

APPENDIX D
DATA

FLOW HYDROGRAPHS

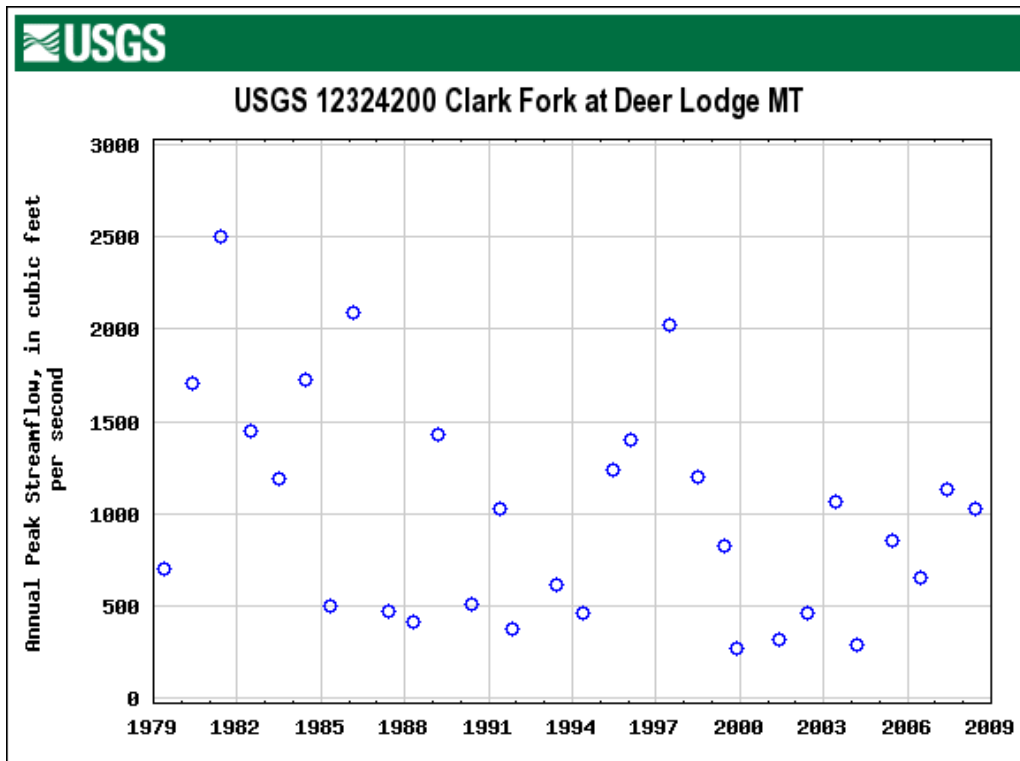


Figure D-1. Annual Peak Streamflow – Clark Fork at Deer Lodge, MT

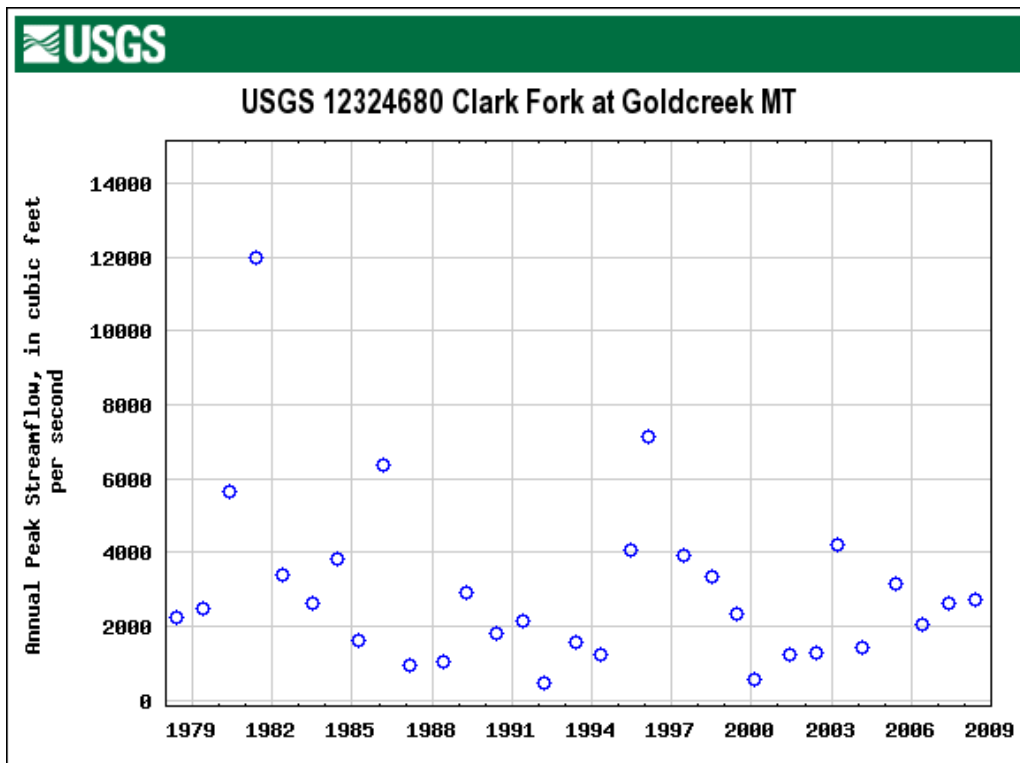


Figure D-2. Annual Peak Streamflow – Clark Fork at Goldcreek, MT

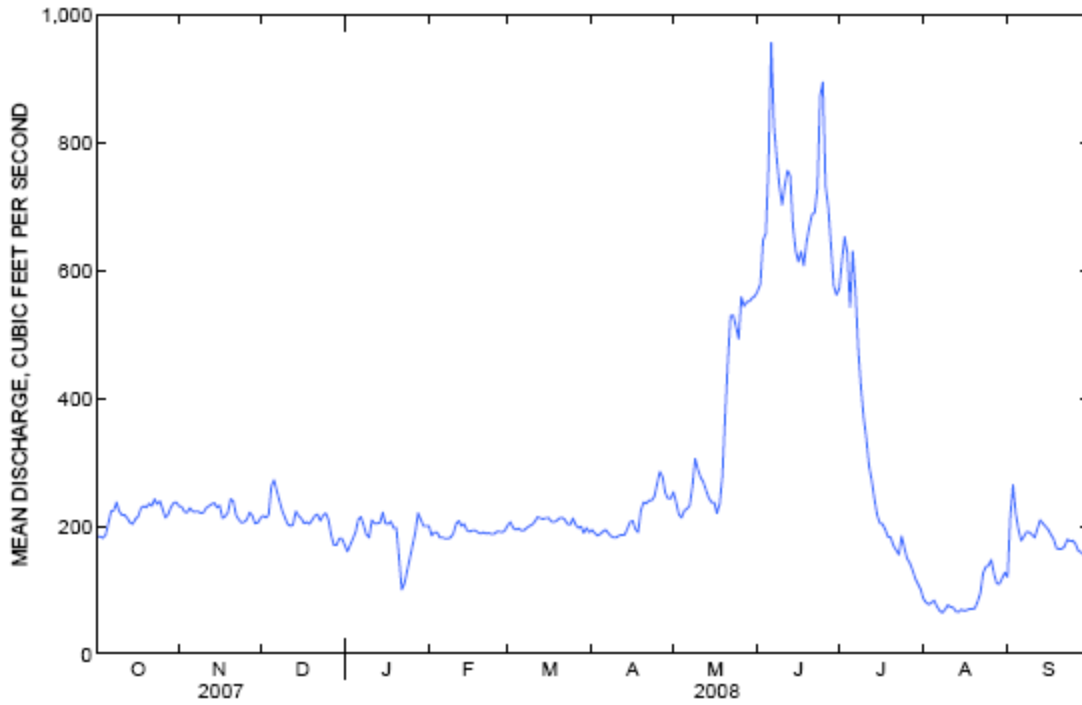


Figure D-3. Water Year 2008 Hydrograph for Clark Fork River at Deer Lodge, MT

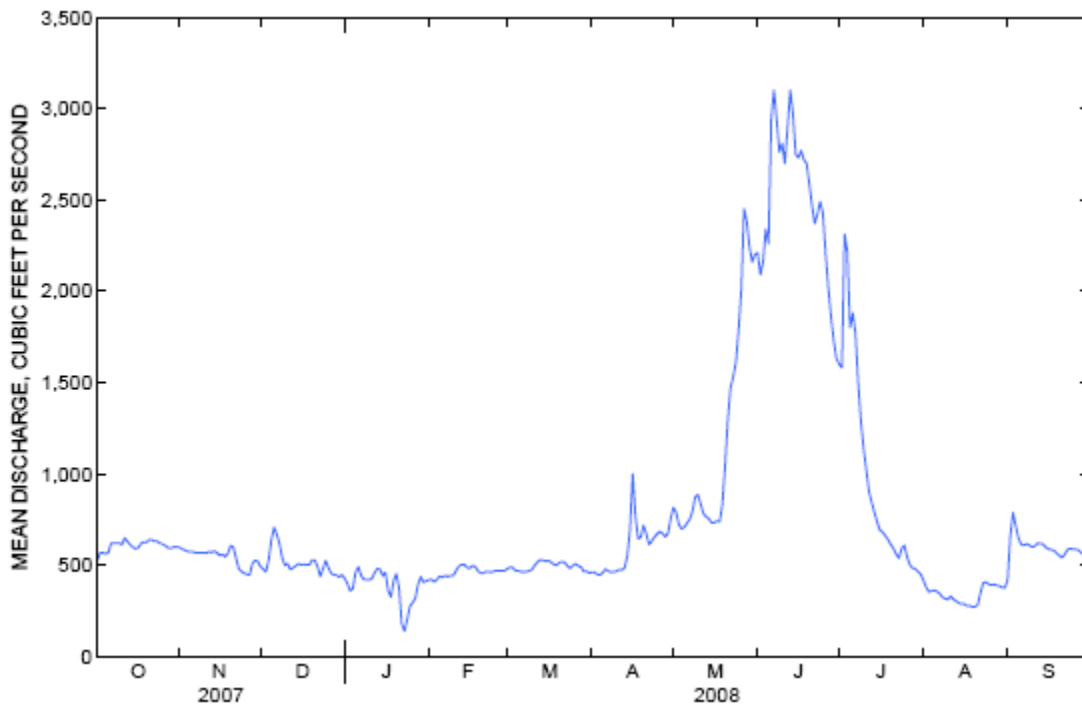


Figure D-4. Water Year 2008 Hydrograph for Clark Fork River near Drummond, MT

METALS RAW DATA

Table D-1. Recent DEQ total recoverable metals and TSS water quality data for the Upper Clark Fork TPA. "--" denotes no data.

Water Body Segment	Site ID	Sample Date	Hardness (mg/L)	Flow (cfs)	pH	As (ug/L)	Cd (ug/L)	Cu (ug/L)	Fe (ug/L)	Pb (ug/L)	Zn (ug/L)	TSS (ug/L)
Beefstraight Creek	BFS-01	8/21/2007	176	1.49	7.43	< 3	< .08	< 1	< 50	< .5	< 10	--
Beefstraight Creek	BFS-01	5/27/2008	159	28.67	7.5	< 3	< .08	1	80	< .5	< 10	--
Beefstraight Creek	BFS-02	8/21/2007	137	2.61	7.67	< 3	< .08	< 1	< 50	< .5	< 10	--
Beefstraight Creek	BFS-02	5/27/2008	64	19.66	7.71	3	< .08	2	210	< .5	< 10	--
Beefstraight Creek	BFS-03	5/28/2008	107	60.68	7.91	< 3	< .08	2	290	< .5	< 10	--
Beefstraight Creek	BFS-05	8/21/2007	147	4.78	7.23	< 3	< .08	< 1	< 50	< .5	< 10	--
Beefstraight Creek	BFS-05	5/28/2008	105	52.27	7.93	< 3	< .08	2	330	< .5	< 10	--
Upper Dunkleberg Creek	DNK-01	9/7/2007	295	0.9	6.89	< 3	1.09	5	790	48	130	--
Upper Dunkleberg Creek	DNK-01	5/20/2008	298	0.8	8.07	5	2.1	9	1580	112	240	--
Upper Dunkleberg Creek	DNK-02	9/7/2007	117	0.33	7	< 3	0.15	< 1	< 50	< .5	20	--
Upper Dunkleberg Creek	DNK-02	5/20/2008	91	2.66	7.91	< 3	< .08	1	290	0.6	< 10	--
Upper Dunkleberg Creek	DNK-03	9/11/2007	203	1.5	6.8	< 3	0.53	2	770	19.6	100	--
Upper Dunkleberg Creek	DNK-03	5/20/2008	188	1	8.12	< 3	1.91	2	480	12.8	140	--
Upper Dunkleberg Creek	DNK-05	9/11/2007	173	1.36	5.59	< 3	0.23	2	470	11.2	30	--
Upper Dunkleberg Creek	DNK-05	5/20/2008	131	3.61	8.04	7	1.81	14	3520	105	220	--
Lower Dunkleberg Creek	DNK-06	9/11/2007	196	0.022	6.96	< 3	< .08	1	330	< .5	< 10	--
Lower Dunkleberg Creek	DNK-06	5/20/2008	158	0.1	7.88	< 3	< .08	1	460	0.8	< 10	--
Lower Dunkleberg Creek	DNK-08	9/11/2007	205	2.5	6.82	3	< .08	2	330	1.5	< 10	--
Lower Dunkleberg Creek	DNK-08	5/20/2008	187	--	8.27	4	0.11	2	550	4.4	10	--
Lower Dunkleberg Creek	DNK-09	5/20/2008	120	8 E	7.89	15	0.19	24	1360	5.8	40	42000
German Gulch	GRM-01	8/20/2007	256	0.75	7.43	5	< .08	1	50	< .5	< 10	--
German Gulch	GRM-01	5/28/2008	146	19.82	7.57	5	< .08	3	180	< .5	< 10	--
German Gulch	GRM-02	8/20/2007	22.8	0.25	7.98	< 3	< .08	< 1	< 50	< .5	< 10	--
German Gulch	GRM-02	5/28/2008	25	3.76	7.29	5	< .08	6	430	< .5	< 10	--
German Gulch	GRM-03	8/20/2007	189	0.71	7.87	6	< .08	1	50	< .5	< 10	--
German Gulch	GRM-03	5/28/2008	124	22.71	7.41	5	< .08	4	170	< .5	< 10	--
German Gulch	GRM-04	8/20/2007	135	2.664	8.67	3	< .08	< 1	60	< .5	< 10	--
German Gulch	GRM-04	5/28/2008	101	91.18	7.8	4	< .08	3	280	< .5	< 10	--

Table D-1. Recent DEQ total recoverable metals and TSS water quality data for the Upper Clark Fork TPA. "--" denotes no data.

Water Body Segment	Site ID	Sample Date	Hardness (mg/L)	Flow (cfs)	pH	As (ug/L)	Cd (ug/L)	Cu (ug/L)	Fe (ug/L)	Pb (ug/L)	Zn (ug/L)	TSS (ug/L)
German Gulch	GRM-05	8/20/2007	138	4.94	7.97	5	< .08	< 1	60	< .5	< 10	--
German Gulch	GRM-05	5/28/2008	102	101.71	7.91	4	< .08	3	350	< .5	< 10	--
Upper Gold Creek	GLD-03	9/5/2007	78.9	1.82	8	< 3	< .08	< 1	80	< .5	< 10	--
Upper Gold Creek	GLD-03	5/20/2008	30	22.86	7.43	< 3	< .08	3	680	< .5	< 10	--
Upper Gold Creek	GLD-04	9/5/2007	65.9	3.54	7.87	< 3	< .08	< 1	< 50	< .5	< 10	--
Upper Gold Creek	GLD-04	5/20/2008	42	39.59	7.39	< 3	< .08	1	190	< .5	< 10	--
Lower Gold Creek	GLD-05	9/6/2007	86.9	12.12	8.07	< 3	< .08	< 1	< 50	< .5	< 10	< 10000
Lower Gold Creek	GLD-05	5/23/2008	41	79.3	7.46	< 3	< .08	1	330	< .5	< 10	< 10000
Lower Gold Creek	GLD-06	9/6/2007	186	0.75	8.12	5	< .08	2	1130	0.9	< 10	--
Lower Gold Creek	GLD-06	5/23/2008	92.5	5.61	7.56	5	< .08	7	5480	5.4	30	--
Lower Gold Creek	GLD-08	9/6/2007	316	0.44	7.88	5	< .08	< 1	< 50	< .5	< 10	< 10000
Lower Gold Creek	GLD-08	5/23/2008	191	4.4	8	3	< .08	1	70	< .5	< 10	< 10000
Lower Gold Creek	GLD-09	9/6/2007	267	6.89	8.03	4	< .08	1	70	< .5	< 10	< 10000
Lower Lost Creek	LST-01	9/7/2007	88.7	4.71	7.56	< 3	< .08	< 1	< 50	< .5	< 10	< 10000
Lower Lost Creek	LST-01	5/29/2008	58	23.4	7.43	< 3	< .08	2	140	< .5	< 10	< 10000
Lower Lost Creek	LST-04	9/4/2007	109	3.48	7.21	6	< .08	5	100	< .5	< 10	< 10000
Lower Lost Creek	LST-04	5/29/2008	82	12	7.65	4	< .08	8	220	0.9	7	5000
Lower Lost Creek	LST-06	9/7/2007	373	14.09	8.04	8	< .08	3	< 50	< .5	< 10	< 10000
Lower Lost Creek	LST-06	5/29/2008	418	13.51	8.11	11	< .08	4	100	0.3	7	10000
Lower Lost Creek	LST-07	8/31/2007	275	3.25	7.97	6	< .08	3	< 50	< .5	20	< 10000
Lower Lost Creek	LST-07	5/29/2008	399	34	8.19	18	0.02	4	110	0.2	5	< 10000
Modesty Creek	MDS-03	8/29/2007	141	4.28	8.11	6	< .08	2	430	< .5	< 10	--
Modesty Creek	MDS-03	5/29/2008	34	1.78	7.53	< 3	< .08	1	60	< .5	< 10	--
Modesty Creek	MDS-04	8/29/2007	319	6.38	7.88	14	< .08	5	430	0.6	< 10	--
Modesty Creek	MDS-04	5/29/2008	378	3.69	7.84	13	< .08	7	520	1	< 10	--
Lower Mill Creek	C01MILLC01	7/13/2004	46	45.31	8.02	4	< .1	1	40	< .5	< 10	3000
Upper Mill Creek	C01MILLC02	7/14/2004	23	15.62	7.74	< 3	< .1	< 1	< 10	< .5	< 10	3000
Upper Mill Creek	MLL-01	5/28/2008	30	77.75	7.69	< 3	< .08	3	170	< .5	< 10	--
Lower Mill Creek	MLL-02	8/27/2007	129	3.04	8.38	8	< .08	1	70	< .5	< 10	--
Lower Mill Creek	MLL-02	5/28/2008	56	30	7.89	26	< .08	7	470	1.6	< 10	--
Lower Mill Creek	MLL-03	8/27/2007	84.9	8.81	8.18	12	< .08	2	110	0.5	< 10	--

Upper Clark Fork River Tributaries Sediment, Metals, and Temperature TMDLs and Framework for Water Quality Restoration –
Appendix D

Table D-1. Recent DEQ total recoverable metals and TSS water quality data for the Upper Clark Fork TPA. "--" denotes no data.

Water Body Segment	Site ID	Sample Date	Hardness (mg/L)	Flow (cfs)	pH	As (ug/L)	Cd (ug/L)	Cu (ug/L)	Fe (ug/L)	Pb (ug/L)	Zn (ug/L)	TSS (ug/L)
Lower Mill Creek	MLL-03	5/28/2008	41	117.49	7.65	11	< .08	5	260	0.8	< 10	--
Lower Mill Creek	MLL-04	8/27/2007	81	10.01	8.22	17	< .08	2	180	< .5	< 10	--
Lower Mill Creek	MLL-04	5/28/2008	38	123	7.57	17	< .08	5	280	0.8	< 10	--
Lower Mill Creek	MLL-05	8/27/2007	82.9	10.1	8.07	27	< .08	3	200	< .5	< 10	--
Lower Mill Creek	MLL-05	5/28/2008	48	120	7.47	26	0.1	6	240	1	10	--
Lower Mill Creek	MLL-06	8/28/2007	87.3	0.59	7.71	28	< .08	2	< 50	< .5	< 10	--
Lower Mill Creek	MLL-06	5/28/2008	42	64	7.36	30	< .08	9	250	1.5	< 10	--
Upper Peterson Creek	PTR-01	9/4/2007	88	0.06	7.89	3	< .08	2	260	< .5	10	< 10000
Upper Peterson Creek	PTR-01	5/19/2008	42	1.07	7.13	6	< .08	5	720	0.9	< 10	12000
Upper Peterson Creek	PTR-02	9/4/2007	65	1.58	7.6	< 3	< .08	< 1	80	< .5	< 10	< 10000
Upper Peterson Creek	PTR-02	5/19/2008	24	2.19	7.46	< 3	< .08	2	560	< .5	< 10	11000
Upper Peterson Creek	PTR-06	9/4/2007	84	0.46	7.82	7	< .08	2	340	< .5	< 10	< 10000
Upper Peterson Creek	PTR-06	5/19/2008	39	20.52	7.03	5	< .08	7	1630	1.5	< 10	28000
Lower Peterson Creek	PTR-14	9/4/2007	262	0.12	8.42	11	< .08	3	550	0.6	< 10	13000
Lower Peterson Creek	PTR-14	5/19/2008	103	11.55	7.67	12	< .08	7	2080	2	10	41000
Upper Warm Springs Creek	C01WRMSC01	9/29/2006	117	--	8.4	2	< .08	< 1	30	< .5	0.6	< 1000
Lower Warm Springs Creek	C01WRMSC02	9/29/2006	114	--	8.5	2	< .08	< 1	30	< .5	1.4	1300
Upper Warm Springs Creek	WSA-01	8/29/2007	107	14.01	8.03	< 3	< .08	< 1	60	< .5	< 10	--
Upper Warm Springs Creek	WSA-01	5/29/2008	86	57.26	8.07	< 3	< .08	< 1	130	< .5	< 10	--
Upper Warm Springs Creek	WSA-02	8/29/2007	76	32.71	7.62	< 3	< .08	2	100	< .5	< 10	--
Upper Warm Springs Creek	WSA-02	5/29/2008	64	152.32	8.16	< 3	< .08	2	130	< .5	10	--
Upper Warm Springs Creek	WSA-03	8/30/2007	101	2.36	8.21	< 3	< .08	< 1	< 50	< .5	< 10	--
Upper Warm Springs Creek	WSA-03	5/29/2008	58	27.15	8	< 3	< .08	2	< 50	< .5	< 10	--
Upper Warm Springs Creek	WSA-04	8/30/2007	89	4.31	8.29	< 3	< .08	< 1	< 50	< .5	< 10	--
Upper Warm Springs Creek	WSA-04	5/29/2008	70	15.14	7.88	< 3	< .08	2	< 50	< .5	< 10	--
Upper Warm Springs Creek	WSA-05	8/30/2007	110	39.03	7.88	< 3	< .08	2	100	< .5	--	--
Upper Warm Springs Creek	WSA-05	5/29/2008	72	184.45	7.93	< 3	< .08	2	110	< .5	< 10	--
Lower Warm Springs Creek	WSA-06	8/30/2007	115	24.59	8.13	< 3	< .08	< 1	< 50	< .5	< 10	--
Lower Warm Springs Creek	WSA-06	5/29/2008	74	200	7.78	0.9	0.04	2	120	0.2	6	--
Lower Warm Springs Creek	WSA-07	8/30/2007	122	43.02	8.42	< 3	< .08	2	90	< .5	< 10	--
Lower Warm Springs Creek	WSA-07	5/30/2008	87	205	7.87	2	0.02	2	20	< .5	3	--

Table D-1. Recent DEQ total recoverable metals and TSS water quality data for the Upper Clark Fork TPA. "--" denotes no data.

Water Body Segment	Site ID	Sample Date	Hardness (mg/L)	Flow (cfs)	pH	As (ug/L)	Cd (ug/L)	Cu (ug/L)	Fe (ug/L)	Pb (ug/L)	Zn (ug/L)	TSS (ug/L)
Lower Warm Springs Creek	WSA-08	8/31/2007	153	37.79	7.88	5	< .08	5	80	< .5	< 10	--
Lower Warm Springs Creek	WSA-08	5/30/2008	101	156	7.82	4	0.07	17	260	1.6	9	--
Upper Willow Creek	C01WILWC01	7/14/2004	33	2.21	8.3	12	< .1	1	50	< .5	< 10	9000
Lower Willow Creek	C01WILWC02	7/14/2004	43	1.95	7.42	44	< .1	6	290	0.9	< 10	6000
Upper Willow Creek	WLW-01	8/28/2007	39.8	0.53	7.8	4	< .08	< 1	< 50	< .5	< 10	--
Upper Willow Creek	WLW-01	5/27/2008	29	21.14	7.14	6	< .08	4	450	1	< 10	--
Upper Willow Creek	WLW-02	8/28/2007	36.7	4.21	7.63	10	< .08	1	60	< .5	< 10	--
Upper Willow Creek	WLW-02	5/27/2008	20	24.44	7.44	26	0.5	20	3350	12.6	30	--
Upper Willow Creek	WLW-03	8/28/2007	32	0.97	7.58	32	0.09	4	280	0.8	< 10	--
Upper Willow Creek	WLW-03	5/27/2008	20	10.05	7.19	53	< .08	10	1460	4.5	10	--
Upper Willow Creek	WLW-04	8/28/2007	59.1	0.5	7.68	12	< .08	2	130	< .5	10	--
Upper Willow Creek	WLW-04	5/27/2008	44	6.99	7.27	19	0.11	8	760	2.4	< 10	--
Upper Willow Creek	WLW-05	8/29/2007	40.2	1.27	7.18	14	< .08	2	90	< .5	10	--
Upper Willow Creek	WLW-05	5/27/2008	31	98	6.9	24	< .08	14	2050	7.3	20	--
Lower Willow Creek	WLW-06	5/28/2008	135	0.24	7.57	42	< .08	5	80	< .5	< 10	--
Lower Willow Creek	WLW-08	8/29/2007	45	1.19	7.27	33	0.08	4	510	1.2	10	--
Lower Willow Creek	WLW-08	5/28/2008	29	75	7.37	23	< .08	11	1170	3.4	10	--
Lower Willow Creek	WLW-09	8/29/2007	45	0.84	8.11	35	0.1	5	540	1.5	20	--
Lower Willow Creek	WLW-09	5/28/2008	31	26.29	7.49	25	< .08	11	1140	3.1	10	--
Lower Willow Creek	WLW-11	9/13/2007	142	5.85	7.66	13	< .08	3	60	1.4	< 10	< 10000
Lower Willow Creek	WLW-11	5/28/2008	83	74.21	7.53	77	0.26	31	890	8	50	43000

Table D-2. Recent DEQ sediment metals data for the Upper Clark Fork TPA.

Station (Site) Name	Site ID	Sample Date	As (ug/g)	Cd (ug/g)	Cu (ug/g)	Fe (ug/g)	Pb (ug/g)	Zn (ug/g)
Beefstraight Creek	BFS-01	8/21/2007	23	1.5	37.7	17000	34.9	115
Beefstraight Creek	BFS-02	8/21/2007	16.3	1.15	32.5	14700	32.2	89
Beefstraight Creek	BFS-03	8/21/2007	16.9	1.14	37.3	16200	27.8	93
Beefstraight Creek	BFS-05	8/21/2007	15.4	0.96	36	16600	25.2	91
Upper Dunkleberg Creek	DNK-01	9/7/2007	240	34	276	52000	3160	3980
Upper Dunkleberg Creek	DNK-02	9/7/2007	23.7	5.4	222	26500	187	849
Upper Dunkleberg Creek	DNK-03	9/11/2007	18.7	6.65	116	26000	481	1240
Upper Dunkleberg Creek	DNK-05	9/11/2007	30.6	7.64	148	30400	445	1270
Lower Dunkleberg Creek	DNK-06	9/11/2007	5.5	< 0.5	76.7	16500	27.1	106
Lower Dunkleberg Creek	DNK-08	9/11/2007	9.1	1.75	131	23400	90.9	303
Gold Creek North Fork	GLD-03	9/5/2007	16.5	1.72	60.3	27200	18.8	145
Gold Creek upstream of North Fork	GLD-04	9/5/2007	8.6	1.32	40.8	21200	19.9	130
Gold Creek main stem downstream of Crevice Creek	GLD-05	9/6/2007	9.1	1.08	35.5	21100	18.4	123
Gold Creek (Blum Creek Tributary)	GLD-06	9/6/2007	5.6	< 0.5	23	18800	16	78
Gold Creek (Pikes Peak Creek Tributary)	GLD-08	9/6/2007	8	0.56	28.1	17500	13.2	76
Gold Creek before confluence with Clark Fork River	GLD-09	9/6/2007	8.2	< 0.5	24.6	18400	13	85
German Gulch, above confluence with Greenland Gulch trib	GRM-01	8/20/2007	62.7	0.97	106	20900	19.1	95
German Gulch, Greenland Gulch, above confl. with GG	GRM-02	8/20/2007	18.7	1.31	56.3	28100	28.6	94
German Gulch, immed. Above road crossing, above BFS confl.	GRM-03	8/20/2007	51.5	0.87	81.2	18000	24	62
German Gulch, at mouth of canyon on MT FWP	GRM-04	8/20/2007	36.1	1.99	59.1	23200	39.6	100
German Gulch, at Durant	GRM-05	8/20/2007	47.5	1.47	79.2	20900	31.4	85
Lost Creek just south of Lost Creek State Park	LST-01	9/7/2007	19.1	0.68	88.3	17900	26.7	110
Lost Creek above Galen Hwy bridge	LST-04	9/4/2007	40.4	1.74	483	18600	74	264
Lost Creek on ARCO hunting property (T5N,R10W, Sect 11)	LST-06	9/7/2007	92.1	2.5	520	19700	72.6	282
Lost Creek above confluence with Clark Fork River	LST-07	8/31/2007	48.4	2.01	439	18400	60.4	230
Modesty Creek, east of Modesty Ck. Rd. and Racetrack Rd.	MDS-03	8/29/2007	30.2	1.94	138	19500	40.5	154
Modesty Creek, between the frontage road and I-90	MDS-04	8/29/2007	17.6	1.09	105	19000	27.1	122
Mill Creek, tributary unnamed (T4N,R11W, Sect. 28)	MLL-02	8/27/2007	85.5	2.29	356	20400	130	428
Mill Creek, upgradient of Silver Ck. Tributary	MLL-03	8/27/2007	128	4.22	382	21900	142	419
Mill Creek, downgradient of Clear Creek	MLL-04	8/27/2007	373	3.7	454	28800	126	401
Mill Creek (T4N,R11W, Sect. 24)	MLL-05	8/27/2007	204	4.84	376	21800	128	330
Mill Creek above confluence with Clark Fork River	MLL-06	8/28/2007	392	7.28	543	24200	151	487
Peterson Creek at headwaters upgradient Jack Creek	PTR-01	9/4/2007	44	< 0.5	225	28500	36.8	149
Peterson Creek (Spring Creek Tributary)	PTR-02	9/4/2007	24.7	< 0.5	193	37800	35.3	156

Table D-2. Recent DEQ sediment metals data for the Upper Clark Fork TPA.

Station (Site) Name	Site ID	Sample Date	As (ug/g)	Cd (ug/g)	Cu (ug/g)	Fe (ug/g)	Pb (ug/g)	Zn (ug/g)
Peterson Creek downstream of Jack Creek	PTR-06	9/4/2007	41.1	< 0.5	223	32600	48	136
Peterson Creek before confluence with Clark Fork River	PTR-14	9/4/2007	14.4	0.81	213	24600	58.9	292
Willow Creek tributary to headwaters	WLW-01	8/28/2007	21	1.3	146	12300	46.2	119
Willow Creek at headwaters	WLW-02	8/28/2007	35.5	1.91	168	16500	63.5	153
Willow Creek, tributary	WLW-03	8/28/2007	50.4	3.29	262	17300	55.6	203
Willow Creek, tributary	WLW-04	8/28/2007	35.1	2.56	304	14600	73.6	217
Willow Creek main stem from Willow Creek Road	WLW-05	8/29/2007	57.1	2.53	286	18700	67.5	192
Willow Creek downstream of bridge to hunting property	WLW-08	8/29/2007	69.4	2.36	242	16000	68.9	231
Willow Creek upstream of Crackerville Hwy	WLW-09	8/29/2007	67.1	2.9	212	18400	75.7	222
Willow Creek at bridge on Stewart Street	WLW-11	9/13/2007	110	4.92	507	23300	249	881
Warm Springs Creek at headwaters	WSA-01	8/29/2007	19.4	0.57	174	17200	37	173
Warm Springs Creek downstream of Twin Lakes Creek	WSA-02	8/29/2007	29.8	< 0.5	346	18900	32.7	138
Warm Springs Creek north of tributary near Job Corps	WSA-03	8/30/2007	33.3	1.6	91.1	25500	54.3	196
Warm Springs Creek south of tributary near Job Corps	WSA-04	8/30/2007	15	1.19	105	10100	27.5	160
Warm Springs Creek main stem after Job Corps	WSA-05	8/30/2007	29	1.34	210	22100	33.3	320
Warm Springs Creek main stem after Job Corps	WSA-05	8/30/2007	27.9	1.27	208	20600	33.8	292
Warm Springs Creek upstream of Anaconda	WSA-06	8/30/2007	27.3	1.29	154	17000	33	259
Warm Springs Creek downstream of Anaconda	WSA-07	8/30/2007	16	0.82	244	25900	59.7	313
Warm Springs Creek above confluence with Clark Fork River	WSA-08	8/31/2007	85.2	2.48	1020	17800	83.8	367

STRATIFICATION RESULTS

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Antelope Creek	1	17am	1	1a	ANT-01	MT76G002_140	1	Begin		Grasses	Mature Coniferous	2753	Range	No	Forest	No	Good		Good		30	50	0	0	0	20	0	0	
Antelope Creek	1	17am	2	1a	ANT-02	MT76G002_140	2	Slope		Grasses	Grasses	455	Range	No	Road	Yes	Good		Fair		70	30	0	0	0	0	0	0	
Antelope Creek	3	17am	2	1a	ANT-03	MT76G002_140	3	Confinement		Grasses	Grasses	281	Road	Yes	Range	Yes	Fair		Fair		70	30	0	0	0	0	0	0	
Antelope Creek	3	17am	2	2a	ANT-04	MT76G002_140	4	Stream order		Grasses	Mature Coniferous	1218	Road	Yes	Forest	No	Fair		Good		50	50	0	0	0	0	0	0	
Antelope Creek	2	17am	2	2a	ANT-05	MT76G002_140	5	Confinement		Grasses	Mature Coniferous	1992	Road	Yes	Forest	No	Fair		Good		40	60	0	0	0	0	0	0	
Antelope Creek	1	17am	2	2a	ANT-06	MT76G002_140	6	Confinement		Grasses	Mature Coniferous	1152	Range	No	Forest	No	Good		Good		10	90	0	0	0	0	0	0	
Antelope Creek	2	17am	2	2a	ANT-07	MT76G002_140	7	Confinement		Grasses	Mature Deciduous	7261	Hay/Pasture	Yes	Forest	No	Fair		Good		30	20	0	0	0	40	0	10	Ranch buildings present (1 location)
Antelope Creek	2	17ak	2	2a	ANT-08	MT76G002_140	8	Ecoregion		Mature Deciduous	Mature Deciduous	5641	Road	Yes	Forest	No	Fair		Good		50	30	0	0	0	0	0	20	Ranch buildings present (2 locations)
Antelope Creek	2	17ak	3	2a	ANT-09	MT76G002_140	9	Slope		Grasses	Mature Deciduous	1112	Road	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		90	0	0	0	0	0	0	10	Ranch buildings present (1 location)
Antelope Creek	3	17ak	3	2a	ANT-10	MT76G002_140	10	Confinement		Grasses	Grasses	5150	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair	Farm Buildings present at upper end	Fair		10	30	0	0	0	50	0	10	Ranch buildings present (1 location)
Antelope Creek	3	17ak	3	2a	ANT-11	MT76G002_140	11	Land use/cover	Buffer; bridges	Grasses	Grasses	987	Road	Yes	Road	Yes	Fair		Fair		50	50	0	0	0	0	0	0	
Antelope Creek	3	17ak	3	2a	ANT-12	MT76G002_140	12	Land use/cover	End buffer	Grasses	Grasses	2044	Range	Yes	Road	Yes	Fair		Fair	Farm access road - confirmed by site visit	50	0	5	0	0	0	0	0	New sprinkler system being installed - site visit
Antelope Creek	3	17ak	3	2a	ANT-13	MT76G002_140	13	Land use/cover	Veg type	Grasses	Grasses	2062	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	0	1	0	0	0	0	0	
Brock Creek	1	17al	1	1a	BRK-01	MT76G005_100	1	Begin		Mature Coniferous	Mature Coniferous	1726	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Brock Creek	1	17al	2	1a	BRK-02	MT76G005_100	2	Slope		Mature Coniferous	Mature Coniferous	569	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Brock Creek	2	17al	2	1a	BRK-03	MT76G005_100	3	Confinement		Mature Coniferous	Mature Coniferous	1451	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Brock Creek	2	17al	2	2a	BRK-04	MT76G005_100	4	Stream order		Grasses	Mature Coniferous	1477	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Brock Creek	2	17al	2	2b	BRK-05	MT76G005_100	5	Stream order		Grasses	Grasses	657	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Brock Creek	2	17al	2	2c	BRK-06	MT76G005_100	6	Stream order		Mature Coniferous	Mature Coniferous	2633	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Brock Creek	2	17al	2	2d	BRK-07	MT76G005_100	7	Stream order		Mature Coniferous	Grasses	757	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Brock Creek	1	17al	2	2d	BRK-08	MT76G005_100	8	Land use/cover	Canopy density; 2nd trigger: Confinement	Mature Coniferous	Mature Coniferous	1453	Forest	Yes	Forest	Yes	Fair		Fair		0	0	0	0	30	0	70	0	
Brock Creek	1	17al	2	2d	BRK-09	MT76G005_100	9	Land use/cover	Canopy Density	Mature Coniferous	Mature Coniferous	2812	Forest	Yes	Forest	Yes	Fair		Fair		10	0	0	0	0	0	90	0	
Brock Creek	1	17al	2	2e	BRK-10	MT76G005_100	10	Stream order	2nd Trigger: Land use/cover; Veg change	Mature Coniferous	Mature Coniferous	678	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		30	40	0	0	10	0	20	0	
Brock Creek	2	17al	2	2f	BRK-11	MT76G005_100	11	Stream order	2nd trigger: confinement	Mature Coniferous	Mature Coniferous	4980	Road	Yes	Harvest/Fire	Yes	Fair		Fair		30	40	0	0	10	0	20	0	
Brock Creek	2	17al	2	2g	BRK-12	MT76G005_100	12	Stream order		Shrubs	Shrubs	1209	Road	Yes	Harvest/Fire	Yes	Fair		Fair		30	40	0	0	10	0	20	0	
Brock Creek	2	17al	2	2h	BRK-13	MT76G005_100	13	Stream order		Shrubs	Shrubs	6446	Road	Yes	Harvest/Fire	Yes	Fair		Fair		40	40	0	0	10	0	10	0	
Brock Creek	2	17al	2	3a	BRK-14	MT76G005_100	14	Stream order		Shrubs	Shrubs	1118	Road	Yes	Harvest/Fire	Yes	Fair		Fair		40	50	0	0	0	0	10	0	
Brock Creek	2	17al	3	3a	BRK-15	MT76G005_100	15	Slope		Shrubs	Shrubs	5647	Road	Yes	Harvest/Fire	Yes	Fair		Fair		40	50	0	0	0	0	10	0	
Brock Creek	2	17al	2	3a	BRK-16	MT76G005_100	16	Slope		Mature Coniferous	Mature Coniferous	1340	Road	Yes	Range	Yes	Fair		Fair		30	50	0	0	0	0	20	0	
Brock Creek	3	17ak	2	3a	BRK-17	MT76G005_100	17	Ecoregion	2nd trigger: Confinement, Land use/cover; veg	Shrubs	Shrubs	1122	Road	Yes	Range	Yes	Fair	Major mine tailings - site visit	Fair	Grazing impacted streambanks - site visit	10	50	0	40	0	0	0	0	
Brock Creek	3	17ak	3	3a	BRK-18	MT76G005_100	18	Slope		Shrubs	Shrubs	912	Range	Yes	Range	Yes	Good	Major mine tailings	Fair	Grazing impacted streambanks	10	50	0	40	0	0	0	0	
Brock Creek	3	17ak	3	3b	BRK-19	MT76G005_100	19	Stream order		Shrubs	Shrubs	19045	Road	Yes	Range	Yes	Fair		Fair		40	40	0	0	0	0	20	0	
Brock Creek	3	17ak	3	3c	BRK-20	MT76G005_100	20	Stream order		Shrubs	Shrubs	5182	Road	Yes	Range	Yes	Fair		Fair		40	40	0	0	0	0	20	0	
Brock Creek	3	17ak	3	3c	BRK-21	MT76G005_100	21	Land use/cover	Residential Area	Grasses	Shrubs	1973	Hay/Pasture	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair	Small rural subdivision	60	20	0	0	0	20	0	0	
Brock Creek	3	17ak	3	3c	BRK-22	MT76G005_100	22	Land use/cover	End residential area	Grasses	Shrubs	1926	Rural Res./Hobby Farm	Yes	Road	Yes	Fair		Fair		60	0	0	0	0	40	0	40	Rural Residence
Brock Creek	3	17ak	3	3c	BRK-23	MT76G005_100	23	Land use/cover	Bridge	Grasses	Grasses	540	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	0	0	0	0	100	0	0	
Brock Creek	3	17ak	3	3c	BRK-24	MT76G005_100	24	Land use/cover	Bridge	Bare	Bare	348	Road	Yes	Road	Yes	Poor		Poor		10	0	0	0	0	0	0	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Cable Creek	1	17am	1	1a	CBL-01	MT76G002_030	1	Begin		Mature Conifers	Mature Conifers	2890	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Cable Creek	1	17am	2	1a	CBL-02	MT76G002_030	2	Slope		Mature Conifers	Mature Conifers	570	Road	Yes	Forest	No	Fair		Good		50	0	0	0	0	0	50	0	
Cable Creek	3	17am	2	1a	CBL-03	MT76G002_030	3	Confinement		Mature Conifers	Mature Conifers	2456	Road	Yes	Forest	No	Fair		Good		70	0	0	0	0	0	30	0	
Cable Creek	3	17am	2	1a	CBL-04	MT76G002_030	4	Land use/cover	Logging	Grasses	Grasses	1528	Road	Yes	Harvest/ Fire	Yes	Fair		Fair		40	0	0	0	60	0	0	0	
Cable Creek	3	17am	2	1a	CBL-05	MT76G002_030	5	Land use/cover	Canopy density	Mature Conifers	Mature Conifers	1557	Forest	Yes	Road	Yes	Fair		Fair		50	0	0	0	0	0	50	0	
Cable Creek	2	17am	2	1a	CBL-06	MT76G002_030	6	Confinement		Mature Conifers	Mature Conifers	753	Forest	Yes	Road	Yes	Fair		Fair		30	0	0	0	0	0	70	0	
Cable Creek	3	17am	2	1a	CBL-07	MT76G002_030	7	Confinement		Mature Conifers	Mature Conifers	720	Forest	Yes	Forest	Yes	Fair		Fair		10	0	0	0	50	0	40	0	
Cable Creek	3	17am	2	1a	CBL-08	MT76G002_030	8	Land use/cover	Logging	Grasses	Grasses	1214	Harvest/ Fire	Yes	Road	Yes	Fair		Fair		30	0	0	0	60	0	10	0	
Cable Creek	3	17am	3	1a	CBL-09	MT76G002_030	9	Slope	Buffer; 2nd trigger land use; logging to natural	Grasses	Grasses	1486	Wetland	Yes	Wetland	Yes	Fair		Fair		30	0	0	0	0	0	70	0	
Cable Creek	3	17am	3	2a	CBL-10	MT76G002_030	10	Stream order	Buffer	Grasses	Grasses	730	Wetland	Yes	Wetland	No	Fair		Good		40	0	0	0	0	0	60	0	
Cable Creek	3	17am	3	2a	CBL-11	MT76G002_030	11	Land use/cover	Canopy density/ veg type	Mature Conifers	Mature Conifers	2694	Road	Yes	Forest	Yes	Fair		Fair		60	0	0	0	0	0	40	0	
Cable Creek	3	17am	3	2a	CBL-12	MT76G002_030	12	Land use/cover	Buffer; wetland, beaver complex	Grasses	Grasses	7736	Wetland	Yes	Wetland	Yes	Fair		Fair		20	0	0	0	0	0	80	0	
Cable Creek	3	17am	3	2a	CBL-13	MT76G002_030	13	Land use/cover	Buffer; wetland			1189	Road	Yes	Wetland	No	Fair		Good		50	0	0	0	0	0	50	0	
Cable Creek	3	17am	3	3a	CBL-14	MT76G002_030	14	Stream order		Shrubs	Mature Conifers	1463	Road	Yes	Road	Yes	Fair		Fair		80	0	0	0	0	0	20	0	
Cable Creek	3	17am	2	3a	CBL-15	MT76G002_030	15	Slope		Mature Conifers	Mature Conifers	2784	Road	Yes	Forest	No	Fair		Good		60	0	0	0	0	0	40	40	
Cable Creek	3	17am	3	3a	CBL-16	MT76G002_030	16	Slope		Mature Conifers	Mature Conifers	3800	Road	Yes	Forest	Yes	Fair		Fair	Rural Subdivision @lower end	90	0	0	0	0	0	10	0	
Dempsey Creek	3	17am	2	1a	DMP-01		1	Begin		Mature Conifers	Mature Conifers	6214	Forest	No	Forest	No	Good	Wilderness	Good	Wilderness	0	0	0	0	0	0	100	0	
Dempsey Creek	3	17am	2	2a	DMP-02		2	Stream order		Mature Conifers	Mature Conifers	4165	Forest	Yes	Forest	Yes	Fair	Jeep Trail	Fair	Jeep Trail	10	0	0	0	0	0	90	0	
Dempsey Creek	1	17am	1	2a	DMP-03		3	Slope	2nd Trigger: Confinement	Mature Conifers	Mature Conifers	1745	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Dempsey Creek	3	17am	2	2a	DMP-04		4	Slope	2nd trigger: Confinement	Mature Conifers	Mature Conifers	354	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Dempsey Creek	3	17am	2	2b	DMP-05		5	Stream order		Mature Conifers	Mature Conifers	3701	Forest	No	Forest	Yes	Good		Fair	Jeep Trail	10	0	0	0	0	0	90	0	
Dempsey Creek	3	17am	2	2c	DMP-06		6	Stream order		Mature Conifers	Mature Conifers	1029	Forest	Yes	Forest	No	Fair	Jeep Trail	Good		0	0	0	0	0	0	100	0	
Dempsey Creek	3	17am	3	2c	DMP-07		7	Slope		Mature Conifers	Mature Conifers	3395	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Dempsey Creek	3	17am	3	2d	DMP-08		8	Stream order		Mature Conifers	Mature Conifers	568	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Dempsey Creek	2	17am	3	2e	DMP-09		9	Stream order	2nd trigger: Confinement	Mature Conifers	Mature Conifers	2134	Forest	Yes	Forest	No	Fair	Jeep Trail	Good		30	0	0	0	0	0	70	0	
Dempsey Creek	1	17am	1	2e	DMP-10		10	Slope	2nd trigger: confinement	Mature Conifers	Mature Conifers	1208	Forest	Yes	Forest	No	Fair	Jeep Trail	Good		30	0	0	0	0	0	70	0	
Dempsey Creek	3	17am	3	2e	DMP-11		11	Slope	2nd trigger: confinement	Mature Conifers	Mature Conifers	822	Forest	Yes	Forest	No	Fair	Jeep Trail	Good		0	0	0	0	0	0	100	0	
Dempsey Creek	3	17am	3	2f	DMP-12		12	Stream order		Grasses	Mature Conifers	1797	Wetland	Yes	Wetland	No	Fair	Jeep Trail	Good		0	0	0	0	0	0	100	0	
Dempsey Creek	3	17am	2	2f	DMP-13		13	Slope		Mature Conifers	Mature Conifers	1803	Forest	Yes	Forest	No	Fair	Jeep Trail	Good		0	0	0	0	0	0	100	0	
Dempsey Creek	1	17am	1	2f	DMP-14		14	Slope	2nd trigger: confinement	Mature Conifers	Mature Conifers	1065	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Dempsey Creek	2	17am	2	2f	DMP-15		15	Slope	2nd trigger: confinement	Mature Conifers	Mature Conifers	3108	Forest	Yes	Forest	No	Fair	Jeep Trail	Good		10	0	0	0	0	0	90	0	
Dempsey Creek	2	17am	2	2g	DMP-16		16	Stream order		Mature Conifers	Mature Conifers	2060	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Dempsey Creek	3	17am	2	2g	DMP-17		17	Confinement		Mature Conifers	Mature Conifers	953	Forest	Yes	Forest	Yes	Fair	ATV Trails	Fair	ATV Trails	20	0	0	0	0	0	80	0	
Dempsey Creek	3	17am	2	2g	DMP-18		18	Land use/cover	Canopy density	Mature Conifers	Mature Conifers	4224	Forest	Yes	Forest	Yes	Fair	ATV Trails	Fair	ATV Trails	20	0	0	0	0	0	80	0	
Dempsey Creek	3	17ak	2	2g	DMP-19		19	Ecoregion		Mature Conifers	Mature Conifers	1278	Range	Yes	Range	Yes	Fair	ATV Trails	Fair	ATV Trails	20	0	0	0	0	0	80	0	
Dempsey Creek	3	17ak	2	2g	DMP-20	MT76G002_100	20	Begin listed segment		Shrubs	Shrubs	2640	Range	Yes	Range	Yes	Fair	ATV Trails	Fair	ATV Trails	20	0	0	0	0	0	80	0	
Dempsey Creek	1	17ak	1	2g	DMP-21	MT76G002_100	21	Slope	2nd trigger: confinement	Mature Deciduous	Mature Deciduous	2585	Range	Yes	Range	Yes	Fair	ATV Trails	Fair	ATV Trails	0	10	0	0	0	0	90	0	
Dempsey Creek	1	17ak	2	3a	DMP-22	MT76G002_100	22	Stream order	2nd trigger: slope	Bare Ground/ grazed	Mature Deciduous	989	Rural Res./ Hobby Farm	Yes	Hay/ Pasture	Yes	Poor		Fair		0	50	0	0	0	50	0	0	
Dempsey Creek	3	17ak	2	3a	DMP-23	MT76G002_100	23	Confinement		Shrubs	Mature Deciduous	2892	Rural Res./ Hobby Farm	Yes	Rural Res./ Hobby Farm	Yes	Fair		Fair		10	50	0	0	0	40	0	0	
Dempsey Creek	3	17ak	2	3a	DMP-24	MT76G002_100	24	Land use/cover	Farmstead	Shrubs	Grass	2164	Rural Res./ Hobby Farm	Yes	Hay/ Pasture	Yes	Fair		Fair		0	40	0	0	0	60	0	0	
Dempsey Creek	3	17ak	4	3a	DMP-25	MT76G002_100	25	Slope	2nd trigger: land use/cover; farmstead	Shrubs	Shrubs	2966	Rural Res./ Hobby Farm	Yes	Rural Res./ Hobby Farm	Yes	Fair		Fair		0	60	0	0	0	40	0	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes	
Dempsey Creek	3	17ak	4	3a	DMP-26	MT76G002_100	26	Land use/cover	Grazing/cultivation	Grass	Shrubs	8152	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	50	0	0	0	50	0	0		
Dempsey Creek	3	17ak	4	3a	DMP-27	MT76G002_100	27	Land use/cover	Buffer; several ditches	Grass	Grass	1247	Road	Yes	Hay/Pasture	Yes	Fair		Fair		20	20	0	0	0	60	0	0		
Dempsey Creek	3	17ak	4	3a	DMP-28	MT76G002_100	28	Land use/cover	End of reach with ditches	Grass	Grass	3350	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		20	0	0	0	0	80	0	0		
Dempsey Creek	3	17ak	5	3a	DMP-29	MT76G002_100	29	Slope		Grass	Grass	2829	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	0	0	0	0	10	0	0		
Dempsey Creek	3	17ak	5	3a	DMP-30	MT76G002_100	30	Land use/cover	Tilled land	Grass	Grass	4557	Agriculture (row crops)	Yes	Agriculture (row crops)	Yes	Fair	Pivot Irrigation	Fair	Pivot Irrigation		0	0	0	0	0	1000	0	0	
Dempsey Creek	3	17ak	4	3a	DMP-31	MT76G002_100	31	Slope		Grass	Grass	3661	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	0	0	0	0	10	0	0		
Dempsey Creek	3	17ak	5	3a	DMP-32	MT76G002_100	32	Slope	2nd trigger: land use/cover	Grass	Grass	5310	Rural Res./Hobby Farm	Yes	Hay/Pasture	Yes	Fair		Fair		0	20	30	0	0	50	0	0		
Dempsey Creek	3	17ak	5	3a	DMP-33	MT76G002_100	33	Land use/cover	Buffer; ditch	Grass	Grass	1659	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	50	0	0	0	50	0	0		
Dempsey Creek	3	17ak	5	3a	DMP-34	MT76G002_100	34	Land use/cover		Grass	Grass	3350	Road	Yes	Road	Yes	Fair	Interstate Hwy	Fair		40	30	0	0	0	30	0	0		
Dempsey Creek	3	17ak	5	3a	DMP-35	MT76G002_100	35	Land use/cover	Range	Grass	Grass	1518	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		20	30	0	0	0	50	0	0		
Dunkleberg Creek	1	17am	1	1a	DNK-01	MT76G005_071	1	Begin		Mature Conifers	Mature Conifers	1763	Forest	Yes	Forest	Yes	Fair		Fair		0	0	0	0	10	0	90	0		
Dunkleberg Creek	1	17am	1	2a	DNK-02	MT76G005_071	2	Stream order		Mature Conifers	Mature Conifers	2815	Forest	Yes	Forest	Yes	Fair	Mine @ lower end	Fair		30	0	0	70	0	0	0	0		
Dunkleberg Creek	1	17am	1	2b	DNK-03	MT76G005_071	3	Stream order		Mature Conifers	Mature Conifers	792	Forest	Yes	Forest	Yes	Fair	Mine @ upper end	Fair		10	0	0	10	0	0	80	0		
Dunkleberg Creek	1	17am	2	3a	DNK-04	MT76G005_071	4	Stream order	2nd trigger: Slope	Mature Conifers	Mature Conifers	1524	Road	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0		
Dunkleberg Creek	2	17am	2	3a	DNK-05	MT76G005_071	5	Confinement		Mature Conifers	Mature Conifers	3371	Road	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0		
Dunkleberg Creek	2	17am	2	3b	DNK-06	MT76G005_071	6	Stream order		Mature Conifers	Mature Conifers	4011	Road	Yes	Forest	Yes	Fair		Fair		20	0	0	0	0	0	80	0		
Dunkleberg Creek	2	17am	3	3b	DNK-07	MT76G005_071	7	Slope		Shrubs	Shrubs	1121	Road	Yes	Forest	Yes	Fair		Fair		20	0	0	0	0	0	80	0		
Dunkleberg Creek	2	17am	3	3b	DNK-08	MT76G005_071	8	Land use/cover	Canopy Density	Shrubs	Shrubs	2189	Road	Yes	Forest	Yes	Fair		Fair		40	0	0	0	0	0	60	0		
Dunkleberg Creek	2	17ak	3	3b	DNK-09	MT76G005_071	9	Ecoregion		Shrubs	Mature Coniferous	1530	Road	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		40	40	0	0	0	0	20	0		
Dunkleberg Creek	2	17ak	3	3c	DNK-10	MT76G005_071	10	Stream order		Shrubs	Shrubs	825	Road	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		60	40	0	0	0	0	0	0		

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Dunkleberg Creek	2	17ak	3	3c	DNK-11	MT76G005_072	11	Listed segment change		Bare Ground/grazed	Bare Ground/grazed	580	Rural Res./Hobby Farm	Yes	Rural Res./Hobby Farm	Yes	Poor		Poor		0	10	0	0	0	0	0	0	
Dunkleberg Creek	3	17ak	3	3c	DNK-12	MT76G005_072	12	Confinement		Grass	Grass	1927	Hay/Pasture	Yes	Hay/Pasture	Yes	Poor		Poor		0	10	0	0	0	0	0	0	
Dunkleberg Creek	3	17ak	3	3c	DNK-13	MT76G005_072	13	Land use/cover	Nontilled	Grass	Grass	4624	Agriculture (row crops)	Yes	Agriculture (row crops)	Yes	Fair		Fair		0	20	8	0	0	0	0	0	
Dunkleberg Creek	3	17ak	3	3d	DNK-14	MT76G005_072	14	Stream order	2nd trigger: Land use/cover; range	Grass	Shrubs	3431	Range	Yes	Range	Yes	Poor		Fair		0	70	0	0	0	0	30	0	
Dunkleberg Creek	3	17ak	4	3d	DNK-15	MT76G005_072	15	Slope		Grass	Shrubs	2784	Range	Yes	Range	Yes	Poor		Fair		0	70	0	0	0	0	30	0	
Dunkleberg Creek	3	17ak	4	3e	DNK-16	MT76G005_072	16	Stream order	2nd trigger: Land use/cover; nontilled	Grass	Shrubs	922	Agriculture (row crops)	Yes	Hay/Pasture	Yes	Poor		Fair		0	20	8	0	0	0	0	0	
Dunkleberg Creek	3	17ak	4	3e	DNK-17	MT76G005_072	17	Land use/cover	Range	Shrubs	Shrubs	1553	Road	Yes	Hay/Pasture	Yes	Fair		Fair		20	60	2	0	0	0	0	0	
Dunkleberg Creek	3	17ak	4	3e	DNK-18	MT76G005_072	18	Land use/cover	Nontilled	Grass	Grass	2253	Hay/Pasture	Yes	Agriculture (row crops)	Yes	Fair		Fair		0	0	5	0	0	50	0	0	
Dunkleberg Creek	3	17ak	4	3e	DNK-19	MT76G005_072	19	Land use/cover	Range	Grass	Grass	1928	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		30	0	0	0	0	70	0	0	
Dunkleberg Creek	3	17ak	4	3e	DNK-20	MT76G005_072	20	Land use/cover	Ditch	Grass	Grass	3593	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		10	0	0	0	0	90	0	0	
Gold Creek	3	17am	2	1a	GLD-01	MT76G005_091	1	Begin		Mature Conifers	Mature Conifers	5720	Forest	No	Forest	Yes	Good		Fair		10	0	0	0	0	0	90	0	
Gold Creek	3	17am	2	2a	GLD-02	MT76G005_091	2	Stream order		Mature Conifers	Mature Conifers	2387	Forest	No	Forest	Yes	Good		Fair		10	0	0	0	0	0	90	0	
Gold Creek	3	17am	3	2a	GLD-03	MT76G005_091	3	Slope		Grasses	Mature conifers	1698	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Gold Creek	3	17am	3	2a	GLD-04	MT76G005_091	4	Land use/cover	Canopy density	Grasses	Mature conifers	687	Forest	No	Forest	Yes	Good		Fair		10	0	0	0	0	0	90	0	
Gold Creek	3	17am	2	2a	GLD-05	MT76G005_091	5	Slope		Mature Conifers	Mature Conifers	3658	Forest	Yes	Harvest/Fire	Yes	Fair		Fair		40	0	0	0	40	0	20	0	
Gold Creek	1	17am	1	2a	GLD-06	MT76G005_091	6	Slope	2nd trigger: confinement	Mature Conifers	Mature Conifers	806	Forest	Yes	Road	Yes	Fair		Fair		80	0	0	0	20	0	0	0	
Gold Creek	1	17am	2	2b	GLD-07	MT76G005_091	7	Stream order	2nd trigger: Slope	Mature conifers	Bare ground/grazed	1441	Harvest/Fire	Yes	Rural Res./Hobby Farm	Yes	Fair		Poor		20	0	0	0	80	0	0	0	
Gold Creek	1	17am	2	3a	GLD-08	MT76G005_091	8	Stream order		Shrubs	Shrubs	712	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		20	0	0	0	80	0	0	0	
Gold Creek	3	17am	2	3a	GLD-09	MT76G005_091	9	Confinement		Shrubs	Shrubs	2092	Harvest/Fire	Yes	Road	Yes	Fair		Fair		40	0	0	0	60	0	0	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes	
Gold Creek	1	17am	2	3a	GLD-10	MT76G005_091	10	Confinement	2nd trigger: Land use/cover; Canopy density	Mature conifers	Mature Conifers	951	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		40	0	0	0	60	0	0	0		
Gold Creek	3	17am	2	3a	GLD-11	MT76G005_091	11	Confinement		Mature Conifers	Mature Conifers	3931	Forest	Yes	Harvest/Fire	Yes	Fair		Fair		20	0	0	0	50	0	30	0		
Gold Creek	1	17am	1	3a	GLD-12	MT76G005_091	12	Slope	2nd trigger: Confinement	Mature Conifers	Mature Conifers	2646	Forest	Yes	Forest	Yes	Fair		Fair		0	0	0	0	0	0	100	0		
Gold Creek	1	17am	1	3b	GLD-13	MT76G005_091	13	Stream order		Mature Conifers	Mature Conifers	1919	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0		
Gold Creek	2	17am	2	3b	GLD-14	MT76G005_091	14	Slope	2nd trigger: confinement	Mature Conifers	Mature Conifers	1455	Forest	No	Road	Yes	Good		Fair		30	0	0	0	0	0	70	0		
Gold Creek	3	17am	3	3b	GLD-15	MT76G005_091	15	Slope	2nd trigger: confinement	Shrubs	Shrubs	3567	Forest	No	Harvest/Fire	Yes	Good		Fair		30	0	0	0	40	0	30	0		
Gold Creek	3	17am	3	3b	GLD-16	MT76G005_091	16	Land use/cover	Canopy density	Shrubs	Shrubs	9211	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		20	0	0	0	80	0	0	0		
Gold Creek	3	17ak	3	3b	GLD-17	MT76G005_092	17	Ecoregion	2nd trigger: Stream listing change	Mature Conifers	Mature Conifers	2507	Forest	Yes	Forest	Yes	Fair		Fair		20	0	0	0	0	0	40	40	Rural Residences	
Gold Creek	3	17ak	3	3c	GLD-18	MT76G005_092	18	Stream order		Shrubs	Shrubs	4471	Road	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		60	0	0	0	0	0	0	40	Multiple Rural Residences	
Gold Creek	3	17ak	3	3c	GLD-19	MT76G005_092	19	Land use/cover	Range	Shrubs	Shrubs	5943	Hay/Pasture	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		20	20	3	0	0	20	0	0		
Gold Creek	3	17ak	3	3d	GLD-20	MT76G005_092	20	Stream order		Grass	Grass	11618	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		30	20	0	0	0	50	0	0		
Gold Creek	3	17ak	4	3d	GLD-21	MT76G005_092	21	Slope		Grass	Grass	970	Hay/Pasture	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		0	20	0	0	0	80	0	0		
Gold Creek	3	17ak	4	4a	GLD-22	MT76G005_092	22	Stream order		Grass	Grass	16286	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		10	20	0	0	0	70	0	0		
Hoover Creek	1	17al	1	1a	HVR-01	MT76G005_081	1	Begin		Mature Coniferous	Mature Coniferous	7013	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		20	0	0	0	50	0	30	0		
Hoover Creek	1	17al	1	2a	HVR-02	MT76G005_081	2	Stream order		Mature Coniferous	Mature Coniferous	763	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		50	0	0	0	50	0	0	0		
Hoover Creek	1	17al	2	2a	HVR-03	MT76G005_081	3	Slope		Mature Coniferous	Shrubs	339	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		60	0	0	0	40	0	0	0		
Hoover Creek	2	17al	2	3a	HVR-04	MT76G005_081	4	Stream order	2nd trigger: confinement	Mature Coniferous	Shrubs	924	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		50	0	0	0	50	0	0	0		
Hoover Creek	2	17al	2	3b	HVR-05	MT76G005_081	5	Stream order		Mature Coniferous	Mature Coniferous	11733	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		40	0	0	0	50	0	10	0		
Hoover Creek	3	17al	3	3b	HVR-06	MT76G005_081	6	Slope	2nd trigger: Confinement	Mature Coniferous	Grasses	1435	Road	Yes	Range	Yes	Fair		Fair		40	0	0	0	40	0	20	0		
Hoover Creek	3	17al	3	3b	HVR-07	MT76G005_081	7	Land use/cover	Veg type	Shrubs	Shrubs	5163	Harvest/Fire	Yes	Road	Yes	Fair		Fair		50	0	0	0	50	0	0	0		
Hoover Creek	3	17al	3	3b	HVR-08	MT76G005_081	8	Land use/cover	Buffer; lake			1783						Large Pond		Large Pond		0	0	0	0	0	0	0	10	Pond

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Hoover Creek	3	17al	3	4a	HVR-09	MT76G005_082	9	Stream order	2nd trigger: Listed segment change, end buffer	Mature Coniferous	Mature Coniferous	1886	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		50	0	0	0	40	0	10	0	
Hoover Creek	3	17al	4	4a	HVR-10	MT76G005_082	10	Slope		Grasses	Shrubs	1558	Harvest/Fire	Yes	Road	Yes	Fair		Fair		50	0	0	0	40	0	10	0	
Hoover Creek	3	17al	4	4a	HVR-11	MT76G005_082	11	Land use/cover	Veg type	Grasses	Grasses	9109	Harvest/Fire	Yes	Road	Yes	Fair		Fair		50	0	0	0	40	0	10	0	
Hoover Creek	3	17ak	4	4a	HVR-12	MT76G005_082	12	Ecoregion	2nd trigger: Land use/cover; veg type	Grasses	Grasses	2185	Forest	Yes	Road	Yes	Fair	Pond @ lower end	Fair	Pond @ lower end	50	20	0	0	20	0	10	0	
Hoover Creek	3	17ak	3	4a	HVR-13	MT76G005_082	13	Slope		Shrubs	Shrubs	1671	Forest	Yes	Road	Yes	Fair		Fair		50	20	0	0	20	0	10	0	
Hoover Creek	3	17ak	3	4a	HVR-14	MT76G005_082	14	Land use/cover	Dam, range	Grasses	Grasses	6617	Forest	Yes	Road	Yes	Fair	Pond @ upper end	Fair	Pond @ upper end	40	30	0	0	10	0	20	0	
Hoover Creek	3	17ak	3	4a	HVR-15	MT76G005_082	15	Land use/cover	Bridge, veg type	Grasses	Grasses	2351	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	20	0	0	0	80	0	0	
Hoover Creek	3	17ak	4	4a	HVR-16	MT76G005_082	16	Slope		Grasses	Grasses	4384	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	20	0	0	0	40	0	0	
Hoover Creek	3	17ak	4	4a	HVR-17	MT76G005_082	17	Land use/cover	Interstate bridges	Bare ground	Bare ground	1204	Road	Yes	Road	Yes	Poor	Interstate Hwy	Poor	Interstate Hwy	10	0	0	0	0	0	0	0	
Hoover Creek	3	17ak	4	4a	HVR-18	MT76G005_082	18	Land use/cover	Channelized, end interstate section	Grasses	Grasses	1371	Rural Res./Hobby Farm	Yes	Hay/Pasture	Yes	Fair		Fair		20	20	0	0	0	60	0	0	
Mill Creek	3	17h	2	1a	MLL-01	MT76G002_051	1	Begin		Shrubs	Shrubs	1132	Forest	No	Forest	No	Good	Alpine	Good	Alpine	0	0	0	0	0	0	100	0	
Mill Creek	2	17h	2	1a	MLL-02	MT76G002_051	2	Confinement		Mature Conifers	Mature Conifers	774	Forest	No	Forest	No	Good	Alpine	Good	Alpine	0	0	0	0	0	0	100	0	
Mill Creek	2	17am	2	1a	MLL-03	MT76G002_051	3	Ecoregion		Mature Conifers	Mature Conifers	577	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	2	1a	MLL-04	MT76G002_051	4	Ecoregion		Mature Conifers	Mature Conifers	1048	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	2	1a	MLL-05	MT76G002_051	5	Land use/cover	Buffer; reservoir			1449									0	0	0	0	0	0	100	0	
Mill Creek	3	17am	2	1a	MLL-06	MT76G002_051	6	Land use/cover	End buffer	Mature Conifers	Mature conifers	5677	Forest	Yes	Forest	No	Fair	Roads > 100' away	Good		10	0	0	0	0	0	90	0	
Mill Creek	3	17am	2	2a	MLL-07	MT76G002_051	7	Stream order		Mature conifers	Mature conifers	2041	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	2	2b	MLL-08	MT76G002_051	8	Stream order		Mature conifers	Mature conifers	3275	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	2	2c	MLL-09	MT76G002_051	9	Stream order		Mature conifers	Mature conifers	2123	Road	Yes	Forest	No	Fair	Possible landslide	Good		20	0	0	0	0	0	80	0	
Mill Creek	1	17am	2	2c	MLL-10	MT76G002_051	10	Confinement		Mature conifers	Mature conifers	658	Road	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0	
Mill Creek	1	17am	2	2d	MLL-11	MT76G002_051	11	Stream order		Mature conifers	Mature conifers	455	Road	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0	
Mill Creek	1	17am	2	2e	MLL-12	MT76G002_051	12	Stream order		Mature conifers	Mature conifers	446	Road	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0	
Mill Creek	1	17am	1	2e	MLL-	MT76G002_051	13	Slope		Mature	Mature	915	Road	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
					13					conifers	conifers																		
Mill Creek	1	17am	2	2e	MLL-14	MT76G002_051	14	Slope		Mature conifers	Mature conifers	5034	Road	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	2	2e	MLL-15	MT76G002_051	15	Confinement		Mature conifers	Mature conifers	2063	Road	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Mill Creek	3	17am	2	2f	MLL-16	MT76G002_051	16	Stream order		Mature conifers	Mature conifers	1390	Road	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Mill Creek	3	17am	3	2f	MLL-17	MT76G002_051	17	Slope		Mature conifers	Mature conifers	1682	Road	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Mill Creek	3	17am	3	2f	MLL-18	MT76G002_051	18	Land use/cover	Buffer; wetland	Shrubs	Mature conifers	1665	Road	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Mill Creek	3	17am	3	2f	MLL-19	MT76G002_051	19	Land use/cover	End buffer	Shrubs	Mature conifers	946	Road	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Mill Creek	3	17am	2	2f	MLL-20	MT76G002_051	20	Slope		Mature Conifers	Mature Conifers	2020	Road	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Mill Creek	3	17am	3	2f	MLL-21	MT76G002_051	21	Slope		Shrubs	Shrubs	2068	Road	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Mill Creek	3	17am	3	2f	MLL-22	MT76G002_051	22	Land use/cover	Buffer; wetland	Shrubs	Shrubs	532	Wetland	No	Wetland	No	Good		Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	3	2f	MLL-23	MT76G002_051	23	Land use/cover	End buffer	Shrubs	Shrubs	1056	Road	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0	
Mill Creek	3	17am	3	2f	MLL-24	MT76G002_051	24	Land use/cover	Buffer; wetland	Shrubs	Shrubs	1083	Wetland	No	Wetland	No	Good	Road > 100' away	Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	3	2f	MLL-25	MT76G002_051	25	Land use/cover	End buffer	Mature conifers	Mature conifers	685	Road	Yes	Forest	Yes	Fair		Fair		50	0	0	0	0	0	50	0	
Mill Creek	1	17am	3	2f	MLL-26	MT76G002_051	26	Confinement		Bare	Mature conifers	1100	Range	No	Forest	No	Poor	Large bare slope mostly	Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	3	2f	MLL-27	MT76G002_051	27	Confinement		Mature conifers	Mature conifers	6318	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Mill Creek	3	17am	3	3a	MLL-28	MT76G002_051	28	Stream order		Shrubs	Shrubs	2372	Road	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		50	0	0	0	0	0	20	30	Streambanks denuded around residence
Mill Creek	3	17ak	3	3a	MLL-29	MT76G002_051	29	Ecoregion		Shrubs	Shrubs	1051	Road	Yes	Rural Res./Hobby Farm	Yes	Fair	No Buildings, but definely disturbed	Fair		0	0	0	0	0	0	20	80	Lots of bare streambank, Field looks moved?
Mill Creek	3	17ak	2	3a	MLL-30	MT76G002_051	30	Slope		Mature conifers	Mature conifers	2418	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair	Some roads also	Fair	Some roads also	30	0	0	0	20	0	50	0	
Mill Creek	3	17ak	3	3a	MLL-31	MT76G002_051	31	Slope		Shrubs	Shrubs	3192	Road	Yes	Road	Yes	Fair		Fair		40	20	0	0	0	0	40	0	
Mill Creek	3	17ak	2	3a	MLL-32	MT76G002_051	32	Slope		Shrubs	Shrubs	4185	Road	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		50	20	0	0	0	0	30	0	
Mill Creek	3	17ak	3	3a	MLL-33	MT76G002_051	33	Slope		Mature deciduous	Mature deciduous	672	Forest	Yes	Forest	Yes	Fair		Fair		10	40	0	0	0	0	50	0	
Mill Creek	3	17ak	3	3a	MLL-34	MT76G002_052	34	Listed segment change		Mature deciduous	Mature deciduous	1424	Forest	Yes	Forest	Yes	Fair		Fair		10	40	0	0	0	0	50	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Mill Creek	3	17ak	3	4a	MLL-35	MT76G002_052	35	Stream order		Mature deciduous	Mature deciduous	7082	Rural Res./Hobby Farm	Yes	Road	Yes	Fair		Fair		40	40	0	0	0	0	20	0	
Mill Creek	3	17ak	3	4a	MLL-36	MT76G002_052	36	Land use/cover	Buffer	Mature deciduous	Grass	1046	Wetland	Yes	Rural Res./Hobby Farm	Yes	Fair	Road at lower end	Poor		40	40	0	0	0	0	20	0	
Mill Creek	3	17ak	3	4a	MLL-37	MT76G002_052	37	Land use/cover	End buffer	Mature deciduous	Mature deciduous	5783	Range	Yes	Range	Yes	Fair	Rural Res. at upper end	Fair	Rural res. at lower end	20	50	0	0	0	0	30	0	
Mill Creek	3	17ak	3	4b	MLL-38	MT76G002_052	38	Stream order		Mature deciduous	Mature deciduous	5948	Road	Yes	Road	Yes	Fair		Fair		60	30	0	0	0	0	10	0	
Mill Creek	3	17ak	3	4b	MLL-39	MT76G002_052	39	Land use/cover	Ditch	Mature deciduous	Mature deciduous	2796	Road	Yes	Range	No	Fair		Good		60	30	0	0	0	0	10	0	
Mill Creek	3	17ak	3	4b	MLL-40	MT76G002_052	40	Land use/cover	Ditch	Mature deciduous	Mature deciduous	5075	Range	Yes	Range	Yes	Fair	Some roads	Fair	Some roads	50	40	0	0	0	0	10	0	
Mill Creek	3	17ak	3	4b	MLL-41	MT76G002_052	41	Land use/cover	Buffer; bridges	Shrubs	Shrubs	287	Road	Yes	Road	Yes	Fair		Fair		10	0	0	0	0	0	0	0	
Mill Creek	3	17ak	3	4b	MLL-42	MT76G002_052	42	Land use/cover	End buffer	Bare ground/grazed	Bare ground/grazed	2698	Range	Yes	Road	Yes	Poor	Big Electrical Substation?	Poor		50	40	0	0	0	0	10	0	Substation
Mill Creek	3	17ak	4	4b	MLL-42	MT76G002_052	42	Slope		Shrubs	Shrubs	4941	Range	Yes	Range	Yes	Fair	Interstate at lower end	Fair	Interstate at lower end	20	60	0	0	0	0	20	0	
Mill Creek	3	17ak	4	4b	MLL-43	MT76G002_052	43	Land use/cover	Ditch, bridge, residential	Grass	Grass	15209	Urban	Yes	Urban	Yes	Fair	Golf course at upper end	Fair		50	0	0	0	0	30	20	0	Golf course
Modesty Creek	1	17am	1	1a	MDS-01	MT76G002_080	1	Begin		Mature conifers	Mature conifers	5890	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair	2/3 logged	Fair	2/3 logged	10	0	0	0	60	0	30	0	Extensive logging
Modesty Creek	1	17am	1	1a	MDS-02	MT76G002_080	2	Land use/cover	Canopy density	Mature conifers	Mature conifers	833	Forest	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0	
Modesty Creek	1	17am	1	2a	MDS-03	MT76G002_080	3	Stream order		Mature conifers	Mature conifers	4006	Road	Yes	Forest	No	Fair		Good		30	40	0	0	0	0	30	0	
Modesty Creek	3	17am	2	2a	MDS-04	MT76G002_080	4	Slope	2nd trigger: confinement	Mature deciduous	Mature deciduous	664	Road	Yes	Forest	Yes	Fair		Fair	Pond with road access	40	50	0	0	0	0	10	0	
Modesty Creek	3	17am	2	2b	MDS-05	MT76G002_080	5	Stream order		Mature deciduous	Mature deciduous	3857	Forest	Yes	Forest	No	Fair		Good		0	50	0	0	0	0	50	0	
Modesty Creek	3	17am	2	2b	MDS-06	MT76G002_080	6	Land use/cover	Veg type, canopy density	Grasses	Grasses	662	Range	Yes	Range	Yes	Fair		Fair		0	90	0	0	0	0	10	0	
Modesty Creek	3	17am	3	2b	MDS-07	MT76G002_080	7	Slope		Grasses	Grasses	760	Range	Yes	Range	Yes	Fair		Fair		0	90	0	0	0	0	10	0	
Modesty Creek	3	17am	3	2c	MDS-08	MT76G002_080	8	Stream order	2nd: Land use/cover; veg type	Mature deciduous	Mature deciduous	1219	Range	Yes	Range	Yes	Fair		Fair		0	60	0	0	0	0	40	0	
Modesty Creek	3	17ak	3	2c	MDS-09	MT76G002_080	9	Ecoregion		Mature deciduous	Mature deciduous	1587	Range	Yes	Range	Yes	Fair		Fair		0	60	0	0	0	0	40	0	
Modesty Creek	3	17ak	3	2c	MDS-10	MT76G002_080	10	Land use/cover	Veg type	Grasses	Grasses	1683	Range	Yes	Range	Yes	Fair		Fair		10	80	0	0	0	0	10	0	
Modesty Creek	3	17ak	3	2d	MDS-11	MT76G002_080	11	Stream order		Grasses	Grasses	1468	Road	Yes	Range	Yes	Fair		Fair		50	40	0	0	0	0	10	0	
Modesty Creek	3	17ak	3	2d	MDS-12	MT76G002_080	12	Land use/cover	Veg type	Shrubs	Mature deciduous	3853	Road	Yes	Range	Yes	Fair		Fair		40	30	0	0	0	0	30	0	Beaver ponds at lower end

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Modesty Creek	3	17ak	3	2e	MDS-13	MT76G002_080	13	Stream order	2nd: Land use/cover; veg type	Grasses	Grasses	1369	Road	Yes	Road	Yes	Fair		Fair		40	40	0	0	0	0	20	0	
Modesty Creek	3	17ak	2	2e	MDS-14	MT76G002_080	14	Slope		Mature conifers	Mature conifers	813	Range	Yes	Range	Yes	Fair		Fair		10	60	0	0	0	0	30	0	
Modesty Creek	2	17ak	2	2e	MDS-15	MT76G002_080	15	Confinement		Shrubs	Shrubs	1338	Road	Yes	Road	Yes	Fair		Fair		50	50	0	0	0	0	0	0	
Modesty Creek	2	17ak	4	2f	MDS-16	MT76G002_080	16	Stream order	2nd trigger: slope	Mature deciduous	Mature deciduous	1044	Road	Yes	Range	Yes	Fair		Fair		40	50	0	0	0	0	10	0	
Modesty Creek	3	17ak	4	2f	MDS-17	MT76G002_080	17	Confinement		Mature deciduous/grass	Mature deciduous/grass	2895	Road	Yes	Range	Yes	Fair		Fair		40	40	0	0	0	0	20	0	
Modesty Creek	3	17ak	4	2g	MDS-18	MT76G002_080	18	Stream order		Bare/ grass	Bare/ grass	1867	Rural Res./ Hobby Farm	Yes	Rural Res./Hobby Farm	Yes	Poor		Poor	Livestock Holding Facility	0	80	0	0	0	20	0	0	Ranch Buildings
Modesty Creek	3	17ak	4	2h	MDS-19	MT76G002_080	19	Stream order		Grass	Grass	832	Range	Yes	Range	Yes	Fair		Fair		0	90	0	0	0	0	10	0	
Modesty Creek	3	17ak	3	2h	MDS-20	MT76G002_080	20	Slope		Grass	Grass	1502	Range	Yes	Agriculture (row Crops)	Yes	Fair		Fair		0	70	0	0	0	30	0	0	
Modesty Creek	3	17ak	4	2h	MDS-21	MT76G002_080	21	Slope		Grass	Grass	3105	Range	Yes	Range	Yes	Fair	Farm buildings at lower end	Fair	Farm buildings at lower end	20	80	0	0	0	0	0	0	Ranch Buildings
Modesty Creek	3	17ak	4	2h	MDS-22	MT76G002_080	22	Land use/cover	Tilled	Grass	Grass	5832	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair	Pivot Irrigation	Fair	Pivot Irrigation	0	20	8	0	0	0	0	0	
Modesty Creek	3	17ak	4	2h	MDS-23	MT76G002_080	23	Land use/cover	Range	Grass	Grass	677	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	50	0	0	0	50	0	0	
Modesty Creek	3	17ak	4	2j	MDS-24	MT76G002_080	24	Stream order		Grass	Grass	546	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	50	0	0	0	50	0	0	
Modesty Creek	3	17ak	4	3a	MDS-25	MT76G002_080	25	Stream order		Grass	Grass	1035	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		10	20	0	0	0	70	0	0	
Modesty Creek	3	17ak	4	3a	MDS-26	MT76G002_080	26	Land use/cover	Buffer; reservoir	Grass	Grass	1389	Agriculture (row crops)	Yes	Hay/Pasture	Yes	Fair		Fair	Pond at lower end	0	20	0	0	0	80	0	0	
Modesty Creek	3	17ak	4	3a	MDS-27	MT76G002_080	27	Land use/cover	End buffer	Grass	Grass	5028	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		20	20	0	0	0	60	0	0	
Modesty Creek	3	17ak	4	3a	MDS-28	MT76G002_080	28	Land use/cover	Ditch	Grass	Grass	3199	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	40	0	0	0	60	0	0	
Modesty Creek	3	17ak	4	3a	MDS-29	MT76G002_080	29	Land use/cover	Ditch	Grass	Grass	2109	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	30	0	0	0	70	0	0	
Modesty Creek	3	17ak	4	3a	MDS-30	MT76G002_080	30	Land use/cover	Channelization	Bare	Bare	1170	Road	Yes	Rural Res./Hobby Farm	Yes	Poor	Channelized	Poor		10	0	0	0	0	0	0	0	Ranch Buildings and road
Modesty Creek	3	17ak	3	3a	MDS-31	MT76G002_080	31	Slope		Grass	Bare	1101	Hay/Pasture	Yes	Road	Yes	Fair	Channelized	Poor		50	10	0	0	0	40	0	0	
Modesty Creek	3	17ak	3	3a	MDS-32	MT76G002_080	32	Land use/cover	End Channelization	Grass	Grass	4469	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		10	20	0	0	0	70	0	0	
Modesty Creek	3	17ak	5	3a	MDS-33	MT76G002_080	33	Slope		Grass	Grass	470	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair	Pivot Irrigation	Fair		10	0	0	0	0	90	0	0	
Modesty Creek	3	17ak	5	3a	MDS-34	MT76G002_080	34	Land use/cover	Channelization	Bare	Grass	2387	Road	Yes	Hay/Pasture	Yes	Poor	Interstate Hwy	Fair	Channelized	60	10	0	0	0	30	0	0	
Modesty Creek	3	17ak	5	3a	MDS-35	MT76G002_080	35	Land use/cover	End Channelization	Grass	Grass	2482	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	50	0	0	0	50	0	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Modesty Creek	3	17ak	5	3a	MDS-36	MT76G002_080	36	Land use/cover	Veg type	Grass	Grass/bare	1836	Hay/Pasture	Yes	Hay/Pasture	Yes	Poor		Fair		0	70	0	0	0	30	0	0	
Modesty Creek	3	17ak	5	3a	MDS-37	MT76G002_080	37	Land use/cover	Veg type	Grass	Grass	1718	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		20	50	0	0	0	30	0	0	
Peterson Creek	3	17ai	2	1a	PTR-01	MT76G002_131	1	Begin		Mature Conifers	Mature Conifers	2558	Forest	Yes	Forest	Yes	Fair		Fair		10	40	0	0	0	0	50	0	
Peterson Creek	2	17ai	2	1a	PTR-02	MT76G002_131	2	Confinement		Mature Conifers	Mature Conifers	3306	Forest	Yes	Forest	Yes	Fair		Fair		40	30	0	0	0	0	30	0	
Peterson Creek	2	17ai	2	2a	PTR-03	MT76G002_131	3	Stream order	2nd trigger: land use/cover; veg type	Mature conifers	Mature conifers	2060	Forest	Yes	Forest	Yes	Fair	Major powerline at lower end	Fair	Major powerline at lower end	40	30	0	0	0	0	30	0	
Peterson Creek	2	17ai	2	2b	PTR-04	MT76G002_131	4	Stream order	2nd trigger: land use/cover; veg type	Mature conifers	Mature conifers	3226	Forest	Yes	Road	Yes	Fair		Fair		60	20	0	0	0	0	20	0	3 Major land disturbances
Peterson Creek	3	17ai	2	2b	PTR-05	MT76G002_131	5	Confinement		Mature conifers	Mature conifers	2772	Forest	Yes	Road	Yes	Fair		Fair		40	30	0	0	0	0	30	0	Major land disturbance at upper end
Peterson Creek	3	17ai	2	3a	PTR-06	MT76G002_131	6	Stream order	2nd trigger: land use/cover; veg type	Mature conifers	Mature conifers	1331	Forest	Yes	Road	Yes	Fair	Some deciduous trees	Fair	Some deciduous trees	50	20	0	0	0	0	30	0	
Peterson Creek	3	17ai	3	3a	PTR-07	MT76G002_131	7	Slope		Mature conifers	Shrubs	5029	Road	Yes	Road	Yes	Fair	Some deciduous trees	Fair	Irrigation diversion	60	20	0	0	0	20	0	0	
Peterson Creek	3	17ak	2	3a	PTR-08	MT76G002_131	8	Slope	2nd trigger: ecoregion	Shrubs	Mature conifers	1793	Range	Yes	Range	Yes	Fair		Fair	Some deciduous trees	0	60	0	0	0	0	40	0	
Peterson Creek	2	17ak	2	3a	PTR-09	MT76G002_131	9	Confinement		Mature conifers	Mature conifers	8630	Range	Yes	Range	Yes	Fair		Fair		0	80	0	0	0	0	20	0	
Peterson Creek	1	17ak	2	3a	PTR-10	MT76G002_131	10	Confinement		Mature conifers	Mature conifers	3834	Range	Yes	Range	Yes	Fair		Fair		0	60	0	0	0	0	40	0	
Peterson Creek	3	17ak	2	3a	PTR-11	MT76G002_131	11	Confinement		Mature conifers	Mature conifers	1661	Range	Yes	Range	Yes	Fair		Fair		0	60	0	0	0	0	40	0	
Peterson Creek	3	17ak	3	4a	PTR-12	MT76G002_132	12	Stream order	2nd trigger: slope, listed segment change	Shrubs	Shrubs	4708	Range	Yes	Range	Yes	Fair		Fair		10	70	0	0	0	0	20	0	
Peterson Creek	3	17ak	3	4a	PTR-13	MT76G002_132	13	Land use/cover	Ditch	Grass	Grass	14628	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		10	0	0	0	0	90	0	0	
Peterson Creek	3	17ak	4	4a	PTR-14	MT76G002_132	14	Slope		Grass	Grass	934	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	0	0	0	0	10	0	0	
Peterson Creek	3	17ak	4	4a	PTR-15	MT76G002_132	15	Land use/cover	Veg type	Grass	Grass	10532	Hay/Pasture	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair		0	40	0	0	0	60	0	0	
Peterson Creek	3	17ak	4	4a	PTR-16	MT76G002_132	16	Land use/cover	Veg type	Grass	Grass	9999	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair	Deer Lodge at lower end	Fair	Deer Lodge at lower end	40	0	0	0	0	60	0	0	
Racetrack Creek	3	17am	2	1a	RTK-01		1	Begin		Mature conifers	Mature conifers	6976	Forest	No	Forest	No	Good	Lake at upper end	Good	Lake at upper end	0	0	0	0	0	0	100	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Racetrack Creek	3	17am	2	2a	RTK-02		2	Stream order		Mature conifers	Mature conifers	5887	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Racetrack Creek	3	17am	2	2b	RTK-03		3	Stream order		Mature conifers	Mature conifers	5981	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Racetrack Creek	1	17am	1	2b	RTK-04		4	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	1135	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Racetrack Creek	3	17am	2	2b	RTK-05		5	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	543	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Racetrack Creek	3	17am	2	2c	RTK-06		6	Stream order		Mature conifers	Mature conifers	4668	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Racetrack Creek	3	17am	2	3a	RTK-07		7	Stream order		Mature conifers	Mature conifers	3576	Forest	Yes	Forest	No	Fair	Jeep Trail	Good		10	0	0	0	0	0	90	0	
Racetrack Creek	3	17am	3	3a	RTK-08		8	Slope		Mature conifers	Mature conifers	516	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Racetrack Creek	3	17am	3	3b	RTK-09		9	Stream order		Mature conifers	Mature conifers	2027	Forest	Yes	Forest	No	Fair		Good		10	0	0	0	0	0	90	0	
Racetrack Creek	3	17am	4	3b	RTK-10		10	Slope		Shrubs	Shrubs	867	Forest	Yes	Forest	No	Fair		Good		10	0	0	0	0	0	90	0	
Racetrack Creek	3	17am	4	3c	RTK-11		11	Stream order		Mature conifers	Mature conifers	15655	Forest	Yes	Forest	Yes	Fair		Fair		30	0	0	0	0	0	70	0	
Racetrack Creek	3	17am	4	3d	RTK-12		12	Stream order		Mature conifers	Mature conifers	10016	Forest	Yes	Forest	No	Fair		Good		30	0	0	0	0	0	70	0	
Racetrack Creek	1	17am	1	3d	RTK-13		13	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	1584	Forest	Yes	Forest	No	Fair		Good		20	0	0	0	0	0	80	0	
Racetrack Creek	3	17am	3	3e	RTK-14		14	Confinement	2nd triggers: Slope, stream order	Mature conifers	Mature conifers	8667	Road	Yes	Forest	No	Fair	Campground	Good		60	0	0	0	0	0	40	0	
Racetrack Creek	3	17am	4	3e	RTK-15		15	Slope		Shrubs	Shrubs	2913	Range	Yes	Range	Yes	Fair		Fair		30	20	0	0	0	0	50	0	
Racetrack Creek	3	17ak	4	3e	RTK-16		16	Ecoregion		Shrubs	Shrubs	1975	Range	Yes	Range	Yes	Fair		Fair		10	60	0	0	0	0	30	0	
Racetrack Creek	3	17ak	4	3e	RTK-17	MT76G002_090	17	Begin listed segment		Shrubs	Shrubs	13321	Range	Yes	Range	Yes	Fair	Abundant glacial moraines	Fair	Abundant glacial moraines	20	40	0	0	0	0	40	0	
Racetrack Creek	3	17ak	3	3e	RTK-18	MT76G002_090	18	Slope		Shrubs	Shrubs	2441	Range	Yes	Range	Yes	Fair	Glacial moraines	Fair	Glacial moraines	0	40	0	0	0	0	60	0	
Racetrack Creek	2	17ak	3	3e	RTK-19	MT76G002_090	19	Confinement	2nd trigger: land use/cover; ditch	Shrubs	Shrubs	6024	Range	Yes	Range	Yes	Fair	Irrigation diversions	Fair	Irrigation diversions	20	40	0	0	0	40	0	0	
Racetrack Creek	2	17ak	3	3e	RTK-20	MT76G002_090	20	Land use/cover	Veg type, ditch	Mature Deciduous	Mature Deciduous	1749	Range	Yes	Range	Yes	Fair		Fair		70	30	0	0	0	0	0	0	
Racetrack Creek	3	17ak	3	3e	RTK-21	MT76G002_090	21	Confinement		Mature Deciduous	Mature Deciduous	12254	Rural Res./ Hobby farm	Yes	Hay/ Pasture	Yes	Fair		Fair		0	20	0	0	0	80	0	0	
Racetrack Creek	3	17ak	4	3e	RTK-22	MT76G002_090	22	Slope		Grass	Grass	28387	Rural Res./ Hobby Farm	Yes	Hay/ Pasture	Yes	Fair		Fair		0	30	0	0	0	70	0	0	
Racetrack Creek	3	17ak	4	3e	RTK-23	MT76G002_090	23	Land use/cover	Ag land change	Shrubs	Shrubs	17844	Hay/ Pasture	Yes	Rural Res./Hob	Yes	Fair	Interstate	Fair	Interstate	20	10	0	0	0	70	0	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
															by Farms														
Storm Lake Creek	3	17h	3	1a	STL-01	MT76G002_040	1	Begin		Mature conifers	Mature conifers	2001	Forest	No	Forest	Yes	Good		Good	Hiking Trail	10	0	0	0	0	0	90	0	Trails
Storm Lake Creek	3	17h	3	2a	STL-02	MT76G002_040	2	Stream order		Mature conifers	Mature conifers	894	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Storm Lake Creek	3	17h	3	2a	STL-03	MT76G002_040	3	Land use/cover	Buffer; lake			544									0	0	0	0	0	0	0	0	
Storm Lake Creek	3	17am	3	2a	STL-04	MT76G002_040	4	Ecoregion	Buffer; lake			2420									0	0	0	0	0	0	0	0	
Storm Lake Creek	3	17am	3	2a	STL-05	MT76G002_040	5	Land use/cover	End buffer/lake	Mature conifers	Grasses	855	Forest	Yes	Forest	Yes	Fair	Dam just upstream	Fair	Dam just upstream	50	0	0	0	0	0	50	0	
Storm Lake Creek	1	17am	1	2a	STL-06	MT76G002_040	6	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	1567	Forest	Yes	Road	Yes	Fair		Fair		50	0	0	0	0	0	50	0	
Storm Lake Creek	1	17am	2	2a	STL-07	MT76G002_040	7	Slope		Shrubs	Mature conifers	2308	Forest	Yes	Forest	Yes	Fair		Fair	Road at upper end	50	0	0	0	0	0	50	0	
Storm Lake Creek	3	17am	2	2b	STL-08	MT76G002_040	8	Stream order	2nd trigger: confinement	Mature conifers	Mature conifers	1881	Forest	Yes	Forest	Yes	Fair	Road in middle section	Fair	Road in middle section	40	0	0	0	0	0	60	0	
Storm Lake Creek	3	17am	3	2b	STL-09	MT76G002_040	9	Slope		Mature conifers	Mature conifers	3319	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Storm Lake Creek	3	17am	2	2b	STL-10	MT76G002_040	10	Slope		Mature conifers	Mature conifers	1279	Forest	no	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Storm Lake Creek	3	17am	2	2c	STL-11	MT76G002_040	11	Stream order		Shrubs	Shrubs	2671	Forest	Yes	Forest	No	Fair	Road 300-400 ft away	Good		20	0	0	0	0	0	80	0	
Storm Lake Creek	3	17am	3	2c	STL-12	MT76G002_040	12	Slope		Mature conifers	Shrubs	3327	Forest	No	Forest	No	Good	Road 250-700 ft away	Good		20	0	0	0	0	0	80	0	
Storm Lake Creek	3	17am	2	2c	STL-13	MT76G002_040	13	Slope		Shrubs	Shrubs	751	Road	Yes	Forest	No	Fair		Good		60	0	0	0	0	0	40	0	
Storm Lake Creek	1	17am	2	2c	STL-14	MT76G002_040	14	Confinement		Mature conifers	Mature conifers	1306	Road	Yes	Harvest/Fire	Yes	Fair		Fair		40	0	0	0	40	0	20	0	
Storm Lake Creek	2	17am	2	2c	STL-15	MT76G002_040	15	Confinement		Mature conifers	Mature conifers	2672	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		20	0	0	0	60	0	20	0	
Storm Lake Creek	3	17am	2	2c	STL-16	MT76G002_040	16	Confinement		Mature conifers	Mature conifers	5508	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		0	0	0	0	80	0	20	0	
Storm Lake Creek	3	17am	3	2c	STL-17	MT76G002_040	17	Slope		Mature conifers	Mature conifers	6365	Road	Yes	Harvest/Fire	Yes	Fair	Harvest/Fire also	Fair	Road also	50	0	0	0	30	0	20	0	
Storm Lake Creek	3	17am	3	2c	STL-18	MT76G002_040	18	Land use/cover	Channelization	Mature conifers	Mature conifers	556	Forest	No	Road	Yes	Good		Fair		40	0	0	0	0	0	60	0	
Storm Lake Creek	3	17am	4	2c	STL-19	MT76G002_040	19	Slope		Mature conifers	Mature conifers	11626	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair	Plus roads and rural residences	Fair	Abundant roads also	50	0	0	0	50	0	0	0	
Storm Lake Creek	3	17am	4	2c	STL-20	MT76G002_040	20	Land use/cover	Bridge	Shrubs	Shrubs	4631	Harvest/Fire	Yes	Wetland	Yes	Fair	Channelized most of the reach	Fair	Channelized most of the reach	10	0	0	0	20	0	0	70	Channelization
Tin Cup Joe Creek	3	17am	2	1a	TCJ-01		1	Begin		Shrubs	Shrubs	1719	Forest	No	Forest	No	Good	Alpine	Good	Alpine	0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	1	17am	2	1a	TCJ-02		2	Confinement		Shrubs	Shrubs	1186	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	3	17am	2	1a	TCJ-03		3	Confinement		Mature conifers	Mature conifers	6209	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Tin Cup Joe Creek	1	17am	1	1a	TCJ-04		4	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	7636	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	1	17am	1	2a	TCJ-05		5	Stream order		Mature conifers	Mature conifers	7162	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	2	17am	2	2a	TCJ-06		6	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	1549	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	3	17am	2	2a	TCJ-07		7	Confinement		Mature conifers	Mature conifers	4178	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	1	17am	2	2a	TCJ-08		8	Confinement		Mature conifers	Mature conifers	5287	Forest	Yes	Forest	No	Fair	Selective logging	Good		0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	3	17am	2	2a	TCJ-09		9	Confinement		Mature conifers	Mature conifers	671	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Tin Cup Joe Creek	3	17ak	2	2a	TCJ-10		10	Ecoregion		Mature conifers	Mature conifers	1549	Forest	Yes	Forest	Yes	Fair		Fair		10	0	0	0	0	0	90	0	
Tin Cup Joe Creek	3	17ak	2	2a	TCJ-11		11	Land use/cover	Buffer; power lines	Grass	Grass	728	Range	Yes	Range	Yes	Fair	Pipelines	Fair	Pipelines	0	20	0	0	0	0	0	80	Pipeline route
Tin Cup Joe Creek	3	17ak	2	2a	TCJ-12		12	Land use/cover	End buffer	Mature conifers	Mature conifers	1049	Forest	No	Forest	No	Good		Good		0	20	0	0	0	0	80	0	
Tin Cup Joe Creek	2	17ak	2	2a	TCJ-13		13	Confinement		Shrubs	Shrubs	1204	Range	Yes	Range	Yes	Fair		Fair		0	50	0	0	0	0	50	0	
Tin Cup Joe Creek	2	17ak	2	2a	TCJ-14		14	Land use/cover	Buffer; reservoir			1402									0	0	0	0	0	0	0	0	
Tin Cup Joe Creek	2	17ak	2	2a	TCJ-15	MT76G002_110	15	Begin listed segment	2nd trigger: land use/cover; end buffer	Mature deciduous	Mature deciduous	2965	Forest	Yes	Forest	Yes	Fair	Farm buildings at lower end of reach	Fair		20	30	0	0	0	0	50	0	
Tin Cup Joe Creek	3	17ak	3	2a	TCJ-16	MT76G002_110	16	Slope	2nd trigger: confinement	Shrubs	Shrubs	4450	Range	Yes	Road	Yes	Fair		Fair		40	40	0	0	0	0	20	0	
Tin Cup Joe Creek	3	17ak	3	3a	TCJ-17	MT76G002_110	17	Stream order	2nd trigger: Land use/cover; eroding hillslope	Shrubs	Shrubs	725	Road	Yes	Rural Res./Hobby Farm	Yes	Fair		Fair	Irrigation diversion	40	60	0	0	0	0	0	0	
Tin Cup Joe Creek	3	17ak	4	3a	TCJ-18	MT76G002_110	18	Slope		Shrubs	Shrubs	8977	Range	Yes	Hay/Pasture	Yes	Fair	Badland topography adjacent to row crops	Fair	Ranch infrastructure	20	40	0	0	0	40	0	0	
Tin Cup Joe Creek	3	17ak	4	3a	TCJ-19	MT76G002_110	19	Land use/cover	Range	Grass	Grass	4405	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair	Rural Residence 500 feet away	0	40	0	0	0	60	0	0	
Tin Cup Joe Creek	3	17ak	4	3a	TCJ-20	MT76G002_110	20	Land use/cover	Golf course	Grass	Grass	2892	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair	Golf course	Fair	Gold course	0	0	0	0	0	10	0	10	Golf Course
Tin Cup Joe Creek	3	17ak	4	3a	TCJ-21	MT76G002_110	21	Land use/cover	End golf course	Grass	Grass	2747	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair	Runway in center of reach	Fair	Runway in middle of reach	60	0	0	0	0	40	0	0	Airport
Tin Cup Joe Creek	3	17ak	4	3a	TCJ-22	MT76G002_110	22	Land use/cover	Ditch	Grass	Grass	4348	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		10	40	0	0	0	50	0	0	
Tin Cup Joe Creek	3	17ak	4	3a	TCJ-23	MT76G002_110	23	Land use/cover	Residential	Bare ground	Bare ground	2829	Urban	Yes	Urban	Yes	Poor		Poor		60	0	0	0	0	40	0	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Warm Springs Creek	1	17x	1	1a	WSP-01	MT76G005_111	1	Begin		Mature conifers	Mature conifers	1327	Harvest/Fire	Yes	Road	Yes	Fair		Fair		40	0	0	0	40	0	20	0	
Warm Springs Creek	1	17x	2	1a	WSP-02	MT76G005_111	2	Slope		Mature conifers	Mature conifers	507	Harvest/Fire	Yes	Road	Yes	Fair		Fair		50	0	0	0	50	0	0	0	
Warm Springs Creek	2	17x	2	1a	WSP-03	MT76G005_111	3	Confinement		Mature conifers	Mature conifers	2971	Forest	Yes	Forest	Yes	Fair		Fair	Road at upper end of reach	20	0	0	0	20	0	60	0	
Warm Springs Creek	1	17x	1	1a	WSP-04	MT76G005_111	4	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	1444	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Warm Springs Creek	1	17x	2	1a	WSP-05	MT76G005_111	5	Slope		Mature conifers	Mature conifers	1321	Forest	Yes	Forest	Yes	Fair	Logged at lower end	Fair	Logged at lower end	10	0	0	0	20	0	70	0	
Warm Springs Creek	2	17x	2	2a	WSP-06	MT76G005_111	6	Stream order	2nd trigger: confinement, land use/cover; logging	Shrubs	Shrubs	1035	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		20	0	0	0	80	0	0	0	
Warm Springs Creek	2	17x	3	2a	WSP-07	MT76G005_111	7	Slope		Shrubs	Shrubs	3648	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		0	0	0	0	10	0	0	0	
Warm Springs Creek	2	17x	3	3b	WSP-08	MT76G005_111	8	Stream order		Shrubs	Shrubs	1478	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		20	0	0	0	80	0	0	0	
Warm Springs Creek	2	17x	3	3c	WSP-09	MT76G005_111	9	Stream order	2nd: Land use/cover; unlogged	Shrubs	Shrubs	658	Harvest/Fire	Yes	Forest	No	Fair		Good		0	0	0	0	50	0	50	0	
Warm Springs Creek	2	17x	3	3c	WSP-10	MT76G005_111	10	Land use/cover	Logged	Shrubs	Shrubs	5748	Harvest/Fire	Yes	Harvest/Fire	Yes	Fair		Fair		40	0	0	0	60	0	0	0	
Warm Springs Creek	2	17al	3	3c	WSP-11	MT76G005_111	11	Ecoregion		Shrubs	Shrubs	617	Range	Yes	Harvest/Fire	Yes	Fair		Fair		40	20	0	0	40	0	0	0	
Warm Springs Creek	2	17al	3	3c	WSP-12	MT76G005_111	12	Land use/cover	Range	Shrubs	Mature conifers	1438	Range	Yes	Road	Yes	Fair		Fair		50	30	0	0	20	0	0	0	
Warm Springs Creek	2	17al	3	3c	WSP-13	MT76G005_111	13	Land use/cover	Veg type	Grass	Shrubs	1300	Range	Yes	Road	Yes	Fair		Fair		50	30	0	0	0	0	20	0	
Warm Springs Creek	2	17al	3	3d	WSP-14	MT76G005_111	14	Stream order		Bare ground	Grass	647	Range	Yes	Road	Yes	Poor	Mine pit?	Fair		20	0	0	80	0	0	0	0	
Warm Springs Creek	2	17al	3	3d	WSP-15	MT76G005_111	15	Land use/cover	Canopy density	Shrubs	Mature conifers	507	Road	Yes	Forest	Yes	Fair		Fair		50	0	0	30	20	0	0	0	
Warm Springs Creek	2	17al	3	3e	WSP-16	MT76G005_111	16	Stream order		Shrubs	Mature conifers	3090	Road	Yes	Harvest/Fire	Yes	Fair		Fair		50	0	0	0	50	0	0	0	
Warm Springs Creek	2	17al	3	3e	WSP-17	MT76G005_111	17	Land use/cover	Veg type	Mature conifers	Mature conifers	457	Road	Yes	Harvest/Fire	Yes	Fair		Fair		50	0	0	0	50	0	0	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Warm Springs Creek	1	17al	3	3e	WSP-18	MT76G005_111	18	Confinement		Mature conifers	Mature conifers	5310	Harvest/Fire	Yes	Harvest/Fires	Yes	Fair	Roads also	Fair	Roads also	50	0	0	0	50	0	0	0	
Warm Springs Creek	2	17al	3	3e	WSP-19	MT76G005_111	19	Confinement		Mature conifers	Mature conifers	2370	Harvest/Fire	Yes	Road	Yes	Fair		Fair	Road also	60	0	0	0	40	0	0	0	
Warm Springs Creek	2	17al	3	3e	WSP-20	MT76G005_111	20	Land use/cover	Canopy density	Shrubs	Shrubs	1113	Harvest/Fire	Yes	Road	Yes	Fair		Fair		50	0	0	0	30	0	20	0	
Warm Springs Creek	2	17al	3	3f	WSP-21	MT76G005_111	21	Stream order		Mature conifers	Mature conifers	5651	Forest	Yes	Road	Yes	Fair	Some logging at upper end of reach	Fair		50	0	0	0	20	0	30	0	
Warm Springs Creek	3	17al	3	3f	WSP-22	MT76G005_111	22	Confinement		Mature conifers	Mature conifers	1356	Forest	Yes	Road	Yes	Fair		Fair	Mine spoils next to road and within 1000 ft	40	0	0	40	0	0	20	0	
Warm Springs Creek	3	17al	3	3f	WSP-23	MT76G005_111	23	Land use/cover	Canopy density, veg type	Shrubs	Shrubs	3101	Rural Res./Hobby Farm	Yes	Road	Yes	Fair		Fair		50	0	0	50	0	0	0	0	
Warm Springs Creek	3	17al	3	3f	WSP-24	MT76G005_112	24	Listed segment change		Mature conifers	Shrubs	3151	Harvest/Fire	Yes	Road	Yes	Fair		Fair		40	0	0	0	40	0	20	0	
Warm Springs Creek	3	17ak	3	3f	WSP-25	MT76G005_112	25	Ecoregion		Mature conifers	Shrubs	7832	Forest	Yes	Road	Yes	Fair		Fair		50	30	0	0	0	0	20	0	
Warm Springs Creek	3	17ak	4	3f	WSP-26	MT76G005_112	26	Slope		Shrubs	Shrubs	1570	Range	Yes	Road	Yes	Fair	Some Forest	Fair		40	40	0	0	0	0	20	0	
Warm Springs Creek	3	17ak	4	3g	WSP-27	MT76G005_112	27	Stream order		Shrubs	Shrubs	2799	Range	Yes	Road	Yes	Fair		Fair		30	50	0	0	0	0	20	0	
Warm Springs Creek	3	17ak	4	3g	WSP-28	MT76G005_112	28	Land use/cover	Ditch	Grass	Grass	3387	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		20	20	0	0	0	60	0	0	
Warm Springs Creek	3	17ak	4	4a	WSP-29	MT76G005_112	29	Stream order		Grass	Grass	14361	Hay/Pasture	Yes	Road	Yes	Fair		Fair		30	20	0	0	0	50	0	0	
Willow Creek	2	17ag	2	1a	WLW-01	MT76G002_061	1	Begin		Mature Conifers	Mature conifers	3443	Forest	No	Forest	No	Good		Good		0	0	0	0	0	0	100	0	
Willow Creek	2	17ag	2	2a	WLW-02	MT76G002_061	2	Stream order		Shrubs	Mature conifers	1612	Harvest/Fire	Yes	Forest	No	Fair		Good		0	0	0	0	60	0	40	0	
Willow Creek	2	17ag	2	2b	WLW-03	MT76G002_061	3	Stream order		Shrubs	Mature conifers	1136	Harvest/Fire	Yes	Forest	No	Fair		Good		0	0	0	0	50	0	50	0	
Willow Creek	2	17ag	2	2c	WLW-04	MT76G002_061	4	Stream order		Mature conifers	Mature conifers	1328	Forest	Yes	Forest	No	Fair		Good		0	0	0	0	20	0	80	0	
Willow Creek	1	17ag	2	2d	WLW-05	MT76G002_061	5	Stream order	2nd trigger: confinement	Mature conifers	Mature conifers	2098	Forest	Yes	Forest	No	Fair		Good		0	0	0	0	10	0	90	0	
Willow Creek	1	17ag	2	3a	WLW-06	MT76G002_061	6	Stream order		Mature conifers	Mature conifers	4072	Forest	Yes	Forest	Yes	Fair		Fair		10	0	0	0	0	0	90	0	

Table D-3. Master Upper Clark Fork Stratification Results

GNIS_Name	Confinement	Ecoregion	Slope	Stream Order	Reach Name	Segment ID	Reach_ID	Break_Trig	Comments	Left_Bank	Right_Bank	Length_ft	LB_Land	LB_Anthro	RB_Land	RB_Anthro	LB_RP_Hlth	LB_Comment	RB_RP_Hlth	RB_Comment	TRANS	GRAZE	CROP	MINE	FOREST	IRRIG	NATURAL	OTHER	Seg_Notes
Willow Creek	2	17ag	3	3a	WLW-07	MT76G002_061	7	Slope	2nd trigger: confinement	Mature conifers	Mature conifers	671	Forest	No	Forest	Yes	Good		Fair		10	0	0	0	0	0	90	0	
Willow Creek	2	17ag	3	3b	WLW-08	MT76G002_061	8	Stream order	2nd trigger: Land use/cover; canopy density	Mature conifers	Mature conifers	3218	Harvest/Fire	Yes	Road	Yes	Fair	Roads also	Fair		50	0	0	0	20	0	30	0	
Willow Creek	2	17ag	3	3c	WLW-09	MT76G002_061	9	Stream order		Mature conifers	Mature conifers	4784	Forest	No	Forest	Yes	Good		Fair	Road 250 ft away	20	0	0	0	0	0	80	0	
Willow Creek	3	17ag	3	3d	WLW-10	MT76G002_061	10	Stream order	2nd trigger: Confinement, Land use/cover; can dens	Shrubs	Mature conifers	3158	Road	Yes	Forest	No	Fair		Good		40	0	0	0	0	0	60	0	
Willow Creek	3	17ak	3	3e	WLW-11	MT76G002_061	11	Stream order and ecoregion	2nd trigger: Land use/cover	Shrubs	Shrubs	2676	Road	Yes	Forest	No	Fair		Good		70	0	0	0	0	0	30	0	
Willow Creek	3	17ak	3	3e	WLW-12	MT76G002_062	12	Listed segment change		Shrubs	Mature conifers	4145	Road	Yes	Forest	No	Fair		Good		60	30	0	0	0	0	10	0	
Willow Creek	3	17ak	4	3f	WLW-13	MT76G002_062	13	Stream order	2nd trigger: slope, land use/cover; veg type	Shrubs	Shrubs	6102	Range	Yes	Range	Yes	Fair		Good		20	60	0	0	0	10	10	0	
Willow Creek	3	17ak	4	3f	WLW-14	MT76G002_062	14	Land use/cover	Ditch	Shrubs	Shrubs	4782	Range	Yes	Range	Yes	Fair		Fair		20	50	0	0	0	30	0	0	
Willow Creek	3	17ak	4	3f	WLW-15	MT76G002_062	15	Land use/cover	Ditch	Grasses	Grasses	1115	Range	Yes	Hay/Pasture	Yes	Fair		Fair		10	40	0	0	0	50	0	0	
Willow Creek	3	17ak	5	3f	WLW-16	MT76G002_062	16	Slope		Grass	Grass	2925	Range	Yes	Hay/Pasture	Yes	Fair	Irrigation Diversion	Fair		10	30	0	0	0	60	0	0	
Willow Creek	3	17ak	5	3f	WLW-17	MT76G002_062	17	Land use/cover	Bridge	Grass	Grass	4796	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		10	0	0	0	0	90	0	0	
Willow Creek	3	17ak	5	4a	WLW-18	MT76G002_062	18	Stream order		Grass	Grass	3268	Hay/Pasture	Yes	Hay/Pasture	Yes	Fair		Fair		0	0	0	0	0	10	0	0	
Willow Creek	3	17ak	5	4a	WLW-19	MT76G002_062	19	Land use/cover	Veg type	Grass	Grass	14705	Hay/Pasture	Yes	Range	Yes	Fair	Interstate and multiple roads	Fair		30	40	0	0	0	30	0	0	

SEDIMENT AND HABITAT RESULTS**Table D-4. Site Information**

Reach ID	Site	Date	Downstream End Latitude	Downstream End Longitude	Upstream End Latitude	Upstream End Longitude	Site Length (Feet)	Field Slope (Percent)	GIS Calculated Sinuosity
Warm Springs 21	1	9/19/07	46.60937	-112.77558	46.61047	-112.77453	500	1.0	1.04
Warm Springs 21	2	9/19/07	46.61587	-112.76826	46.61682	-112.76725	500	2.0	1.16
Warm Springs 29	1	9/19/07	46.54717	-112.84150	46.54733	-112.84006	1000	0.9	2.72
Brock 19	1	9/20/07	46.60694	-112.85476	46.60792	-112.85423	500	1.3	1.30
Hoover 7	1	9/20/07	46.67751	-112.95716	46.67816	-112.95593	500	2.4	1.27
Gold 9	1	9/20/07	46.47335	-113.04347	46.47213	-113.04484	600	0.9	1.07
Gold 22	1	9/21/07	46.58129	-112.90997	46.57964	-112.91196	1000	1.4	1.27
Hoover 16	1	9/21/07	46.61430	-113.00667	46.61543	-113.00599	500	1.0	1.13
Peterson 15	1	9/26/07	46.37251	-112.70155	46.37167	-112.70052	500	1.7	1.25
Tin Cup Joe 18	1	9/26/07	46.39486	-112.80914	46.39491	-112.81020	500	1.3	1.86
Modesty 28	1	9/26/07	46.23377	-112.80445	46.23411	-112.80627	500	1.0	1.04
Lost 15	1	9/27/07	46.20018	-112.98530	46.20162	-112.98805	1000	2.6	1.14
Lost 19	1	9/27/07	46.17594	-112.94458	46.17691	-112.94618	600	2.0	1.13
Lost 23	1	9/27/07	46.16731	-112.87996	46.16576	-112.88266	1000	1.2	1.13
Racetrack 19	1	9/28/07	46.26780	-112.85794	46.26709	-112.86067	1000	1.3	1.35
Antelope 10	1	9/28/07	46.20465	-112.89389	46.20464	-112.89550	500	2.0	1.22
Warm Springs 17	1	10/2/07	46.17615	-113.15639	46.17833	-113.15778	1000	2.8	1.15
Warm Springs 24	1	10/2/07	46.13511	-112.95971	46.13577	-112.96338	1000	1.8	1.04
Warm Springs 30	1	10/2/07	46.17479	-112.79568	46.17294	-112.79838	1000		1.04
Willow 11	1	10/3/07	46.06103	-112.90007	46.05955	-112.90193	1000	1.8	1.39
Willow 13	1	10/3/07	46.07411	-112.86454	46.07395	-112.86806	1000	1.0	1.12
Willow 19	1	10/3/07	46.10660	-112.81156	46.10614	-112.81290	1000	0.8	2.65
Mill 25	1	10/4/07	46.05080	-113.03340	46.05028	-113.03574	970	1.3	1.56
Mill 40	1	10/4/07	46.10164	-112.87955	46.10048	-112.88243	1000	2.1	1.18

Table D-5. Channel Cross Section Data

Reach ID	Site	Date	Cell	Latitude	Longitude	Feature	Bankfull Channel Width	Cross-Sectional Area	Bankfull Mean Depth	Width / Depth Ratio	Maximum Depth	Floodprone Width	Entrenchment Ratio
Warm Springs 21	1	9/19/07	1	46.60938	-112.77553	riffle	8.2	5.7	0.69	11.9	1.0	12	1.4
Warm Springs 21	1	9/19/07	2	46.60967	-112.77531	riffle	10.2	7.2	0.70	14.5	1.2	13	1.3
Warm Springs 21	1	9/19/07	3	46.60994	-112.77522	riffle	9.5	6.7	0.71	13.4	1.1	12	1.3
Warm Springs 21	1	9/19/07	4	46.61006	-112.77501	riffle	8.0	5.8	0.72	11.1	1.2	16	1.9
Warm Springs 21	1	9/19/07	5	46.61027	-112.77477	riffle	6.5	6.2	0.96	6.8	1.2	11	1.6
Warm Springs 21	2	9/19/07	1	46.61600	-112.76823	riffle	7.5	8.1	1.08	6.9	1.5	27	3.5
Warm Springs 21	2	9/19/07	2	46.61600	-112.76781	riffle	7.8	8.1	1.04	7.5	1.4	10	1.3
Warm Springs 21	2	9/19/07	3	46.61628	-112.76746	riffle	9.2	8.8	0.96	9.6	1.4	14	1.6
Warm Springs 21	2	9/19/07	4	46.61664	-112.76736	riffle	10.5	9.3	0.89	11.8	1.2	15	1.4
Warm Springs 21	2	9/19/07	5	46.61674	-112.76727	riffle	9.7	9.2	0.95	10.2	1.3	13	1.3
Warm Springs 29	1	9/19/07	1	46.46920	-112.84133	riffle	11.7	18.3	1.57	7.5	2.0	16	1.3
Warm Springs 29	1	9/19/07	2	46.54696	-112.84090	riffle	12.2	15.8	1.30	9.4	1.7	17	1.4
Warm Springs 29	1	9/19/07	3	46.54733	-112.84109	riffle	12.5	18.6	1.48	8.4	2.0	20	1.6
Warm Springs 29	1	9/19/07	4	46.54745	-112.84074	riffle	12.8	21.1	1.65	7.8	2.2	25	1.9
Warm Springs 29	1	9/19/07	5	46.54726	-112.84013	riffle	11.3	17.0	1.50	7.5	2.1	17	1.5
Brock 19	1	9/20/07	1	46.60698	-112.85471	riffle	12.4	13.2	1.07	11.6	1.6	26	2.1
Brock 19	1	9/20/07	2	46.60719	-112.85450	riffle	11.6	11.5	0.99	11.7	1.6	15	1.3
Brock 19	1	9/20/07	3	46.60760	-112.85439	riffle	13.0	15.3	1.18	11.0	1.6	32	2.5
Brock 19	1	9/20/07	4	46.60767	-112.85432	riffle	16.5	17.7	1.07	15.4	1.4	30	1.8
Brock 19	1	9/20/07	5	46.60775	-112.85411	riffle	11.5	14.4	1.25	9.2	1.5	28	2.4
Hoover 7	1	9/20/07	1	46.67754	-112.95712	riffle	12.6	12.5	0.99	12.7	1.7	73	5.8
Hoover 7	1	9/20/07	2	46.67777	-112.95662	riffle	11.3	11.5	1.02	11.1	1.6	18	1.6
Hoover 7	1	9/20/07	3	46.67784	-112.95642	riffle	11.7	12.3	1.05	11.1	1.4	43	3.6
Hoover 7	1	9/20/07	4	46.67789	-112.95613	riffle	13.7	10.0	0.73	18.7	1.7	56	4.1
Hoover 7	1	9/20/07	5	46.67811	-112.95596	riffle	14.5	10.3	0.71	20.4	1.1	22	1.5
Gold 9	1	9/20/07	1	46.47328	-113.04345	riffle	20.3	21.7	1.07	19.0	1.5	80	3.9

Table D-5. Channel Cross Section Data

Reach ID	Site	Date	Cell	Latitude	Longitude	Feature	Bankfull Channel Width	Cross-Sectional Area	Bankfull Mean Depth	Width / Depth Ratio	Maximum Depth	Floodprone Width	Entrenchment Ratio
Gold 9	1	9/20/07	2	46.47284	-113.04397	riffle	14.3	17.9	1.25	11.5	1.7	15	1.1
Gold 9	1	9/20/07	3	46.47238	-113.04454	riffle	16.9	19.1	1.13	15.0	1.7	28	1.7
Gold 22	1	9/21/07	1	46.58128	-112.90995	riffle	33.8	42.1	1.25	27.1	1.7	165	4.9
Gold 22	1	9/21/07	2	46.58085	-112.91050	riffle	20.0	25.6	1.28	15.6	2.2	200	10.0
Gold 22	1	9/21/07	3	46.58064	-112.91100	riffle	34.0	33.0	0.97	35.1	1.4	109	3.2
Gold 22	1	9/21/07	4	46.57995	-112.91119	riffle	28.1	49.0	1.74	16.1	1.9	338	>12
Gold 22	1	9/21/07	5	46.57962	-112.91155	riffle	50.2	61.6	1.23	40.9	1.6	340	>6.8
Hoover 16	1	9/21/07	1	46.61436	-113.00660	riffle	6.5	4.7	0.72	9.0	1.1	19	2.8
Hoover 16	1	9/21/07	2	46.61471	-113.00648	riffle	6.3	5.2	0.83	7.6	1.2	39	6.2
Hoover 16	1	9/21/07	3	46.61491	-113.00640	riffle	4.6	4.8	1.04	4.4	1.2	20	4.4
Hoover 16	1	9/21/07	4	46.61502	-113.00630	riffle	3.8	5.2	1.36	2.8	1.4	16	4.3
Hoover 16	1	9/21/07	5	46.61502	-113.00630	riffle	4.0	4.2	1.05	3.8	1.2	5	1.3
Peterson 15	1	9/26/07	1	46.37252	-112.70154	riffle	5.5	7.2	1.30	4.2	1.8	27	4.8
Peterson 15	1	9/26/07	2	46.37216	-112.70133	riffle	8.0	10.4	1.30	6.2	2.0	114	14.3
Peterson 15	1	9/26/07	3	46.37204	-112.70117	riffle	11.1	15.2	1.37	8.1	1.7	101	9.1
Peterson 15	1	9/26/07	4	46.37181	-112.70110	riffle	11.6	14.6	1.26	9.2	1.5	62	5.3
Peterson 15	1	9/26/07	5	46.37175	-112.70074	riffle	7.4	10.3	1.39	5.3	1.7	87	11.8
Tin Cup Joe 18	1	9/26/07	1	46.39482	-112.80928	riffle	15.3	16.2	1.06	14.4	1.4	27	1.8
Tin Cup Joe 18	1	9/26/07	2	46.39463	-112.80942	riffle	11.5	14.1	1.23	9.3	1.4	26	2.2
Tin Cup Joe 18	1	9/26/07	3	46.39446	-112.80955	riffle	12.0	10.1	0.84	14.3	1.2	40	3.3
Tin Cup Joe 18	1	9/26/07	4	46.39461	-112.80978	riffle	11.6	10.3	0.88	13.1	1.4	22	1.9
Tin Cup Joe 18	1	9/26/07	5	46.39491	-112.81020	riffle	11.7	15.6	1.34	8.8	1.6	25	2.1
Modesty 28	1	9/26/07	4	46.23397	-112.80577	run	25.5	41.3	1.62	15.7	2.2	42	1.6
Lost 15	1	9/27/07	1	46.20030	-112.98550	riffle	12.4	18.2	1.47	8.4	2.2	142	11.5
Lost 15	1	9/27/07	2	46.20097	-112.98602	riffle	23.9	31.1	1.30	18.4	1.4	54	2.3
Lost 15	1	9/27/07	3	46.20108	-112.98651	riffle	15.8	20.7	1.31	12.0	2.1	51	3.2
Lost 15	1	9/27/07	4	46.20140	-112.98743	riffle	19.0	22.9	1.21	15.8	1.8	43	2.2
Lost 15	1	9/27/07	5	46.20156	-112.98795	riffle	15.4	22.7	1.47	10.4	1.9	44	2.9
Lost 19	1	9/27/07	1	46.17624	-112.94492	riffle	16.6	25.4	1.53	10.8	2.1	61	3.7
Lost 19	1	9/27/07	2	46.17643	-112.94514	riffle	18.8	28.8	1.53	12.3	1.8	42	2.2
Lost 19	1	9/27/07	3	46.17675	-112.94579	riffle	21.5	28.3	1.31	16.4	1.9	47	2.2
Lost 23	1	9/27/07	1	46.16731	-112.87996	riffle	17.1	26.4	1.54	11.1	1.8	307	18.0
Lost 23	1	9/27/07	2	46.16695	-112.88078	riffle	15.6	22.5	1.44	10.8	1.9	296	18.9
Lost 23	1	9/27/07	3	46.16647	-112.88125	riffle	34.0	34.3	1.01	33.7	1.6	334	9.8
Lost 23	1	9/27/07	4	46.16602	-112.88158	riffle	11.7	17.4	1.49	7.8	1.8	67	5.7
Lost 23	1	9/27/07	5	46.16583	-112.88214	riffle	17.7	24.2	1.37	13.0	1.8	253	14.3
Racetrack 19	1	9/28/07	1	46.26780	-112.85799	riffle	32.1	44.1	1.37	23.3	1.9	67	2.1
Racetrack 19	1	9/28/07	2	46.26755	-112.85857	riffle	25.0	30.6	1.23	20.4	1.7	60	2.4
Racetrack 19	1	9/28/07	3	46.26718	-112.85934	riffle	25.2	32.8	1.30	19.4	1.7	54	2.2
Racetrack 19	1	9/28/07	4	46.26689	-112.85970	riffle	27.0	35.4	1.31	20.6	1.9	39	1.4
Racetrack 19	1	9/28/07	5	46.26695	-112.86057	riffle	33.1	40.4	1.22	27.1	1.6	36	1.1
Antelope 10	1	9/28/07	1	46.20465	-112.89389	riffle	4.3	2.2	0.51	8.5	1.0	8	1.8

Table D-5. Channel Cross Section Data

Reach ID	Site	Date	Cell	Latitude	Longitude	Feature	Bankfull Channel Width	Cross-Sectional Area	Bankfull Mean Depth	Width / Depth Ratio	Maximum Depth	Floodprone Width	Entrenchment Ratio
Antelope 10	1	9/28/07	2	46.20464	-112.89436	riffle	8.4	2.9	0.34	24.7	0.9	17	2.1
Antelope 10	1	9/28/07	3	46.20458	-112.89482	riffle	6.8	3.4	0.50	13.6	1.0	29	4.2
Antelope 10	1	9/28/07	4	46.20469	-112.89497	riffle	6.0	3.2	0.54	11.1	1.2	10	1.6
Antelope 10	1	9/28/07	5	46.20464	-112.89529	riffle	10.0	4.4	0.44	22.7	1.0	15	1.5
Warm Springs 17	1	10/2/07	1	46.17626	-113.15636	riffle	18.0	23.6	1.31	13.7	1.9	59	3.3
Warm Springs 17	1	10/2/07	2	46.17670	-113.15714	riffle	22.6	26.2	1.16	19.5	1.8	66	2.9
Warm Springs 17	1	10/2/07	3	46.17701	-113.15743	riffle	17.2	23.8	1.39	12.4	1.9	20	1.2
Warm Springs 17	1	10/2/07	4	46.17780	-113.15739	riffle	14.9	24.0	1.61	9.2	2.2	29	1.9
Warm Springs 17	1	10/2/07	5	46.17804	-113.15759	riffle	19.6	25.5	1.30	15.1	1.7	27	1.4
Warm Springs 24	1	10/2/07	1	46.13501	-112.95976	riffle	34.6	60.4	1.75	19.8	2.5	265	7.6
Warm Springs 24	1	10/2/07	2	46.13521	-112.96064	riffle	32.8	48.7	1.49	22.1	2.0	236	7.2
Warm Springs 24	1	10/2/07	3	46.13544	-112.96143	riffle	57.6	89.8	1.56	36.9	2.2	101	1.7
Warm Springs 24	1	10/2/07	4	46.13560	-112.96216	riffle	34.5	66.7	1.93	17.8	2.5	44	1.3
Warm Springs 24	1	10/2/07	5	46.13570	-112.96317	riffle	41.6	74.0	1.78	23.4	2.4	60	1.4
Warm Springs 30	1	10/2/07	5	46.17294	-112.79838	riffle	27.1	58.1	2.14	12.6	3.0	427	15.8
Willow 11	1	10/3/07	1	46.06098	-112.90012	riffle	19.0	16.8	0.89	21.5	1.2	23	1.2
Willow 11	1	10/3/07	2	46.06058	-112.90076	riffle	13.0	14.1	1.09	12.0	1.4	18	1.3
Willow 11	1	10/3/07	3	46.06049	-112.90125	riffle	13.2	13.0	0.99	13.4	1.3	19	1.5
Willow 11	1	10/3/07	4	46.06016	-112.90148	riffle	18.0	15.8	0.88	20.6	1.1	21	1.1
Willow 11	1	10/3/07	5	46.05988	-112.90182	riffle	17.0	16.6	0.98	17.4	1.3	33	1.9
Willow 13	1	10/3/07	1	46.07411	-112.86454	riffle	12.0	12.4	1.03	11.7	1.6	37	3.1
Willow 13	1	10/3/07	3	46.07422	-112.86594	riffle	20.7	17.5	0.84	24.5	1.5	62	3.0
Willow 13	1	10/3/07	4	46.07405	-112.86660	riffle	13.5	15.5	1.15	11.8	1.5	25	1.8
Willow 13	1	10/3/07	5	46.07403	-112.86774	riffle	19.3	17.6	0.91	21.1	1.4	40	2.1
Willow 19	1	10/3/07	1	46.10660	-112.81156	riffle	19.3	26.4	1.37	14.1	1.7	26	1.4
Willow 19	1	10/3/07	2	46.10643	-112.81165	riffle	23.5	31.3	1.33	17.7	1.9	236	10.0
Willow 19	1	10/3/07	3	46.10579	-112.81166	riffle	31.7	36.6	1.16	27.4	1.4	35	1.1
Willow 19	1	10/3/07	4	46.10595	-112.81214	riffle	17.8	25.2	1.42	12.6	1.8	33	1.8
Willow 19	1	10/3/07	5	46.10627	-112.81256	riffle	20.1	29.9	1.49	13.5	1.8	27	1.3
Mill 25	1	10/4/07	1	46.05075	-113.03377	riffle	31.2	34.5	1.11	28.2	1.7	42	1.4
Mill 25	1	10/4/07	2	46.05054	-113.03407	riffle	28.0	36.7	1.31	21.4	1.7	35	1.3

Table D-5. Channel Cross Section Data

Reach ID	Site	Date	Cell	Latitude	Longitude	Feature	Bankfull Channel Width	Cross-Sectional Area	Bankfull Mean Depth	Width / Depth Ratio	Maximum Depth	Floodprone Width	Entrenchment Ratio
Mill 25	1	10/4/07	3	46.05024	-113.03478	riffle	20.8	32.8	1.58	13.2	2.9	32	1.5
Mill 25	1	10/4/07	4	46.05017	-113.03529	riffle	19.5	27.7	1.42	13.7	1.8	21	1.1
Mill 40	1	10/4/07	1	46.10164	-112.87955	riffle	33.0	46.7	1.42	23.3	1.9	42	1.3
Mill 40	1	10/4/07	2	46.10118	-112.88016	riffle	15.8	20.1	1.27	12.4	1.9	26	1.6
Mill 40	1	10/4/07	3	46.10098	-112.88058	riffle	37.0	28.5	0.77	48.1	1.7	55	1.5
Mill 40	1	10/4/07	4	46.10063	-112.88103	riffle	32.8	37.9	1.15	28.4	1.6	73	2.2
Mill 40	1	10/4/07	5	46.10058	-112.88171	riffle	21.6	31.5	1.46	14.8	2.3	32	1.5

Table D-6. Riffle Substrate Data

Reach ID	Site	Date	Cell	Riffle Pebble Count D50	Riffle Pebble Count Percent <2mm	Riffle Pebble Count Percent <6mm	Riffle Grid Toss Percent <6mm	Riffle Stability Index
Warm Springs 21	1	9/19/2007	1	31	1	1	0	
Warm Springs 21	1	9/19/2007	3	36	0	2	1	
Warm Springs 21	1	9/19/2007	5	33	5	5	1	
Warm Springs 21	2	9/19/2007	1	26	3	6	1	
Warm Springs 21	2	9/19/2007	3	39	8	8	1	
Warm Springs 21	2	9/19/2007	5	30	1	3	1	
Warm Springs 29	1	9/19/2007	1	15	28	31	37	
Warm Springs 29	1	9/19/2007	3	16	14	18	43	
Warm Springs 29	1	9/19/2007	5	6.5	23	44	63	
Brock 19	1	9/20/2007	1	3.7	38	59	33	
Brock 19	1	9/20/2007	3	27	5	10	4	
Brock 19	1	9/20/2007	5	34	11	29	30	
Hoover 7	1	9/20/07	1	16	10	28	12	
Hoover 7	1	9/20/07	3	26	14	30	20	
Hoover 7	1	9/20/07	5	20	8	21	18	
Gold 9	1	9/20/2007	1	21	13	18	3	
Gold 9	1	9/20/2007	2	28	6	13	5	
Gold 9	1	9/20/2007	3	29	19	24	15	
Hoover 16	1	9/21/2007	1	3.2	33	77	82	
Hoover 16	1	9/21/2007	3	4.1	31	75	65	
Hoover 16	1	9/21/2007	5	3.7	38	62	79	
Gold 22	1	9/21/2007	1	38	9	12	9	
Gold 22	1	9/21/2007	3	39	6	7	3	
Gold 22	1	9/21/2007	5	56	8	10	12	
Peterson 15	1	9/26/2007	1	16	10	38	10	
Peterson 15	1	9/26/2007	3	28	6	16	14	
Peterson 15	1	9/26/2007	5	42	4	17	24	
Tin Cup Joe 18	1	9/26/2007	1	17	29	39	37	
Tin Cup Joe 18	1	9/26/2007	3	7	20	46	46	
Tin Cup Joe 18	1	9/26/2007	5	13	14	27	35	
Modesty 28	1	9/26/2007	4	13	9	26		
Lost 15	1	9/27/2007	1	31	5	18	16	
Lost 15	1	9/27/2007	3	32	4	21	12	
Lost 15	1	9/27/2007	5	41	2	18	9	
Lost 15	1	9/27/2007	4					65
Lost 19	1	9/27/2007	1	16	9	34	33	
Lost 19	1	9/27/2007	2	19	4	14	20	
Lost 19	1	9/27/2007	3	25	8	23	31	
Lost 23	1	9/27/2007	1	35	4	20	12	

Table D-6. Riffle Substrate Data

Reach ID	Site	Date	Cell	Riffle Pebble Count D50	Riffle Pebble Count Percent <2mm	Riffle Pebble Count Percent <6mm	Riffle Grid Toss Percent <6mm	Riffle Stability Index
Lost 23	1	9/27/2007	3	27	1	33	15	
Lost 23	1	9/27/2007	5	43	3	18	20	
Racetrack 19	1	9/28/2007	1	46	6	23	8	
Racetrack 19	1	9/28/2007	3	48	11	25	7	74
Racetrack 19	1	9/28/2007	5	43	7	20	5	90
Antelope 10	1	9/28/2007	1	<3	45	71	69	
Antelope 10	1	9/28/2007	3	4.5	38	59	86	
Antelope 10	1	9/28/2007	5	<3	35	64	67	
Warm Springs 17	1	10/2/2007	1	58	1	7	6	78
Warm Springs 17	1	10/2/2007	3	80	3	7	1	
Warm Springs 17	1	10/2/2007	5	73	1	6	5	
Warm Springs 24	1	10/2/2007	1	60	1	7	7	
Warm Springs 24	1	10/2/2007	3	70	5	12	3	
Warm Springs 24	1	10/2/2007	5	61	4	11		
Warm Springs 30	1	10/2/2007	4					89
Warm Springs 30	1	10/2/2007	4					93
Warm Springs 30	1	10/2/2007	5	21	2	8	6	
Willow 11	1	10/3/2007	1	32	7	20	18	
Willow 11	1	10/3/2007	3	56	11	13	15	
Willow 11	1	10/3/2007	5	44	15	24	22	
Willow 13	1	10/3/2007	1	49	6	8	5	
Willow 13	1	10/3/2007	3	15	27	31	5	
Willow 13	1	10/3/2007	5	19	11	26	17	
Willow 19	1	10/3/2007	1	36	13	23	2	
Willow 19	1	10/3/2007	3	18	9	13	1	
Willow 19	1	10/3/2007	5	12	14	31	7	
Mill 25	1	10/4/2007	1	39	0	9	2	89
Mill 25	1	10/4/2007	3	31	1	12	4	93
Mill 25	1	10/4/2007	4	39	0	7	3	93
Mill 40	1	10/4/2007	1	72	3	6	2	77
Mill 40	1	10/4/2007	3	101	11	12	0	46
Mill 40	1	10/4/2007	5	59	9	18	5	
Mill 40	1	10/4/2007	4					71

Table D-7. Pool and Large Woody Debris Data

Reach ID	Site	Date	Cell	Number of Pools per 500 Feet	Number of Individual Pieces of LWD per 500 Feet	Number of LWD Aggregates per 500 Feet	Total Number of LWD per 500 Feet	Number of Pools per 1000 Feet	Mean Residual Pool Depth	Number of Individual Pieces of LWD per 1000 Feet	Number of LWD Aggregates per 1000 Feet	Total Number of LWD per 1000 Feet	Number of Pools per 2000 Feet	Number of Individual Pieces of LWD per 2000 Feet	Number of LWD Aggregates per 2000 Feet	Total Number of LWD per 2000 Feet
Warm Springs 21	1	9/19/2007	1-5	4	8	1	11	8	0.8	16	2	22				
Warm Springs 21	2	9/19/2007	1-5	10	16	4	39	20	0.7	32	8	78				
Warm Springs 29	1	9/19/2007	1-5					18	1.2	9	1	14				
Brock 19	1	9/20/2007	1-5	13	40	8	85	26	0.7	80	16	170				
Hoover 7	1	9/20/2007	1-5	10	8	4	21	20	0.5	16	8	42				
Gold 9	1	9/20/2007	1-5					12	0.7	17	0	35				
Gold 22	1	9/21/2007	1-5					5	1.5	16	3	33				
Hoover 16	1	9/21/2007	1-5	9	13	1	19	18	0.5	26	2	38				
Peterson 15	1	9/26/2007	1-5	9	0	0	19	18	0.6	0	0	38				
Tin Cup Joe 18	1	9/26/2007	1-5	7	2	2	12	14	0.6	4	4	24				
Modesty 28	1	9/26/2007	1-5	Longitudinal profile not performed												
Lost 15	1	9/27/2007	1-5					15	0.8	33	6	77				
Lost 19	1	9/27/2007	1-5					17	0.6	30	7	80				
Lost 23	1	9/27/2007	1-5					9	0.9	26	9	76				
Racetrack 19	1	9/28/2007	1-5					12	1.1	23	1	29				
Antelope 10	1	9/28/2007	1-5	0	1	0	7	0	0.0	2	0	14				
Warm Springs 17	1	10/2/2007	1-5					6	1.2	5	2	10				
Warm Springs 24	1	10/2/2007	1-5					0	0.0	6	1	9				
Warm Springs 30	1	10/2/2007	1-5					4	2.9	1	0	5				
Willow 11	1	10/3/2007	1-5					23	0.9	9	0	37				
Willow 13	1	10/3/2007	1-5					19	1.2	37	0	69				
Willow 19	1	10/3/2007	1-5					6	1.4	0	0	0				
Mill 25	1	10/4/2007	1-5					22	1.4	36	4	61				
Mill 40	1	10/4/2007	1-5					7	1.4	8	1	14				

Table D-8. Fine Sediment in Pool Tail-outs

Reach ID	Site	Date	Cell	Pool Number	Pool Grid Toss Percent <6mm
Warm Springs 21	2	9/19/2007	1	2	7
Warm Springs 21	2	9/19/2007	2	5	7
Warm Springs 21	2	9/19/2007	3	6	5
Warm Springs 29	1	9/19/2007	1	1	100
Warm Springs 29	1	9/19/2007	1	2	100
Warm Springs 29	1	9/19/2007	2	5	52
Warm Springs 29	1	9/19/2007	3	9	62
Warm Springs 29	1	9/19/2007	4	13	58
Hoover 7	1	9/20/2007	1	1	22
Hoover 7	1	9/20/2007	1	2	76
Hoover 7	1	9/20/2007	2	5	20
Hoover 7	1	9/20/2007	2	7	15
Hoover 7	1	9/20/2007	5	10	44
Gold 9	1	9/20/2007	1	1	87
Gold 9	1	9/20/2007	1	2	7
Gold 9	1	9/20/2007	2	5	15
Gold 9	1	9/20/2007	2	6	7
Gold 22	1	9/21/2007	1	2	11
Gold 22	1	9/21/2007	2	3	13
Gold 22	1	9/21/2007	2	4	14
Gold 22	1	9/21/2007	3	5	13
Hoover 16	1	9/21/2007	3	5	99
Hoover 16	1	9/21/2007	4	7	41
Peterson 15	1	9/26/2007	1	1	13
Peterson 15	1	9/26/2007	2	3	11
Peterson 15	1	9/26/2007	2	5	4
Peterson 15	1	9/26/2007	3	6	7
Peterson 15	1	9/26/2007	5	9	63
Tin Cup Joe 18	1	9/26/2007	2	2	28
Tin Cup Joe 18	1	9/26/2007	3	4	29
Lost 15	1	9/27/2007	1	2	14
Lost 15	1	9/27/2007	1	3	11
Lost 15	1	9/27/2007	2	5	13
Lost 15	1	9/27/2007	2	6	16
Lost 15	1	9/27/2007	3	8	18
Lost 15	1	9/27/2007	3	9	13
Lost 15	1	9/27/2007	5	14	16
Lost 19	1	9/27/2007	2	1	16
Lost 19	1	9/27/2007	2	2	12
Lost 19	1	9/27/2007	3	8	31
Lost 19	1	9/27/2007	3	10	12

Table D-8. Fine Sediment in Pool Tail-outs

Reach ID	Site	Date	Cell	Pool Number	Pool Grid Toss Percent <6mm
Lost 23	1	9/27/2007	1	2	31
Lost 23	1	9/27/2007	5	7	16
Lost 23	1	9/27/2007	5	8	13
Racetrack 19	1	9/28/2007	1	1	20
Racetrack 19	1	9/28/2007	1	2	12
Racetrack 19	1	9/28/2007	2	4	65
Racetrack 19	1	9/28/2007	2	6	11
Racetrack 19	1	9/28/2007	3	8	12
Racetrack 19	1	9/28/2007	3	9	27
Racetrack 19	1	9/28/2007	5	12	12
Warm Springs 17	1	10/2/2007	1	1	10
Warm Springs 17	1	10/2/2007	1	2	10
Warm Springs 17	1	10/2/2007	3	4	14
Warm Springs 30	1	10/2/2007	4	2	10
Warm Springs 30	1	10/2/2007	4	3	3
Willow 11	1	10/3/2007	1	3	5
Willow 11	1	10/3/2007	2	6	12
Willow 11	1	10/3/2007	3	12	9
Willow 11	1	10/3/2007	4	16	3
Willow 11	1	10/3/2007	4	18	1
Willow 11	1	10/3/2007	5	20	10
Willow 11	1	10/3/2007	5	23	8
Willow 19	1	10/3/2007	2	1	8
Willow 19	1	10/3/2007	2	2	3
Willow 19	1	10/3/2007	3	3	7
Willow 19	1	10/3/2007	3	4	10
Willow 19	1	10/3/2007	4	5	24
Willow 19	1	10/3/2007	5	6	10
Mill 25	1	10/4/2007	1	2	2
Mill 25	1	10/4/2007	1	3	5
Mill 25	1	10/4/2007	2	6	3
Mill 25	1	10/4/2007	2	8	12
Mill 25	1	10/4/2007	3	10	7
Mill 25	1	10/4/2007	3	12	8
Mill 25	1	10/4/2007	4	14	13
Mill 25	1	10/4/2007	4	16	6
Mill 25	1	10/4/2007	5	18	5
Mill 25	1	10/4/2007	5	19	3

Table D-9. Riparian Greenline Data

Reach ID	Site	Date	Cell	Percent Understory Shrub Cover	Percent Bare/Disturbed Ground	Percent Riprap	Percent Overstory Canopy Cover	Right Bank Mean Riparian Zone Width	Left Bank Mean Riparian Zone Width
Warm Springs 21	1	9/19/2007	1	50	0	0	5	10	>300
Warm Springs 21	1	9/19/2007	2	50	0	5	10	5	>300
Warm Springs 21	1	9/19/2007	3	40	0	0	10	3	>300
Warm Springs 21	1	9/19/2007	4	60	0	0	5	8	>300
Warm Springs 21	1	9/19/2007	5	65	0	0	15	13	>300
Warm Springs 21	2	9/19/2007	1	85	0	0	25	25	>300
Warm Springs 21	2	9/19/2007	2	70	5	0	45	30	>300
Warm Springs 21	2	9/19/2007	3	80	0	0	40	30	>300
Warm Springs 21	2	9/19/2007	4	35	0	0	40	65	>300
Warm Springs 21	2	9/19/2007	5	10	0	0	15	43	>300
Warm Springs 29	1	9/19/2007	1	20	0	0	0	58	13
Warm Springs 29	1	9/19/2007	2	15	0	0	0	44	16
Warm Springs 29	1	9/19/2007	3	0	0	0	0	38	20
Warm Springs	1	9/19/2007	4	13	0	0	0	28	15

Table D-9. Riparian Greenline Data

Reach ID	Site	Date	Cell	Percent Understory Shrub Cover	Percent Bare/Disturbed Ground	Percent Riprap	Percent Overstory Canopy Cover	Right Bank Mean Riparian Zone Width	Left Bank Mean Riparian Zone Width
29									
Warm Springs 29	1	9/19/2007	5	30	0	0	0	76	79
Brock 19	1	9/20/2007	1	50	35	0	45	85	75
Brock 19	1	9/20/2007	2	60	25	0	10	130	58
Brock 19	1	9/20/2007	3	35	20	0	25	53	88
Brock 19	1	9/20/2007	4	85	30	0	35	33	25
Brock 19	1	9/20/2007	5	85	30	0	55	3	35
Hoover 7	1	9/20/2007	1	55	0	0	15	10	80
Hoover 7	1	9/20/2007	2	55	5	0	40	15	80
Hoover 7	1	9/20/2007	3	55	0	0	10	10	60
Hoover 7	1	9/20/2007	4	60	0	0	20	18	45
Hoover 7	1	9/20/2007	5	85	0	0	30	20	48
Gold 9	1	9/20/2007	1	35	13	0	40	50	>200
Gold 9	1	9/20/2007	2	35	8	0	65	60	>200
Gold 9	1	9/20/2007	3	50	0	0	30	60	>200
Gold 22	1	9/21/2007	1	20	5	8	25	0	0
Gold 22	1	9/21/2007	2	5	0	3	18	0	0
Gold 22	1	9/21/2007	3	10	0	23	45	0	0
Gold 22	1	9/21/2007	4	18	0	0	50	0	0
Gold 22	1	9/21/2007	5	8	8	0	45	0	0
Hoover 16	1	9/21/2007	1	0	5	0	0	0	0
Hoover 16	1	9/21/2007	2	0	0	0	0	0	0
Hoover 16	1	9/21/2007	3	0	10	0	0	0	0
Hoover 16	1	9/21/2007	4	0	10	0	0	0	0
Hoover 16	1	9/21/2007	5	40	30	0	0	1	3

Table D-9. Riparian Greenline Data

Reach ID	Site	Date	Cell	Percent Understory Shrub Cover	Percent Bare/Disturbed Ground	Percent Riprap	Percent Overstory Canopy Cover	Right Bank Mean Riparian Zone Width	Left Bank Mean Riparian Zone Width
Peterson 15	1	9/26/2007	1	55	5	0	0	>200	>200
Peterson 15	1	9/26/2007	2	50	5	0	0	>200	>200
Peterson 15	1	9/26/2007	3	35	35	0	0	>200	>190
Peterson 15	1	9/26/2007	4	65	30	0	5	>200	>175
Peterson 15	1	9/26/2007	5	60	10	0	5	>200	>200
Tin Cup Joe 18	1	9/26/2007	1	25	10	0	0	>200	100
Tin Cup Joe 18	1	9/26/2007	2	60	20	0	10	>175	>175
Tin Cup Joe 18	1	9/26/2007	3	60	20	0	0	>200	165
Tin Cup Joe 18	1	9/26/2007	4	60	25	0	5	>200	135
Tin Cup Joe 18	1	9/26/2007	5	75	15	0	15	>200	68
Modesty 28	1	9/26/2007	1	0	0	0	0	>200	105
Modesty 28	1	9/26/2007	2	0	10	0	0	>200	100
Modesty 28	1	9/26/2007	3	0	0	0	0	>200	105
Modesty 28	1	9/26/2007	4	0	0	0	0	>200	115
Modesty 28	1	9/26/2007	5	0	10	0	0	>200	115
Lost 15	1	9/27/2007	1	98	0	0	43	58	90
Lost 15	1	9/27/2007	2	85	0	0	20	62	43
Lost 15	1	9/27/2007	3	93	0	0	5	50	55
Lost 15	1	9/27/2007	4	90	8	0	3	31	53
Lost 15	1	9/27/2007	5	73	28	0	13	10	60
Lost 19	1	9/27/2007	1	98	0	0	60	80	35
Lost 19	1	9/27/2007	2	63	0	0	20	80	27

Table D-9. Riparian Greenline Data

Reach ID	Site	Date	Cell	Percent Understory Shrub Cover	Percent Bare/Disturbed Ground	Percent Riprap	Percent Overstory Canopy Cover	Right Bank Mean Riparian Zone Width	Left Bank Mean Riparian Zone Width
Lost 19	1	9/27/2007	3	95	0	0	30	28	30
Lost 23	1	9/27/2007	1	60	0	0	35	135	118
Lost 23	1	9/27/2007	2	38	25	0	68	>200	>200
Lost 23	1	9/27/2007	3	65	35	0	80	>200	>200
Lost 23	1	9/27/2007	4	63	3	0	68	>200	>200
Lost 23	1	9/27/2007	5	70	13	0	78	>200	>200
Racetrack 19	1	9/28/2007	1	73	0	0	10	78	44
Racetrack 19	1	9/28/2007	2	93	5	0	28	60	138
Racetrack 19	1	9/28/2007	3	70	3	0	5	60	118
Racetrack 19	1	9/28/2007	4	83	15	0	15	33	145
Racetrack 19	1	9/28/2007	5	98	5	0	13	150	238
Antelope 10	1	9/28/2007	1	15	45	0	0	0	3
Antelope 10	1	9/28/2007	2	25	45	0	0	0	1
Antelope 10	1	9/28/2007	3	50	35	0	0	0	5
Antelope 10	1	9/28/2007	4	40	85	0	0	0	0
Antelope 10	1	9/28/2007	5	55	40	0	0	0	7
Warm Springs 17	1	10/2/2007	1	75	0	0	8	55	>300
Warm Springs 17	1	10/2/2007	2	58	0	0	20	24	>300
Warm Springs 17	1	10/2/2007	3	55	0	0	30	31	>300
Warm Springs 17	1	10/2/2007	4	48	0	0	30	55	>300
Warm Springs 17	1	10/2/2007	5	45	0	0	53	35	>300
Warm Springs	1	10/2/2007	1	73	5	0	38	4	83

Table D-9. Riparian Greenline Data

Reach ID	Site	Date	Cell	Percent Understory Shrub Cover	Percent Bare/Disturbed Ground	Percent Riprap	Percent Overstory Canopy Cover	Right Bank Mean Riparian Zone Width	Left Bank Mean Riparian Zone Width
24									
Warm Springs 24	1	10/2/2007	2	80	10	0	95	5	68
Warm Springs 24	1	10/2/2007	3	68	15	5	63	6	21
Warm Springs 24	1	10/2/2007	4	55	10	5	85	4	11
Warm Springs 24	1	10/2/2007	5	88	5	3	78	8	29
Warm Springs 30	1	10/2/2007	1	95	0	0	88	150	19
Warm Springs 30	1	10/2/2007	2	95	0	0	70	93	14
Warm Springs 30	1	10/2/2007	3	88	0	0	55	28	100
Warm Springs 30	1	10/2/2007	4	25	0	0	3	31	>213
Warm Springs 30	1	10/2/2007	5	28	0	0	3	144	>300
Willow 11	1	10/3/2007	1	75	0	0	30	>300	56
Willow 11	1	10/3/2007	2	88	0	0	25	>300	43
Willow 11	1	10/3/2007	3	90	3	0	18	>300	33
Willow 11	1	10/3/2007	4	83	5	0	13	>300	30
Willow 11	1	10/3/2007	5	80	0	0	23	>300	29
Willow 13	1	10/3/2007	1	55	0	0	0	55	14
Willow 13	1	10/3/2007	2	68	3	0	0	64	10
Willow 13	1	10/3/2007	3	68	0	0	0	65	0

Table D-9. Riparian Greenline Data

Reach ID	Site	Date	Cell	Percent Understory Shrub Cover	Percent Bare/Disturbed Ground	Percent Riprap	Percent Overstory Canopy Cover	Right Bank Mean Riparian Zone Width	Left Bank Mean Riparian Zone Width
Willow 13	1	10/3/2007	4	60	0	0	0	68	1
Willow 13	1	10/3/2007	5	58	0	0	0	33	18
Willow 19	1	10/3/2007	1	8	0	0	8	0	0
Willow 19	1	10/3/2007	2	0	0	0	0	0	0
Willow 19	1	10/3/2007	3	0	0	0	0	0	0
Willow 19	1	10/3/2007	4	10	0	0	10	5	0
Willow 19	1	10/3/2007	5	10	0	0	13	4	0
Mill 25	1	10/4/2007	1	60	5	0	33	>300	>300
Mill 25	1	10/4/2007	2	63	0	0	3	>300	>300
Mill 25	1	10/4/2007	3	35	3	0	15	>300	>300
Mill 25	1	10/4/2007	4	48	5	0	0	>300	>300
Mill 25	1	10/4/2007	5	73	0	0	3	>300	>300
Mill 40	1	10/4/2007	1	88	0	0	65	16	14
Mill 40	1	10/4/2007	2	85	3	0	100	19	168
Mill 40	1	10/4/2007	3	73	0	0	68	113	263
Mill 40	1	10/4/2007	4	93	0	0	98	275	288
Mill 40	1	10/4/2007	5	58	0	0	33	153	213

Table D-10. Streambank Erosion Data

Reach ID	Site	Date	Cell	Erosion Rate	Mean BEHI Score	Length of Eroding Bank (Feet)	Percent of Reach with Eroding Bank	Reach Sediment Load (Tons/Year)	Total Sediment Load per 1000 Feet (Tons/Year)	Reach Transporation Load (Tons/Year)	Transporation Load (Percent)	Reach Riparian Grazing Load (Tons/Year)	Riparian Grazing Load (Percent)	Reach Cropland Load (Tons/Year)	Cropland Load (Percent)	Reach Mining Load (Tons/Year)	Mining Load (Percent)	Reach Silviculture Load (Tons/Year)	Silviculture Load (Percent)	Reach Irrigation Load (Tons/Year)	Irrigation Load (Percent)	Reach Natural Load (Tons/Year)	Natural Load (Percent)	Reach "Other" Load (Tons/Year)	"Other" Load (Percent)
Warm Springs 21	1	9/19/2007	1-5	Actively/Visually Eroding	30	197	20	6.6	13.2	6.6	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Warm Springs 21	1	9/19/2007	1-5	Slowly Eroding/Undercut/Vegetated	1	760	76	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	100.0	0.0	0.0
Warm Springs 21	1	9/19/2007	1-5	Total		957	96	6.7	13.5	6.6	97.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2	0.0	0.0
Warm Springs 21	2	9/19/2007	1-5	Actively/Visually Eroding	29	85	9	4.2	8.3	0.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	93.7	0.0	0.0
Warm Springs 21	2	9/19/2007	1-5	Slowly Eroding/Undercut/Vegetated	3	339	34	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	100.0	0.0	0.0
Warm Springs 21	2	9/19/2007	1-5	Total		424	42	4.2	8.5	0.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	93.8	0.0	0.0
Warm Springs 29	1	9/19/2007	1-5	Actively/Visually Eroding	33	388	19	32.1	32.1	0.0	0.0	6.4	20.0	25.7	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Warm Springs 29	1	9/19/2007	1-5	Slowly Eroding/Undercut/Vegetated	32	25	1	3.2	3.2	0.0	0.0	0.0	0.0	0.6	20.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	80.0	0.0	0.0
Warm Springs 29	1	9/19/2007	1-5	Total		413	21	35.3	35.3	0.0	0.0	6.4	18.2	26.3	74.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.2	0.0	0.0
Brock 19	1	9/20/2007	1-5	Actively/Visually Eroding	34	99	10	8.0	16.0	0.0	0.0	6.4	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	20.0	0.0	0.0
Brock 19	1	9/20/2007	1-5	Slowly Eroding/Undercut/Vegetated	20	103	10	1.2	2.4	0.0	0.0	0.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	92.8	0.0	0.0
Brock 19	1	9/20/2007	1-5	Total		202	20	9.2	18.5	0.0	0.0	6.5	70.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	29.7	0.0	0.0
Hoover 7	1	9/20/2007	1-5	Actively/Visually Eroding	36	43	4	5.7	11.4	0.0	0.0	1.7	30.0	0.0	0.0	0.0	0.0	2.8	50.0	1.1	18.8	0.1	1.2	0.0	0.0
Hoover 7	1	9/20/2007	1-5	Slowly Eroding/Undercut/Vegetated	25	123	12	1.8	3.7	0.0	0.0	0.1	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	92.5	0.0	0.0
Hoover 7	1	9/20/2007	1-5	Total		166	17	7.5	15.1	0.0	0.0	1.8	24.5	0.0	0.0	0.0	0.0	2.8	37.8	1.1	14.2	1.8	23.4	0.0	0.0
Gold 9	1	9/20/2007	1-5	Actively/Visually Eroding	28	51	4	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	30.0	0.0	0.0	0.0	0.0	0.6	70.0
Gold 9	1	9/20/2007	1-5	Slowly Eroding/Undercut/Vegetated	16	550	46	2.4	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	100.0	0.0	0.0
Gold 9	1	9/20/2007	1-5	Total		601	50	3.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	7.8	0.0	0.0	2.4	74.0	0.6	18.2
Gold 22	1	9/21/2007	1-5	Actively/Visually Eroding	22	383	19	8.6	8.6	0.0	0.0	8.0	93.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	6.3	0.0	0.0
Gold 22	1	9/21/2007	1-5	Slowly Eroding/Undercut/Vegetated	28	374	19	14.0	14.0	0.0	0.0	12.6	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	10.0	0.0	0.0
Gold 22	1	9/21/2007	1-5	Total		757	38	22.5	22.5	0.0	0.0	20.6	91.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	8.6	0.0	0.0
Hoover 16	1	9/21/2007	1-5	Actively/Visually Eroding	31	181	18	5.4	10.9	0.0	0.0	4.5	83.4	0.0	0.0	0.0	0.0	0.0	0.0	0.9	16.6	0.0	0.0	0.0	0.0
Hoover 16	1	9/21/2007	1-5	Slowly Eroding/Undercut/Vegetated	18	26	3	0.0	0.1	0.0	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Hoover 16	1	9/21/2007	1-5	Total		207	21	5.5	11.0	0.0	0.0	4.6	83.4	0.0	0.0	0.0	0.0	0.0	0.0	0.9	16.5	0.0	0.2	0.0	0.0
Peterson 15	1	9/26/2007	1-5	Actively/Visually Eroding	30	150	15	6.3	12.7	0.0	0.0	3.6	56.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	8.3	2.2	35.5	0.0	0.0
Peterson 15	1	9/26/2007	1-5	Slowly Eroding/Undercut/Vegetated	24	171	17	4.6	9.2	0.0	0.0	0.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.6	3.5	35.4	0.0	0.0
Peterson 15	1	9/26/2007	1-5	Total		321	32	10.9	21.9	0.0	0.0	4.2	38.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.9	5.8	52.9	0.0	0.0

Table D-10. Streambank Erosion Data

Reach ID	Site	Date	Cell	Erosion Rate	Mean BEHI Score	Length of Eroding Bank (Feet)	Percent of Reach with Eroding Bank	Reach Sediment Load (Tons/Year)	Total Sediment Load per 1000 Feet (Tons/Year)	Reach Transporation Load (Tons/Year)	Transporation Load (Percent)	Reach Riparian Grazing Load (Tons/Year)	Riparian Grazing Load (Percent)	Reach Cropland Load (Tons/Year)	Cropland Load (Percent)	Reach Mining Load (Tons/Year)	Mining Load (Percent)	Reach Silviculture Load (Tons/Year)	Silviculture Load (Percent)	Reach Irrigation Load (Tons/Year)	Irrigation Load (Percent)	Reach Natural Load (Tons/Year)	Natural Load (Percent)	Reach "Other" Load (Tons/Year)	"Other" Load (Percent)
Tin Cup Joe 18	1	9/26/2007	1-5	Actively/Visually Eroding	29	193	19	12.8	25.7	0.0	0.0	12.8	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tin Cup Joe 18	1	9/26/2007	1-5	Slowly Eroding undercut/vegetated	28	21	2	0.3	0.6	0.0	0.0	0.1	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	70.0	0.0	0.0
Tin Cup Joe 18	1	9/26/2007	1-5	Total		214	21	13.1	26.3	0.0	0.0	12.9	98.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	0.0	0.0
Modesty 28	1	9/26/2007	1-5	Actively/Visually Eroding	28	62	6	1.6	3.2	0.0	0.0	0.4	27.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	72.1	0.0	0.0	0.0	0.0
Modesty 28	1	9/26/2007	1-5	Slowly Eroding/Undercut/Vegetated	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Modesty 28	1	9/26/2007	1-5	Total		62	6	1.6	3.2	0.0	0.0	0.4	27.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	72.1	0.0	0.0	0.0	0.0
Lost 15	1	9/27/2007	1-5	Actively/Visually Eroding	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lost 15	1	9/27/2007	1-5	Slowly Eroding/Undercut/Vegetated	17	118	12	0.8	0.8	0.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	10.0	0.0	0.0	0.7	80.0	0.0	0.0
Lost 15	1	9/27/2007	1-5	Total		118	12	0.8	0.8	0.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	10.0	0.0	0.0	0.7	80.0	0.0	0.0
Lost 19	1	9/27/2007	1-5	Actively/Visually Eroding	29	12	2	0.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	30.0	0.1	20.0	0.0	0.0	0.1	30.0	0.1	20.0
Lost 19	1	9/27/2007	1-5	Slowly Eroding/Undercut/Vegetated	19	53	9	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	62.3	0.1	37.7
Lost 19	1	9/27/2007	1-5	Total		65	11	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	19.7	0.1	13.1	0.0	0.0	0.3	41.1	0.2	26.1
Lost 23	1	9/27/2007	1-5	Actively/Visually Eroding	29	577	58	9.1	9.1	0.0	0.0	8.0	87.7	0.5	5.7	0.0	0.0	0.0	0.0	0.5	5.7	0.1	0.9	0.0	0.0
Lost 23	1	9/27/2007	1-5	Slowly Eroding/Undercut/Vegetated	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lost 23	1	9/27/2007	1-5	Total		577	58	9.1	9.1	0.0	0.0	8.0	87.7	0.5	5.7	0.0	0.0	0.0	0.0	0.5	5.7	0.1	0.9	0.0	0.0
Racetrack 19	1	9/28/2007	1-5	Actively/Visually Eroding	29	229	23	9.6	9.6	0.0	0.0	7.8	81.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	18.8	0.0	0.0
Racetrack 19	1	9/28/2007	1-5	Slowly Eroding/Undercut/Vegetated	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racetrack 19	1	9/28/2007	1-5	Total		229	23	9.6	9.6	0.0	0.0	7.8	81.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	18.8	0.0	0.0
Antelope 10	1	9/28/2007	1-5	Actively/Visually Eroding	27	323	32	3.2	6.4	0.0	0.0	3.0	92.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	7.1	0.0	0.0
Antelope 10	1	9/28/2007	1-5	Slowly Eroding/Undercut/Vegetated	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Antelope 10	1	9/28/2007	1-5	Total		323	32	3.2	6.4	0.0	0.0	3.0	92.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	7.1	0.0	0.0
Warm Springs 17	1	10/2/2007	1-5	Actively/Visually Eroding	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Warm Springs 17	1	10/2/2007	1-5	Slowly Eroding/Undercut/Vegetated	22	218	11	2.3	2.3	0.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	97.8	0.0	0.0
Warm Springs 17	1	10/2/2007	1-5	Total		218	11	2.3	2.3	0.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	97.8	0.0	0.0
Warm Springs 24	1	10/2/2007	1-5	Actively/Visually Eroding	25	122	6	2.1	2.1	1.4	65.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	33.5
Warm	1	10/2/2007	1-5	Slowly	20	196	10	2.9	2.9	0.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.6	2.2	75.6

Table D-10. Streambank Erosion Data

Reach ID	Site	Date	Cell	Erosion Rate	Mean BEHI Score	Length of Eroding Bank (Feet)	Percent of Reach with Eroding Bank	Reach Sediment Load (Tons/Year)	Total Sediment Load per 1000 Feet (Tons/Year)	Reach Transporation Load (Tons/Year)	Transporation Load (Percent)	Reach Riparian Grazing Load (Tons/Year)	Riparian Grazing Load (Percent)	Reach Cropland Load (Tons/Year)	Cropland Load (Percent)	Reach Mining Load (Tons/Year)	Mining Load (Percent)	Reach Silviculture Load (Tons/Year)	Silviculture Load (Percent)	Reach Irrigation Load (Tons/Year)	Irrigation Load (Percent)	Reach Natural Load (Tons/Year)	Natural Load (Percent)	Reach "Other" Load (Tons/Year)	"Other" Load (Percent)
Springs 24				Eroding/Undercut/Vegetated																					
Warm Springs 24	1	10/2/2007	1-5	Total		318	16	5.1	5.1	1.7	32.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	9.2	2.9	57.8
Warm Springs 30	1	10/2/2007	1-5	Actively/Visually Eroding	27	31	2	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	100.0	0.0	0.0
Warm Springs 30	1	10/2/2007	1-5	Slowly Eroding/Undercut/Vegetated	27	14	1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	90.0	0.0	0.0
Warm Springs 30	1	10/2/2007	1-5	Total		45	2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	97.8	0.0	0.0
Willow 11	1	10/3/2007	1-5	Actively/Visually Eroding	35	176	9	18.6	18.6	9.4	50.3	0.0	0.0	0.0	0.0	0.0	0.0	5.5	29.8	0.0	0.0	3.7	19.9	0.0	0.0
Willow 11	1	10/3/2007	1-5	Slowly Eroding/Undercut/Vegetated	30	18	1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	20.0	0.0	0.0	0.8	80.0	0.0	0.0
Willow 11	1	10/3/2007	1-5	Total		194	10	19.7	19.7	9.4	47.6	0.0	0.0	0.0	0.0	0.0	0.0	5.8	29.3	0.0	0.0	4.6	23.1	0.0	0.0
Willow 13	1	10/3/2007	1-5	Actively/Visually Eroding	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Willow 13	1	10/3/2007	1-5	Slowly Eroding/Undercut/Vegetated	28	193	10	3.7	3.7	0.0	0.0	0.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	93.7	0.0	0.0
Willow 13	1	10/3/2007	1-5	Total		193	10	3.7	3.7	0.0	0.0	0.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	93.7	0.0	0.0
Willow 19	1	10/3/2007	1-5	Actively/Visually Eroding	39	442	22	39.9	39.9	0.0	0.0	27.9	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	30.0	0.0	0.0
Willow 19	1	10/3/2007	1-5	Slowly Eroding/Undercut/Vegetated	28	15	1	0.2	0.2	0.0	0.0	0.1	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	30.0	0.0	0.0
Willow 19	1	10/3/2007	1-5	Total		457	23	40.1	40.1	0.0	0.0	28.1	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	30.0	0.0	0.0
Mill 25	1	10/4/2007	1-5	Actively/Visually Eroding	31	128	7	9.7	9.7	0.0	0.0	1.7	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	82.2	0.0	0.0
Mill 25	1	10/4/2007	1-5	Slowly Eroding/Undercut/Vegetated	21	80	4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	100.0	0.0	0.0
Mill 25	1	10/4/2007	1-5	Total		208	11	11.0	11.0	0.0	0.0	1.7	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	84.4	0.0	0.0
Mill 40	1	10/4/2007	1-5	Actively/Visually Eroding	36	51	3	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	2.7	43.7	0.0	0.0	0.0	0.0	0.8	12.6	2.7	43.7
Mill 40	1	10/4/2007	1-5	Slowly Eroding/Undercut/Vegetated	27	290	15	4.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	2.2	47.5	0.0	0.0	0.0	0.0	0.2	5.0	2.2	47.5
Mill 40	1	10/4/2007	1-5	Total		341	17	10.6	10.6	0.0	0.0	0.0	0.0	0.0	0.0	4.8	45.3	0.0	0.0	0.0	0.0	1.0	9.3	4.8	45.3

