



2013 WATER QUALITY AND CHLOROPHYLL RESULTS FOR THE CLARK FORK RIVER BASIN

March 21, 2014

Monitoring activities were performed in accordance with the *“Clark Fork River-Pend Oreille Watershed Water Quality Monitoring Program from Headwaters to Below Cabinet Gorge Dam – Quality Assurance Project Plan (QAPP)” (QAPP ID: WQPBQAP-10)*.

Prepared for:

Clark Fork River Water Quality Monitoring Committee

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Nutrient Results for the Clark Fork River Basin

Outlier data are highlighted in green; Field blanks are highlighted in yellow; Duplicate samples are highlighted in blue.

Station Name	Start Date	Activity Type	Ammonia (ug/l)	Nitrate and nitrite (ug/l)	Total Persulfate Nitrogen (ug/l)	Orthophosphate (ug/l)	Total Phosphorus (ug/l)
Silver Bow Creek at Opportunity	7/10/2013	Routine Sample	20.5	1366	2035	233	305
Silver Bow Creek at Opportunity	7/24/2013	Routine Sample	22.5	492	1283	192	288
Silver Bow Creek at Opportunity	8/7/2013	Routine Sample	17.5	516	1185	312	389
Silver Bow Creek at Opportunity	8/21/2013	Routine Sample	24.0	1004	1702	244	337
Silver Bow Creek at Opportunity	9/4/2013	Routine Sample	24.6	1856	2466	302	380
Silver Bow Creek at Opportunity	9/18/2013	Routine Sample	394	3097	3977	349	487
Clark Fork River below Warm Springs	7/10/2013	Field Blank	< 10	0.87	< 50	< 2	< 4
Clark Fork River below Warm Springs	7/10/2013	Field Duplicate	9.95	6.73	232	27.9	42.5
Clark Fork River below Warm Springs	7/10/2013	Routine Sample	15.5	7.51	226	25.5	43.8
Clark Fork River below Warm Springs	7/24/2013	Routine Sample	12.8	4.17	300	36.7	59.6
Clark Fork River below Warm Springs	8/7/2013	Routine Sample	11.4	2.19	369	44.8	71.3
Clark Fork River below Warm Springs	8/21/2013	Routine Sample	7.21	1.41	293	32.2	64.9
Clark Fork River below Warm Springs	9/4/2013	Routine Sample	10.3	2.03	367	42.1	77.0
Clark Fork River below Warm Springs	9/18/2013	Routine Sample	14.5	10.2	307	40.4	62.0
Clark Fork River at Deer Lodge	7/10/2013	Routine Sample	10.8	31.3	296	10.8	22.2
Clark Fork River at Deer Lodge	7/24/2013	Routine Sample	21.0	104	387	13.6	35.1
Clark Fork River at Deer Lodge	8/7/2013	Routine Sample	14.0	142	380	9.04	16.6
Clark Fork River at Deer Lodge	8/21/2013	Field Blank	< 10	< 2	< 50	< 2	< 4
Clark Fork River at Deer Lodge	8/21/2013	Field Duplicate	20.5	196	623	8.59	20.4
Clark Fork River at Deer Lodge	8/21/2013	Routine Sample	20.5	197	506	8.15	20.5
Clark Fork River at Deer Lodge	9/4/2013	Routine Sample	18.6	198	477	10.5	28.3
Clark Fork River at Deer Lodge	9/18/2013	Routine Sample	11.5	200	427	6.82	13.3
Clark Fork River above Little Blackfoot	7/10/2013	Routine Sample	20.5	1.47	306	25.9	42.4
Clark Fork River above Little Blackfoot	7/24/2013	Routine Sample	17.4	1.54	258	11.6	20.5
Clark Fork River above Little Blackfoot	8/7/2013	Field Blank	7.02	< 2	< 50	< 2	< 4
Clark Fork River above Little Blackfoot	8/7/2013	Field Duplicate	7.36	1.59	273	18.2	28.7

Station Name	Start Date	Activity Type	Ammonia (ug/l)	Nitrate and nitrite (ug/l)	Total Persulfate Nitrogen (ug/l)	Orthophosphate (ug/l)	Total Phosphorus (ug/l)
Clark Fork River above Little Blackfoot	8/7/2013	Routine Sample	< 10	1.18	282	18.5	28.3
Clark Fork River above Little Blackfoot	8/21/2013	Routine Sample	8.20	1.35	253	12.3	25.5
Clark Fork River above Little Blackfoot	9/4/2013	Routine Sample	7.54	1.37	262	14.6	27.3
Clark Fork River above Little Blackfoot	9/18/2013	Routine Sample	10.5	16.7	281	17.8	32.4
Clark Fork River at Bonita	7/10/2013	Routine Sample	13.7	1.99	309	4.57	11.7
Clark Fork River at Bonita	7/24/2013	Field Blank	< 10	0.86	< 50	< 2	< 4
Clark Fork River at Bonita	7/24/2013	Field Duplicate	19.2	20.9	314	5.79	18.1
Clark Fork River at Bonita	7/24/2013	Routine Sample	21.3	21.0	308	6.32	16.5
Clark Fork River at Bonita	8/7/2013	Routine Sample	13.0	3.66	236	6.77	16.6
Clark Fork River at Bonita	8/21/2013	Routine Sample	7.64	1.06	191	6.49	11.5
Clark Fork River at Bonita	9/4/2013	Routine Sample	12.2	0.89	203	7.32	17.1
Clark Fork River at Bonita	9/18/2013	Routine Sample	10.4	1.56	270	6.70	40.4
Clark Fork River above Missoula	7/10/2013	Routine Sample	9.19	1.54	130	4.16	8.31
Clark Fork River above Missoula	7/24/2013	Routine Sample	21.0	2.88	197	2.98	9.95
Clark Fork River above Missoula	8/7/2013	Routine Sample	14.6	2.79	149	2.78	12.1
Clark Fork River above Missoula	8/21/2013	Routine Sample	11.4	1.26	161	3.88	11.2
Clark Fork River above Missoula	9/4/2013	Field Blank	< 10	0.81	< 50	< 2	< 4
Clark Fork River above Missoula	9/4/2013	Field Duplicate	8.13	1.07		4.30	10.3
Clark Fork River above Missoula	9/4/2013	Routine Sample	13.6	0.98	140	4.15	10.2
Clark Fork River above Missoula	9/18/2013	Field Blank	< 10	0.78	< 50	< 2	< 4
Clark Fork River above Missoula	9/18/2013	Routine Sample	10.8	1.20	154	2.68	10.8
Clark Fork River below Missoula	7/11/2013	Routine Sample	12.9	17.8	184	3.04	11.6
Clark Fork River below Missoula	7/25/2013	Routine Sample	14.7	28.1	248	3.64	14.0
Clark Fork River below Missoula	8/8/2013	Routine Sample	15.5	28.9	352	3.39	13.9
Clark Fork River below Missoula	8/22/2013	Routine Sample	11.6	33.4	192	3.98	12.3
Clark Fork River below Missoula	9/5/2013	Routine Sample	18.9	42.8	293	4.59	14.9
Clark Fork River below Missoula	9/19/2013	Field Blank	< 10	< 2	< 50	< 2	< 4
Clark Fork River below Missoula	9/19/2013	Field Duplicate	10.1	41.8	193	8.79	18.8
Clark Fork River below Missoula	9/19/2013	Routine Sample	11.9	42.4	195	8.87	19.2

Station Name	Start Date	Activity Type	Ammonia (ug/l)	Nitrate and nitrite (ug/l)	Total Persulfate Nitrogen (ug/l)	Orthophosphate (ug/l)	Total Phosphorus (ug/l)
Clark Fork River at Huson	7/11/2013	Routine Sample	10.5	20.5	178	2.89	11.8
Clark Fork River at Huson	7/25/2013	Routine Sample	21.7	63.9	252	5.34	19.3
Clark Fork River at Huson	7/31/2013	Field Blank	< 10	1.01	58.7	< 2	< 4
Clark Fork River at Huson	7/31/2013	Field Duplicate	6.74	71.0	238	3.61	17.0
Clark Fork River at Huson	7/31/2013	Routine Sample	< 10	70.7	235	3.49	13.3
Clark Fork River at Huson	8/22/2013	Routine Sample	9.95	55.4	295	3.89	19.0
Clark Fork River at Huson	8/31/2013	Routine Sample	< 10	24.2	252	3.10	16.7
Clark Fork River at Huson	9/19/2013	Routine Sample	8.38	23.7	224	3.71	15.7
Clark Fork River above Flathead	7/11/2013	Routine Sample	< 10	8.63	137	3.80	11.4
Clark Fork River above Flathead	7/25/2013	Routine Sample	< 10	12.4	192	4.46	7.69
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 10	13.8	134	3.39	7.56
Clark Fork River above Flathead	8/22/2013	Routine Sample	8.73	10.0	138	3.89	9.18
Clark Fork River above Flathead	8/31/2013	Routine Sample	< 10	10.8	165	3.17	8.90
Clark Fork River above Flathead	9/19/2013	Routine Sample	11.2	8.93	152	2.73	12.5
Clark Fork River below Thompson Falls	3/27/2013	Routine Sample	< 10	29.7	144	2.77	7.15
Clark Fork River below Thompson Falls	4/22/2013	Routine Sample	< 10	32.5	148	2.90	10.9
Clark Fork River below Thompson Falls	5/21/2013	Routine Sample	< 10	36.4	173	3.99	21.0
Clark Fork River below Thompson Falls	6/21/2013	Routine Sample	< 10	12.4	128	1.95	13.4
Clark Fork River below Thompson Falls	7/18/2013	Routine Sample	< 10	7.37	111	2.19	7.23
Clark Fork River below Thompson Falls	8/15/2013	Routine Sample	< 10	5.21	118	2.42	7.28
Clark Fork River below Thompson Falls	9/19/2013	Routine Sample	< 10	1.06	133	1.58	6.85
Clark Fork River below Thompson Falls	10/24/2013	Routine Sample	7.24	13.5	100	3.67	5.95
Clark Fork River below Thompson Falls	11/12/2013	Routine Sample	< 10	32.5	179	2.35	5.75
Clark Fork River at Noxon	3/27/2013	Routine Sample	< 10	34.6	144	2.99	6.52
Clark Fork River at Noxon	4/22/2013	Routine Sample	< 10	31.0	148	3.02	8.28
Clark Fork River at Noxon	5/21/2013	Routine Sample	< 10	37.7	163	4.23	13.6
Clark Fork River at Noxon	6/21/2013	Routine Sample	< 10	5.45	119	2.46	9.09
Clark Fork River at Noxon	7/18/2013	Routine Sample	12.7	37.6	156	5.79	8.01
Clark Fork River at Noxon	8/15/2013	Routine Sample	< 10	53.0	167	8.59	14.8
Clark Fork River at Noxon	9/19/2013	Routine Sample	10.9	45.1	142	6.61	10.6

Station Name	Start Date	Activity Type	Ammonia (ug/l)	Nitrate and nitrite (ug/l)	Total Persulfate Nitrogen (ug/l)	Orthophosphate (ug/l)	Total Phosphorus (ug/l)
Clark Fork River at Noxon	10/24/2013	Routine Sample	< 10	14.8	110	3.44	6.39
Clark Fork River at Noxon	11/12/2013	Routine Sample	6.44	18.9	130	2.29	5.44
Clark Fork River below Cabinet Gorge Dam	3/27/2013	Field Blank	25.5	< 2	< 50	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	3/27/2013	Field Duplicate	10.3	36.3	129	2.29	5.97
Clark Fork River below Cabinet Gorge Dam	3/27/2013	Routine Sample	< 10	35.8	116	2.18	6.23
Clark Fork River below Cabinet Gorge Dam	4/22/2013	Field Blank	< 10	< 2	< 50	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	4/22/2013	Field Duplicate	< 10	33.5	140	2.53	9.23
Clark Fork River below Cabinet Gorge Dam	4/22/2013	Routine Sample	< 10	33.4	138	2.65	8.44
Clark Fork River below Cabinet Gorge Dam	5/8/2013	Routine Sample	< 10	14.1	163	2.37	7.89
Clark Fork River below Cabinet Gorge Dam	5/15/2013	Routine Sample	< 10	29.7	150	2.35	11.9
Clark Fork River below Cabinet Gorge Dam	5/21/2013	Field Blank	< 10	< 2	< 50	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	5/21/2013	Routine Sample	< 10	39.6	159	4.41	14.2
Clark Fork River below Cabinet Gorge Dam	5/21/2013	Field Duplicate	< 10	37.7	175	4.12	14.8
Clark Fork River below Cabinet Gorge Dam	5/30/2013	Field Blank	< 10	1.17	52.5	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	5/30/2013	Field Duplicate	10.9	35.4	210	2.18	9.86
Clark Fork River below Cabinet Gorge Dam	5/30/2013	Routine Sample	< 10	30.0	148	2.12	9.54
Clark Fork River below Cabinet Gorge Dam	5/31/2013	Routine Sample	< 10	29.2	127	2.08	9.20
Clark Fork River below Cabinet Gorge Dam	6/4/2013	Routine Sample	< 10	25.5	126	1.99	8.17
Clark Fork River below Cabinet Gorge Dam	6/5/2013	Routine Sample	< 10	25.8	123	2.33	7.52
Clark Fork River below Cabinet Gorge Dam	6/21/2013	Field Blank	< 10	< 2	64.9	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	6/21/2013	Field Duplicate	< 10	8.34	116	2.28	9.21
Clark Fork River below Cabinet Gorge Dam	6/21/2013	Routine Sample	< 10	7.94	120	2.42	9.53
Clark Fork River below Cabinet Gorge Dam	7/18/2013	Field Blank	10.1	< 2	< 50	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	7/18/2013	Field Duplicate	< 10	15.9	120	3.48	7.03
Clark Fork River below Cabinet Gorge Dam	7/18/2013	Routine Sample	< 10	16.0	107	3.30	6.69
Clark Fork River below Cabinet Gorge Dam	8/15/2013	Field Blank	< 10	< 2	< 50	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	8/15/2013	Routine Sample	< 10	20.9	135	5.12	11.7
Clark Fork River below Cabinet Gorge Dam	8/15/2013	Field Duplicate	< 10	21.3	120	5.29	11.2
Clark Fork River below Cabinet Gorge Dam	9/19/2013	Field Blank	< 10	1.13	< 50	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	9/19/2013	Routine Sample	9.83	24.6	143	5.31	11.1
Clark Fork River below Cabinet Gorge Dam	9/19/2013	Field Duplicate	13.9	27.1	130	4.77	12.9
Clark Fork River below Cabinet Gorge Dam	10/24/2013	Field Blank	< 10	1.08	< 50	< 2	< 4

Station Name	Start Date	Activity Type	Ammonia (ug/l)	Nitrate and nitrite (ug/l)	Total Persulfate Nitrogen (ug/l)	Orthophosphate (ug/l)	Total Phosphorus (ug/l)
Clark Fork River below Cabinet Gorge Dam	10/24/2013	Routine Sample	< 10	16.9	109	1.86	6.31
Clark Fork River below Cabinet Gorge Dam	10/24/2013	Field Duplicate	< 10	18.3	105	1.99	6.44
Clark Fork River below Cabinet Gorge Dam	11/12/2013	Field Blank	< 10	< 2	< 50	< 2	< 4
Clark Fork River below Cabinet Gorge Dam	11/12/2013	Field Duplicate	< 10	23.3	175	2.39	6.24
Clark Fork River below Cabinet Gorge Dam	11/12/2013	Routine Sample	< 10	23.7	120	2.41	5.76
Flathead River	7/11/2013	Routine Sample	< 10	9.59	131	2.58	9.53
Flathead River	7/25/2013	Routine Sample	< 10	8.78	135	2.40	6.07
Flathead River	7/31/2013	Routine Sample	< 10	5.84	132	< 2	4.42
Flathead River	8/22/2013	Routine Sample	< 10	3.84		2.25	5.36
Flathead River	8/31/2013	Field Blank	< 10	< 2	< 50	< 2	< 4
Flathead River	8/31/2013	Field Duplicate	< 10	4.45	130	9.45	5.35
Flathead River	8/31/2013	Routine Sample	< 10	4.77	146	1.75	5.70
Flathead River	9/19/2013	Routine Sample	8.94	11.6	109	< 2	3.40

2013 Water Quality Field Measurements for the Clark Fork River Basin

Outlier data are highlighted in green.

Station Name	Start Date	Activity Type	Dissolved oxygen (mg/l)	Oxidation reduction potential (mV)	pH (s.u.)	Specific conductance (uS/cm)	Temperature, water (deg C)	Total dissolved solids (mg/l)	Turbidity (NTU)
Silver Bow Creek at Opportunity	7/10/2013	Field	9.3	-263	8.93	509	23.9	330	5.42
Silver Bow Creek at Opportunity	7/24/2013	Field	11.7	-381	9.41	541	24.6	351	4.34
Silver Bow Creek at Opportunity	8/7/2013	Field	13.4	-387	9.39	502	23.1	326	5.03
Silver Bow Creek at Opportunity	8/21/2013	Field	12.4	-383	9.09	550	21.3	357	6.90
Silver Bow Creek at Opportunity	9/4/2013	Field	11.2	-386	8.90	534	22.5	344	8.05
Silver Bow Creek at Opportunity	9/18/2013	Field	11.1	-449	8.38	499	12.4	324	15.0
Clark Fork River below Warm Springs	7/10/2013	Field	10.5	-269	9.01	336	18.6	218	1.69
Clark Fork River below Warm Springs	7/24/2013	Field	10.6	-420	9.15	394	20.2	256	1.78

Station Name	Start Date	Activity Type	Dissolved oxygen (mg/l)	Oxidation reduction potential (mV)	pH (s.u.)	Specific conductance (uS/cm)	Temperature, water (deg C)	Total dissolved solids (mg/l)	Turbidity (NTU)
Clark Fork River below Warm Springs	8/7/2013	Field	11.0	-412	9.20	459	19.5	298	2.11
Clark Fork River below Warm Springs	8/21/2013	Field	8.7	-371	9.03	447	17.6	290	1.63
Clark Fork River below Warm Springs	9/4/2013	Field	10.9	-392	9.12	443	19.0	287	2.34
Clark Fork River below Warm Springs	9/18/2013	Field	11.5	-445	8.91	437	12.3	284	3.67
Clark Fork River at Deer Lodge	7/10/2013	Field	9.6	-256	8.38	419	19.1	272	2.09
Clark Fork River at Deer Lodge	7/24/2013	Field	11.3	-415	8.47	481	19.1	312	2.77
Clark Fork River at Deer Lodge	8/7/2013	Field	11.1	-403	8.31	500	17.8	325	2.33
Clark Fork River at Deer Lodge	8/21/2013	Field	10.8	-446	8.20	501	16.2	325	3.28
Clark Fork River at Deer Lodge	9/4/2013	Field	10.2	-427	8.27	496	18.1	322	4.15
Clark Fork River at Deer Lodge	9/18/2013	Field	10.4	-444	8.19	498	11.7	323	3.96
Clark Fork River above Little Blackfoot	7/10/2013	Field	10.3	-251	8.44	463	18.6	301	1.31
Clark Fork River above Little Blackfoot	7/24/2013	Field	10.7	-405	8.50	445	18.7	289	1.31
Clark Fork River above Little Blackfoot	8/7/2013	Field	11.8	-409	8.38	496	17.1	322	1.48
Clark Fork River above Little Blackfoot	8/21/2013	Field	11.5	-445	8.39	477	16.0	310	1.56
Clark Fork River above Little Blackfoot	9/4/2013	Field	11.2	-384	8.37	479	18.3	311	2.05
Clark Fork River above Little Blackfoot	9/18/2013	Field	9.0	-438	8.16	519	11.5	337	2.12
Clark Fork River at Bonita	7/10/2013	Field	8.7	-263	8.43	416	19.1	270	1.60
Clark Fork River at Bonita	7/24/2013	Field	8.3	-433	8.17	476	18.9	309	2.55
Clark Fork River at Bonita	8/7/2013	Field	9.1	-436	8.32	510	17.8	331	3.60
Clark Fork River at Bonita	8/21/2013	Field	8.7	-458	8.31	505	17.3	328	1.31
Clark Fork River at Bonita	9/4/2013	Field	9.1	-436	8.31	518	17.7	336	4.36
Clark Fork River at Bonita	9/18/2013	Field	7.5	-455	8.25	522	13.8	339	10.1
Clark Fork River above Missoula	7/10/2013	Field	8.2	-274	8.28	237	17.5	154	4.35
Clark Fork River above Missoula	7/24/2013	Field	7.8	-438	8.16	267	18.1	173	1.85
Clark Fork River above Missoula	8/7/2013	Field	8.3	-435	8.22	273	16.6	177	2.94
Clark Fork River above Missoula	8/21/2013	Field	8.5	-462	8.19	279	16.2	181	1.51
Clark Fork River above Missoula	9/4/2013	Field	3.9	-445	8.26	289	16.4	187	
Clark Fork River above Missoula	9/18/2013	Field	8.5	-452	8.19	301	13.9	195	2.32

Station Name	Start Date	Activity Type	Dissolved oxygen (mg/l)	Oxidation reduction potential (mV)	pH (s.u.)	Specific conductance (uS/cm)	Temperature, water (deg C)	Total dissolved solids (mg/l)	Turbidity (NTU)
Clark Fork River below Missoula	7/11/2013	Field	8.6	-437	8.41	233	18.9	151	1.78
Clark Fork River below Missoula	7/25/2013	Field	8.5	-430	8.28	261	19.0	169	2.36
Clark Fork River below Missoula	8/8/2013	Field	8.4	-426	8.35	267	18.0	173	3.93
Clark Fork River below Missoula	8/22/2013	Field	8.6	-490	8.37	275	16.8	178	1.89
Clark Fork River below Missoula	9/5/2013	Field	9.2	-454	8.41	286	18.1	185	2.21
Clark Fork River below Missoula	9/19/2013	Field	10.5	-453	8.42	300	12.4	195	2.82
Clark Fork River at Huson	7/11/2013	Field	8.7	-436	8.43	213	20.3	138	1.66
Clark Fork River at Huson	7/25/2013	Field	9.2	-412	8.36	255	21.3	165	4.80
Clark Fork River at Huson	7/31/2013	Field	8.2	-446	8.23	259	17.9	168	1.84
Clark Fork River at Huson	8/22/2013	Field	8.9	-480	8.36	264	17.5	171	3.89
Clark Fork River at Huson	8/31/2013	Field	8.2	-404	8.37	231	17.3	150	3.78
Clark Fork River at Huson	9/19/2013	Field	9.6	-431	8.36	280	14.1	182	2.83
Clark Fork River above Flathead	7/11/2013	Field	8.8	-443	8.46	191	20.7	124	1.65
Clark Fork River above Flathead	7/25/2013	Field	9.7	-440	8.46	227	21.6	147	0.81
Clark Fork River above Flathead	7/31/2013	Field	9.1	-430	8.44	217	20.1	141	0.79
Clark Fork River above Flathead	8/22/2013	Field	7.0	-407	8.40	239	19.2	155	1.03
Clark Fork River above Flathead	8/31/2013	Field	8.8	-377	8.49	215	19.8	139	1.00
Clark Fork River above Flathead	9/19/2013	Field	8.9	-437	8.43	249	16.3	161	1.48
Clark Fork River below Thompson Falls	3/27/2013	Field	12.8	-41	8.25	186	5.8	121	1.77
Clark Fork River below Thompson Falls	4/22/2013	Field	11.8	207	8.28	162	6.6	105	4.90
Clark Fork River below Thompson Falls	5/21/2013	Field	11.1	187	8.19	147	12.0	96	7.07
Clark Fork River below Thompson Falls	6/21/2013	Field	10.5	242	8.38	163	15.1		3.90
Clark Fork River below Thompson Falls	7/18/2013	Field	8.2	171	8.29	179	22.9	116	1.45
Clark Fork River below Thompson Falls	8/15/2013	Field	8.8	167	8.39	187	23.2	121	0.95
Clark Fork River below Thompson Falls	9/19/2013	Field	8.1	160	8.26	195	18.1	127	1.06
Clark Fork River below Thompson Falls	10/24/2013	Field	11.5	177	8.14	189	9.4	123	1.60
Clark Fork River below Thompson Falls	11/12/2013	Field	12.4	163	8.05	217	6.3	141	1.40

Station Name	Start Date	Activity Type	Dissolved oxygen (mg/l)	Oxidation reduction potential (mV)	pH (s.u.)	Specific conductance (uS/cm)	Temperature, water (deg C)	Total dissolved solids (mg/l)	Turbidity (NTU)
Clark Fork River at Noxon	3/27/2013	Field	12.0	-79	7.88	189	5.5	122	1.07
Clark Fork River at Noxon	4/22/2013	Field	11.7	222	8.21	147	7.3	95	2.23
Clark Fork River at Noxon	5/21/2013	Field	11.4	208	8.03	131	11.6	85	6.25
Clark Fork River at Noxon	6/21/2013	Field	9.8	214	8.25	156	16.4		1.99
Clark Fork River at Noxon	7/18/2013	Field	7.4	201	7.80	164	18.4	107	0.72
Clark Fork River at Noxon	8/15/2013	Field	7.5	174	7.97	178	19.4	115	0.67
Clark Fork River at Noxon	9/19/2013	Field	6.6	138	8.09	187	19.4	121	0.61
Clark Fork River at Noxon	10/24/2013	Field	10.3	192	8.10	188	10.9	122	0.94
Clark Fork River at Noxon	11/12/2013	Field	10.9	204	8.10	212	7.6	138	1.39
Clark Fork River below Cabinet Gorge Dam	3/27/2013	Field	12.6	-74	7.84	185	5.3	119	1.37
Clark Fork River below Cabinet Gorge Dam	4/22/2013	Field	11.4	214	8.12	142	7.5	92	2.16
Clark Fork River below Cabinet Gorge Dam	5/8/2013	Field	15.5	192	8.19	152	10.0	99	2.02
Clark Fork River below Cabinet Gorge Dam	5/15/2013	Field	12.4	194	8.08	127	12.2	83	4.49
Clark Fork River below Cabinet Gorge Dam	5/21/2013	Field	12.5	205	8.04	124	11.8	82	6.98
Clark Fork River below Cabinet Gorge Dam	5/30/2013	Field	11.8	189	8.21	147	11.8	95	3.86
Clark Fork River below Cabinet Gorge Dam	5/31/2013	Field	12.6	164	8.18	154	12.1	100	3.74
Clark Fork River below Cabinet Gorge Dam	6/4/2013	Field	11.3	124	8.23	150	13.3	98	3.80
Clark Fork River below Cabinet Gorge Dam	6/5/2013	Field	11.6	231	8.24	152	13.5	99	3.87
Clark Fork River below Cabinet Gorge Dam	6/21/2013	Field	10.1	184	8.23	149	15.7		2.25
Clark Fork River below Cabinet Gorge Dam	7/18/2013	Field	8.0	231	8.18	162	20.8	105	1.01
Clark Fork River below Cabinet Gorge Dam	8/15/2013	Field	9.3	197	8.21	178	21.8	116	0.99
Clark Fork River below Cabinet Gorge Dam	9/19/2013	Field	7.5	140	8.03	185	19.7	120	0.82
Clark Fork River below Cabinet Gorge Dam	10/24/2013	Field	10.3	182	7.91	186	11.1	121	0.85
Clark Fork River below Cabinet Gorge Dam	11/12/2013	Field	11.0	202	8.05	211	8.0	137	1.56
Flathead River	7/11/2013	Field	8.4	-448	8.49	163	22.8	106	7.52
Flathead River	7/25/2013	Field	8.3	-414	8.61	156	25.0	101	1.01
Flathead River	7/31/2013	Field	11.1	-402	8.65	161	24.4	104	0.81
Flathead River	8/22/2013	Field	9.3	-410	8.63	166	22.4	107	0.91
Flathead River	8/31/2013	Field	8.2	-355	8.65	151	22.6	98	0.76
Flathead River	9/19/2013	Field	10.8	-441	8.49	172	17.7	111	0.94

2013 Chlorophyll-*a* Results for the Clark Fork River Basin

Weighted Averages are highlighted in blue.

Station Name	Start Date	Activity Type	Chlorophyll a (mg/m ²)	Ash-free Dry Weight (g/m ²)
Clark Fork River at Deer Lodge	6/28/2013	Weighted Average	245	71
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	149	29
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	212	79
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	281	95
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	337	100
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	50	27
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	99	36
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	172	71
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	155	60
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	127	39
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	167	89
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	85	49
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	291	47
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	659	192
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	249	71
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	280	83
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	218	65
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	440	72
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	405	67
Clark Fork River at Deer Lodge	6/28/2013	Routine Sample	277	85
Clark Fork River at Deer Lodge	8/4/2013	Weighted Average	331	111
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	237	117
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	273	189
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	200	54
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	285	147
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	240	98
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	262	149
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	341	129
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	221	87
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	339	87
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	396	123
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	290	75
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	106	28
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	225	65
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	448	132
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	580	184
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	715	172
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	339	85
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	662	136
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	958	226
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	227	82
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	515	174
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	272	69
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	85	21
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	153	41
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	139	36
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	236	
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	276	120
Clark Fork River at Deer Lodge	8/4/2013	Routine Sample	261	159
Clark Fork River at Deer Lodge	9/1/2013	Weighted Average	168	81
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	190	104
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	137	86
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	146	103
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	70	19
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	111	25
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	65	17
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	146	22
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	63	18

Station Name	Start Date	Activity Type	Chlorophyll a (mg/m²)	Ash-free Dry Weight (g/m²)
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	70	12
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	66	14
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	40	21
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	258	103
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	290	151
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	258	141
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	443	116
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	119	51
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	102	84
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	361	100
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	143	83
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	219	174
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	190	110
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	115	55
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	150	63
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	341	289
Clark Fork River at Deer Lodge	9/1/2013	Routine Sample	110	63
Clark Fork River above Little Blackfoot	6/28/2013	Weighted Average	60	59
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	63	16
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	24	21
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	64	55
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	33	17
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	27	71
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	40	54
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	48	83
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	62	108
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	< 4	< 0.4
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	22	21
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	72	68
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	151	60
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	92	87
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	81	77
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	87	83
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	127	120
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	67	59
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	54	33
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample		92
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	54	56
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	33	35
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	38	108
Clark Fork River above Little Blackfoot	6/28/2013	Routine Sample	90	42
Clark Fork River above Little Blackfoot	8/4/2013	Weighted Average	190	107
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	119	115
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	199	104
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	208	229
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	366	124
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	170	84
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	270	91
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	159	81
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	100	43
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	91	29
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	191	75
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	10	9
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	224	157
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	71	18
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	199	124
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	112	77
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	190	101
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	298	169
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	234	116
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	269	163

Station Name	Start Date	Activity Type	Chlorophyll a (mg/m ²)	Ash-free Dry Weight (g/m ²)
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	95	64
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	75	68
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	303	155
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	223	131
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	288	95
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	422	174
Clark Fork River above Little Blackfoot	8/4/2013	Routine Sample	240	188
Clark Fork River above Little Blackfoot	9/1/2013	Weighted Average	150	72
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	155	56
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	99	29
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	46	16
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	85	28
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	23	9
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	64	135
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	98	47
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	214	89
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	93	31
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	163	44
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	24	15
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	204	120
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	92	52
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	127	69
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	174	72
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	188	76
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	159	97
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	427	234
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	351	185
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	258	78
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	281	171
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	397	187
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	50	12
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	101	25
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	50	11
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	46	10
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	145	
Clark Fork River above Little Blackfoot	9/1/2013	Routine Sample	88	38
Clark Fork River at Bonita	6/28/2013	Weighted Average	99	78
Clark Fork River at Bonita	6/28/2013	Routine Sample	58	75
Clark Fork River at Bonita	6/28/2013	Routine Sample	168	61
Clark Fork River at Bonita	6/28/2013	Routine Sample	106	67
Clark Fork River at Bonita	6/28/2013	Routine Sample	148	67
Clark Fork River at Bonita	6/28/2013	Routine Sample	109	95
Clark Fork River at Bonita	6/28/2013	Routine Sample	160	53
Clark Fork River at Bonita	6/28/2013	Routine Sample	233	97
Clark Fork River at Bonita	6/28/2013	Routine Sample	106	59
Clark Fork River at Bonita	6/28/2013	Routine Sample	91	94
Clark Fork River at Bonita	6/28/2013	Routine Sample	106	61
Clark Fork River at Bonita	6/28/2013	Routine Sample	70	103
Clark Fork River at Bonita	6/28/2013	Routine Sample	55	99
Clark Fork River at Bonita	6/28/2013	Routine Sample	89	63
Clark Fork River at Bonita	6/28/2013	Routine Sample	76	87
Clark Fork River at Bonita	6/28/2013	Routine Sample	71	94
Clark Fork River at Bonita	6/28/2013	Routine Sample	91	82
Clark Fork River at Bonita	6/28/2013	Routine Sample	41	122
Clark Fork River at Bonita	6/28/2013	Routine Sample	68	105
Clark Fork River at Bonita	6/28/2013	Routine Sample	88	42
Clark Fork River at Bonita	6/28/2013	Routine Sample	46	36
Clark Fork River at Bonita	8/4/2013	Weighted Average	112	61
Clark Fork River at Bonita	8/4/2013	Routine Sample	170	60
Clark Fork River at Bonita	8/4/2013	Routine Sample	183	65
Clark Fork River at Bonita	8/4/2013	Routine Sample	65	38

Station Name	Start Date	Activity Type	Chlorophyll a (mg/m2)	Ash-free Dry Weight (g/m2)
Clark Fork River at Bonita	8/4/2013	Routine Sample	25	26
Clark Fork River at Bonita	8/4/2013	Routine Sample	28	17
Clark Fork River at Bonita	8/4/2013	Routine Sample	95	68
Clark Fork River at Bonita	8/4/2013	Routine Sample	145	118
Clark Fork River at Bonita	8/4/2013	Routine Sample	28	15
Clark Fork River at Bonita	8/4/2013	Routine Sample	150	66
Clark Fork River at Bonita	8/4/2013	Routine Sample	122	93
Clark Fork River at Bonita	8/4/2013	Routine Sample	70	31
Clark Fork River at Bonita	8/4/2013	Routine Sample	162	88
Clark Fork River at Bonita	8/4/2013	Routine Sample	130	71
Clark Fork River at Bonita	8/4/2013	Routine Sample	181	104
Clark Fork River at Bonita	8/4/2013	Routine Sample	113	44
Clark Fork River at Bonita	8/4/2013	Routine Sample	82	74
Clark Fork River at Bonita	8/4/2013	Routine Sample	128	61
Clark Fork River at Bonita	8/4/2013	Routine Sample	160	53
Clark Fork River at Bonita	8/4/2013	Routine Sample	63	40
Clark Fork River at Bonita	8/4/2013	Routine Sample	139	80
Clark Fork River at Bonita	9/1/2013	Weighted Average	120	64
Clark Fork River at Bonita	9/1/2013	Routine Sample	97	54
Clark Fork River at Bonita	9/1/2013	Routine Sample	171	70
Clark Fork River at Bonita	9/1/2013	Routine Sample	187	56
Clark Fork River at Bonita	9/1/2013	Routine Sample	123	100
Clark Fork River at Bonita	9/1/2013	Routine Sample	147	75
Clark Fork River at Bonita	9/1/2013	Routine Sample	115	121
Clark Fork River at Bonita	9/1/2013	Routine Sample	95	67
Clark Fork River at Bonita	9/1/2013	Routine Sample	204	74
Clark Fork River at Bonita	9/1/2013	Routine Sample	164	60
Clark Fork River at Bonita	9/1/2013	Routine Sample	134	43
Clark Fork River at Bonita	9/1/2013	Routine Sample	96	37
Clark Fork River at Bonita	9/1/2013	Routine Sample	25	12
Clark Fork River at Bonita	9/1/2013	Routine Sample	154	73
Clark Fork River at Bonita	9/1/2013	Routine Sample	81	42
Clark Fork River at Bonita	9/1/2013	Routine Sample	92	34
Clark Fork River at Bonita	9/1/2013	Routine Sample	72	171
Clark Fork River at Bonita	9/1/2013	Routine Sample	60	33
Clark Fork River at Bonita	9/1/2013	Routine Sample	98	42
Clark Fork River at Bonita	9/1/2013	Routine Sample	123	50
Clark Fork River at Bonita	9/1/2013	Routine Sample	154	55
Clark Fork River above Missoula	8/3/2013	Weighted Average	74	35
Clark Fork River above Missoula	8/3/2013	Routine Sample	26	23
Clark Fork River above Missoula	8/3/2013	Routine Sample	152	85
Clark Fork River above Missoula	8/3/2013	Routine Sample	247	69
Clark Fork River above Missoula	8/3/2013	Routine Sample	19	8
Clark Fork River above Missoula	8/3/2013	Routine Sample	77	41
Clark Fork River above Missoula	8/3/2013	Routine Sample	46	19
Clark Fork River above Missoula	8/3/2013	Routine Sample	65	24
Clark Fork River above Missoula	8/3/2013	Routine Sample	59	34
Clark Fork River above Missoula	8/3/2013	Routine Sample	111	34
Clark Fork River above Missoula	8/3/2013	Routine Sample	51	21
Clark Fork River above Missoula	8/3/2013	Routine Sample	82	28
Clark Fork River above Missoula	8/3/2013	Routine Sample	28	26
Clark Fork River above Missoula	8/3/2013	Routine Sample	88	33
Clark Fork River above Missoula	8/3/2013	Routine Sample	13	13
Clark Fork River above Missoula	8/3/2013	Routine Sample	74	45
Clark Fork River above Missoula	8/3/2013	Routine Sample	50	46
Clark Fork River above Missoula	8/3/2013	Routine Sample	37	27
Clark Fork River above Missoula	8/3/2013	Routine Sample	82	34
Clark Fork River above Missoula	8/3/2013	Routine Sample	25	12
Clark Fork River above Missoula	8/3/2013	Routine Sample	156	67
Clark Fork River above Missoula	9/2/2013	Weighted Average	93	38
Clark Fork River above Missoula	9/2/2013	Routine Sample	53	19

Station Name	Start Date	Activity Type	Chlorophyll a (mg/m2)	Ash-free Dry Weight (g/m2)
Clark Fork River above Missoula	9/2/2013	Routine Sample	67	28
Clark Fork River above Missoula	9/2/2013	Routine Sample	41	32
Clark Fork River above Missoula	9/2/2013	Routine Sample	114	44
Clark Fork River above Missoula	9/2/2013	Routine Sample	106	74
Clark Fork River above Missoula	9/2/2013	Routine Sample	75	16
Clark Fork River above Missoula	9/2/2013	Routine Sample	99	24
Clark Fork River above Missoula	9/2/2013	Routine Sample	7	19
Clark Fork River above Missoula	9/2/2013	Routine Sample	104	39
Clark Fork River above Missoula	9/2/2013	Routine Sample	147	31
Clark Fork River above Missoula	9/2/2013	Routine Sample	145	59
Clark Fork River above Missoula	9/2/2013	Routine Sample	51	25
Clark Fork River above Missoula	9/2/2013	Routine Sample	149	61
Clark Fork River above Missoula	9/2/2013	Routine Sample	67	10
Clark Fork River above Missoula	9/2/2013	Routine Sample	125	39
Clark Fork River above Missoula	9/2/2013	Routine Sample	144	55
Clark Fork River above Missoula	9/2/2013	Routine Sample	117	51
Clark Fork River above Missoula	9/2/2013	Routine Sample	33	52
Clark Fork River above Missoula	9/2/2013	Routine Sample	83	30
Clark Fork River above Missoula	9/2/2013	Routine Sample	141	51
Clark Fork River below Missoula	8/1/2013	Weighted Average	23	8
Clark Fork River below Missoula	8/1/2013	Routine Sample	25	9
Clark Fork River below Missoula	8/1/2013	Routine Sample	33	10
Clark Fork River below Missoula	8/1/2013	Routine Sample	12	4
Clark Fork River below Missoula	8/1/2013	Routine Sample	12	3
Clark Fork River below Missoula	8/1/2013	Routine Sample	12	7
Clark Fork River below Missoula	8/1/2013	Routine Sample	42	14
Clark Fork River below Missoula	8/1/2013	Routine Sample	38	11
Clark Fork River below Missoula	8/1/2013	Routine Sample	20	7
Clark Fork River below Missoula	8/1/2013	Routine Sample	39	14
Clark Fork River below Missoula	8/1/2013	Routine Sample	8	3
Clark Fork River below Missoula	8/1/2013	Routine Sample	7	2
Clark Fork River below Missoula	8/1/2013	Routine Sample	34	11
Clark Fork River below Missoula	8/1/2013	Routine Sample	4	2
Clark Fork River below Missoula	8/1/2013	Routine Sample	22	9
Clark Fork River below Missoula	8/1/2013	Routine Sample	29	11
Clark Fork River below Missoula	8/1/2013	Routine Sample	34	13
Clark Fork River below Missoula	8/1/2013	Routine Sample	21	7
Clark Fork River below Missoula	8/1/2013	Routine Sample	32	14
Clark Fork River below Missoula	8/1/2013	Routine Sample	12	5
Clark Fork River below Missoula	8/1/2013	Routine Sample	20	5
Clark Fork River below Missoula	9/2/2013	Weighted Average	81	14
Clark Fork River below Missoula	9/2/2013	Routine Sample	192	29
Clark Fork River below Missoula	9/2/2013	Routine Sample	74	13
Clark Fork River below Missoula	9/2/2013	Routine Sample	118	19
Clark Fork River below Missoula	9/2/2013	Routine Sample	71	14
Clark Fork River below Missoula	9/2/2013	Routine Sample	83	13
Clark Fork River below Missoula	9/2/2013	Routine Sample	85	15
Clark Fork River below Missoula	9/2/2013	Routine Sample	25	3
Clark Fork River below Missoula	9/2/2013	Routine Sample	33	9
Clark Fork River below Missoula	9/2/2013	Routine Sample	52	11
Clark Fork River below Missoula	9/2/2013	Routine Sample	36	8
Clark Fork River below Missoula	9/2/2013	Routine Sample	33	8
Clark Fork River below Missoula	9/2/2013	Routine Sample	76	14
Clark Fork River below Missoula	9/2/2013	Routine Sample	58	10
Clark Fork River below Missoula	9/2/2013	Routine Sample	111	24
Clark Fork River below Missoula	9/2/2013	Routine Sample	38	9
Clark Fork River below Missoula	9/2/2013	Routine Sample	81	15
Clark Fork River below Missoula	9/2/2013	Routine Sample	54	10
Clark Fork River below Missoula	9/2/2013	Routine Sample	257	35
Clark Fork River below Missoula	9/2/2013	Routine Sample	117	22
Clark Fork River below Missoula	9/2/2013	Routine Sample	35	9

Station Name	Start Date	Activity Type	Chlorophyll a (mg/m2)	Ash-free Dry Weight (g/m2)
Clark Fork River at Huson	7/31/2013	Weighted Average	10	4
Clark Fork River at Huson	7/31/2013	Routine Sample	14	5
Clark Fork River at Huson	7/31/2013	Routine Sample	10	3
Clark Fork River at Huson	7/31/2013	Routine Sample	10	4
Clark Fork River at Huson	7/31/2013	Routine Sample	11	5
Clark Fork River at Huson	7/31/2013	Routine Sample	26	9
Clark Fork River at Huson	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River at Huson	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River at Huson	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River at Huson	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River at Huson	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River at Huson	7/31/2013	Routine Sample	29	10
Clark Fork River at Huson	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River at Huson	7/31/2013	Routine Sample	10	4
Clark Fork River at Huson	7/31/2013	Routine Sample	5	3
Clark Fork River at Huson	7/31/2013	Routine Sample	14	8
Clark Fork River at Huson	7/31/2013	Routine Sample	30	10
Clark Fork River at Huson	7/31/2013	Routine Sample	10	4
Clark Fork River at Huson	7/31/2013	Routine Sample	7	2
Clark Fork River at Huson	7/31/2013	Routine Sample	10	3
Clark Fork River at Huson	8/31/2013	Weighted Average	23	4
Clark Fork River at Huson	8/31/2013	Routine Sample	16	2
Clark Fork River at Huson	8/31/2013	Routine Sample	21	5
Clark Fork River at Huson	8/31/2013	Routine Sample	11	2
Clark Fork River at Huson	8/31/2013	Routine Sample	33	7
Clark Fork River at Huson	8/31/2013	Routine Sample	24	5
Clark Fork River at Huson	8/31/2013	Routine Sample	39	5
Clark Fork River at Huson	8/31/2013	Routine Sample	22	3
Clark Fork River at Huson	8/31/2013	Routine Sample	34	7
Clark Fork River at Huson	8/31/2013	Routine Sample	38	7
Clark Fork River at Huson	8/31/2013	Routine Sample	13	4
Clark Fork River at Huson	8/31/2013	Routine Sample	11	2
Clark Fork River at Huson	8/31/2013	Routine Sample	34	4
Clark Fork River at Huson	8/31/2013	Routine Sample	22	6
Clark Fork River at Huson	8/31/2013	Routine Sample	18	2
Clark Fork River at Huson	8/31/2013	Routine Sample	18	3
Clark Fork River at Huson	8/31/2013	Routine Sample	7	1
Clark Fork River at Huson	8/31/2013	Routine Sample	19	3
Clark Fork River at Huson	8/31/2013	Routine Sample	10	3
Clark Fork River at Huson	8/31/2013	Routine Sample	33	7
Clark Fork River at Huson	8/31/2013	Routine Sample	34	7
Clark Fork River above Flathead	7/31/2013	Weighted Average	15	7
Clark Fork River above Flathead	7/31/2013	Routine Sample	4	2
Clark Fork River above Flathead	7/31/2013	Routine Sample	32	14
Clark Fork River above Flathead	7/31/2013	Routine Sample	35	15
Clark Fork River above Flathead	7/31/2013	Routine Sample	26	14
Clark Fork River above Flathead	7/31/2013	Routine Sample	25	13
Clark Fork River above Flathead	7/31/2013	Routine Sample	31	13
Clark Fork River above Flathead	7/31/2013	Routine Sample	11	7
Clark Fork River above Flathead	7/31/2013	Routine Sample	17	10
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 4	5
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 4	< 0.4
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 4	2
Clark Fork River above Flathead	7/31/2013	Routine Sample	4	2
Clark Fork River above Flathead	7/31/2013	Routine Sample	< 4	1
Clark Fork River above Flathead	7/31/2013	Routine Sample	7	9

Station Name	Start Date	Activity Type	Chlorophyll a (mg/m ²)	Ash-free Dry Weight (g/m ²)
Clark Fork River above Flathead	7/31/2013	Routine Sample	33	14
Clark Fork River above Flathead	7/31/2013	Routine Sample	37	13
Clark Fork River above Flathead	7/31/2013	Routine Sample	22	9
Clark Fork River above Flathead	8/31/2013	Weighted Average	16	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	18	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	28	11
Clark Fork River above Flathead	8/31/2013	Routine Sample	32	17
Clark Fork River above Flathead	8/31/2013	Routine Sample	14	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	12	5
Clark Fork River above Flathead	8/31/2013	Routine Sample	22	10
Clark Fork River above Flathead	8/31/2013	Routine Sample	9	4
Clark Fork River above Flathead	8/31/2013	Routine Sample	11	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	10	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	8	3
Clark Fork River above Flathead	8/31/2013	Routine Sample	4	
Clark Fork River above Flathead	8/31/2013	Routine Sample	39	15
Clark Fork River above Flathead	8/31/2013	Routine Sample	10	4
Clark Fork River above Flathead	8/31/2013	Routine Sample	12	5
Clark Fork River above Flathead	8/31/2013	Routine Sample	11	5
Clark Fork River above Flathead	8/31/2013	Routine Sample	17	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	16	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	13	7
Clark Fork River above Flathead	8/31/2013	Routine Sample	10	5
Clark Fork River above Flathead	8/31/2013	Routine Sample	15	5
Flathead River	7/31/2013	Weighted Average	9	6
Flathead River	7/31/2013	Routine Sample	4	7
Flathead River	7/31/2013	Routine Sample	< 4	< 0.4
Flathead River	7/31/2013	Routine Sample	< 4	< 0.4
Flathead River	7/31/2013	Routine Sample	< 4	1
Flathead River	7/31/2013	Routine Sample	6	1
Flathead River	7/31/2013	Routine Sample	< 4	2
Flathead River	7/31/2013	Routine Sample	25	17
Flathead River	7/31/2013	Routine Sample	16	10
Flathead River	7/31/2013	Routine Sample	18	11
Flathead River	7/31/2013	Routine Sample	10	8
Flathead River	7/31/2013	Routine Sample	15	12
Flathead River	8/31/2013	Weighted Average	6	5
Flathead River	8/31/2013	Routine Sample	15	8
Flathead River	8/31/2013	Routine Sample	5	3
Flathead River	8/31/2013	Routine Sample	9	9
Flathead River	8/31/2013	Routine Sample	< 4	9
Flathead River	8/31/2013	Routine Sample	6	4
Flathead River	8/31/2013	Routine Sample	7	7
Flathead River	8/31/2013	Routine Sample	8	11
Flathead River	8/31/2013	Routine Sample	< 4	< 0.4
Flathead River	8/31/2013	Routine Sample	< 4	< 0.4
Flathead River	8/31/2013	Routine Sample	< 4	< 0.4
Flathead River	8/31/2013	Routine Sample	< 4	< 0.4
Flathead River	8/31/2013	Routine Sample	8	5
Flathead River	8/31/2013	Routine Sample	< 4	< 0.4
Flathead River	8/31/2013	Routine Sample	5	3
Flathead River	8/31/2013	Routine Sample	< 4	1
Flathead River	8/31/2013	Routine Sample	7	3
Flathead River	8/31/2013	Routine Sample	5	
Flathead River	8/31/2013	Routine Sample	< 4	3
Flathead River	8/31/2013	Routine Sample	20	22
Flathead River	8/31/2013	Routine Sample	4	3