05BASSC20	46.57577	-114.09946	9/14/2012	0.42	0.17		0.015		
MDEQ_WQ-WQX	Bass Creek	C05BASSC02	46.5741	-114.0945	8/14/2012	2.1	0.81	< 0.01	0.152		
MDEQ_WQ-WQX	Bass Creek	C05BASSC02	46.5741	-114.0945	9/14/2012	1.06	0.26	0.04	0.031		
TSWQC_WQX	Bass Creek	BASS93S	46.5739	-114.09414	8/1/2007		0.6	0.018	0.089		
TSWQC_WQX	Bass Creek	BASS93S	46.5739	-114.09414	8/28/2007		0.33	0.013	0.058		
MDEQ_WQ_WQX	Lick Creek	C05LICKC10	46.07583	-114.25534	7/14/2004	E 1		< 0.01	0.031		
TSWQC_WQX	Lick Creek	LICKUSFS5621	46.07609	-114.25374	6/26/2007		< 0.01	< 0.005	0.02		
TSWQC_WQX	Lick Creek	LICKUSFS5621	46.07609	-114.25374	7/26/2007		0.14	0.006	0.02		
TSWQC_WQX	Lick Creek	LICKUSFS5621	46.07609	-114.25374	8/24/2007		0.06	0.007	0.02		
MDEQ_WQ_WQX	Lick Creek	C05LICKC03	46.07679	-114.25191	8/28/2012	0.5	0.06	0.04	0.018	5.9	4.26
MDEQ_WQ_WQX	Lick Creek	C05LICKC03	46.07679	-114.25191	9/28/2012	0.48	< 0.05		0.015		
MDEQ_WQ_WQX	Lick Creek	C05LICKC04	46.0775	-114.22706	8/29/2012	0.54	0.06	< 0.01	0.019	14.2	4.59
MDEQ_WQ_WQX	Lick Creek	C05LICKC04	46.0775	-114.22706	9/28/2012	0.41	< 0.05	< 0.01	0.014		
MDEQ_WQ_WQX	Lick Creek	C05LICKC20	46.09195	-114.19201	7/14/2004	E 5		< 0.01	0.038		
MTWTRSHD_WQX	Lick Creek	BTR-LICK1	46.09308	-114.19086	8/5/2010	3.83	0.11	0.02	0.03	E <50	
MDEQ_WQ_WQX	Lick Creek	C05LICKC01	46.09424	-114.18955	8/8/2012	5.54	0.13	< 0.01	0.033		
MDEQ_WQ_WQX	Lick Creek	C05LICKC01	46.09424	-114.18955	9/20/2012	2.65	< 0.05	0.04	0.022	5.3	3.60
TSWQC_WQX	Lick Creek	LICK93	46.105	-114.18538	6/26/2007		0.06	< 0.005	0.039		
TSWQC_WQX	Lick Creek	LICK93	46.105	-114.18538	7/26/2007		0.23	0.009	0.043		
TSWQC_WQX	Lick Creek	LICK93	46.105	-114.18538	8/24/2007		0.17	0.006	0.036		
MDEQ_WQ_WQX	Lick Creek	C05LICKC02	46.10497	-114.18537	8/28/2012	4.92	0.09	< 0.01	0.029		
MDEQ_WQ_WQX	Lick Creek	C05LICKC02	46.10497	-114.18537	9/28/2012	3.82	0.11	< 0.01	0.023		
MDEQ_WQ_WQX	Muddy Spring Creek	C05MUDSC02	46.38799	-113.9272	8/22/2012		0.24	0.18	0.051		
MDEQ_WQ_WQX	Muddy Spring Creek	C05MUDSC02	46.38799	-113.9272	9/29/2012	0.04	0.21	0.13	0.037		
MDEQ_WQ_WQX	Muddy Spring Creek	C05MUDSC01	46.38292	-113.9137	8/22/2012	0.22	0.24	0.19	0.048	23.4	2.44
MDEQ_WQ_WQX	Muddy Spring Creek	C05MUDSC01	46.38292	-113.9137	9/29/2012	0.26	0.27	0.16	0.04	6.4	2.68
MDEQ_WQ_WQX	North Burnt Fork Creek	C05BRFNC02	46.47118	-113.95564	8/16/2005	13.86		0.02	0.03		
MDEQ_WQ_WQX	North Burnt Fork Creek	C05BRFNC04	46.5011	-114.0091	8/29/2012	1.73	0.1	0.04	0.02		
MTWTRSHD_WQX	North Burnt Fork Creek	BTR-NBF1	46.52612	-114.08549	8/6/2010	2.37	0.21	< 0.01	0.036	26.6	22.0
MDEQ_WQ_WQX	North Burnt Fork Creek	C05BRFNC05	46.52696	-114.087	9/28/2012	4.66	0.19	< 0.01	0.021	41.4	27.0
TSWQC_WQX	North Burnt Fork Creek	BURNTWILD	46.5272	-114.08805	7/25/2006			< 0.005	0.052		
TSWQC_WQX	North Burnt Fork Creek	BURNTWILD	46.5272	-114.08805	8/2/2007		0.35	< 0.005	0.04		
TSWQC_WQX	North Burnt Fork Creek	BURNTWILD	46.5272	-114.08805	8/24/2007		0.22	< 0.005	0.029		
MDEQ_WQ_WQX	North Burnt Fork Creek	C05BRFNC01	46.54057	-114.09318	8/16/2005	0.68		< 0.01	0.056		
MDEQ_WQ_WQX	North Burnt Fork Creek	C05BRFNC01	46.54057	-114.09318	8/29/2012	E 0	0.19		0.032	<0.1	
MDEQ_WQ_WQX	North Burnt Fork Creek	C05BRFNC01	46.54057	-114.09318	9/28/2012	7.64	0.13	< 0.01	0.023		
MDEQ_WQ_WQX	North Burnt Fork Creek	C05BRFNC03	46.53987	-114.09515	8/4/2005	3.853					
TSWQC_WQX	North Burnt Fork Creek	BURNTRIVER	46.5413	-114.099	7/25/2006			< 0.005	0.065		
TSWQC_WQX	North Burnt Fork Creek	BURNTRIVER	46.5413	-114.099	8/2/2007		0.3	< 0.005	0.047		
TSWQC_WQX	North Burnt Fork Creek	BURNTRIVER	46.5413	-114.099	8/24/2007		0.19	0.007	0.037		

Table C-6. Surface Water Nutrient Data for the Bitterroot Project Area Nutrient data

Org ID	Waterbody Name	Site ID	Latitude	Longitude	Collection Date	Flow (cfs)	TN (mg/L)	TP (mg/L)	NN (mg/L)	Chlor-a (mg/m2)	AFDM (g/m2)
TSWQC_WQX	North Fork Rye Creek	NFRYECONF	45.97784	-114.03825	7/25/2006			0.035	0.038		
TSWQC_WQX	North Fork Rye Creek	NFRYECAT	46.02129	-114.01589	7/25/2006			0.008	0.021		
TSWQC_WQX	North Fork Rye Creek	NFRYECONF	45.97784	-114.03825	7/24/2007		0.3	0.052	0.036		
TSWQC_WQX	North Fork Rye Creek	NFRYECAT	46.02129	-114.01589	7/24/2007		0.22	< 0.005	0.022		
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC01	45.9973	-114.0299	8/2/2007		0.22	0.006	0.023	35.1	
TSWQC_WQX	North Fork Rye Creek	NFRYECONF	45.97784	-114.03825	8/25/2007		0.41	0.209	0.055		
TSWQC_WQX	North Fork Rye Creek	NFRYECAT	46.02129	-114.01589	8/25/2007		0.11	< 0.005	0.02		
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC02	45.9784	-114.03807	8/15/2012	0.37	0.33	0.16	0.035		
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC03	45.9945	-114.0319	8/15/2012	0.51	0.14	< 0.01	0.019	19.3	11.2
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC04	46.01018	-114.02368	8/15/2012	0.35	0.14	< 0.01	0.025	84.8	38.5
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC05	46.02445	-114.01562	8/15/2012	0.27	0.15	< 0.01	0.032		
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC02	45.9784	-114.03807	9/14/2012	0.5	0.17	0.06	0.022		
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC03	45.9945	-114.0319	9/14/2012	0.6	0.08	< 0.01	0.015		
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC04	46.01018	-114.02368	9/14/2012	0.45	0.09	< 0.01	0.015		
MDEQ_WQ_WQX	North Fork Rye Creek	C05RYNFC05	46.02445	-114.01562	9/14/2012	0.34	0.09	0.04	0.016		
MTWTRSHD_WQX	Rye Creek	BTR-RYE4	45.9762	-114.04179	8/3/2010		0.19	< 0.01	0.048	20.6	28.7
MDEQ_WQ_WQX	Rye Creek	C05RYEC02	45.97528	-114.06193	8/9/2012	0.89	0.15	< 0.01	0.027		
MDEQ_WQ_WQX	Rye Creek	C05RYEC02	45.97528	-114.06193	9/13/2012	1.14	0.13	< 0.01	0.022		
MTWTRSHD_WQX	Rye Creek	BITR-C05RYEC02	45.96634	-114.135	8/2/2010	3.4	0.19	0.04	0.023	35.6	15.1
MDEQ_WQ_WQX	Rye Creek	C05RYEC01	45.9672	-114.1355	8/7/2012	1.25	0.17	< 0.01	0.01		
MDEQ_WQ_WQX	Rye Creek	C05RYEC01	45.9672	-114.1355	9/13/2012	1.91	0.1		0.006		
TSWQC_WQX	Rye Creek	RYEBEL93	45.96689	-114.13551	7/25/2006			0.011	0.019		
TSWQC_WQX	Rye Creek	RYEBEL93	45.96689	-114.13551	7/24/2007		0.28	0.02	0.043		
TSWQC_WQX	Rye Creek	RYEBEL93	45.96689	-114.13551	8/25/2007		0.37	0.084	0.051		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC02	46.4213	-114.2462	9/17/2007		0.104		0.0091		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC02	46.4213	-114.2462	8/21/2008		0.23		0.017		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC02	46.4213	-114.2462	9/20/2008		0.18		0.001		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC05	46.41703	-114.22763	8/23/2012	3.95	0.09	0.07	< 0.005		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC04	46.412	-114.19724	8/15/2012	5.67	0.09	< 0.01	0.008		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC04	46.412	-114.19724	9/19/2012	1.66	< 0.05	0.03	0.01	13.2	4.55
MTWTRSHD_WQX	Sweathouse Creek	BTR-SWEAT2	46.41214	-114.19697	8/5/2010	5.11	0.11	0.05	0.01	E <50	
TSWQC_WQX	Sweathouse Creek	SWEATREDCR	46.41206	-114.19692	7/24/2006			0.006	0.013		
TSWQC_WQX	Sweathouse Creek	SWEATREDCR	46.41206	-114.19692	7/25/2007		0.17	0.028	0.011		
TSWQC_WQX	Sweathouse Creek	SWEATREDCR	46.41206	-114.19692	8/24/2007		0.048	0.01	0.006		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC03	46.4238	-114.1462	8/14/2012	2.09	0.23	< 0.01	0.042		
MDEQ_WQ_WQX	Sweathouse Creek	C05SWTHC03	46.4238	-114.1462	9/19/2012	2.34	0.12	0.03	0.034		
TSWQC_WQX	Sweathouse Creek	SWEATMOU	46.42572	-114.13744	7/24/2006			0.016	0.057		
TSWQC_WQX	Sweathouse Creek	SWEATMOU	46.42572	-114.13744	7/25/2007		0.5	0.018	0.058		
TSWQC_WQX	Sweathouse Creek	SWEATMOU	46.42572	-114.13744	8/24/2007		0.25	0.022	0.053		
MTWTRSHD_WQX	Sweathouse Creek	BTR-SWEAT1	46.42569	-114.13607	8/5/2010	2.11	0.31	0.04	0.049	16.7	5.38
TSWQC_WQX	Threemile Creek	THMFWP-6	46.62185	-113.89895	7/24/2006			0.027	0.044		
TSWQC_WQX	Threemile Creek	THMFWP-6	46.62185	-113.89895	8/1/2007		0.15	0.018	0.041		
TSWQC_WQX	Threemile Creek	THMFWP-6	46.62185	-113.89895	8/27/2007		0.076	0.019	0.041		
MTWTRSHD_WQX	Threemile Creek	BTR-THREEMILE4	46.62352	-113.90874	8/7/2010	2.12	< 0.05	0.02	0.044	E <50	
TSWQC_WQX	Threemile Creek	THMTMRD-3	46.57843	-113.97235	7/31/2003				0.111		
MTWTRSHD_WQX	Threemile Creek	BTR-THREEMILE3	46.57555	-113.9829	8/7/2010	7.46	0.51	0.29	0.076	7.5	3.22
MTWTRSHD_WQX	Threemile Creek	BTR-THREEMILE2	46.57062	-114.02635	8/6/2010	7.02	0.78	0.48	0.12	E <50	
TSWQC_WQX	Threemile Creek	THMCONFL-2	46.56463	-114.03713	7/31/2003			0.42	0.143		



**Table C-6. Surface Water Nutrient Data for the Bitterroot Project Area Nutrient data**

Org ID	Waterbody Name	Site ID	Latitude	Longitude	Collection Date	Flow (cfs)	TN (mg/L)	TP (mg/L)	NN (mg/L)	Chlor- <i>a</i> (mg/m2)	AFDM (g/m2)
TSWQC_WQX	Threemile Creek	THMCONFL-2	46.56463	-114.03713	7/24/2006			0.837	0.144		
TSWQC_WQX	Threemile Creek	THMCONFL-2	46.56463	-114.03713	8/2/2007		1.2	0.509	0.14		
TSWQC_WQX	Threemile Creek	THMCONFL-2	46.56463	-114.03713	8/27/2007		0.71	0.441	0.104		

E = Estimated

A "<" symbol indicates a non-detect sample. The detection limit is entered after the "<" symbol.

