SUMMARY OF SURFACE WATER DATA

TABLE A-1
SUMMARY OF SURFACE WATER DATA
FIELD MEASUREMENTS AND PHYSICAL PARAMETERS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Flow (cfs)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)	Oil Grease (mg/L)
IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
CROW CREEK														
SW-CC-50	7/29/2003	0.82	20.2	8.44	--	437	356	153	12.25	3.4	--	252	7	--
SW-CC-50	5/19/2004	1.57	13.54	6.88	8.39	457	e% 432	144	9.79	U 185	H 1.42	283	e <5	--
SW-CC-50	8/24/2004	0.91	13.7	8.38	8.36	449	451	158	5.1	2.99	H 1.55	H 241	H <5	--
SW-CC-100	8/15/2003	1.84	15.8	8.36	8.39	324	416	-39	6.91	1	0.424	226	5	--
SW-CC-100	10/29/2003	10.8	6	8.3	8.3	264	436	63	10.3	--	0.881	222	6	--
SW-CC-100	5/19/2004	10.025	14.78	6.99	8.44	424	e% 408	153	10.49	U 168	H 1.22	268	e <5	--
SW-CC-100	8/24/2004	2.1	11.6	8.31	8.37	440	440	154	9.01	1	H 0.479	H 230	H <5	--
SW-CC-300	5/20/2003	29.33	15	8.51	8.7	453	527	84	9.1	0	qe% 3.2	288	e 7	--
SW-CC-300	7/29/2003	8.51	12.6	8.38	--	625	486	171	10.8	0.77	--	352	<5	--
SW-CC-300	8/12/2003	10.37	19.17	8.41	8.59	532	570	128	10.08	--	Hqe% 1.27	e% 292	<5	--
SW-CC-300	5/19/2004	16.81	8.85	6.55	8.31	529	e% 496	205	11.25	U 91	H 0.971	293	e 5	--
SW-CC-300	8/24/2004	12.1	13.6	8.58	8.45	653	651	153	10.45	1.74	H 0.391	H 335	H <5	--
SW-CC-800	5/20/2003	54.23	15.5	8.59	8.9	516	590	125	11.5	6.4	qe% 3.4	333	e 9	--
SW-CC-800	8/15/2003	24.59	21.4	8.71	8.67	443	560	58	7.8	1	0.974	308	5	--
SW-CC-800	5/19/2004	28.93	9	6.28	8.38	650	e% 370	201	10.75	U 3.8	H 2.09	372	e <5	--
SW-CC-800	8/24/2004	30.4	15	8.81	1.36	638	32700	188	5.1	1.64	H 0.216	H 350	H 20	--
SP-UTCC-50	7/29/2003	0.065	14.7	7.95	--	379	286	174	7.43	0.79	--	233	<5	--
SP-RIEDE	7/30/2003	No Flow	11.3	7.92	--	424	353	92	8.8	--	--	237	<5	--
SP-BOOKS	6/5/2003	--	--	--	7.6	--	498	--	--	--	1.1	264	11	--
SP-BOOKS	7/30/2003	1.74	14.5	7.88	--	441	392	105	8.9	1.31	--	218	<5	--
SP-BOOKS	8/14/2003	2.91	13.85	7.73	8.35	400	430	-5	11.51	--	Hqe% 0.596	He% 207	<5	--
SP-BOOKS	5/19/2004	2.36	12.4	6.7	8.07	465	e% 445	130	11.03	U 182	H 0.212	261	e <5	--
SP-BOOKS	8/24/2004	1.95	12.2	8.11	8.2	463	460	195	8.48	0.5	H 0.352	H 232	H <5	--
SP-CC-500	7/30/2003	0.003	14	8.13	--	629	536	93	8.24	2.46	--	392	7	--

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FIELD MEASUREMENTS AND PHYSICAL PARAMETERS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Flow (cfs)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)	Oil Grease (mg/L)
IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
SP-QH-800	10/30/2003	0.0038	1.89	8.24	8.16	270	392	12	10.1	--	Hq 0.746	258	62	--
SOUTH FORK SAGE CREEK														
SW-SFSC-200	5/20/2003	2.6	2.2	6.69	7.5	71	64	--	8.8	3.7	qe% 2.4	49	e 6	--
SW-SFSC-200	8/12/2003	0.0067	11.3	8.2	8.23	286	359	3	7	0	0.142	H 178	<5	--
SW-SFSC-500	5/20/2002	3.78	8	7.7	8.3	140	214	--	10.4	3	1.4	125	8	--
SW-SFSC-500	8/12/2003	0.0089	11.4	8.42	8.41	281	348	-39	6.43	0	H 0.184	H 144	<5	--
SW-SFSC-800	8/12/2003	5.78	11.5	7.54	7.88	311	400	10	6.57	0	H 0.386	H 198	<5	<25
SW-SFSC-800	5/18/2004	5	11.65	6.55	8.29	362	408	83	6.8	U 677	H 0.512	221	<5	--
SP-UTSFSC-100	5/21/2002	0.01	2	8.3	8.4	320	394	--	9.8	4	0.13	228	8	--
SP-UTSFSC-100	8/6/2002	0.001	14	7.7	8.5	290	397	--	7	0	0.8	220	e% 7	--
SP-UTSFSC-100	5/20/2003	0.02	2.7	8.1	8.3	340	434	119	10.4	0.6	qe% 0.4	238	e <4	--
SP-UTSFSC-100	8/12/2003	0.006	13.25	7.7	8.04	352	426	157	6.9	--	Hqe% 33	e% 209	70	--
SP-SFSC-100	10/28/2003	0.01	4	7.7	8.04	168	299	10	5.5	--	He% 0.737	152	e% <5	--
SP-UTSFSC-200	9/23/2002	0.002	4	7.3	7.7	220	358	180	8.3	7.9	29	231	36	--
SP-UTSFSC-200	5/20/2003	0.02	3.4	7.36	7.9	376	445	97	10.1	3.6	qe% 2	252	e 19	--
SP-UTSFSC-200	8/12/2003	0.012	10.63	7.63	8.08	382	454	174	8.14	--	Hqe% 2.88	e% 223	13	--
SP-UTSFSC-200	10/29/2003	0.0014	6	7.9	8.09	300	490	--	7.6	1	0.572	237	<5	--
SP-SFSC-750	7/28/2003	3.88	11.4	7.4	--	370	281	187	6.4	0.7	--	221	<5	--
SP-SFSC-750	8/12/2003	4.39	11.4	7.49	7.83	297	394	33	5.85	0	H 0.182	H 198	<5	--
SP-HOOPES	7/28/2003	4.508	11.8	7.36	--	447	333	178	5.53	0.16	--	276	<5	--
SP-UTSC-850	5/18/2004	0.0007	14.09	6.62	8.05	410	461	58	5.87	U 27.4	H 2.26	245	7	--
MANNING CREEK														
SP-MC-300	5/21/2002	0.16	4	8	8.2	310	417	--	9.9	1	2.3	243	8	--
SP-MC-300	5/20/2003	0.01	5.9	7.58	7.9	337	398	117	9.3	1.5	qe% 0.93	216	e 4	--
SP-MC-300	8/25/2004	0.006	6.1	7.8	8.25	386	416	209	8.34	87.6	H 6.58	H 212	H 235	--

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Flow (cfs)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)	Oil Grease (mg/L)
IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
DEER CREEK														
SW-DC-200	5/18/2003	1.16	7	8.66	8.2	184	257	62	11.8	9	e% 1.3	154	e% 4	--
SW-DC-200	8/14/2003	0.028	7.95	7.65	8.1	296	368	137	8.67	--	Hqe% 0.168	e% 195	<5	--
SW-DC-200	5/20/2004	0.394	5.09	6.55	8.24	307	e% 291	118	10.68	U 123	0.476	156	e <5	--
SW-DC-200	8/25/2004	0.04	9.12	8.2	8.27	361	357	172	5.64	4.6	H 0.737	170	<5	--
SW-DC-300	5/22/2002	1.49	--	--	8.6	--	305	--	--	--	2.5	182	6	--
SW-DC-300	5/19/2003	7.23	4.2	8.61	8.5	231	290	78	12.5	6.4	e% 2	167	e% 13	--
SW-DC-400	5/22/2002	5.94	--	--	8.3	--	292	--	--	--	2	132	7	--
SW-DC-400	5/19/2003	7.22	7.9	8.31	8.4	224	275	115	10.7	3.8	e% 1.7	189	e% 6	--
SW-DC-400	5/17/2004	2.677	8	6.51	8.36	298	327	166	6.65	U 166	H 0.504	162	<5	--
SW-DC-500	5/23/2002	6.28	--	--	8.4	--	315	--	--	--	0.9	153	4	--
SW-DC-500	8/7/2002	--	--	--	8.6	--	372	--	--	--	2.9	213	e% 5	--
SW-DC-500	5/19/2003	9.26	8.8	9.3	8.5	224	300	--	11.8	--	e% 1.6	185	e% 6	6
SW-DC-500	8/13/2003	0.35	18.9	8.32	8.5	305	382	105	6.67	8	H 8.87	H 164	19	--
SW-DC-500	10/28/2003	0.15	9	8.3	8.41	290	394	--	8.4	3	He% 0.671	208	e% <5	--
SW-DC-500	5/17/2004	3.79	7.48	6.49	8.43	321	354	212	7.01	U 57.1	H 2.8	239	<5	--
SW-DC-500	8/26/2004	0.49	9.1	8.46	8.41	376	393	167	8.3	4.6	H 1.04	217	12	--
SW-DC-800	5/19/2003	9.67	12.2	8.5	8.6	273	326	85	9.4	5.1	e% 1	209	e% 17	--
SW-DC-800	7/29/2003	2.76	12.6	8.15	--	378	306	178	10.7	1.13	--	194	<5	--
SW-DC-800	8/12/2003	1.68	17.52	8.51	8.57	270	376	112	9.32	--	Hqe% 0.339	e% 214	<5	--
SW-DC-800	10/30/2003	1.52	2.36	8.3	8.34	234	456	58	12.4	--	Hq 25.7	170	6	--
SW-DC-800	5/19/2004	5.397	8.12	6.56	8.32	373	e% 349	172	10.3	U 250	H 0.411	205	e <5	--
SW-DC-800	8/24/2004	1.89	11.8	8.71	8.41	380	384	182	9.1	1.77	H 0.401	H 166	H <5	--
SP-DC-100	10/29/2003	0.0044	5	7.7	7.94	240	336	--	5.3	--	0.189	188	<5	--
SP-DC-350	8/8/2002	0.01	--	--	8.6	--	294	--	--	--	0.21	178	e% <5	--

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IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
SP-DC-350	5/19/2003	0.61	4.7	7.62	7.9	113	159	102	10.7	2	e% 1.9	101	e% 1	--
SP-DC-350	8/13/2003	0.038	5.35	7.26	7.95	238	305	196	11.6	--	Hqe% 0.15	e% 159	<5	--
SP-DC-350	5/17/2004	0.243	5.43	6.2	8	203	229	154	6	U 218	H 0.891	132	<5	--
SP-DC-350	8/25/2004	0.013	6.5	8.04	8.26	280	300	219	9.91	6.46	H 0.734	186	21	--
SP-UTDC-700	5/19/2003	0.003	--	--	7.7	--	138	--	--	--	e% 0.43	114	e% 5	--
SP-UTDC-700	8/14/2003	No Flow	15.7	6.56	7.97	183	221	-153	5.24	1	Hqe% 51.4	e% 131	156	--
SP-UTDC-700	10/28/2003	0.002	--	7.1	7.46	109	232	12	4.7	--	He% 86.1	134	e% 109	--
SP-UTDC-700	5/17/2004	0.0036	4.65	6.28	8.2	376	392	168	8.57	U 228	H 8.21	218	20	--
SP-UTDC-700	8/26/2004	0.0015	6.1	8.45	8.23	460	464	221	7.8	79.8	H 0.376	250	38	--
SP-UTDC-800	9/25/2002	0.001	--	--	7.4	--	382	--	--	--	22	285	54	--
SP-UTDC-800	5/19/2003	0.003	2.9	7.46	7.7	189	257	118	13.1	1.3	e% 1.1	153	e% <1	--
SP-UTDC-800	8/13/2003	0.0001	5.47	7.31	7.89	392	377	176	9.7	--	Hqe% 0.432	e% 259	<5	--
SP-UTDC-800	10/28/2003	0.0014	7	7.5	8.01	296	488	16	6.7	--	He% 20.6	270	e% 61	--
SP-UTDC-800	5/17/2004	0.0044	9.74	6.51	7.88	176	179	120	7.32	U 334	H 21.6	88	76	--
NORTH FORK DEER CREEK														
SW-NFDC-200	5/19/2003	0.33	6.9	9.59	8.3	241	347	52	12.2	0	e% 0.86	213	e% 3	--
SW-NFDC-500	5/22/2002	1.49	3	8.5	8.4	280	365	--	8.2	0	0.5	174	<4	--
SW-NFDC-500	8/7/2002	0.55	12	7.5	8.7	260	360	34	7.9	3	2.9	203	e% 5	--
SW-NFDC-500	5/19/2003	2.36	6.2	9.23	8.4	258	357	43	13	11	e% 1.2	226	e% 8	--
SW-NFDC-500	8/13/2003	0.34	11.9	8.04	8.15	296	379	68	6.99	2	H 0.804	H 187	6	--
SW-NFDC-500	10/28/2003	0.148	7	7.8	8.13	280	386	--	7.8	3	He% 1.22	206	e% 9	--
SW-NFDC-900	6/18/2002	1.47	--	--	8.5	--	337	--	--	--	2.8	209	8	--
SW-NFDC-900	8/7/2002	0.43	12	7.8	8.6	270	368	118	8.3	1	3.3	218	e% 10	--
SW-NFDC-900	5/19/2003	2.53	4.1	9.14	8.4	264	361	8	14.6	11	e% 3.1	217	e% 26	--
SW-NFDC-900	8/13/2003	0.43	17.4	8.31	8.47	303	387	127	7.43	5	H 1.69	H 206	<5	--

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Site	Sample Date	Flow (cfs)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)	Oil Grease (mg/L)
IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
SW-NFDC-900	10/28/2003	0.28	9	8.2	8.29	290	414	--	8.1	3	He% 0.457	216	e% <5	--
SW-UTNFDC-510	9/24/2002	0.001	--	--	8.5	--	377	--	--	--	2.9	192	6	--
SW-UTNFDC-510	5/19/2003	0.16	5.1	9.54	8.5	302	421	67	12.3	0	e% 0.6	233	e% 6	--
SW-UTNFDC-510	8/13/2003	0.011	10.2	8.13	8.29	304	438	-9	7.48	5	H 1.63	H 223	10	--
SW-UTNFDC-700	9/23/2002	0.05	8	7.6	7.4	230	251	202	8.4	6	26	121	5	--
SW-UTNFDC-700	5/19/2003	0.12	5.4	9.51	8.5	237	332	58	13.1	12	e% 1.3	207	e% 10	--
SW-UTNFDC-700	8/13/2003	0.12	7.7	8.33	8.33	273	345	10	10.2	1	H 0.238	H 168	<5	--
SW-UTNFDC-700	10/28/2003	0.049	5	7.7	--	250	--	--	8.4	3	--	--	--	--
SW-UTNFDC-800	9/23/2002	0.009	13	8	8.4	260	342	205	7.1	9	0.56	196	3	--
SW-UTNFDC-900	9/23/2002	0.011	9	8.3	8.4	210	226	194	4.8	1	1.2	159	4	--
SW-UTNFDC-950	9/23/2002	0.009	10	7.5	8.2	390	304	198	7.1	10	3.3	179	69	--
SP-NFDC-50	10/29/2003	0.0012	5	7.7	7.91	310	434	--	5.8	--	0.357	239	<5	--
SP-NFDC-700	6/18/2002	0.11	--	--	7.8	--	404	--	--	--	<0.2	264	<4	--
SP-NFDC-700	8/7/2002	0.25	15	7.8	8.6	270	442	69	7.5	1	0.18	239	e% <5	--
SP-NFDC-700	5/19/2003	0.2	5.8	8.45	7.8	285	411	27	9	0	e% 0.33	258	e% 1	--
SP-NFDC-700	8/13/2003	0.024	8.5	7.43	7.76	353	435	30	4.3	1	H 0.139	H 222	<5	--
SP-UTNFDC-400	5/21/2002	0.004	2	8.3	8.2	110	153	--	8.6	5	44	109	52	--
SP-UTNFDC-400	5/20/2003	0.02	4.7	8.47	8	124	165	--	10.1	0	qe% 4.2	103	e 10	--
SP-UTNFDC-510	9/24/2002	--	8	7.8	--	250	--	198	7.9	6	--	--	--	--
SP-UTNFDC-520	9/24/2002	0.003	10	7	7.1	280	364	237	3.7	2	1.6	JH 205	63	--
SP-UTNFDC-520	5/19/2003	0.04	5.5	8.65	7.9	282	436	120	11.7	0	e% 0.66	243	e% 3	--
SP-UTNFDC-520	8/13/2003	0.0045	6	7.45	7.73	327	408	3	6.07	0	H 0.487	H 204	<5	--
SP-UTNFDC-540	8/13/2003	0.0011	--	--	7.92	--	498	--	--	--	H 2.47	H 257	13	--
SP-UTNFDC-540	10/28/2003	0.0004	11	8.3	8.34	250	471	--	6.9	4	He% 2.54	246	e% 18	--
SP-UTNFDC-540	5/17/2004	0.0405	6.56	6.37	8.41	416	463	214	7	U 103	H 0.606	177	<5	--

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IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
SP-UTNFDC-600	8/6/2002	0.001	23	7.9	8.4	310	404	85	5.5	5	12	261	e% 32	--
SP-UTNFDC-600	5/20/2003	0.01	5.2	8.81	8.1	268	382	--	10.6	0	qe% 0.83	221	e 6	--
SP-UTNFDC-600	8/14/2003	0.0022	15.4	7.92	8.06	347	434	-59	6.86	2	Hqe% 2.55	e% 232	11	--
SP-UTNFDC-600	10/29/2003	0.0003	7	7.5	8.19	346	573	68	7.4	--	0.755	308	5	--
SP-UTNFDC-600	5/18/2004	0.0144	8.55	6.51	8.18	367	410	90	7.1	U 86	H 4.95	235	11	--
SP-UTNFDC-600	8/25/2004	0.0125	10.7	7.78	8.38	438	494	170	6.55	7.34	H 0.385	H 244	H 21	--
SOUTH FORK DEER CREEK														
SW-SFDC-200	5/18/2003	3.5	6.7	8.62	8.1	194	268	64	11.6	13	e% 6.9	175	e% 21	--
SW-SFDC-200	8/13/2003	0.129	18.7	8.08	8.25	218	276	124	7.61	--	Hqe% 0.802	e% 137	<5	--
SW-SFDC-200	10/28/2003	0.064	7	8.1	8.2	198	341	30	7.9	--	He% 1.71	177	e% <5	--
SW-SFDC-300	5/22/2002	0.21	--	--	8.3	--	284	--	--	--	2.3	138	<4	--
SW-SFDC-300	5/18/2003	0.08	6	8.45	8.2	197	278	68	12.3	5	e% 0.65	168	e% 2	--
SW-SFDC-800	5/23/2002	0.1	6	8.4	8.2	120	158	--	9.9	0	0.4	77	<4	--
SW-SFDC-800	5/19/2003	0.5	5.9	7.99	8.1	89	132	110	10.8	2.2	e% 1.8	97	e% 4	--
SW-SFDC-800	5/17/2004	0.0004	6.15	6.18	8.08	181	200	140	5.86	U 155	H 0.82	100	<5	--
SW-UTSFDC-900	5/19/2003	0.35	5.6	7.86	8.1	78	124	101	10.9	2.8	e% 2.4	87	e% <1	--
SP-UTSFDC-500	5/22/2002	0.002	3	8.2	7.8	100	136	--	9.6	0	1.5	54	<4	--
SP-UTSFDC-600	10/29/2003	No Flow	5	7.8	7.91	310	439	--	2.8	--	0.523	220	<5	--
WELLS CANYON														
SW-WC-800	5/18/2003	0.11	8.8	9.35	8.6	257	359	65	12.7	2	e% 2.5	218	e% 18	--
SW-WC-800	8/12/2003	0.22	15.7	8.36	8.41	308	377	107	8.46	--	Hqe% 8.98	e% 188	16	--
SW-WC-800	10/28/2003	0.18	8	8.2	8.26	280	397	--	7.8	3	He% 2.47	211	e% 5	--
SW-WC-800	5/19/2004	0.194	14.95	6.99	8.49	358	e% 340	125	9.13	U 155	H 0.96	227	e 23	--
SW-WC-800	8/24/2004	0.142	11.3	8.73	8.39	361	364	155	8.6	3.35	H 0.411	H 180	H <5	--
SP-UTWC-300	5/23/2002	0.46	12	6.9	7.4	300	36	--	5.7	5	2.5	22	<6	--

TABLE A-1
SUMMARY OF SURFACE WATER DATA
FIELD MEASUREMENTS AND PHYSICAL PARAMETERS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Flow (cfs)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)	Oil Grease (mg/L)
IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
SP-UTWC-300	5/18/2003	0.005	10.2	7	6.9	26	35	60	7.5	4	e% 7	J 70	e% 4	--
SP-WC-400	5/20/2002	1.82	9	7.9	8.3	210	287	--	9.2	1	4.9	162	12	--
SP-WC-400	8/8/2002	0.002	12	7.9	8.6	260	363	95	6.4	1	11	207	e% 30	--
SP-WC-400	5/18/2003	0.17	5	7.95	7.4	212	289	81	9.1	0	e% 1.6	184	e% 4	--
SP-WC-400	8/13/2003	0.088	15	7.93	8.02	298	368	113	6.6	--	Hqe% 15.8	e% 200	31	--
SP-WC-400	10/28/2003	0.015	7	7.9	8.11	223	377	25	7	--	He% 4.53	207	e% 20	--
SP-WC-400	5/17/2004	0.022	8.94	6.39	8.25	301	340	162	6.32	U 160	H 3.31	175	<5	--
SP-WC-400	8/25/2004	0.013	9.6	7.8	8.33	339	353	170	8.2	4.39	H 3.76	196	122	--
SP-WC-750	6/5/2003	--	--	--	7.7	--	375	--	--	--	<0.2	210	<5	--
SP-WC-750	7/29/2003	0.126	10	7.74	--	365	304	160	7.92	0.33	--	207	<5	--
SP-WC-750	8/14/2003	0.027	8	7.35	7.74	283	356	-29	6.37	6	Hqe% 0.181	e% 175	<5	--
DIAMOND CREEK														
SW-DMC-200	5/18/2003	0.52	4.8	8.08	7.8	84	113	55	19.6	52	e% 12	100	e% 11	--
SW-DMC-200	8/14/2003	0.009	8.9	7.9	8.2	227	287	136	9.71	--	Hqe% 0.264	e% 183	<5	--
STEWART CANYON														
SW-ST-500	8/15/2003	0.093	11.6	8.24	8.35	267	336	-23	5.94	3	0.257	162	5	--
SW-ST-500	5/18/2004	0.32	10.59	6.75	8.35	240	271	54	6.7	U 302	H 2.87	142	<5	--
SW-ST-500	8/26/2004	0.15	8.5	7.4	8.37	330	333	179	9.68	5.26	H 0.431	170	10	--
SW-ST-700	8/26/2004	2.7	12.8	8.37	8.41	287	288	170	16.4	1.24	H 0.424	190	<5	--
SP-ST-100	8/15/2003	0.999	7.3	7.41	7.87	278	363	-44	5.86	3	0.117	182	5	--
SP-ST-100	5/18/2004	3.81	7.18	6.35	7.88	330	371	143	6.47	U 159	H 0.351	223	<5	--
SP-ST-100	8/26/2004	4.2	6.9	7.88	8.27	347	349	200	8.64	0.24	H 0.203	170	<5	--
SP-ST-200	8/15/2003	0.033	6.8	7.35	7.86	282	358	-13	6.52	10	0.103	184	5	--
SP-ST-200	5/18/2004	0.051	6.45	6.32	8.09	337	379	127	6.6	U 165	H 0.426	208	<5	--
SP-ST-200	8/26/2004	0.05	7.6	8.37	8.3	347	351	206	13.28	0.77	H 0.193	183	<5	--

TABLE A-1
SUMMARY OF SURFACE WATER DATA
FIELD MEASUREMENTS AND PHYSICAL PARAMETERS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Flow (cfs)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)	Oil Grease (mg/L)
IDAHO DEQ Standards**			**22**	**6.5 - 9.0**	**6.5 - 9.0**	**NE**	**NE**	**NE**	**6.0**	**50**	**50**	**NE**	**NE**	**NE**
LAMB CANYON														
SW-LC-500	8/15/2003	0.45	8.4	8.35	8.35	311	393	-8	6.98	4	2.68	221	10	--
CLEAR CREEK														
SW-CL-800	7/29/2003	0.279	14.3	8.25	--	411	320	150	10.45	0.69	--	232	<5	--
WHITE DUGWAY CREEK														
SW-WD-800	7/29/2003	0.182	25.2	8.8	--	1075	835	127	11.5	2.13	--	610	<5	--
WARM CREEK														
SW-WM-800	7/30/2003	0.26	23.5	8.2	--	546	455	91	11.21	2.93	--	320	<5	--

Notes:

<	Indicates analyte not detected above laboratory practical quantification limit (PQL)
--	Field data or laboratory samples were not collected or analyzed
(mg/L)	Milligrams per liter
C	Degrees centigrade
cfs	Cubic feet per second
(umhos/cm)	Micromhos per centimeter
ORP	Oxygen reduction potential
(mV)	Millivolts
DO	Dissolved oxygen
(NTU)	Nephelometric Turbidity Unit
J	Estimated value (Northern Analytical)
e	Field duplicate results exceed acceptable limits - PQL based determination.
e%	Field duplicate results exceed acceptable limits - relative percent difference determinat
H	Sample analyzed out of holding time.
q	Associated values are estimates - field blank showed evidence of contamination.
NE	Not Established
U	Field observations indicate low turbidity (clear) water
**	The surface water standards are from IDAPA 58.01.02.250.
	Shading indicates results above Idaho DEQ Standards.

The SP-UTDC-700 sample collected on 8/14/03 was from a pond with increased turbidity during sample collection due to disturbance of bottom sediment.
Sample SW-CC-800 collected on 8/24/04 was received by laboratory improperly preserved for non-metals analysis.
Sample SP-MC-300 collected on 8/8/25/04 exhibited increased turbidity during sample collection due to disturbance of bottom sediment.

TABLE A-2
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR MAJOR IONS AND NUTRIENTS
PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
CROW CREEK																				
SW-CC-50	N	7/29/2003	--	222	--	236	--	N 67.2	7.3	0.149	79.7	15.3	--	--	--	--	--	1.03	11.8	19
SW-CC-50	N	5/19/2004	--	228	e 7.5	236	--	65.2	6.18	0.148	219	13.7	--	--	--	--	--	0.662	11	24.2
SW-CC-50	N	8/24/2004	--	231	--	240	--	64.4	e 7.83	0.169	222	14.8	--	--	--	--	--	1.07	11.2	22.4
SW-CC-100	N	8/15/2003	--	189	9.38	199	0.01	54.1	10.9	0.198	197	15	0.03	--	--	0.03	0.05	B 0.84	11	11.5
SW-CC-100	N	10/29/2003	--	199	<1	199	<0.01	60.2	13.2	0.16	211	14.8	<0.02	--	--	<0.01	e 0.02	e% 1.11	10.8	12.1
SW-CC-100	D	10/29/2003	--	198	1.26	200	<0.01	55.4	13.4	0.165	200	15	<0.02	--	--	<0.01	0.04	B 0.907	11	12.1
SW-CC-100	N	5/19/2004	--	200	e 7.58	208	--	55.6	14.4	0.199	201	15.1	--	--	--	--	--	0.542	13.2	15.3
SW-CC-100	N	8/24/2004	--	211	--	219	--	55.8	e 18.2	0.224	205	15.9	--	--	--	--	--	0.744	13.7	15.1
SW-CC-300	N	5/20/2003	<2	qe% 258	--	qe% 212	<0.05	59	47	0.11	e% 213	e% 16	<0.05	<0.05	<0.05	0.03	q 0.06	<1	32	e 16
SW-CC-300	N	7/29/2003	--	226	--	233	--	N 63.3	64.3	0.194	232	17.9	--	--	--	--	--	B 0.771	51.6	16.2
SW-CC-300	N	8/12/2003	--	180	17.38	197.5	0.01	q 53	67.4	0.25	q 200	q 16.4	<0.02	--	--	H <0.01	e% <0.01	B 0.817	q 49.4	17.4
SW-CC-300	N	5/19/2004	--	203	e 3.74	207	--	55.9	43.3	0.208	203	15.3	--	--	--	--	--	0.562	30.1	17.1
SW-CC-300	N	8/24/2004	--	225	--	237	--	58.2	e 73.6	0.229	213	16.5	--	--	--	--	--	0.91	52.7	18.8
SW-CC-800	N	5/20/2003	<2	qe% 210	9	qe% 188	<0.05	59	58	0.18	e% 217	e% 17	<0.05	<0.05	<0.05	0.02	q 0.04	<1	42	e 32
SW-CC-800	N	8/15/2003	--	146	19.2	168	0.01	44.5	56.3	0.255	185	17.8	0.02	--	--	0.01	0.01	1.21	42	39
SW-CC-800	N	5/19/2004	--	204	e 6.98	211	--	59	70.6	0.263	220	17.7	--	--	--	--	--	0.657	45.5	35.9
SW-CC-800	D	5/19/2004	--	208	4.52	212	--	58.9	71.3	0.265	220	17.7	--	--	--	--	--	0.698	45.6	34.5
SW-CC-800	N	8/24/2004	--	<1	--	<1	--	51.1	e 73.8	0.101	205	18.8	--	--	--	--	--	1.21	51.7	42
SP-UTCC-50	N	7/29/2003	--	193	--	193	--	N 38.7	2.89	0.119	143	11.2	--	--	--	--	--	1.05	30.8	20.9
SP-RIEDE	N	7/30/2003	--	194	--	194	--	N 62.4	13.4	0.24	206	12.2	--	--	--	--	--	1.56	14.9	8.38
SP-BOOKS	N	6/5/2003	<2	301	--	235	<0.05	58	30	0.24	211	16	<0.05	<0.05	<0.05	0.04	0.08	<1	19	<5
SP-BOOKS	N	7/30/2003	--	191	--	191	--	N 49.8	31	0.342	191	16.3	--	--	--	--	--	B 0.692	23.7	8.55
SP-BOOKS	N	8/14/2003	--	168	4.3	172	<0.01	q 49.4	32.9	0.32	q 190	q 16.2	<0.02	--	--	H <0.01	e% <0.01	0.786	q 23.9	7.93
SP-BOOKS	N	5/19/2004	--	200	e <1	200	--	50.2	33	0.353	192	16.3	--	--	--	--	--	0.639	23	8.62
SP-BOOKS	N	8/24/2004	--	205	--	205	--	47.8	e 34.6	0.334	186	16.2	--	--	--	--	--	0.662	22.2	9.02
SP-BOOKS	D	8/24/2004	--	202	--	202	--	48.7	34.3	0.358	189	16.5	--	--	--	--	--	0.689	22.4	9

TABLE A-2
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR MAJOR IONS AND NUTRIENTS
PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
SP-CC-500	N	7/30/2003	--	253	--	253	--	N 77.1	13.7	0.302	291	23.9	--	--	--	--	--	1.55	31.9	99
SP-QH-800	N	10/30/2003	--	226	<1	226	<0.01	q 62.5	5.43	0.167	237	19.6	<0.02	--	--	H 0.06	0.18	q 2.78	q 7.45	12.8
SOUTH FORK SAGE CREEK																				
SW-SFSC-200	N	5/20/2003	<2	qe% 48	--	qe% 39	<0.05	9	<2	<0.1	e% 31	e% 2	0.1	0.1	<0.05	0.04	q 0.05	<1	<1	e <5
SW-SFSC-200	N	8/12/2003	--	197	<1	197	0.03	51.7	0.916	0.112	192	15.2	0.11	--	--	H 0.01	0.02	B 0.607	2.91	7.96
SW-SFSC-500	N	5/20/2002	<2	128	--	105	<0.05	31	<4	0.07	110	8	0.09	0.09	<0.05	0.02	0.04	<1	2	8
SW-SFSC-500	N	8/12/2003	--	179	9.04	188	0.08	50.7	0.909	0.118	188	14.9	0.04	--	--	H 0.02	0.03	B 0.771	3.29	10.4
SW-SFSC-800	N	8/12/2003	--	208	<1	208	0.02	50.6	4.43	0.304	208	19.8	0.13	--	--	H <0.01	<0.01	B 0.852	4.7	13
SW-SFSC-800	N	5/18/2004	--	205	2.64	207	--	48	4.05	0.33	198	18.9	--	--	--	--	--	0.535	4.45	12.4
SP-UTSFSC-100	N	5/21/2002	<2	248	--	203	<0.05	62	<2	0.12	118	19	0.06	0.06	<0.05	0.03	0.04	<1	3	13
SP-UTSFSC-100	N	8/6/2002	<2	264	--	216	<0.05	69	e% <4	0.11	234	15	0.12	0.12	<0.05	0.05	0.1	<1	3	13
SP-UTSFSC-100	N	5/20/2003	<2	qe% 272	--	qe% 223	<0.05	68	<2	0.13	e% 240	e% 17	0.05	0.05	<0.05	0.04	q 0.05	<1	2	e 11
SP-UTSFSC-100	N	8/12/2003	--	236	<1	236	0.03	q 68.4	1.81	0.138	q 236	q 15.9	0.04	--	--	H 0.08	e% 0.18	2.08	q 2.97	10.2
SP-SFSC-100	N	10/28/2003	--	151	<1	151	0.02	41.4	0.916	0.102	152	11.7	0.16	--	--	H <0.01	e% 0.02	B 0.547	3.45	6.17
SP-UTSFSC-200	N	9/23/2002	<2	248	--	203	0.12	70	<4	0.13	257	20	<0.05	<0.05	<0.05	0.01	0.21	<1	5	18
SP-UTSFSC-200	N	5/20/2003	<2	qe% 344	--	qe% 282	<0.05	69	<2	0.12	e% 259	e% 21	<0.05	<0.05	<0.05	0.01	q 0.03	<1	3	e 13
SP-UTSFSC-200	D	5/20/2003	<2	229	--	188	<0.05	63	<2	0.1	211	13	<0.05	<0.05	<0.05	0.02	0.03	<1	3	24
SP-UTSFSC-200	N	8/12/2003	--	249	<1	249	0.02	q 67.5	0.717	0.149	q 250	q 19.9	<0.02	--	--	H <0.01	e% <0.01	B 0.839	q 3.7	13.7
SP-UTSFSC-200	N	10/29/2003	--	242	<1	242	<0.01	65.6	0.737	0.136	243	19.2	<0.02	--	--	H <0.01	e <0.01	Be% 0.87	3.53	13.8
SP-SFSC-750	N	7/28/2003	--	208	--	208	--	N 52.6	4.18	0.314	216	20.6	--	--	--	--	--	B 0.79	4.84	11.8
SP-SFSC-750	N	8/12/2003	--	202	<1	202	0.08	47.3	3.66	0.283	193	18.1	0.14	--	--	H 0.01	0.01	B 0.754	3.96	12.3
SP-SFSC-750	N	9/28/2004	--	220	<1	220	--	49.8	4.58	0.324	207	20	--	--	--	--	--	0.639	4.62	13.6
SP-HOOPES	N	7/28/2003	--	205	--	205	--	N 61.1	7.37	0.402	246	22.8	--	--	--	--	--	B 0.796	7.87	44.8
SP-UTSC-850	N	5/18/2004	--	234	<1	234	--	63.6	2.63	0.257	231	17.5	--	--	--	--	--	0.384	5.39	16.2
SP-UTSC-850	N	9/28/2004	--	203	<1	203	--	46.2	4.7	0.245	181	16	--	--	--	--	--	1.41	5.91	6.02
MANNING CREEK																				
SP-MC-300	N	5/21/2002	<2	261	--	214	0.06	65	<2	0.11	245	20	<0.05	<0.05	<0.05	<0.01	0.02	<1	3	11

TABLE A-2
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR MAJOR IONS AND NUTRIENTS
PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
SP-MC-300	N	5/20/2003	<2	qe% 287	--	qe% 235	<0.05	65	<2	<0.1	e% 228	e% 16	0.06	0.06	<0.05	0.01	q 0.02	<1	3	e 8
SP-MC-300	N	8/25/2004	--	244	--	244	--	89.6	e 1.17	0.147	331	26.1	--	--	--	--	--	8.08	3.16	10.7
DEER CREEK																				
SW-DC-200	N	5/18/2003	<2	186	--	153	e% <0.05	44	2	0.11	147	9	<0.05	<0.05	<0.05	e% 0.1	e% 0.1	<1	2	8
SW-DC-200	N	8/14/2003	--	194	<1	194	<0.1	q 57	0.438	0.153	q 196	q 12.9	<0.02	--	--	H 0.06	e% 0.1	0.636	q 2.78	10.7
SW-DC-200	N	5/20/2004	--	162	e <1	162	--	43.8	0.446	0.159	151	9.99	--	--	--	--	--	0.378	2.14	8.53
SW-DC-200	N	8/25/2004	--	200	--	200	--	53.6	e 0.606	0.179	187	12.8	--	--	--	--	--	0.581	2.49	11.1
SW-DC-300	N	5/22/2002	<2	193	--	158	<0.05	56	<2	0.13	189	12	<0.05	<0.05	<0.05	0.03	**B 0.03	<1	2	8
SW-DC-300	N	5/19/2003	<2	229	--	188	e% <0.05	52	1	<0.1	167	9	<0.05	<0.05	<0.05	e% 0.04	e% 0.07	<1	2	8
SW-DC-400	N	5/22/2002	<2	178	--	146	<0.05	52	<4	0.1	175	11	<0.05	<0.05	<0.05	e 0.06	0.07	<1	2	12
SW-DC-400	N	5/19/2003	<2	158	--	129	e% <0.05	50	1	<0.1	162	9	<0.05	<0.05	<0.05	e% 0.06	e% 0.08	<1	2	8
SW-DC-400	N	5/17/2004	--	164	4.6	169	--	47.7	0.461	0.13	154	8.4	--	--	--	--	--	B 0.26	2.09	7.66
SW-DC-500	N	5/23/2002	<2	198	--	162	<0.05	58	<2	0.1	202	14	<0.05	<0.05	<0.05	e 0.03	0.06	<1	3	10
SW-DC-500	D	5/23/2002	<2	198	--	162	<0.05	59	<2	0.1	205	14	<0.05	<0.05	<0.05	0.05	0.06	<1	3	11
SW-DC-500	N	8/7/2002	<2	239	--	196	0.15	61	e% 2	0.13	222	17	0.07	0.07	<0.05	0.03	0.07	<1	3	14
SW-DC-500	N	5/19/2003	<2	229	--	188	e% 0.18	53	1	<0.1	174	10	<0.05	<0.05	<0.05	e% 0.06	e% 0.07	<1	2	10
SW-DC-500	N	8/13/2003	--	199	12.4	212	0.02	58.1	1	0.149	--	16.6	<0.02	--	--	H 0.03	0.05	B 0.852	3.29	10.8
SW-DC-500	N	10/28/2003	--	201	7.4	208	<0.01	58.3	1.15	0.144	215	16.8	<0.02	--	--	<0.01	e% 0.02	B 0.82	3.38	13.4
SW-DC-500	N	5/17/2004	--	178	8	186	--	51.5	0.875	0.134	175	11.2	--	--	--	--	--	0.425	2.46	8.83
SW-DC-500	N	8/26/2004	--	221	--	231	--	56.9	e 0.916	0.168	212	16.9	--	--	--	--	--	0.72	3.01	11
SW-DC-800	N	5/19/2003	<2	229	--	188	e% <0.05	53	2	<0.1	190	14	<0.05	<0.05	<0.05	e% 0.04	e% 0.07	<1	2	9
SW-DC-800	N	7/29/2003	--	212	--	217	--	N 58.9	1.59	0.146	222	18.2	--	--	--	--	--	B 0.637	2.66	7.18
SW-DC-800	N	8/12/2003	--	194	16.6	211	0.02	q 54.6	1.59	0.141	q 208	q 17.3	<0.02	--	--	H 0.03	e% 0.03	B 0.708	q 2.54	6.83
SW-DC-800	N	10/30/2003	--	199	4.2	204	q 0.04	q 56	1.9	0.116	214	18	<0.02	--	--	H 0.02	0.02	B 0.762	q 2.54	6.56
SW-DC-800	N	5/19/2004	--	211	e 2.38	214	--	54	1.28	0.145	199	15.5	--	--	--	--	--	0.494	2.5	8.86
SW-DC-800	N	8/24/2004	--	212	--	224	--	53.7	e 1.67	0.177	206	17.6	--	--	--	--	--	0.636	2.38	7.58
SP-DC-100	N	10/29/2003	--	157	<1	157	<0.01	46	1.29	0.24	160	10.9	0.08	--	--	0.093	e 0.1	Be% 0.484	2.68	12.5

TABLE A-2
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR MAJOR IONS AND NUTRIENTS
PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
SP-DC-350	N	8/8/2002	<2	171	--	140	<0.05	57	e% <2	0.16	171	7	0.19	0.19	<0.05	0.08	0.17	<1	2	15
SP-DC-350	N	5/19/2003	<2	143	--	118	e% <0.05	30	1	0.15	87	3	0.16	0.16	<0.05	e% 0.17	e% 0.17	<1	2	7
SP-DC-350	N	8/13/2003	--	153	<1	153	0.02	q 52.5	0.942	0.199	q 158	q 6.63	0.15	--	--	H 0.14	e% 0.14	0.467	q 2.21	13
SP-DC-350	N	5/17/2004	--	109	<1	109	--	34.3	0.714	0.172	102	4.02	--	--	--	--	--	B 0.249	1.73	7.96
SP-DC-350	N	8/25/2004	--	162	--	162	--	50.6	e 0.768	0.208	153	6.57	--	--	--	--	--	0.612	2.03	13.3
SP-UTDC-700	N	5/19/2003	<2	96	--	78	e% <0.05	26	1	0.1	73	2	<0.05	<0.05	<0.05	e% 0.09	e% 0.14	<1	2	9
SP-UTDC-700	N	8/14/2003	--	116	<1	116	<0.01	q 42.8	0.814	0.133	q 122	q 3.61	0.02	--	--	H 0.14	e% 0.57	0.728	q 2.21	4.97
SP-UTDC-700	N	10/28/2003	--	102	<1	102	0.47	40.5	1.77	<0.1	119	4.29	<0.02	--	--	0.049	e% 1.45	2.29	2.26	8.34
SP-UTDC-700	N	5/17/2004	--	206	<1	206	--	66.1	1.43	0.298	208	10.4	--	--	--	--	--	B 0.282	2.5	20.6
SP-UTDC-700	N	8/26/2004	--	252	--	252	--	125	e 1.75	0.347	381	16.8	--	--	--	--	--	2.27	3.22	24
SP-UTDC-800	N	9/25/2002	<2	242	--	198	<0.05	80	<4	0.15	253	13	<0.05	<0.05	<0.05	0.01	0.1	<1	3	24
SP-UTDC-800	N	5/19/2003	<2	143	--	118	e% <0.05	44	2	0.16	135	6	0.05	0.05	<0.05	e% 0.23	e% 0.18	<1	2	14
SP-UTDC-800	N	8/13/2003	--	241	<1	241	0.02	q 80.2	1.75	0.312	q 254	q 13.1	<0.02	--	--	H 0.05	e% 0.06	0.506	q 2.97	22.1
SP-UTDC-800	N	10/28/2003	--	236	<1	236	<0.01	84.3	2.04	0.301	266	13.6	<0.02	--	--	0.037	e% 1.81	1.01	3.13	23.5
SP-UTDC-800	N	5/17/2004	--	81.6	<1	81.6	--	29.3	0.732	0.133	83.4	2.5	--	--	--	--	--	0.622	1.65	6.46
NORTH FORK DEER CREEK																				
SW-NFDC-200	N	5/19/2003	<2	258	--	212	e% <0.05	56	2	0.13	210	17	<0.05	<0.05	<0.05	e% 0.07	e% 0.08	<1	2	11
SW-NFDC-200	D	5/19/2003	<2	244	14	223	0.54	59	3	0.1	209	15	<0.05	<0.05	<0.05	0.02	0.07	<1	3	7
SW-NFDC-500	N	5/22/2002	<2	226	--	185	<0.05	61	<2	0.1	239	21	<0.05	<0.05	<0.05	e 0.02	0.03	<1	3	12
SW-NFDC-500	N	8/7/2002	<2	231	--	189	<0.05	59	e% <2	0.1	213	16	0.07	0.07	<0.05	0.02	0.07	<1	3	9
SW-NFDC-500	N	5/19/2003	<2	244	--	200	e% <0.05	58	2	0.1	211	16	<0.05	<0.05	<0.05	e% 0.02	e% 0.04	<1	3	11
SW-NFDC-500	D	5/19/2003	<2	258	--	212	<0.05	53	1	0.12	190	14	<0.05	<0.05	<0.05	0.05	0.06	<1	2	10
SW-NFDC-500	N	8/13/2003	--	208	<1	208	0.05	55.3	0.959	0.131	203	15.6	0.07	--	--	H 0.02	0.03	B 0.705	3.14	6.6
SW-NFDC-500	N	10/28/2003	--	205	<1	205	<0.01	55.8	1.11	0.122	206	16.2	<0.02	--	--	0.013	e% 0.03	B 0.831	3.39	8.76
SW-NFDC-900	N	6/18/2002	<2	220	--	180	0.07	55	<2	0.16	211	18	<0.05	<0.05	<0.05	0.02	**B 0.04	<1	3	11
SW-NFDC-900	N	8/7/2002	<2	237	--	194	<0.05	60	e% <2	0.12	220	17	0.07	0.07	<0.05	0.02	0.11	<1	3	13
SW-NFDC-900	N	5/19/2003	<2	258	--	212	e% <0.05	58	1	0.11	215	17	<0.05	<0.05	<0.05	e% 0.02	e% 0.14	<1	3	13

TABLE A-2
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PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
SW-NFDC-900	N	8/13/2003	--	198	12.4	210	0.02	58.4	0.95	0.163	214	16.6	<0.02	--	--	H 0.03	0.06	B 0.81	3.29	10.5
SW-NFDC-900	N	10/28/2003	--	211	<1	211	<0.01	59.8	1.17	0.135	221	17.3	<0.02	--	--	0.019	e% 0.03	B 0.838	3.54	13.2
SW-UTNFDC-510	N	9/24/2002	<2	259	--	212	<0.05	54	<4	0.17	225	22	0.06	0.06	<0.05	<0.01	0.01	<1	5	16
SW-UTNFDC-510	N	5/19/2003	<2	272	--	223	e% 0.07	59	2	<0.1	242	23	<0.05	<0.05	<0.05	e% <0.005	e% 0.02	<1	5	16
SW-UTNFDC-510	N	8/13/2003	--	240	<1	240	0.05	58.2	1.22	0.11	239	22.6	<0.02	--	--	H <0.01	<0.01	B 0.839	4.68	11.1
SW-UTNFDC-700	N	9/23/2002	<2	138	--	113	<0.05	50	<4	0.07	187	15	0.11	0.11	<0.05	0.01	<0.01	<1	3	6
SW-UTNFDC-700	N	5/19/2003	<2	220	--	180	e% <0.05	50	1	<0.1	195	17	0.17	0.17	<0.05	e% <0.005	e% 0.03	<1	3	12
SW-UTNFDC-700	N	8/13/2003	--	188	4.78	193	0.05	49.2	1.02	0.102	186	15.3	0.15	--	--	H <0.01	<0.01	B 0.527	2.98	5.54
SW-UTNFDC-800	N	9/23/2002	<2	220	--	180	<0.05	56	<4	0.09	193	13	<0.05	<0.05	<0.05	0.02	0.02	<1	3	6
SW-UTNFDC-900	N	9/23/2002	<2	187	--	153	<0.05	54	<4	0.1	168	8	<0.05	<0.05	<0.05	<0.01	0.01	<1	2	5
SW-UTNFDC-950	N	9/23/2002	<2	199	--	163	<0.05	60	<4	0.1	191	10	<0.05	<0.05	<0.05	<0.01	0.02	<1	3	5
SP-NFDC-50	N	10/29/2003	--	219	<1	219	<0.01	53.2	0.827	0.143	218	20.8	0.67	--	--	H <0.01	e <0.01	Be% 0.83	3.04	9.56
SP-NFDC-700	N	6/18/2002	<2	242	--	198	<0.05	63	<4	0.16	256	24	0.13	0.13	<0.05	0.06	**B 0.04	<1	3	27
SP-NFDC-700	N	8/7/2002	<2	242	--	198	<0.05	66	e% <2	0.18	238	18	0.21	0.21	<0.05	0.05	0.09	<1	4	25
SP-NFDC-700	N	5/19/2003	<2	287	--	235	e% <0.05	64	2	0.14	242	20	0.13	0.13	<0.05	e% 0.06	e% 0.06	<1	3	24
SP-NFDC-700	N	8/13/2003	--	223	<1	223	0.02	62.9	1.02	0.22	234	18.6	0.12	--	--	H 0.06	0.05	B 0.689	3.42	24.6
SP-UTNFDC-400	N	5/21/2002	<2	83	--	68	<0.05	25	<2	0.17	75	3	<0.05	<0.05	<0.05	0.26	0.53	<1	2	7
SP-UTNFDC-400	N	5/20/2003	<2	qe% 115	--	qe% 94	<0.05	28	<2	0.17	e% 86	e% 4	<0.05	<0.05	<0.05	0.28	q 0.28	<1	2	e 6
SP-UTNFDC-520	N	9/24/2002	<2	242	--	198	<0.05	52	<4	0.14	200	17	0.06	0.06	<0.05	0.01	0.01	<1	4	15
SP-UTNFDC-520	N	5/19/2003	<2	258	--	212	e% <0.05	60	1	<0.1	240	22	0.07	0.07	<0.05	e% 0.009	e% 0.02	<1	3	16
SP-UTNFDC-520	N	8/13/2003	--	220	<1	220	0.05	56.9	0.984	0.133	221	19.1	0.05	--	--	H <0.01	<0.01	B 0.821	3.51	13.7
SP-UTNFDC-540	N	8/13/2003	--	269	<1	269	0.03	74.7	0.677	0.301	279	22.4	<0.02	--	--	H 0.09	0.21	B 0.596	2.59	15.5
SP-UTNFDC-540	N	10/28/2003	--	257	<1	257	<0.01	68.5	1.12	0.204	269	23.7	<0.02	--	--	0.098	e% 0.23	B 0.743	2.44	8.84
SP-UTNFDC-540	N	5/17/2004	--	241	10.82	251	--	61.8	1.03	0.277	240	20.7	--	--	--	--	--	0.398	2.26	12.2
SP-UTNFDC-600	N	8/6/2002	<2	253	--	207	<0.05	74	e% <4	0.19	242	14	0.19	0.19	<0.05	0.03	0.15	<1	4	22
SP-UTNFDC-600	N	5/20/2003	<2	qe% 258	--	qe% 212	<0.05	64	2	0.14	e% 217	e% 14	<0.05	<0.05	<0.05	0.02	q 0.03	<1	3	e 24
SP-UTNFDC-600	N	8/14/2003	--	231	<1	231	<0.01	q 70.3	1.13	0.198	q 234	q 14.2	<0.02	--	--	H 0.03	e% 0.04	0.512	q 3.17	17.8

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PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
SP-UTNFDC-600	N	10/29/2003	--	279	<1	279	<0.01	76.5	1.4	0.356	293	24.7	<0.02	--	--	0.174	e 0.19	Be% 0.69	2.59	21.1
SP-UTNFDC-600	N	5/18/2004	--	202	<1	202	--	59.1	0.92	0.226	198	12.3	--	--	--	--	--	B 0.27	2.79	22.9
SP-UTNFDC-600	N	8/25/2004	--	239	--	250	--	71.6	e 1.11	0.203	242	15.3	--	--	--	--	--	0.785	3	16.5
SOUTH FORK DEER CREEK																				
SW-SFDC-200	N	5/18/2003	<2	215	--	176	e% <0.05	48	1	0.12	153	8	<0.05	<0.05	<0.05	e% 0.09	e% 0.13	<1	2	7
SW-SFDC-200	N	8/13/2003	--	149	<1	149	0.02	q 41.4	0.639	0.127	q 147	q 10.6	<0.02	--	--	H 0.04	e% 0.04	0.684	q 2.61	8.45
SW-SFDC-200	D	8/13/2003	--	145	<1	145	0.02	39.7	0.65	0.123	142	10.3	<0.02	--	--	H 0.03	0.04	0.671	2.55	8.38
SW-SFDC-200	N	10/28/2003	--	170	<1	170	<0.01	51.8	0.987	0.1	174	10.9	<0.02	--	--	<0.01	e% 0.05	B 0.587	2.64	10.1
SW-SFDC-300	N	5/22/2002	<2	171	--	140	<0.05	53	<2	0.09	174	10	0.11	0.11	<0.05	e 0.06	0.1	<1	2	9
SW-SFDC-300	N	5/18/2003	<2	186	--	153	e% <0.05	54	2	<0.1	164	7	<0.05	<0.05	<0.05	e% 0.07	e% 0.07	<1	1	6
SW-SFSC-800	N	9/28/2004	--	221	<1	221	--	49.3	4.35	0.367	205	19.9	--	--	--	--	--	0.617	4.58	13.4
SW-SFDC-800	N	5/23/2002	<2	90	--	74	<0.05	30	<2	0.11	87	3	<0.05	<0.05	<0.05	e 0.1	0.11	<1	1	7
SW-SFDC-800	N	5/19/2003	<2	96	--	78	e% <0.05	25	1	0.12	71	2	<0.05	<0.05	<0.05	e% 0.1	e% 0.11	<1	1	6
SW-SFDC-800	N	5/17/2004	--	98	<1	98	--	31.1	0.739	0.128	87.1	2.32	--	--	--	--	--	B 0.17	1.53	4.09
SW-UTSFDC-900	N	5/19/2003	<2	72	--	59	e% <0.05	23	1	<0.1	66	2	0.05	0.05	<0.05	e% 0.1	e% 0.11	<1	1	6
SP-UTSFDC-500	N	5/22/2002	<2	71	--	58	<0.05	28	<2	0.05	78	2	<0.05	<0.05	<0.05	e 0.04	0.05	<1	1	<5
SP-UTSFDC-600	N	10/29/2003	--	222	<1	222	<0.01	54.2	1.72	0.174	213	18.9	0.03	--	--	H <0.01	e <0.01	Be% 0.759	4.4	6.96
WELLS CANYON																				
SW-WC-800	N	5/18/2003	<2	239	9	212	e% <0.05	60	3	0.1	212	15	<0.05	<0.05	<0.05	e% 0.03	e% 0.07	<1	3	7
SW-WC-800	N	8/12/2003	--	201	8.78	210	0.02	q 57.7	2.86	0.165	q 204	q 14.5	0.08	--	--	H 0.04	e% 0.06	1.93	q 3.32	5.47
SW-WC-800	D	8/12/2003	--	199	9.28	209	0.01	57.5	2.67	0.163	203	14.4	0.08	--	--	H 0.04	0.08	2.01	3.31	5.28
SW-WC-800	N	10/28/2003	--	201	<1	201	0.02	57.9	2.54	0.15	203	14.2	0.03	--	--	0.018	e% 0.02	B 0.826	3.32	5.32
SW-WC-800	N	5/19/2004	--	198	e 9.62	208	--	53.8	2.04	0.165	191	13.7	--	--	--	--	--	0.532	3.03	4.89
SW-WC-800	D	5/19/2004	--	199	e 9.28	208	--	52.2	2.08	0.153	185	13.3	--	--	--	--	--	0.513	2.99	5.01
SW-WC-800	N	8/24/2004	--	206	--	214	--	54.1	e 2.02	0.17	194	14.4	--	--	--	--	--	0.586	2.94	5.05
SP-UTWC-300	N	5/23/2002	<2	12	--	10	<0.05	4	<2	0.07	14	1	<0.05	<0.05	<0.05	e 0.02	0.04	<1	1	5
SP-UTWC-300	N	5/18/2003	<2	38	--	31	e% <0.05	5	2	<0.1	17	1	<0.05	<0.05	<0.05	e% 0.02	e% 0.05	<1	1	6

TABLE A-2
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR MAJOR IONS AND NUTRIENTS
PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
SP-WC-400	N	5/20/2002	<2	165	--	135	<0.05	47	<2	0.21	154	9	<0.05	<0.05	<0.05	0.22	0.24	<1	3	14
SP-WC-400	N	8/8/2002	<2	200	--	164	<0.05	62	e% 2	0.21	200	11	0.12	0.12	<0.05	0.1	0.3	<1	3	20
SP-WC-400	D	8/8/2002	<2	215	--	176	<0.05	61	6	0.21	198	11	0.17	0.17	<0.05	0.1	0.26	<1	3	21
SP-WC-400	N	5/18/2003	<2	186	--	153	e% <0.05	49	3	0.2	164	10	0.06	0.06	<0.05	e% 0.17	e% 0.18	<1	2	14
SP-WC-400	N	8/13/2003	--	182	<1	182	0.02	q 59.2	1.48	0.263	q 195	q 11.4	0.09	--	--	H 0.19	e% 0.4	1.02	q 3.02	17.9
SP-WC-400	N	10/28/2003	--	178	<1	178	0.02	58.8	1.74	0.235	194	11.5	<0.02	--	--	0.142	e% 0.22	B 0.843	3.09	19
SP-WC-400	D	10/28/2003	--	179	<1	179	0.02	59.8	1.77	0.238	--	11.7	<0.02	--	--	H 0.149	0.29	B 0.951	3.13	19.1
SP-WC-400	N	5/17/2004	--	167	<1	167	--	48.1	0.992	0.22	160	9.57	--	--	--	--	--	0.316	2.42	13.7
SP-WC-400	N	8/25/2004	--	184	--	188	--	57.8	e 1.86	0.256	194	12	--	--	--	--	--	1.81	2.81	18.9
SP-WC-750	N	6/5/2003	<2	249	--	204	<0.05	59	4	0.13	197	12	0.26	0.26	<0.05	0.04	0.06	<1	3	<5
SP-WC-750	N	7/29/2003	--	211	--	211	--	N 59.3	2.3	0.168	212	15.5	--	--	--	--	--	B 0.63	3.34	5.24
SP-WC-750	N	8/14/2003	--	193	<1	193	<0.1	q 56	2.25	0.133	q 189	q 11.8	0.24	--	--	H 0.04	e% 0.04	0.731	q 3.24	4.24
DIAMOND CREEK																				
SW-DMC-200	N	5/18/2003	<2	86	--	71	e% 0.14	18	1	0.1	61	4	<0.05	<0.05	<0.05	e% 0.29	e% 0.25	<1	1	6
SW-DMC-200	N	8/14/2003	--	156	<1	156	<0.01	q 42.5	0.568	0.16	q 185	q 10.9	<0.02	--	--	H 0.08	e% 0.1	0.523	q 3.27	7.1
SW-DMC-200	D	8/14/2003	--	158	<1	158	<0.01	43.2	0.518	0.143	153	11	<0.02	--	--	H 0.08	0.1	0.508	3.32	7.02
STEWART CANYON																				
SW-ST-500	N	8/15/2003	--	173	5.7	179	0.01	56.1	0.893	0.181	182	10.1	0.02	--	--	0.14	0.16	B 0.603	2.28	10.5
SW-ST-500	N	5/18/2004	--	132	<1	132	--	38.2	0.662	0.199	123	6.7	--	--	--	--	--	0.326	1.94	11
SW-ST-500	N	8/26/2004	--	180	--	187	--	53.4	e 0.867	0.199	174	9.92	--	--	--	--	--	0.555	2.09	12.2
SW-ST-700	N	8/26/2004	--	163	--	171	--	39.1	e 0.995	0.153	154	13.6	--	--	--	--	--	0.434	1.66	4.58
SW-ST-700	D	8/26/2004	--	162	--	169	--	38.8	1.36	0.151	153	13.6	--	--	--	--	--	0.412	1.64	4.59
SP-ST-100	N	8/15/2003	--	202	1	202	0.01	52.7	1.22	0.2	190	14.2	0.17	--	--	0.01	0.02	B 0.614	1.77	4.85
SP-ST-100	N	5/18/2004	--	195	<1	195	--	48.7	1.15	0.159	176	13.1	--	--	--	--	--	0.396	1.58	4.57
SP-ST-100	N	8/26/2004	--	199	--	202	--	50.2	e 0.972	0.165	184	14.1	--	--	--	--	--	0.51	1.61	5.2
SP-ST-200	N	8/15/2003	--	189	1	189	0.01	53.8	1.05	0.153	185	12.3	0.14	--	--	0.07	0.09	B 0.63	2.41	7.29
SP-ST-200	N	5/18/2004	--	197	<1	197	--	50.6	1.37	0.193	175	11.8	--	--	--	--	--	0.421	2.27	7.65

TABLE A-2
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR MAJOR IONS AND NUTRIENTS
PANELS F AND G
BASELINE STUDY

Site		Sample Date	Acidity (mg/L)	Alkalinity Bicarbonate (mg/L)	Alkalinity Carbonate (mg/L)	Alkalinity Total (mg/L)	Ammonia Undistilled (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride Undistilled (mg/L)	Hardness (mg/L)	Magnesium (mg/L)	Nitrate and Nitrite (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Phosphorous Ortho (mg/L)	Phosphorous Total (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)
IDAHO DEQ Standards**			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
SP-ST-200	N	8/26/2004	--	198	--	203	--	52.4	e 1.34	0.18	182	12.5	--	--	--	--	--	0.553	2.27	7.82
LAMB CANYON																				
SW-LC-500	N	8/15/2003	--	210	7.08	217	0.01	62.4	0.618	0.16	206	12.1	0.08	--	--	0.06	0.1	B 0.552	1.94	11.3
CLEAR CREEK																				
SW-CL-800	N	7/29/2003	--	229	--	230	--	N 59.9	5.45	0.132	228	19	--	--	--	--	--	B 0.656	5.5	7.81
WHITE DUGWAY CREEK																				
SW-WD-800	N	7/29/2003	--	84.2	--	102	--	N 43.9	195	0.127	178	16.6	--	--	--	--	--	1.01	157	122
WARM CREEK																				
SW-WM-800	N	7/30/2003	--	245	--	245	--	N 65.6	34.7	0.217	233	16.9	--	--	--	--	--	B 0.851	29.8	13.2
PRESERVATIVE BLANK																				
SW-OC-200	B	5/20/2003	3	3	0	2	<0.05	< 1	<2	<0.1	<7	<1	<0.05	<0.05	<0.05	<0.01	0.01	<1	<1	<5
SW-OC-200	B	8/14/2003	--	<1	<1	<1	<0.01	0.0491	<0.2	<0.1	0.178	0.0134	<0.02	--	--	H <0.01	<0.01	<0.025	0.0488	<0.3
SW-OC-200	B	10/30/2003	--	<1	<1	<1	0.02	B 0.014	<0.2	<0.1	--	<0.005	<0.02	--	--	H <0.01	<0.01	B 0.0487	B 0.0624	<0.3
SW-OC-200	B	5/19/2004	--	<1	e <1	<1	--	B 0.0222	<0.2	<0.1	B 0.102	<0.0112	--	--	--	--	--	<0.0258	B 0.0265	<0.3

Notes:

<	Indicates analyte not detected above laboratory practical quantification limit (PQL)
(mg/L)	Milligrams per liter
D	Field duplicate sample
N	Located in Site column indicates natural sample.
N	Located in analyte columns indicates percent recovery not within control limits 75-125% (SVL).
--	Field data or laboratory samples were not collected or analyzed.

Bromide analysis was conducted on thirteen samples collected during the period of July 28 through July 30, 2003 as part of the Crow Creek Study. The stations sampled include: SP-BOOKS, SP-CC-50, SP-Hoopes, SP-Reide, SP-SFSC-750, SP-UTCC-50, SP-WC-750, SW-CC-300, SW-CC-50, SW-CL-800, SW-DC-800, SW-WD-800, and SW-WM-800. All samples collected were below the 0.1 mg/L reporting limit.

e	Field duplicate results exceed acceptable limits - PQL based determination.
e%	Fieild duplicate results exceed acceptable limits - relative percent difference determination.
H	Sample analyzed out of holding time.
q	Associated values are estimates - field blank showed evidence of contamination.
NE	Not Established
B	Not detected above quantitation limit but present above the method detection limit.
**B	Analyte was detected in method blank. Results are not corrected for the method blank concentration.
**	Based on IDAPA 58.01.02, there are no surface water quality standards for major ions and nutrients.

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
CROW CREEK														
SW-CC-50	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SW-CC-50	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-CC-50	5/19/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	B 0.0169
SW-CC-50	5/19/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	e% 0.202
SW-CC-50	8/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-CC-50	8/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.187
SW-CC-100	8/15/2003	Dissolved	N	<0.0097	BW 0.0014	B 0.00049	0.0355	<0.00006	<0.012	<0.0001	B 0.00039	B 0.00036	<0.0026	<0.0045
SW-CC-100	8/15/2003	Total	N	0.035	<0.0006	<0.0004	0.0359	<0.00006	<0.012	<0.0001	B 0.00041	<0.0003	<0.0026	* 0.0396
SW-CC-100	10/29/2003	Dissolved	N	<0.0097	Be 0.0023	e <0.0004	0.0339	<0.00006	<0.012	<0.00006	<0.0003	B 0.0005	<0.0026	<0.0045
SW-CC-100	10/29/2003	Dissolved	D	<0.0097	<0.0006	B 0.00052	0.0339	<0.00006	<0.012	<0.00006	<0.0003	B 0.00035	<0.0026	<0.0045
SW-CC-100	10/29/2003	Total	N	e% 0.821	<0.0006	Be 0.00072	e% 0.0475	<0.00006	<0.012	e 0.00023	Be% 0.0023	<0.0003	<0.0026	e% 0.632
SW-CC-100	10/29/2003	Total	D	0.117	<0.0006	B 0.00052	0.0352	<0.00006	<0.012	<0.00006	B 0.00079	<0.0003	<0.0026	0.0854
SW-CC-100	5/19/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-CC-100	5/19/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	e% 0.163
SW-CC-100	8/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-CC-100	8/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0979
SW-CC-300	5/20/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	<0.03
SW-CC-300	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-CC-300	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SW-CC-300	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-CC-300	8/12/2003	Dissolved	N	<0.0097	Be 0.0011	B 0.00083	0.0449	<0.00006	<0.012	<0.0001	<0.0003	B 0.0004	<0.0026	Be 0.011
SW-CC-300	8/12/2003	Total	N	Ne% 0.0457	<0.0006	B 0.00081	0.0471	<0.00006	<0.012	<0.0001	Be% 0.00037	<0.0003	<0.0026	e% 0.0653
SW-CC-300	5/19/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124

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ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-CC-300	5/19/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	e% 0.153
SW-CC-300	8/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-CC-300	8/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0357
SW-CC-800	5/20/2003	Dissolved	N	<0.1	<0.003	0.001	<0.1	<0.001	0.1	<0.0001	0.002	<0.01	<0.01	<0.03
SW-CC-800	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-CC-800	8/15/2003	Dissolved	N	<0.0097	BW 0.00082	B 0.00089	0.0425	B 0.00006	B 0.0146	<0.0001	<0.0003	B 0.00056	<0.0026	<0.0045
SW-CC-800	8/15/2003	Total	N	N 0.0298	W <0.0006	<0.0004	0.053	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	* 0.0482
SW-CC-800	5/19/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-CC-800	5/19/2004	Dissolved	D	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-CC-800	5/19/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	e% 0.0958
SW-CC-800	5/19/2004	Total	D	--	--	--	--	--	--	<0.0001	--	--	--	0.119
SW-CC-800	8/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-CC-800	8/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0403
SP-UTCC-50	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTCC-50	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-RIEDE	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-RIEDE	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	6/5/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	6/5/2003	Total	N	* <0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	0.14
SP-BOOKS	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	8/14/2003	Dissolved	N	<0.0097	Be 0.0014	<0.0007	0.0262	<0.00006	<0.012	<0.0001	B 0.0005	<0.0003	<0.0026	Be 0.0084
SP-BOOKS	8/14/2003	Total	N	Ne% <0.0097	<0.0006	<0.0007	0.0271	<0.00006	<0.012	<0.0001	qe% 0.00056	<0.0003	<0.0026	e% 0.0357
SP-BOOKS	5/19/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SP-BOOKS	5/19/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	Be% 0.0176
SP-BOOKS	8/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-BOOKS	8/24/2004	Dissolved	D	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-BOOKS	8/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-BOOKS	8/24/2004	Total	D	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-CC-500	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-CC-500	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-QH-800	10/30/2003	Dissolved	N	<0.0097	<0.0003	N <0.0006	0.025	<0.00006	B 0.0155	<0.00006	<0.0003	<0.0003	<0.0026	<0.0045
SP-QH-800	10/30/2003	Total	N	*N 1.5	<0.0003	N <0.0006	0.0367	<0.00006	B 0.0229	q 0.00035	B 0.0024	<0.0003	<0.0026	* 1.18
SOUTH FORK SAGE CREEK														
SW-SFSC-200	5/20/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	0.04
SW-SFSC-200	5/20/2003	Total	N	* <0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	0.1
SW-SFSC-200	8/12/2003	Dissolved	N	<0.0086	B 0.0015	<0.0004	0.0241	<0.00007	B 0.0287	<0.0001	B 0.0011	B 0.00044	0.0042	B 0.0062
SW-SFSC-200	8/12/2003	Total	N	* <0.0097	<0.0006	<0.0004	0.0223	B 0.00007	<0.012	<0.0001	B 0.00055	<0.0003	<0.0026	<0.0045
SW-SFSC-500	5/20/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	0.0002	<0.01	--	<0.01	<0.05
SW-SFSC-500	5/20/2002	Total	N	0.2	<0.001	0.001	<0.1	<0.001	<0.05	0.0003	<0.01	--	<0.01	0.15
SW-SFSC-500	8/12/2003	Dissolved	N	B 0.0097	BW 0.00068	<0.0004	0.0283	<0.00007	B 0.0138	<0.0001	B 0.00099	<0.0004	B 0.002	<0.0035
SW-SFSC-500	8/12/2003	Total	N	* 0.0244	<0.0006	<0.0004	0.0277	<0.00006	B 0.0137	<0.0001	B 0.00048	<0.0003	<0.0026	0.022
SW-SFSC-800	8/12/2003	Dissolved	N	<0.0086	BW 0.0011	W <0.0004	0.046	<0.00007	<0.0065	<0.0001	B 0.0017	<0.0004	<0.0011	<0.0035
SW-SFSC-800	8/12/2003	Total	N	* <0.0097	<0.0006	<0.0004	0.043	B 0.00011	B 0.0162	<0.0001	B 0.00096	<0.0003	<0.0026	B 0.0124
SW-SFSC-800	5/18/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-SFSC-800	5/18/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0213
SP-SFSC-100	10/28/2003	Dissolved	N	*< 0.0086	Be% 0.00076	<0.0004	0.0193	<0.00007	<0.0065	<0.00006	Be 0.00068	<0.0004	<0.0011	<0.0035
SP-SFSC-100	10/28/2003	Total	N	0.0501	<0.0006	<0.0004	0.0194	<0.00007	<0.0065	<0.00006	B 0.00097	<0.0004	<0.0011	0.0245

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SP-UTSFSC-100	5/21/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SP-UTSFSC-100	5/21/2002	Total	N	* <0.1	<0.001	0.001	<0.1	<0.001	<0.05	0.0002	<0.01	--	<0.01	<0.05
SP-UTSFSC-100	8/6/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.01	--	<0.01	<0.01
SP-UTSFSC-100	8/6/2002	Total	N	e 0.1	<0.001	<0.001	<0.1	<0.001	<0.1	e% 0.0001	<0.01	--	<0.01	e% <0.01
SP-UTSFSC-100	5/20/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.003	<0.01	<0.01	<0.03
SP-UTSFSC-100	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFSC-100	8/12/2003	Dissolved	N	B 0.0143	Be 0.0016	<0.0007	0.0217	<0.00006	B 0.0149	<0.0001	<0.0003	B 0.00031	<0.0026	Be 0.0124
SP-UTSFSC-100	8/12/2003	Total	N	Ne% 0.885	W <0.0006	<0.0007	0.0309	B 0.00021	B 0.0205	q 0.00011	Be% 0.0017	B 0.00063	<0.0026	e% 0.771
SP-UTSFSC-200	9/23/2002	Dissolved	N	<0.1	<0.003	<0.003	0.03	<0.001	<0.1	0.0001	0.002	--	<0.001	0.33
SP-UTSFSC-200	9/23/2002	Total	N	0.5	<0.003	<0.003	0.03	<0.001	<0.1	<0.0001	0.002	--	<0.001	0.8
SP-UTSFSC-200	5/20/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	<0.03
SP-UTSFSC-200	5/20/2003	Dissolved	D	<0.1	<0.003	0.002	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SP-UTSFSC-200	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFSC-200	5/20/2003	Total	D	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFSC-200	8/12/2003	Dissolved	N	0.0447	Be 0.0014	<0.0007	0.0254	B 0.00017	B 0.016	<0.0001	<0.0003	<0.0003	<0.0026	e 0.0229
SP-UTSFSC-200	8/12/2003	Total	N	Ne% 0.127	<0.0006	<0.0007	0.0267	<0.00006	B 0.0198	<0.0001	Be% 0.00074	<0.0003	<0.0026	e% 0.132
SP-UTSFSC-200	10/29/2003	Dissolved	N	<0.0097	Be 0.0026	e <0.0004	0.0245	<0.00006	B 0.0153	<0.00006	<0.0003	B 0.00043	<0.0026	<0.0045
SP-UTSFSC-200	10/29/2003	Total	N	e% 0.0863	<0.0006	e <0.0004	e% 0.0248	<0.00006	B 0.0176	e <0.00006	Be% 0.00055	<0.0003	<0.0026	e% 0.0653
SP-SFSC-750	7/28/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-SFSC-750	7/28/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-SFSC-750	8/12/2003	Dissolved	N	B 0.0098	B 0.00064	<0.0004	0.0457	<0.00007	0.102	<0.0001	B 0.0022	B 0.00042	0.0036	0.0285
SP-SFSC-750	8/12/2003	Total	N	* <0.0097	<0.0006	<0.0004	0.0397	B 0.0001	B 0.0153	<0.0001	B 0.00096	<0.0003	<0.0026	<0.0045
SP-SFSC-750	9/28/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-SFSC-750	9/28/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	B 0.0175

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SP-SFSC-750	10/13/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-SFSC-750	10/13/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0247
SP-HOOPES	7/28/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-HOOPES	7/28/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTSC-850	5/18/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	B 0.013
SP-UTSC-850	5/18/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.326
SP-UTSC-850	9/28/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0268
SP-UTSC-850	9/28/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.228
MANNING CREEK														
SP-MC-300	5/21/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SP-MC-300	5/21/2002	Total	N	0.2	<0.001	0.003	<0.1	<0.001	<0.05	0.0002	<0.01	--	<0.01	0.18
SP-MC-300	5/20/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.003	<0.01	<0.01	<0.03
SP-MC-300	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-MC-300	8/25/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-MC-300	8/25/2004	Total	N	--	--	--	--	--	--	0.0024	--	--	--	26.9
DEER CREEK														
SW-DC-200	5/18/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	<0.03
SW-DC-200	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-DC-200	8/14/2003	Dissolved	N	<0.0097	Be 0.0015	<0.0007	0.0244	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	e <0.0045
SW-DC-200	8/14/2003	Total	N	Ne% <0.0097	<0.0006	<0.0007	0.0245	q 0.00006	<0.012	<0.0001	qe% 0.00044	<0.0003	<0.0026	e% 0.0185
SW-DC-200	5/20/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-DC-200	5/20/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	e% 0.0249
SW-DC-200	8/25/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-DC-200	8/25/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.114

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-DC-300	5/22/2002	Dissolved	N	<0.1	0.002	0.002	<0.1	<0.001	<0.05	0.0002	<0.01	--	<0.01	<0.05
SW-DC-300	5/22/2002	Total	N	0.2	<0.001	0.001	<0.1	<0.001	<0.05	0.0001	<0.01	--	<0.01	0.22
SW-DC-300	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-DC-300	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-DC-400	5/22/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SW-DC-400	5/22/2002	Total	N	0.2	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.2
SW-DC-400	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-DC-400	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-DC-400	5/17/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-DC-400	5/17/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	B 0.0132
SW-DC-500	5/23/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SW-DC-500	5/23/2002	Dissolved	D	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SW-DC-500	5/23/2002	Total	N	0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.14
SW-DC-500	5/23/2002	Total	D	* <0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.11
SW-DC-500	8/7/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.01	--	<0.01	0.06
SW-DC-500	8/7/2002	Total	N	e <0.1	<0.001	<0.001	<0.1	<0.001	<0.1	e% 0.0002	<0.01	--	<0.01	e% 0.05
SW-DC-500	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-DC-500	5/19/2003	Total	N	0.1	<0.003	0.002	<0.1	<0.001	<0.1	0.0003	(1) 0.001	<0.01	<0.01	0.21
SW-DC-500	8/13/2003	Dissolved	N	<0.0086	B 0.001	<0.0004	0.0339	<0.00007	B 0.0128	<0.0001	B 0.001	B 0.00048	<0.0011	<0.0035
SW-DC-500	8/13/2003	Total	N	* 0.171	<0.0006	<0.0004	0.0355	B 0.00013	B 0.0189	0.00011	B 0.00084	<0.0003	<0.0026	0.263
SW-DC-500	10/28/2003	Dissolved	N	*< 0.0086	BWe% 0.0021	W <0.0004	0.0305	<0.00007	B 0.0118	<0.00006	Be 0.00042	B 0.00043	<0.0011	<0.0035
SW-DC-500	10/28/2003	Total	N	0.0585	<0.0006	<0.0004	0.0302	<0.00007	<0.0065	0.0001	B 0.00055	<0.0004	<0.0011	0.0524
SW-DC-500	5/17/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-DC-500	5/17/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.19

TABLE A-3
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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-DC-500	8/26/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-DC-500	8/26/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.261
SW-DC-800	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	<0.03
SW-DC-800	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-DC-800	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SW-DC-800	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-DC-800	8/12/2003	Dissolved	N	B 0.0121	Be 0.002	<0.0007	0.0295	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	e 0.0251
SW-DC-800	8/12/2003	Total	N	e% 0.0244	<0.0006	<0.0007	0.0308	B 0.00007	<0.012	<0.0001	Be% 0.00059	<0.0003	<0.0026	e% 0.0898
SW-DC-800	10/30/2003	Dissolved	N	<0.0097	<0.0003	N <0.0006	0.0285	B 0.00009	B 0.0145	<0.00006	<0.0003	<0.0003	<0.0026	<0.0045
SW-DC-800	10/30/2003	Total	N	*BN 0.0176	W <0.0003	N <0.0006	0.0288	<0.00006	B 0.013	<0.00006	B 0.00046	<0.0003	<0.0026	* 0.114
SW-DC-800	5/19/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-DC-800	5/19/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	e% 0.103
SW-DC-800	8/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	B 0.0144
SW-DC-800	8/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.111
SP-DC-100	10/29/2003	Dissolved	N	<0.0097	We 0.0071	Be 0.00069	0.0037	<0.00006	<0.012	0.0001	B 0.0017	B 0.00067	<0.0026	<0.0045
SP-DC-100	10/29/2003	Total	N	e% <0.0097	B 0.0016	Be 0.00069	e% 0.0033	<0.00006	<0.012	e 0.0002	Be% 0.0019	<0.0003	<0.0026	Be% 0.0107
SP-DC-350	8/8/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	0.0004	<0.01	--	<0.01	<0.01
SP-DC-350	8/8/2002	Total	N	e <0.1	<0.001	<0.001	<0.1	<0.001	<0.1	e% 0.0003	<0.01	--	<0.01	e% 0.03
SP-DC-350	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SP-DC-350	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-DC-350	8/13/2003	Dissolved	N	<0.0097	e 0.0061	<0.0007	0.0114	<0.00006	<0.012	0.0002	B 0.0015	<0.0003	<0.0026	e <0.0045
SP-DC-350	8/13/2003	Total	N	Ne% <0.0097	<0.0006	<0.0007	0.0115	<0.00006	<0.012	q 0.00023	qe% 0.0023	<0.0003	<0.0026	e% <0.0045
SP-DC-350	5/17/2004	Dissolved	N	--	--	--	--	--	--	W*<0.0001	--	--	--	<0.0124
SP-DC-350	5/17/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0708

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SP-DC-350	8/25/2004	Dissolved	N	--	--	--	--	--	--	0.00017	--	--	--	<0.0124
SP-DC-350	8/25/2004	Total	N	--	--	--	--	--	--	0.00046	--	--	--	0.62
SP-UTDC-700	5/19/2003	Dissolved	N	<0.1	<0.003	0.005	<0.1	<0.001	<0.1	0.0003	0.002	<0.01	<0.01	<0.03
SP-UTDC-700	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTDC-700	8/14/2003	Dissolved	N	0.0237	Be 0.0016	B 0.0012	0.0077	<0.00006	<0.012	<0.0001	B 0.0025	<0.0003	<0.0026	e <0.0045
SP-UTDC-700	8/14/2003	Total	N	1.95	<0.0006	0.0014	0.0195	q 0.00011	<0.012	q 0.0063	qe% 0.0309	<0.0003	<0.0026	e% 1
SP-UTDC-700	10/28/2003	Dissolved	N	*B 0.017	e% 0.0033	<0.0004	0.0132	<0.00007	<0.0065	0.0001	Be 0.00061	B 0.00068	<0.0011	<0.0035
SP-UTDC-700	10/28/2003	Total	N	6.74	W <0.0006	BW 0.0028	0.0572	B 0.00023	<0.0065	0.0016	0.0785	B 0.00085	0.0061	4.03
SP-UTDC-700	5/17/2004	Dissolved	N	--	--	--	--	--	--	*0.00024	--	--	--	<0.0124
SP-UTDC-700	5/17/2004	Total	N	--	--	--	--	--	--	0.00046	--	--	--	0.219
SP-UTDC-700	8/26/2004	Dissolved	N	--	--	--	--	--	--	0.00022	--	--	--	<0.0124
SP-UTDC-700	8/26/2004	Total	N	--	--	--	--	--	--	0.0113	--	--	--	7.54
SP-UTDC-800	9/25/2002	Dissolved	N	<0.1	<0.003	<0.003	<0.02	<0.001	<0.1	0.0003	0.003	--	<0.001	0.45
SP-UTDC-800	9/25/2002	Total	N	0.1	<0.003	<0.003	<0.02	<0.001	<0.1	0.0005	0.008	--	<0.001	0.67
SP-UTDC-800	5/19/2003	Dissolved	N	<0.1	<0.003	0.007	<0.1	<0.001	<0.1	<0.0001	0.004	<0.01	<0.01	<0.03
SP-UTDC-800	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTDC-800	8/13/2003	Dissolved	N	<0.0097	Be 0.0016	B 0.00083	0.0034	<0.00006	<0.012	0.00021	<0.0003	B 0.00043	<0.0026	Be 0.012
SP-UTDC-800	8/13/2003	Total	N	N 0.0315	W <0.0006	0.001	0.0035	<0.00006	<0.012	q 0.00031	qe% 0.0018	0.00041	<0.0026	e% 0.0843
SP-UTDC-800	10/28/2003	Dissolved	N	*< 0.0086	We% <0.0006	W <0.0004	0.0042	<0.00007	<0.0065	0.00033	Be 0.00059	B 0.00064	<0.0011	<0.0035
SP-UTDC-800	10/28/2003	Total	N	1.36	W <0.0006	BW 0.003	0.0105	<0.00007	B 0.009	0.001	0.057	<0.0004	B 0.0014	1.82
SP-UTDC-800	5/17/2004	Dissolved	N	--	--	--	--	--	--	*0.00023	--	--	--	B 0.0142
SP-UTDC-800	5/17/2004	Total	N	--	--	--	--	--	--	0.0072	--	--	--	1.29
NORTH FORK DEER CREEK														
SW-NFDC-200	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	0.1	<0.0001	<0.001	<0.01	<0.01	<0.03

TABLE A-3
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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-NFDC-200	5/19/2003	Dissolved	D	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.002	<0.01	<0.01	<0.03
SW-NFDC-200	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-200	5/19/2003	Total	D	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-500	5/22/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SW-NFDC-500	5/22/2002	Total	N	0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.13
SW-NFDC-500	8/7/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	0.0002	<0.01	--	<0.01	0.03
SW-NFDC-500	8/7/2002	Total	N	e 0.1	<0.001	<0.001	<0.1	<0.001	<0.1	e% <0.0001	<0.01	--	<0.01	e% 0.12
SW-NFDC-500	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.002	<0.01	<0.01	<0.03
SW-NFDC-500	5/19/2003	Dissolved	D	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-NFDC-500	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-500	5/19/2003	Total	D	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-500	8/13/2003	Dissolved	N	<0.0086	B 0.00068	<0.0004	0.0339	<0.00007	<0.0065	<0.0001	B 0.00085	B 0.0006	<0.0011	<0.0035
SW-NFDC-500	8/13/2003	Total	N	* 0.0594	<0.0006	<0.0004	0.0339	<0.00006	<0.012	<0.0001	B 0.00045	<0.0003	<0.0026	0.158
SW-NFDC-500	10/28/2003	Dissolved	N	*B 0.0099	e% <0.0006	W <0.0004	0.0321	<0.00007	<0.0065	<0.00006	Be 0.00021	B 0.00054	<0.0011	<0.0035
SW-NFDC-500	10/28/2003	Total	N	0.119	<0.0006	<0.0004	0.0332	<0.00007	B 0.0084	B 0.00007	B 0.00061	<0.0004	<0.0011	0.147
SW-NFDC-900	6/18/2002	Dissolved	N	<0.1	<0.001	0.002	<0.1	<0.001	<0.05	0.0002	<0.01	--	<0.01	<0.05
SW-NFDC-900	6/18/2002	Total	N	0.2	<0.001	0.002	<0.1	<0.001	<0.05	0.0003	<0.01	--	<0.01	0.24
SW-NFDC-900	8/7/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.01	--	<0.01	0.02
SW-NFDC-900	8/7/2002	Total	N	e 0.02	<0.001	<0.001	<0.1	<0.001	<0.1	e% 0.0002	<0.01	--	<0.01	e% 0.2
SW-NFDC-900	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-NFDC-900	5/19/2003	Total	N	0.4	<0.003	0.002	<0.1	<0.001	<0.1	0.0001	(1) 0.001	<0.01	<0.01	0.57
SW-NFDC-900	8/13/2003	Dissolved	N	<0.0086	B 0.0021	<0.0004	0.0326	<0.00007	<0.0065	<0.0001	B 0.00089	<0.0004	<0.0011	<0.0035
SW-NFDC-900	8/13/2003	Total	N	* 0.095	<0.0006	<0.0004	0.034	<0.00006	<0.012	<0.0001	B 0.00049	<0.0003	<0.0026	0.179
SW-NFDC-900	10/28/2003	Dissolved	N	*< 0.0086	e% <0.0006	W <0.0004	0.0308	<0.00007	<0.0065	<0.00006	Be 0.00046	B 0.00049	<0.0011	<0.0035

TABLE A-3
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BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-NFDC-900	10/28/2003	Total	N	0.109	<0.0006	<0.0004	0.0321	<0.00007	<0.0065	B 0.00008	B 0.00071	<0.0004	<0.0011	0.111
SW-UTNFDC-510	9/24/2002	Dissolved	N	<0.1	<0.003	<0.003	0.02	<0.001	<0.1	<0.0001	0.002	--	<0.001	0.32
SW-UTNFDC-510	9/24/2002	Total	N	0.2	<0.003	<0.003	0.02	<0.001	<0.1	0.0001	0.002	--	<0.001	0.47
SW-UTNFDC-510	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	<0.03
SW-UTNFDC-510	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-UTNFDC-510	8/13/2003	Dissolved	N	<0.0086	B 0.0016	<0.0004	0.0264	<0.00007	B 0.0188	<0.0001	B 0.0011	B 0.00054	<0.0011	B 0.0037
SW-UTNFDC-510	8/13/2003	Total	N	* 0.0994	<0.0006	<0.0004	0.0273	<0.00006	B 0.0247	<0.0001	B 0.00072	<0.0003	<0.0026	0.171
SW-UTNFDC-700	9/23/2002	Dissolved	N	<0.1	<0.003	<0.003	0.03	<0.001	<0.1	0.0001	<0.001	--	<0.001	0.29
SW-UTNFDC-700	9/23/2002	Total	N	* <0.1	<0.003	<0.003	0.04	<0.001	<0.1	<0.0001	0.001	--	<0.001	0.32
SW-UTNFDC-700	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-UTNFDC-700	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-UTNFDC-700	8/13/2003	Dissolved	N	<0.0086	B 0.0011	<0.0004	0.0282	<0.00007	<0.0065	<0.0001	B 0.00097	B 0.00049	<0.0011	<0.0035
SW-UTNFDC-700	8/13/2003	Total	N	N <0.0097	W <0.0006	<0.0004	0.0265	<0.00006	<0.012	<0.0001	B 0.00042	<0.0003	<0.0026	B 0.0143
SW-UTNFDC-800	9/23/2002	Dissolved	N	<0.1	<0.003	<0.003	0.04	<0.001	<0.1	<0.0001	0.002	--	<0.001	0.32
SW-UTNFDC-800	9/23/2002	Total	N	0.1	<0.003	<0.003	0.04	<0.001	<0.1	<0.0001	0.002	--	<0.001	0.37
SW-UTNFDC-900	9/23/2002	Dissolved	N	<0.1	<0.003	<0.003	0.03	<0.001	<0.1	<0.0001	<0.001	--	<0.001	0.3
SW-UTNFDC-900	9/23/2002	Total	N	* <0.1	<0.003	<0.003	0.04	<0.001	<0.1	<0.0001	0.001	--	<0.001	0.33
SW-UTNFDC-950	9/23/2002	Dissolved	N	<0.1	<0.003	<0.003	0.04	<0.001	<0.1	0.0001	0.002	--	<0.001	0.33
SW-UTNFDC-950	9/23/2002	Total	N	0.3	<0.003	<0.003	0.05	<0.001	<0.1	0.0001	0.002	--	<0.001	0.55
SP-NFDC-50	10/29/2003	Dissolved	N	<0.0097	We 0.0032	e <0.0004	0.0297	<0.00006	<0.012	<0.00006	B 0.00039	B 0.00036	<0.0026	<0.0045
SP-NFDC-50	10/29/2003	Total	N	e% 0.0319	<0.0006	e <0.0004	e% 0.0296	<0.00006	<0.012	e <0.00006	Be% 0.00057	<0.0003	<0.0026	e% 0.0281
SP-NFDC-700	6/18/2002	Dissolved	N	<0.1	0.004	0.002	<0.1	<0.001	<0.05	0.0001	<0.01	--	<0.01	<0.05
SP-NFDC-700	6/18/2002	Total	N	* <0.1	<0.001	0.001	<0.1	<0.001	<0.05	0.0002	<0.01	--	<0.01	<0.05
SP-NFDC-700	8/7/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	0.0003	<0.01	--	<0.01	<0.01

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SP-NFDC-700	8/7/2002	Total	N	e 0.4	<0.001	0.001	<0.1	<0.001	<0.1	e% 0.0024	<0.01	--	<0.01	e% 2.82
SP-NFDC-700	5/19/2003	Dissolved	N	<0.1	<0.003	0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	<0.03
SP-NFDC-700	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-NFDC-700	8/13/2003	Dissolved	N	<0.0086	B 0.0027	<0.0004	0.0193	<0.00007	B 0.0108	<0.0001	B 0.0016	<0.0004	<0.0011	<0.0035
SP-NFDC-700	8/13/2003	Total	N	* <0.0097	<0.0006	<0.0004	0.018	<0.00006	B 0.0152	<0.0001	B 0.00095	<0.0003	<0.0026	B 0.0082
SP-UTNFDC-400	5/21/2002	Dissolved	N	0.1	<0.001	0.001	<0.1	<0.001	<0.05	0.0006	<0.01	--	<0.01	0.08
SP-UTNFDC-400	5/21/2002	Total	N	2.7	<0.001	0.003	<0.1	0.005	<0.05	0.0046	0.01	--	<0.01	1.96
SP-UTNFDC-400	5/20/2003	Dissolved	N	<0.1	<0.003	0.002	<0.1	<0.001	<0.1	0.0007	0.001	<0.01	<0.01	<0.03
SP-UTNFDC-400	5/20/2003	Total	N	0.2	<0.003	0.002	<0.1	<0.001	<0.1	0.0011	0.003	<0.01	<0.01	0.25
SP-UTNFDC-520	9/24/2002	Dissolved	N	<0.1	<0.003	<0.003	0.03	<0.001	<0.1	<0.0001	0.002	--	<0.001	0.35
SP-UTNFDC-520	9/24/2002	Total	N	* <0.1	<0.003	<0.003	0.03	<0.001	<0.1	<0.0001	0.002	--	<0.001	0.33
SP-UTNFDC-520	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.001	<0.01	<0.01	<0.03
SP-UTNFDC-520	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTNFDC-520	8/13/2003	Dissolved	N	<0.0086	B 0.002	<0.0004	0.0285	<0.00007	B 0.0102	<0.0001	B 0.0012	<0.0004	<0.0011	<0.0035
SP-UTNFDC-520	8/13/2003	Total	N	*B 0.0192	<0.0006	<0.0004	0.0277	<0.00006	B 0.0142	<0.0001	B 0.00047	<0.0003	<0.0026	0.0273
SP-UTNFDC-540	8/13/2003	Dissolved	N	<0.0086	B 0.0021	B 0.00049	0.0188	B 0.00029	<0.0065	0.00096	B 0.0018	B 0.00077	<0.0011	<0.0035
SP-UTNFDC-540	8/13/2003	Total	N	* 0.0236	<0.0006	B 0.0014	0.0189	<0.00006	<0.012	0.004	B 0.0015	<0.0003	<0.0026	0.179
SP-UTNFDC-540	10/28/2003	Dissolved	N	*< 0.0086	BWe% 0.0021	BW 0.0004	0.0193	<0.00007	B 0.0129	0.0016	Be 0.00094	B 0.00054	<0.0011	<0.0035
SP-UTNFDC-540	10/28/2003	Total	N	0.0862	<0.0006	B 0.0011	0.0205	<0.00007	<0.0065	0.0025	B 0.0044	<0.0004	<0.0011	0.146
SP-UTNFDC-540	5/17/2004	Dissolved	N	--	--	--	--	--	--	*0.0019	--	--	--	<0.0124
SP-UTNFDC-540	5/17/2004	Total	N	--	--	--	--	--	--	0.0021	--	--	--	0.0269
SP-UTNFDC-600	8/6/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.01	--	<0.01	0.02
SP-UTNFDC-600	8/6/2002	Total	N	e 0.2	<0.001	<0.001	<0.1	<0.001	<0.1	e% 0.0007	<0.01	--	<0.01	e% 0.55
SP-UTNFDC-600	5/20/2003	Dissolved	N	<0.1	<0.003	0.002	<0.1	<0.001	<0.1	<0.0001	0.002	<0.01	<0.01	<0.03

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BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SP-UTNFDC-600	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTNFDC-600	8/14/2003	Dissolved	N	<0.0097	Be 0.0028	<0.0007	0.0096	<0.00006	<0.012	<0.0001	<0.0003	B 0.00034	<0.0026	e <0.0045
SP-UTNFDC-600	8/14/2003	Total	N	N 0.16	W <0.0006	<0.0007	0.0108	q 0.00013	0.0162	q 0.00014	qe% 0.0017	0.00037	<0.0026	e% 0.309
SP-UTNFDC-600	10/29/2003	Dissolved	N	<0.0097	BWe 0.0027	Be 0.00075	0.0103	<0.00006	<0.012	<0.00006	B 0.0018	B 0.00039	<0.0026	<0.0045
SP-UTNFDC-600	10/29/2003	Total	N	e% 0.025	<0.0006	Be 0.0011	e% 0.01	<0.00006	<0.012	e 0.00022	Be% 0.0022	<0.0003	<0.0026	e% 0.0366
SP-UTNFDC-600	5/18/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SP-UTNFDC-600	5/18/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.412
SP-UTNFDC-600	8/25/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	B 0.0177
SP-UTNFDC-600	8/25/2004	Total	N	--	--	--	--	--	--	0.00026	--	--	--	0.702
SOUTH FORK DEER CREEK														
SW-SFDC-200	5/18/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-SFDC-200	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-SFDC-200	8/13/2003	Dissolved	N	<0.0097	Be 0.0018	<0.0007	0.0251	<0.00006	B 0.0158	<0.0001	<0.0003	<0.0003	<0.0026	e 0.0217
SW-SFDC-200	8/13/2003	Dissolved	D	B 0.0138	<0.0006	<0.0007	0.024	<0.00006	<0.012	<0.0001	<0.0003	B 0.00032	<0.0026	0.0275
SW-SFDC-200	8/13/2003	Total	N	N 0.127	<0.0006	<0.0007	0.0257	<0.00006	<0.012	<0.0001	qe% 0.00045	<0.0003	<0.0026	e% 0.21
SW-SFDC-200	8/13/2003	Total	D	N 0.0901	<0.0006	<0.0007	0.0252	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	0.186
SW-SFDC-200	10/28/2003	Dissolved	N	* 0.0204	BWe% 0.0029	<0.0004	0.0265	<0.00007	<0.0065	<0.00006	e <0.0002	B 0.00066	<0.0011	0.0342
SW-SFDC-200	10/28/2003	Total	N	0.174	<0.0006	<0.0004	0.0285	<0.00007	<0.0065	<0.00006	B 0.00066	<0.0004	<0.0011	0.31
SW-SFDC-300	5/22/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SW-SFDC-300	5/22/2002	Total	N	* <0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.08
SW-SFDC-300	5/18/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	0.002	<0.01	<0.01	<0.03
SW-SFDC-300	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-SFDC-800	5/23/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SW-SFDC-800	5/23/2002	Total	N	* <0.1	0.002	0.001	<0.1	<0.001	<0.05	0.0002	<0.01	--	<0.01	<0.05

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-SFDC-800	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-SFDC-800	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-SFDC-800	5/17/2004	Dissolved	N	--	--	--	--	--	--	*0.00022	--	--	--	<0.0124
SW-SFDC-800	5/17/2004	Total	N	--	--	--	--	--	--	0.0002	--	--	--	<0.0124
SW-SFSC-800	9/28/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-SFSC-800	9/28/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0272
SW-UTSFDC-900	5/19/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-UTSFDC-900	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFDC-500	5/22/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.06
SP-UTSFDC-500	5/22/2002	Total	N	0.1	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.12
SP-UTSFDC-600	10/29/2003	Dissolved	N	<0.0097	BWe 0.0022	e <0.0004	0.0338	<0.00006	<0.012	<0.00006	<0.0003	B 0.00057	<0.0026	<0.0045
SP-UTSFDC-600	10/29/2003	Total	N	e% 0.037	<0.0006	e <0.0004	e% 0.0338	<0.00006	<0.012	e <0.00006	Be% 0.0003	<0.0003	<0.0026	e% 0.0275
WELLS CANYON														
SW-WC-800	5/18/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-WC-800	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-WC-800	8/12/2003	Dissolved	N	<0.0097	Be 0.0029	<0.0007	0.0341	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	Be 0.0053
SW-WC-800	8/12/2003	Dissolved	D	B 0.0117	B 0.0018	<0.0007	0.0344	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	B 0.006
SW-WC-800	8/12/2003	Total	N	Ne% 0.146	<0.0006	<0.0007	0.0373	<0.00006	<0.012	q 0.00018	Be% 0.00086	<0.0003	<0.0026	e% 0.135
SW-WC-800	8/12/2003	Total	D	N 0.37	<0.0006	<0.0007	0.0377	<0.00006	<0.012	0.0002	B 0.0016	<0.0003	<0.0026	0.266
SW-WC-800	10/28/2003	Dissolved	N	*< 0.0086	Be% 0.0028	<0.0004	0.0334	<0.00007	<0.0065	<0.00006	Be 0.00066	B 0.00056	<0.0011	<0.0035
SW-WC-800	10/28/2003	Total	N	0.154	<0.0006	B 0.00045	0.0353	<0.00007	<0.0065	M 0.00012	B 0.0014	<0.0004	<0.0011	0.0908
SW-WC-800	5/19/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-WC-800	5/19/2004	Dissolved	D	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-WC-800	5/19/2004	Total	N	--	--	--	--	--	--	0.00021	--	--	--	e% 0.383

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BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-WC-800	5/19/2004	Total	D	--	--	--	--	--	--	0.00023	--	--	--	0.408
SW-WC-800	8/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-WC-800	8/24/2004	Total	N	--	--	--	--	--	--	0.00013	--	--	--	0.263
SP-UTWC-300	5/23/2002	Dissolved	N	0.3	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.15
SP-UTWC-300	5/23/2002	Total	N	0.4	<0.001	<0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	0.29
SP-UTWC-300	5/18/2003	Dissolved	N	0.2	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	0.08
SP-UTWC-300	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-WC-400	5/20/2002	Dissolved	N	<0.1	<0.001	0.001	<0.1	<0.001	<0.05	<0.0001	<0.01	--	<0.01	<0.05
SP-WC-400	5/20/2002	Total	N	0.4	0.002	0.003	<0.1	<0.001	<0.05	0.0007	<0.01	--	<0.01	0.29
SP-WC-400	8/8/2002	Dissolved	N	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	0.0002	<0.01	--	<0.01	0.03
SP-WC-400	8/8/2002	Dissolved	D	<0.1	<0.001	<0.001	<0.1	<0.001	<0.1	0.0001	<0.01	--	<0.01	0.03
SP-WC-400	8/8/2002	Total	N	e 0.1	<0.001	<0.001	<0.1	<0.001	<0.1	e% 0.0011	<0.01	--	<0.01	e% 0.72
SP-WC-400	8/8/2002	Total	D	0.3	<0.001	0.001	<0.1	<0.001	<0.1	0.0006	<0.01	--	<0.01	0.35
SP-WC-400	5/18/2003	Dissolved	N	<0.1	<0.003	0.002	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SP-WC-400	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-WC-400	8/13/2003	Dissolved	N	<0.0097	Be 0.0021	<0.0007	0.0177	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	Be 0.0055
SP-WC-400	8/13/2003	Total	N	N 0.888	W <0.0006	0.0011	0.0241	q 0.00008	<0.012	q 0.00081	qe% 0.0064	0.00041	<0.0026	e% 0.616
SP-WC-400	10/28/2003	Dissolved	N	*B 0.015	e% 0.0038	<0.0004	0.0185	<0.00007	<0.0065	<0.00006	Be 0.00075	<0.0004	<0.0011	<0.0035
SP-WC-400	10/28/2003	Dissolved	D	<0.0086	B 0.00071	<0.0004	0.0187	<0.00007	<0.0065	<0.00006	B 0.00098	<0.0004	<0.0011	<0.0035
SP-WC-400	10/28/2003	Total	N	0.77	<0.0006	B 0.00045	0.0247	<0.00007	<0.0065	0.00083	B 0.0057	<0.0004	<0.0011	0.581
SP-WC-400	10/28/2003	Total	D	--	--	--	--	--	--	--	--	--	--	--
SP-WC-400	5/17/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SP-WC-400	5/17/2004	Total	N	--	--	--	--	--	--	0.00022	--	--	--	0.147
SP-WC-400	8/25/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124

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BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SP-WC-400	8/25/2004	Total	N	--	--	--	--	--	--	0.0037	--	--	--	3.1
SP-WC-750	6/5/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-WC-750	6/5/2003	Total	N	* <0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SP-WC-750	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SP-WC-750	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SP-WC-750	8/14/2003	Dissolved	N	<0.0097	Be 0.0013	<0.0007	0.0244	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	e <0.0045
SP-WC-750	8/14/2003	Total	N	Ne% <0.0097	W <0.0006	<0.0007	0.0243	<0.00006	<0.012	<0.0001	qe% 0.00094	<0.0003	<0.0026	e% <0.0045
DIAMOND CREEK														
SW-DMC-200	5/18/2003	Dissolved	N	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	<0.01	<0.03
SW-DMC-200	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
SW-DMC-200	8/14/2003	Dissolved	N	<0.0097	e <0.0006	<0.0007	0.0148	<0.00006	<0.012	<0.0001	<0.0003	B 0.00041	<0.0026	e <0.0045
SW-DMC-200	8/14/2003	Dissolved	D	<0.0097	B 0.00088	<0.0007	0.0146	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	<0.0026	<0.0045
SW-DMC-200	8/14/2003	Total	N	N 0.0314	<0.0006	<0.0007	0.015	<0.00006	<0.012	<0.0001	qe% 0.00042	<0.0003	<0.0026	e% 0.023
SW-DMC-200	8/14/2003	Total	D	N 0.0238	<0.0006	<0.0007	0.015	<0.00006	<0.012	<0.0001	0.00034	<0.0003	<0.0026	0.0228
STEWART CANYON														
SW-ST-500	8/15/2003	Dissolved	N	<0.0097	W <0.0006	<0.0004	0.0088	<0.00006	<0.012	<0.0001	B 0.0012	<0.0003	<0.0026	<0.0045
SW-ST-500	8/15/2003	Total	N	0.04	W <0.0006	<0.0004	0.0093	<0.00006	<0.012	0.00041	B 0.0014	<0.0003	<0.0026	* 0.0868
SW-ST-500	5/18/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-ST-500	5/18/2004	Total	N	--	--	--	--	--	--	0.00021	--	--	--	0.106
SW-ST-500	8/26/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-ST-500	8/26/2004	Total	N	--	--	--	--	--	--	0.00048	--	--	--	0.222
SW-ST-700	8/26/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-ST-700	8/26/2004	Dissolved	D	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SW-ST-700	8/26/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	B 0.0163

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BASELINE STUDY

Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-ST-700	8/26/2004	Total	D	--	--	--	--	--	--	<0.0001	--	--	--	0.0204
SP-ST-100	8/15/2003	Dissolved	N	<0.0097	BW 0.00073	<0.0004	0.022	<0.00006	<0.012	<0.0001	B 0.00094	B 0.00065	<0.0026	<0.0045
SP-ST-100	8/15/2003	Total	N	* <0.0097	<0.0006	<0.0004	0.0224	<0.00006	<0.012	<0.0001	B 0.00072	<0.0003	<0.0026	*< 0.0045
SP-ST-100	5/18/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SP-ST-100	5/18/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-ST-100	8/26/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-ST-100	8/26/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-ST-200	8/15/2003	Dissolved	N	<0.0097	W <0.0006	<0.0004	0.0222	<0.00006	<0.012	<0.0001	B 0.001	B 0.00049	<0.0026	<0.0045
SP-ST-200	8/15/2003	Total	N	* <0.0097	W <0.0006	<0.0004	0.022	<0.00006	<0.012	<0.0001	B 0.0009	<0.0003	<0.0026	*B 0.0089
SP-ST-200	5/18/2004	Dissolved	N	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SP-ST-200	5/18/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	0.0273
SP-ST-200	8/26/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	--	<0.0124
SP-ST-200	8/26/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	--	B 0.0193
LAMB CANYON														
SW-LC-500	8/15/2003	Dissolved	N	<0.0097	BW 0.00082	<0.0004	0.0152	B 0.00011	B 0.0122	<0.0001	B 0.0016	B 0.00035	<0.0026	<0.0045
SW-LC-500	8/15/2003	Total	N	0.0679	W <0.0006	<0.0004	0.0159	<0.00006	<0.012	0.00042	B 0.0017	<0.0003	B 0.0029	* 0.111
CLEAR CREEK														
SW-CL-800	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SW-CL-800	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
WHITE DUGWAY CREEK														
SW-WD-800	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--
SW-WD-800	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
WARM CREEK														
SW-WM-800	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--

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Site	Sample Date	Type	QC	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**NE**	**4.3**	**0.05**	**NE**	**NE**	**NE**	**0.001h**	**0.01+**	**NE**	**0.011h**	**NE**
SW-WM-800	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--
PRESERVATIVE BLANK														
SW-OC-200	5/20/2003	Dissolved	B	<0.1	<0.003	<0.001	<0.1	<0.001	<0.1	<0.0001	<0.001	<0.01	0.02	<0.03
SW-OC-200	5/20/2003	Total	B	--	--	--	--	--	--	--	--	--	--	--
SW-OC-200	8/14/2003	Dissolved	B	<0.0097	<0.0006	<0.0007	<0.0005	<0.00006	<0.012	<0.0001	<0.0003	<0.0003	0.0192	<0.0045
SW-OC-200	8/14/2003	Total	B	N <0.0097	<0.0006	<0.0007	<0.0005	0.00007	<0.012	M 0.00011	0.0003	<0.0003	0.0211	<0.0045
SW-OC-200	10/30/2003	Dissolved	B	--	--	--	--	--	--	--	--	--	--	--
SW-OC-200	10/30/2003	Total	B	* <0.0097	<0.0003	WN <0.0006	<0.0005	<0.00006	<0.012	0.00011	B 0.00051	<0.0003	0.0188	*< 0.0045
SW-OC-200	5/19/2004	Dissolved	B	--	--	--	--	--	--	*<0.0001	--	--	--	<0.0124
SW-OC-200	5/19/2004	Total	B	--	--	--	--	--	--	<0.0001	--	--	--	e% <0.0124

Notes:

B	Not detected above quantitation limit but present above method detection limit (SVL).
D	Field duplicate sample
J	Estimated value (Northern Analytical).
N	Located in the QC column indicates natural sample.
N	Located in analyte column indicates percent recovery not within control limits 75-125% (
NE	Not Established
M	Duplicate precision goal not met (SVL).
W	Post-digestion spike recovery out of control limits 85-115% (SVL).
<	Indicates analyte not detected above laboratory practical quantification limit (PQL).
(mg/L)	Milligrams per liter
*	Dulicate analysis not within control limits (SVL).
(1)	Verified by a second analysis (Northern Analytical).
--	Field data or laboratory samples were not collected or analyzed.
H	Sample analyzed out of holding time.
e	Field duplicate results exceed acceptable limits - PQL based determination.
e%	Field duplicate results exceed acceptable limits - relative percent difference determination.
q	Associated values are estimates - field blank showed evidence of contamination.
**	The surface water standards value is the lowest concentration for cold water biota for Criteria Maximum Concentration (CMC), Criteria Continuous Concentration (CCC), or human consumption of organisms. Standards from IDAPA 58.01.02.210 + 250. For Idaho, water quality standards are based on the dissolved fraction for metals in surface water (except total fraction for selenium and mercury as CCC). Standard values followed by an "h" indicate the aquatic life criteria are expressed as a function of total hardness and water effect ratio (WER). Hardness dependent standards are calculated for each watershed based on the average observed hardness. Standards shown are based on hardness of 100 mg/L.
	Shading indicates results above Idaho DEQ Standards, regardless of physical state (Total or Dissolved).
+	Chromium standard of 0.01 mg/l is for Chromium VI; the chromium III standard is 0.18 mg/l for CCC and is hardness dependent.

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
CROW CREEK															
SW-CC-50	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-CC-50	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-CC-50	5/19/2004	Dissolved	N	<0.0007	0.0394	<0.0002	--	<0.0013	B 0.00051	--	--	--	--	--	B 0.0014
SW-CC-50	5/19/2004	Total	N	B 0.001	0.0478	<0.0002	--	<0.0013	Be% 0.00051	--	--	--	--	--	B 0.003
SW-CC-50	8/24/2004	Dissolved	N	B 0.00063	0.0269	<0.0001	--	0.013	N< 0.0003	--	--	--	--	--	Be 0.00097
SW-CC-50	8/24/2004	Total	N	<0.0004	0.033	<0.0001	--	<0.0013	Be 0.0003	--	--	--	--	--	B 0.0016
SW-CC-100	8/15/2003	Dissolved	N	W <0.0003	0.0071	<0.0001	0.011	<0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.0019	<0.0018
SW-CC-100	8/15/2003	Total	N	<0.0003	0.0102	<0.0001	0.0086	<0.001	BN 0.00028	--	--	<0.0001	<0.0003	B 0.002	<0.0018
SW-CC-100	10/29/2003	Dissolved	N	<0.0004	0.0077	<0.0001	0.0087	B 0.0023	B 0.0005	--	--	<0.0001	<0.0003	B 0.0018	0.0018
SW-CC-100	10/29/2003	Dissolved	D	<0.0004	0.0064	<0.0001	B 0.0079	B 0.0025	B 0.00068	--	--	<0.0001	<0.0003	B 0.0016	0.0018
SW-CC-100	10/29/2003	Total	N	B 0.00069	e% 0.0774	<0.0001	0.0096	<0.001	Be 0.00097	<0.0002	Be 0.00097	<0.0001	<0.0003	Be% 0.0039	e% 0.0095
SW-CC-100	10/29/2003	Total	D	<0.0004	0.0096	<0.0001	0.0102	<0.001	B 0.00075	<0.0002	B 0.00075	<0.0001	W <0.0003	B 0.0018	<0.0018
SW-CC-100	5/19/2004	Dissolved	N	<0.0007	0.0052	<0.0002	--	<0.0013	B 0.00092	--	--	--	--	--	<0.0002
SW-CC-100	5/19/2004	Total	N	B 0.001	0.0185	<0.0002	--	<0.0013	Be% 0.00097	--	--	--	--	--	B 0.002
SW-CC-100	8/24/2004	Dissolved	N	<0.0004	0.0057	<0.0001	--	0.0166	BN 0.00078	--	--	--	--	--	Be 0.0013
SW-CC-100	8/24/2004	Total	N	<0.0004	0.0155	<0.0001	--	<0.0013	Be 0.00097	--	--	--	--	--	B 0.0012
SW-CC-300	5/20/2003	Dissolved	N	<0.002	e <0.01	<0.0001	<0.005	<0.01	e 0.001	<0.001	e 0.001	<0.001	<0.002	<0.005	e <0.01
SW-CC-300	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-CC-300	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-CC-300	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-CC-300	8/12/2003	Dissolved	N	e <0.0003	e 0.0074	<0.0001	0.0101	B 0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.0019	<0.0018
SW-CC-300	8/12/2003	Total	N	Be% 0.00083	0.0175	<0.0001	q 0.0114	<0.001	--	--	--	N 0.0001	<0.0005	B 0.0021	<0.0018
SW-CC-300	5/19/2004	Dissolved	N	<0.0007	0.0131	<0.0002	--	<0.0013	B 0.00067	--	--	--	--	--	B 0.0034

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-CC-300	5/19/2004	Total	N	B 0.001	0.021	<0.0002	--	<0.0013	Be% 0.00048	--	--	--	--	--	B 0.0022
SW-CC-300	8/24/2004	Dissolved	N	W <0.0004	0.0072	<0.0001	--	B 0.0097	BN 0.00037	--	--	--	--	--	e <0.0002
SW-CC-300	8/24/2004	Total	N	<0.0004	0.0117	<0.0001	--	<0.0013	Be 0.00063	--	--	--	--	--	<0.0002
SW-CC-800	5/20/2003	Dissolved	N	<0.002	e 0.01	<0.0001	<0.005	<0.01	e 0.002	<0.001	e 0.002	<0.001	<0.002	<0.005	e <0.01
SW-CC-800	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-CC-800	8/15/2003	Dissolved	N	<0.0003	0.0032	<0.0001	0.013	<0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.002	<0.0018
SW-CC-800	8/15/2003	Total	N	<0.0003	0.0215	<0.0001	0.0097	<0.001	N <0.0002	--	--	N <0.0001	<0.0003	B 0.0021	<0.0018
SW-CC-800	5/19/2004	Dissolved	N	<0.0007	0.022	<0.0002	--	<0.0013	B 0.00078	--	--	--	--	--	B 0.0025
SW-CC-800	5/19/2004	Dissolved	D	<0.0007	0.0213	<0.0002	--	<0.0013	B 0.00079	--	--	--	--	--	B 0.0018
SW-CC-800	5/19/2004	Total	N	B 0.00082	0.0299	<0.0002	--	<0.0013	Be% 0.00081	--	--	--	--	--	B 0.001
SW-CC-800	5/19/2004	Total	D	B 0.00082	0.0297	<0.0002	--	<0.0013	B 0.00031	--	--	--	--	--	B 0.00096
SW-CC-800	8/24/2004	Dissolved	N	<0.0004	<0.001	<0.0001	--	0.0107	BN 0.00076	--	--	--	--	--	e <0.0002
SW-CC-800	8/24/2004	Total	N	<0.0004	0.0054	<0.0001	--	<0.0013	e 0.0017	--	--	--	--	--	<0.0002
SP-UTCC-50	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTCC-50	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-RIEDE	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-RIEDE	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	6/5/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	6/5/2003	Total	N	<0.002	0.02	<0.0002	<0.005	<0.01	--	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SP-BOOKS	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-BOOKS	8/14/2003	Dissolved	N	Be 0.0007	e 0.0236	<0.0001	0.0113	<0.001	<0.0002	--	--	W <0.0001	<0.0005	B 0.0011	B 0.0021
SP-BOOKS	8/14/2003	Total	N	qe% 0.00062	0.0211	<0.0001	q 0.0113	<0.001	--	--	--	N <0.0001	<0.0005	0.00096	<0.0018
SP-BOOKS	5/19/2004	Dissolved	N	<0.0007	0.0035	<0.0002	--	<0.0013	B 0.00062	--	--	--	--	--	B 0.002

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SP-BOOKS	5/19/2004	Total	N	B 0.001	0.0024	<0.0002	--	<0.0013	e%B 0.00058	--	--	--	--	--	B 0.0012
SP-BOOKS	8/24/2004	Dissolved	N	<0.0004	<0.001	<0.0001	--	0.0112	BN 0.00082	--	--	--	--	--	Be 0.001
SP-BOOKS	8/24/2004	Dissolved	D	B 0.00043	B 0.0011	<0.0001	--	0.011	BN 0.00051	--	--	--	--	--	<0.0002
SP-BOOKS	8/24/2004	Total	N	<0.0004	<0.001	<0.0001	--	<0.0013	Be 0.00093	--	--	--	--	--	<0.0002
SP-BOOKS	8/24/2004	Total	D	<0.0004	<0.001	<0.0001	--	<0.0013	B 0.00072	--	--	--	--	--	<0.0002
SP-CC-500	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-CC-500	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-QH-800	10/30/2003	Dissolved	N	<0.0004	0.0563	<0.0001	0.0108	<0.001	B 0.00077	--	--	<0.0001	<0.0003	B 0.0014	<0.0018
SP-QH-800	10/30/2003	Total	N	B 0.0018	q 0.128	<0.0001	q 0.0125	<0.001	B 0.00099	<0.0002	B 0.00099	<0.0001	<0.0003	B 0.0038	q 0.01
SOUTH FORK SAGE CREEK															
SW-SFSC-200	5/20/2003	Dissolved	N	<0.002	e <0.01	<0.0001	<0.005	<0.01	e <0.001	<0.001	e <0.001	<0.001	<0.002	<0.005	e <0.01
SW-SFSC-200	5/20/2003	Total	N	<0.002	<0.01	0.0002	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-SFSC-200	8/12/2003	Dissolved	N	<0.0003	B 0.0018	N <0.0001	B 0.0053	<0.0011	<0.0002	--	--	W <0.0001	B 0.00034	B 0.00042	<0.0017
SW-SFSC-200	8/12/2003	Total	N	B 0.00065	B 0.0018	<0.0001	0.0104	<0.001	<0.0002	<0.0002	<0.0002	W <0.0001	B 0.00035	B 0.00025	<0.0018
SW-SFSC-500	5/20/2002	Dissolved	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SW-SFSC-500	5/20/2002	Total	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SW-SFSC-500	8/12/2003	Dissolved	N	<0.0003	B 0.0011	N <0.0001	B 0.0049	<0.0011	<0.0002	--	--	W <0.0001	B 0.00034	B 0.00057	<0.0017
SW-SFSC-500	8/12/2003	Total	N	B 0.00073	0.004	<0.0001	0.0106	<0.001	<0.0002	--	--	W <0.0001	<0.0003	B 0.00036	<0.0018
SW-SFSC-800	8/12/2003	Dissolved	N	<0.0003	0.0027	N <0.00025	B 0.006	<0.0011	B 0.00024	--	--	W <0.0001	<0.0003	B 0.0015	<0.0017
SW-SFSC-800	8/12/2003	Total	N	B 0.00073	0.0064	<0.0001	0.0133	<0.001	B 0.00053	<0.0002	B 0.00053	W <0.0001	<0.0003	B 0.0015	<0.0018
SW-SFSC-800	5/18/2004	Dissolved	N	<0.001	B 0.0012	<0.0002	--	B 0.004	0.0021	--	--	--	--	--	B 0.0008
SW-SFSC-800	5/18/2004	Total	N	W <0.001	0.0034	<0.0002	--	<0.0013	0.0021	--	--	--	--	--	B 0.0017
SP-SFSC-100	10/28/2003	Dissolved	N	<0.0004	B 0.0018	<0.0001	B 0.0069	<0.0011	<0.0002	--	--	<0.0001	<0.0003	B 0.00043	<0.0017
SP-SFSC-100	10/28/2003	Total	N	B 0.00057	0.0023	<0.0001	B 0.0074	<0.0011	<0.0002	<0.0002	<0.0002	<0.0001	<0.0003	B 0.00051	<0.0017

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SP-UTSFSC-100	5/21/2002	Dissolved	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SP-UTSFSC-100	5/21/2002	Total	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SP-UTSFSC-100	8/6/2002	Dissolved	N	0.004	<0.02	JH <0.0005	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	e <0.02
SP-UTSFSC-100	8/6/2002	Total	N	<0.001	e <0.02	JH <0.0005	--	<0.02	0.001	<0.001	e% <0.001	<0.001	<0.002	<0.005	0.03
SP-UTSFSC-100	5/20/2003	Dissolved	N	<0.002	e <0.01	<0.0001	<0.005	<0.01	e <0.001	<0.001	e <0.001	<0.001	<0.002	<0.005	e <0.01
SP-UTSFSC-100	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFSC-100	8/12/2003	Dissolved	N	Be 0.00031	e 0.0121	<0.0001	0.0103	B 0.0015	<0.0002	--	--	<0.0001	<0.0005	B 0.00043	<0.0018
SP-UTSFSC-100	8/12/2003	Total	N	qe% 0.0021	0.122	<0.0001	q 0.0112	<0.001	B 0.00026	<0.0002	B 0.00026	N <0.0001	<0.0005	B 0.0017	q 0.0069
SP-UTSFSC-200	9/23/2002	Dissolved	N	<0.003	<0.005	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SP-UTSFSC-200	9/23/2002	Total	N	<0.003	0.039	<0.0002	--	<0.02	0.002	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SP-UTSFSC-200	5/20/2003	Dissolved	N	<0.002	e 0.04	<0.0001	<0.005	<0.01	e <0.001	<0.001	e <0.001	<0.001	<0.002	<0.005	e <0.01
SP-UTSFSC-200	5/20/2003	Dissolved	D	<0.002	<0.01	<0.0001	<0.005	<0.01	0.005	<0.001	0.005	<0.001	<0.002	<0.005	0.03
SP-UTSFSC-200	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFSC-200	5/20/2003	Total	D	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFSC-200	8/12/2003	Dissolved	N	e <0.0003	e 0.0058	<0.0001	0.0113	<0.001	<0.0002	--	--	<0.0001	<0.0005	<0.0002	<0.0018
SP-UTSFSC-200	8/12/2003	Total	N	Be% 0.0012	0.0174	<0.0001	q 0.013	<0.001	<0.0002	<0.0002	<0.0002	N <0.0001	<0.0005	B 0.00027	<0.0018
SP-UTSFSC-200	10/29/2003	Dissolved	N	<0.0004	0.0062	<0.0001	0.0114	B 0.0016	<0.0002	--	--	<0.0001	<0.0002	<0.0002	0.0018
SP-UTSFSC-200	10/29/2003	Total	N	<0.0004	e% 0.0114	<0.0001	0.0101	<0.001	e <0.0002	<0.0002	e <0.0002	<0.0001	<0.0003	e% <0.0002	e% <0.0018
SP-SFSC-750	7/28/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-SFSC-750	7/28/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-SFSC-750	8/12/2003	Dissolved	N	<0.0003	<0.0003	N <0.0005	B 0.007	<0.0011	<0.0002	--	--	W <0.0001	<0.0003	B 0.0017	<0.0017
SP-SFSC-750	8/12/2003	Total	N	B 0.00058	B 0.0011	<0.0001	0.013	<0.001	0.001	<0.0002	0.001	W <0.0001	<0.0003	B 0.0015	<0.0018
SP-SFSC-750	9/28/2004	Dissolved	N	W <0.0004	B 0.0011	<0.0002	--	B 0.0066	--	0.0017	--	--	--	--	B 0.00031
SP-SFSC-750	9/28/2004	Total	N	<0.0004	0.0034	<0.0002	--	<0.0013	0.0018	--	--	--	--	--	<0.0002

TABLE A-3
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ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SP-SFSC-750	10/13/2004	Dissolved	N	B 0.0011	B 0.0019	<0.0002	--	<0.0013	B 0.0008	--	--	--	--	--	S 0.0076
SP-SFSC-750	10/13/2004	Total	N	B 0.00069	0.0024	<0.0002	--	<0.0013	0.001	--	--	--	--	--	B 0.0023
SP-HOOPES	7/28/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-HOOPES	7/28/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTSC-850	5/18/2004	Dissolved	N	<0.001	0.119	<0.0002	--	B 0.0076	0.008	--	--	--	--	--	B 0.0021
SP-UTSC-850	5/18/2004	Total	N	W <0.001	0.14	--	--	<0.0013	0.0084	--	--	--	--	--	B 0.0037
SP-UTSC-850	9/28/2004	Dissolved	N	<0.0004	0.0298	<0.0002	--	B 0.0068	--	B0.00053	--	--	--	--	B 0.00036
SP-UTSC-850	9/28/2004	Total	N	W <0.0004	0.036	<0.0002	--	<0.0013	B 0.00073	--	--	--	--	--	B 0.0017
MANNING CREEK															
SP-MC-300	5/21/2002	Dissolved	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SP-MC-300	5/21/2002	Total	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SP-MC-300	5/20/2003	Dissolved	N	<0.002	e <0.01	<0.0001	<0.005	<0.01	e <0.001	<0.001	e <0.001	<0.001	<0.002	<0.005	e <0.01
SP-MC-300	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-MC-300	8/25/2004	Dissolved	N	<0.0004	0.221	<0.0001	--	0.0104	N< 0.0003	--	--	--	--	--	e <0.0002
SP-MC-300	8/25/2004	Total	N	0.0265	2.22	B 0.00013	--	0.0244	e 0.0016	--	--	--	--	--	0.189
DEER CREEK															
SW-DC-200	5/18/2003	Dissolved	N	<0.002	0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-DC-200	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-DC-200	8/14/2003	Dissolved	N	Be 0.0007	e 0.01	<0.0001	0.0096	<0.001	<0.0002	--	--	W <0.0001	<0.0005	B 0.00055	<0.0018
SW-DC-200	8/14/2003	Total	N	qe% 0.00083	0.0121	<0.0001	q 0.0107	<0.001	--	--	--	N <0.0001	<0.0005	0.00059	<0.0018
SW-DC-200	5/20/2004	Dissolved	N	<0.0007	B 0.0012	<0.0002	--	<0.0013	0.0015	--	--	--	--	--	B 0.00097
SW-DC-200	5/20/2004	Total	N	B 0.00082	0.0033	<0.0002	--	<0.0013	Be% 0.0016	--	--	--	--	--	B 0.001
SW-DC-200	8/25/2004	Dissolved	N	<0.0004	0.0142	B 0.00018	--	0.0126	N 0.0012	--	--	--	--	--	Be 0.00031
SW-DC-200	8/25/2004	Total	N	<0.0004	0.0284	<0.0001	--	<0.0013	e 0.0016	--	--	--	--	--	B 0.0013

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-DC-300	5/22/2002	Dissolved	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SW-DC-300	5/22/2002	Total	N	<0.001	0.03	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	0.04
SW-DC-300	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-DC-300	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-DC-400	5/22/2002	Dissolved	N	0.002	<0.02	e <0.0002	--	<0.02	0.001	<0.001	<0.001	<0.001	<0.002	<0.005	0.64
SW-DC-400	5/22/2002	Total	N	<0.001	<0.02	<0.0002	--	<0.02	0.002	<0.001	0.001	<0.001	<0.002	<0.005	<0.02
SW-DC-400	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.01
SW-DC-400	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-DC-400	5/17/2004	Dissolved	N	W <0.001	B 0.0011	<0.0002	--	B 0.0054	0.0011	--	--	--	--	--	B 0.0034
SW-DC-400	5/17/2004	Total	N	W <0.001	B 0.0015	<0.0002	--	<0.0013	0.0011	--	--	--	--	--	B 0.003
SW-DC-500	5/23/2002	Dissolved	N	<0.001	<0.02	e 0.0005	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SW-DC-500	5/23/2002	Dissolved	D	<0.001	<0.02	<0.0002	--	<0.02	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.02
SW-DC-500	5/23/2002	Total	N	0.001	<0.02	0.001	--	<0.02	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.02
SW-DC-500	5/23/2002	Total	D	<0.001	<0.02	<0.0002	--	<0.02	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.02
SW-DC-500	8/7/2002	Dissolved	N	0.004	<0.02	JH <0.0005	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	e 0.05
SW-DC-500	8/7/2002	Total	N	0.001	e 0.02	JH <0.0005	--	<0.02	0.002	<0.001	e% 0.001	<0.001	<0.002	<0.005	0.1
SW-DC-500	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.01
SW-DC-500	5/19/2003	Total	N	0.003	0.02	0.0002	<0.005	<0.01	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.01
SW-DC-500	8/13/2003	Dissolved	N	W <0.0003	0.0155	N <0.0001	B 0.0068	<0.0011	<0.0002	--	--	<0.0001	B 0.00034	B 0.0014	<0.0017
SW-DC-500	8/13/2003	Total	N	B 0.0014	0.0822	<0.0001	0.0124	<0.001	B 0.0007	<0.0002	B 0.0007	<0.0001	<0.0003	B 0.0017	B 0.0031
SW-DC-500	10/28/2003	Dissolved	N	<0.0004	0.0048	<0.0001	0.0095	<0.0011	0.00093	--	--	<0.0001	W <0.0003	B 0.0014	B 0.0034
SW-DC-500	10/28/2003	Total	N	B 0.00046	0.0118	<0.0001	0.0095	<0.0011	B 0.0011	<0.0002	0.0011	<0.0001	<0.0003	B 0.0012	<0.0017
SW-DC-500	5/17/2004	Dissolved	N	<0.001	0.0036	<0.0002	--	B 0.0053	0.0012	--	--	--	--	--	B 0.0021
SW-DC-500	5/17/2004	Total	N	<0.001	0.0351	--	--	<0.0013	0.0012	--	--	--	--	--	B 0.005

TABLE A-3
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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-DC-500	8/26/2004	Dissolved	N	<0.0004	0.0086	<0.0001	--	0.0131	BN 0.00055	--	--	--	--	--	Be 0.0003
SW-DC-500	8/26/2004	Total	N	<0.0004	0.0546	<0.0001	--	<0.0013	Be 0.00072	--	--	--	--	--	B 0.0026
SW-DC-800	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.002	<0.001	0.002	<0.001	<0.002	<0.005	<0.01
SW-DC-800	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-DC-800	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-DC-800	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-DC-800	8/12/2003	Dissolved	N	e <0.0003	e 0.0098	<0.0001	0.0113	<0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.0024	<0.0018
SW-DC-800	8/12/2003	Total	N	Be% 0.001	0.0184	<0.0001	q 0.0126	<0.001	0.0012	0.00032	B 0.00093	<0.0001	<0.0005	B 0.0026	<0.0018
SW-DC-800	10/30/2003	Dissolved	N	B 0.00053	0.0144	<0.0001	0.0129	<0.001	0.0018	--	--	<0.0001	<0.0003	B 0.0013	<0.0018
SW-DC-800	10/30/2003	Total	N	B 0.00043	q 0.0173	<0.0001	q 0.0128	<0.001	q 0.0018	--	--	<0.0001	<0.0003	B 0.0016	<0.0018
SW-DC-800	5/19/2004	Dissolved	N	W <0.0007	0.0126	<0.0002	--	<0.0013	0.0018	--	--	--	--	--	B 0.0017
SW-DC-800	5/19/2004	Total	N	<0.0007	0.0186	<0.0002	--	<0.0013	Be% 0.0017	--	--	--	--	--	B 0.0013
SW-DC-800	8/24/2004	Dissolved	N	B 0.00045	0.0098	<0.0001	--	0.0129	N 0.0012	--	--	--	--	--	e <0.0002
SW-DC-800	8/24/2004	Total	N	<0.0004	0.0181	<0.0001	--	<0.0013	e 0.0015	--	--	--	--	--	B 0.00041
SP-DC-100	10/29/2003	Dissolved	N	<0.0004	0.0053	<0.0001	0.0134	0.0103	0.003	--	--	<0.0001	<0.0003	B 0.0042	0.0501
SP-DC-100	10/29/2003	Total	N	<0.0004	Be% 0.0016	<0.0001	0.0139	<0.001	e 0.0034	--	--	<0.0001	W <0.0003	Be% 0.0046	e% 0.0487
SP-DC-350	8/8/2002	Dissolved	N	<0.001	<0.02	JH <0.0005	--	<0.02	0.006	<0.001	0.003	<0.001	<0.002	<0.005	e 0.08
SP-DC-350	8/8/2002	Total	N	<0.001	e <0.02	JH <0.0005	--	<0.02	0.006	<0.001	e% 0.004	<0.001	<0.002	<0.005	0.1
SP-DC-350	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.002	<0.001	0.002	<0.001	<0.002	<0.005	<0.01
SP-DC-350	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-DC-350	8/13/2003	Dissolved	N	e <0.0003	e 0.0037	<0.0001	0.0095	B 0.0052	B 0.00029	--	--	<0.0001	<0.0005	B 0.0031	q 0.028
SP-DC-350	8/13/2003	Total	N	qe% 0.00042	0.0013	<0.0001	q 0.011	<0.001	0.0035	<0.0002	0.0035	N <0.0001	<0.0005	0.0033	q 0.0256
SP-DC-350	5/17/2004	Dissolved	N	<0.001	<0.001	<0.0002	--	B 0.0075	0.0028	--	--	--	--	--	0.0108
SP-DC-350	5/17/2004	Total	N	W <0.001	0.0022	<0.0002	--	<0.0013	0.0029	--	--	--	--	--	0.193

TABLE A-3
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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SP-DC-350	8/25/2004	Dissolved	N	<0.0004	<0.001	<0.0001	--	0.0165	N 0.0028	--	--	--	--	--	e 0.0269
SP-DC-350	8/25/2004	Total	N	<0.0004	0.0401	<0.0001	--	0.0103	e 0.0045	--	--	--	--	--	0.0652
SP-UTDC-700	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.01	<0.001	0.01	<0.001	<0.002	0.016	0.01
SP-UTDC-700	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTDC-700	8/14/2003	Dissolved	N	e <0.0003	e 0.0101	<0.0001	B 0.0062	B 0.0043	B 0.00039	--	--	<0.0001	<0.0005	0.0134	<0.0018
SP-UTDC-700	8/14/2003	Total	N	qe% 0.0011	0.0376	<0.0001	q 0.0071	0.0133	--	--	--	<0.0001	<0.0005	0.0197	q 0.0797
SP-UTDC-700	10/28/2003	Dissolved	N	<0.0004	0.188	<0.0001	0.0097	B 0.0013	0.0037	--	--	W <0.0001	W <0.0003	0.0093	0.0079
SP-UTDC-700	10/28/2003	Total	N	0.0036	0.294	<0.0001	0.0105	0.0266	0.0068	--	--	B 0.00057	B 0.00034	0.032	0.225
SP-UTDC-700	5/17/2004	Dissolved	N	<0.001	B 0.0013	<0.0002	--	0.0199	0.0073	--	--	--	--	--	0.0606
SP-UTDC-700	5/17/2004	Total	N	<0.001	0.0192	<0.0002	--	0.0145	0.0075	--	--	--	--	--	0.0763
SP-UTDC-700	8/26/2004	Dissolved	N	W <0.0004	0.0067	<0.0001	--	0.0323	N 0.003	--	--	--	--	--	0.0815
SP-UTDC-700	8/26/2004	Total	N	0.0032	0.66	0.00027	--	0.29	e 0.0078	--	--	--	--	--	1.15
SP-UTDC-800	9/25/2002	Dissolved	N	<0.003	<0.005	<0.0002	--	<0.02	0.002	0.002	<0.001	<0.0005	<0.002	<0.05	0.06
SP-UTDC-800	9/25/2002	Total	N	<0.003	0.019	<0.0002	--	0.03	0.003	0.002	<0.001	<0.0005	<0.002	<0.05	0.09
SP-UTDC-800	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	0.006	<0.01	0.015	<0.001	0.015	<0.001	<0.002	0.005	0.04
SP-UTDC-800	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTDC-800	8/13/2003	Dissolved	N	e <0.0003	e 0.003	<0.0001	0.0267	q 0.0179	B 0.00048	--	--	<0.0001	<0.0005	B 0.002	q 0.0786
SP-UTDC-800	8/13/2003	Total	N	qe% 0.00058	0.0083	<0.0001	q 0.0277	0.0098	0.0029	<0.0002	0.0029	N <0.0001	<0.0005	0.0026	q 0.0838
SP-UTDC-800	10/28/2003	Dissolved	N	<0.0004	B 0.00036	<0.0001	0.0284	0.0174	0.0023	--	--	W <0.0001	W <0.0003	B 0.0024	0.0981
SP-UTDC-800	10/28/2003	Total	N	B 0.001	0.0139	<0.0001	0.0297	0.0244	0.0032	<0.0002	0.0032	B 0.00027	<0.0003	0.0177	0.163
SP-UTDC-800	5/17/2004	Dissolved	N	W <0.001	0.0322	<0.0002	--	B 0.0085	0.0065	--	--	--	--	--	0.0077
SP-UTDC-800	5/17/2004	Total	N	<0.001	0.0563	<0.0002	--	0.0128	0.0069	--	--	--	--	--	0.0862
NORTH FORK DEER CREEK															
SW-NFDC-200	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.002	<0.001	0.002	<0.001	<0.002	<0.005	<0.01

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-NFDC-200	5/19/2003	Dissolved	D	<0.002	<0.01	<0.0001	<0.005	<0.01	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.01
SW-NFDC-200	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-200	5/19/2003	Total	D	--	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-500	5/22/2002	Dissolved	N	<0.001	<0.02	e 0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	0.03
SW-NFDC-500	5/22/2002	Total	N	<0.001	<0.02	0.0005	--	<0.02	0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.02
SW-NFDC-500	8/7/2002	Dissolved	N	<0.001	0.04	JH <0.0005	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	e 0.07
SW-NFDC-500	8/7/2002	Total	N	<0.001	e 0.09	JH <0.0005	--	<0.02	0.002	<0.001	e% 0.001	<0.001	<0.002	<0.005	0.05
SW-NFDC-500	5/19/2003	Dissolved	N	<0.002	0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-NFDC-500	5/19/2003	Dissolved	D	<0.002	<0.01	<0.0001	<0.005	<0.01	0.002	<0.001	0.002	<0.001	<0.002	<0.005	<0.01
SW-NFDC-500	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-500	5/19/2003	Total	D	--	--	--	--	--	--	--	--	--	--	--	--
SW-NFDC-500	8/13/2003	Dissolved	N	W <0.0003	0.0441	N <0.0001	B 0.0053	<0.0011	<0.0002	--	--	<0.0001	B 0.00047	B 0.00056	<0.0017
SW-NFDC-500	8/13/2003	Total	N	B 0.00058	0.117	<0.0001	0.0111	<0.001	<0.0002	--	--	<0.0001	<0.0003	B 0.00047	<0.0018
SW-NFDC-500	10/28/2003	Dissolved	N	<0.0004	0.0591	<0.0001	0.0081	<0.0011	<0.0002	--	--	<0.0001	W <0.0003	B 0.00059	<0.0017
SW-NFDC-500	10/28/2003	Total	N	B 0.00046	0.0984	<0.0001	0.0086	<0.0011	<0.0002	--	--	<0.0001	<0.0003	B 0.00068	<0.0017
SW-NFDC-900	6/18/2002	Dissolved	N	<0.001	<0.02	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SW-NFDC-900	6/18/2002	Total	N	<0.001	0.04	<0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SW-NFDC-900	8/7/2002	Dissolved	N	<0.001	<0.02	JH <0.0005	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	e <0.02
SW-NFDC-900	8/7/2002	Total	N	0.001	e 0.05	JH <0.0005	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SW-NFDC-900	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.01
SW-NFDC-900	5/19/2003	Total	N	<0.002	0.08	0.0005	<0.005	<0.01	0.002	<0.001	0.002	<0.001	<0.002	<0.005	<0.01
SW-NFDC-900	8/13/2003	Dissolved	N	W <0.0003	0.0024	N <0.00025	B 0.006	<0.0011	<0.0002	--	--	W <0.0001	<0.0003	B 0.0011	<0.0017
SW-NFDC-900	8/13/2003	Total	N	B 0.00065	0.0656	<0.0001	0.0122	<0.001	B 0.00046	<0.0002	B 0.00046	<0.0001	<0.0003	B 0.0014	<0.0018
SW-NFDC-900	10/28/2003	Dissolved	N	<0.0004	0.0044	<0.0001	0.0087	<0.0011	B 0.00096	--	--	W <0.0001	<0.0003	B 0.00097	<0.0017

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BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-NFDC-900	10/28/2003	Total	N	B 0.00057	0.0205	<0.0001	0.0094	<0.0011	B 0.00098	B 0.00032	B 0.00066	<0.0001	W <0.0003	B 0.0014	<0.0017
SW-UTNFDC-510	9/24/2002	Dissolved	N	<0.003	<0.005	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-510	9/24/2002	Total	N	<0.003	0.044	<0.0002	--	<0.02	0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-510	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-UTNFDC-510	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-UTNFDC-510	8/13/2003	Dissolved	N	<0.0003	0.0208	N <0.0001	B 0.0048	<0.0011	<0.0002	--	--	<0.0001	<0.0003	<0.0003	<0.0017
SW-UTNFDC-510	8/13/2003	Total	N	B 0.00094	0.074	<0.0001	0.0131	<0.001	<0.0002	--	--	<0.0001	<0.0003	B 0.00035	<0.0018
SW-UTNFDC-700	9/23/2002	Dissolved	N	<0.003	<0.005	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-700	9/23/2002	Total	N	<0.003	0.011	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-700	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-UTNFDC-700	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-UTNFDC-700	8/13/2003	Dissolved	N	W <0.0003	B 0.0019	N <0.0001	B 0.0049	<0.0011	<0.0002	--	--	<0.0001	<0.0003	B 0.00045	<0.0017
SW-UTNFDC-700	8/13/2003	Total	N	B 0.00073	0.0071	<0.0001	0.0107	<0.001	<0.0002	--	--	N <0.0001	B 0.00031	B 0.00045	<0.0018
SW-UTNFDC-800	9/23/2002	Dissolved	N	0.028	0.018	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	1.22
SW-UTNFDC-800	9/23/2002	Total	N	<0.003	0.009	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-900	9/23/2002	Dissolved	N	<0.003	<0.005	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-900	9/23/2002	Total	N	<0.003	0.022	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-950	9/23/2002	Dissolved	N	<0.003	<0.005	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SW-UTNFDC-950	9/23/2002	Total	N	<0.003	0.023	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SP-NFDC-50	10/29/2003	Dissolved	N	<0.0004	B 0.0018	<0.0001	0.0094	<0.001	B 0.00041	--	--	<0.0001	<0.0003	B 0.00024	0.011
SP-NFDC-50	10/29/2003	Total	N	<0.0004	e% 0.0029	<0.0001	0.0095	<0.001	Be 0.00057	--	--	<0.0001	<0.0003	e% <0.0002	e% 0.0097
SP-NFDC-700	6/18/2002	Dissolved	N	<0.001	<0.02	<0.0002	--	<0.02	0.002	<0.001	0.003	<0.001	<0.002	<0.005	<0.02
SP-NFDC-700	6/18/2002	Total	N	<0.001	<0.02	<0.0002	--	<0.02	0.003	<0.001	0.003	<0.001	<0.002	<0.005	<0.02
SP-NFDC-700	8/7/2002	Dissolved	N	<0.001	<0.02	JH <0.0005	--	<0.02	0.004	<0.001	0.004	<0.001	<0.002	<0.005	e 0.03

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SP-NFDC-700	8/7/2002	Total	N	0.001	e 0.56	JH <0.0005	--	0.02	0.005	<0.001	e% 0.003	<0.001	<0.002	0.01	0.16
SP-NFDC-700	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.003	<0.001	0.003	<0.001	<0.002	<0.005	<0.01
SP-NFDC-700	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-NFDC-700	8/13/2003	Dissolved	N	<0.0003	B 0.00065	N <0.0001	0.0083	<0.0011	B 0.00024	--	--	<0.0001	B 0.00047	B 0.0028	0.0074
SP-NFDC-700	8/13/2003	Total	N	B 0.0008	0.0023	<0.0001	0.0146	<0.001	0.0018	<0.0002	0.0018	<0.0001	<0.0003	B 0.0028	0.0054
SP-UTNFDC-400	5/21/2002	Dissolved	N	<0.001	0.02	<0.0002	--	<0.02	0.003	<0.001	0.002	<0.001	<0.002	<0.005	0.07
SP-UTNFDC-400	5/21/2002	Total	N	0.002	0.07	<0.0002	--	<0.02	0.003	<0.001	0.003	<0.001	<0.002	0.021	0.12
SP-UTNFDC-400	5/20/2003	Dissolved	N	<0.002	e <0.01	<0.0001	<0.005	<0.01	e 0.003	<0.001	e 0.003	<0.001	<0.002	0.014	e 0.02
SP-UTNFDC-400	5/20/2003	Total	N	0.004	<0.01	0.0002	<0.005	<0.01	0.002	<0.001	0.002	<0.001	<0.002	0.015	0.05
SP-UTNFDC-520	9/24/2002	Dissolved	N	<0.003	<0.005	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	0.08
SP-UTNFDC-520	9/24/2002	Total	N	<0.003	<0.005	<0.0002	--	<0.02	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.05	<0.01
SP-UTNFDC-520	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SP-UTNFDC-520	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTNFDC-520	8/13/2003	Dissolved	N	<0.0003	<0.0003	N <0.0001	B 0.0054	<0.0011	<0.0002	--	--	<0.0001	<0.0003	B 0.00036	<0.0017
SP-UTNFDC-520	8/13/2003	Total	N	B 0.0008	0.0058	<0.0001	0.0124	<0.001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0003	B 0.00021	<0.0018
SP-UTNFDC-540	8/13/2003	Dissolved	N	W <0.0003	0.0078	N <0.0001	0.0139	0.0132	B 0.00082	--	--	<0.0001	<0.0003	0.0196	0.0994
SP-UTNFDC-540	8/13/2003	Total	N	<0.0003	0.0254	<0.0001	0.0206	B 0.0085	0.0036	B 0.00026	0.0033	<0.0001	<0.0003	0.0221	0.114
SP-UTNFDC-540	10/28/2003	Dissolved	N	<0.0004	B 0.00083	<0.0001	0.0144	B 0.0099	0.0054	--	--	<0.0001	B <0.0003	0.018	0.0615
SP-UTNFDC-540	10/28/2003	Total	N	B 0.00057	0.0076	<0.0001	0.015	B 0.0064	0.0054	<0.0002	0.0054	<0.0001	<0.0003	0.0206	0.0811
SP-UTNFDC-540	5/17/2004	Dissolved	N	<0.001	<0.001	<0.0002	--	0.0139	0.0105	--	--	--	--	--	0.0653
SP-UTNFDC-540	5/17/2004	Total	N	<0.001	0.0022	--	--	B 0.0036	0.0104	--	--	--	--	--	0.0695
SP-UTNFDC-600	8/6/2002	Dissolved	N	0.002	<0.02	JH <0.0005	--	<0.02	0.004	<0.001	0.003	<0.001	<0.002	<0.005	e 0.04
SP-UTNFDC-600	8/6/2002	Total	N	<0.001	e 0.03	JH <0.0005	--	<0.02	0.005	<0.001	e% 0.005	<0.001	<0.002	<0.005	0.05
SP-UTNFDC-600	5/20/2003	Dissolved	N	<0.002	e <0.01	<0.0001	<0.005	<0.01	e 0.005	<0.001	e 0.005	<0.001	<0.002	<0.005	e <0.01

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SP-UTNFDC-600	5/20/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTNFDC-600	8/14/2003	Dissolved	N	We <0.0003	e 0.0055	<0.0001	0.0102	B 0.003	--	--	--	<0.0001	<0.0005	<0.0002	B 0.0026
SP-UTNFDC-600	8/14/2003	Total	N	qe% 0.00076	0.0218	<0.0001	q 0.0116	<0.001	--	--	--	N <0.0001	<0.0005	0.00038	q 0.0118
SP-UTNFDC-600	10/29/2003	Dissolved	N	<0.0004	0.0077	<0.0001	0.0213	0.0101	0.0122	--	--	<0.0001	<0.0003	0.0076	0.0251
SP-UTNFDC-600	10/29/2003	Total	N	<0.0004	e% 0.012	<0.0001	0.0219	B 0.0016	e <0.0002	--	--	<0.0001	<0.0003	e% 0.0075	e% 0.0273
SP-UTNFDC-600	5/18/2004	Dissolved	N	<0.001	0.0045	<0.0002	--	B 0.0068	0.0033	--	--	--	--	--	B 0.0038
SP-UTNFDC-600	5/18/2004	Total	N	<0.001	0.0147	<0.0002	--	<0.0013	0.0036	--	--	--	--	--	0.0122
SP-UTNFDC-600	8/25/2004	Dissolved	N	<0.0004	0.0113	<0.0001	--	0.0143	N 0.0014	--	--	--	--	--	Be 0.002
SP-UTNFDC-600	8/25/2004	Total	N	<0.0004	0.0477	<0.0001	--	B 0.0072	e 0.0035	--	--	--	--	--	0.0276
SOUTH FORK DEER CREEK															
SW-SFDC-200	5/18/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.002	<0.001	0.002	<0.001	<0.002	<0.005	<0.01
SW-SFDC-200	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-SFDC-200	8/13/2003	Dissolved	N	e <0.0003	e 0.0159	<0.0001	0.0099	<0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.00074	<0.0018
SW-SFDC-200	8/13/2003	Dissolved	D	<0.0003	0.0152	<0.0001	0.0082	B 0.0016	<0.0002	--	--	<0.0001	<0.0005	B 0.00077	<0.0018
SW-SFDC-200	8/13/2003	Total	N	qe% 0.0005	0.0426	<0.0001	q 0.0095	<0.001	--	--	--	N <0.0001	<0.0005	0.00072	<0.0018
SW-SFDC-200	8/13/2003	Total	D	0.0013	0.0437	<0.0001	0.0094	<0.001	--	--	--	N <0.0001	<0.0005	0.0008	<0.0018
SW-SFDC-200	10/28/2003	Dissolved	N	<0.0004	0.0246	<0.0001	0.008	<0.0011	B 0.00028	--	--	<0.0001	W <0.0003	B 0.00047	<0.0017
SW-SFDC-200	10/28/2003	Total	N	<0.0004	0.073	<0.0001	0.0084	<0.0011	<0.0002	--	--	<0.0001	<0.0003	B 0.00076	<0.0017
SW-SFDC-300	5/22/2002	Dissolved	N	<0.001	<0.02	e <0.0002	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	0.11
SW-SFDC-300	5/22/2002	Total	N	<0.001	0.03	<0.0002	--	<0.02	0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.02
SW-SFDC-300	5/18/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-SFDC-300	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-SFDC-800	5/23/2002	Dissolved	N	<0.001	<0.02	e <0.0002	--	<0.02	0.002	<0.001	<0.001	<0.001	<0.002	<0.005	<0.02
SW-SFDC-800	5/23/2002	Total	N	<0.001	<0.02	<0.0002	--	<0.02	0.002	<0.001	0.002	<0.001	<0.002	<0.005	<0.02

TABLE A-3
SUMMARY OF SURFACE WATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-SFDC-800	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.001	<0.001	0.001	<0.001	<0.002	<0.005	<0.01
SW-SFDC-800	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-SFDC-800	5/17/2004	Dissolved	N	<0.001	<0.001	<0.0002	--	B 0.0056	0.002	--	--	--	--	--	0.0072
SW-SFDC-800	5/17/2004	Total	N	W <0.001	B 0.0012	<0.0002	--	<0.0013	0.002	--	--	--	--	--	0.0081
SW-SFSC-800	9/28/2004	Dissolved	N	W <0.0004	<0.001	<0.0002	--	B 0.0069	--	0.0017	--	--	--	--	B 0.00024
SW-SFSC-800	9/28/2004	Total	N	W <0.0004	0.003	<0.0002	--	<0.0013	0.0019	--	--	--	--	--	<0.0002
SW-UTSFDC-900	5/19/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-UTSFDC-900	5/19/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-UTSFDC-500	5/22/2002	Dissolved	N	<0.001	<0.02	e 0.0003	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	0.21
SP-UTSFDC-500	5/22/2002	Total	N	<0.001	<0.02	0.0004	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	0.03
SP-UTSFDC-600	10/29/2003	Dissolved	N	<0.0004	0.0061	<0.0001	0.0083	B 0.0014	<0.0002	--	--	<0.0001	<0.0003	<0.0002	0.0018
SP-UTSFDC-600	10/29/2003	Total	N	<0.0004	e% 0.006	<0.0001	0.0094	<0.001	e <0.0002	--	--	<0.0001	<0.0003	e% <0.0002	e% <0.0018
WELLS CANYON															
SW-WC-800	5/18/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-WC-800	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-WC-800	8/12/2003	Dissolved	N	e <0.0003	e 0.0035	<0.0001	0.0094	<0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.0024	<0.0018
SW-WC-800	8/12/2003	Dissolved	D	<0.0003	0.0037	<0.00025	0.0095	<0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.0025	B 0.0024
SW-WC-800	8/12/2003	Total	N	Be% 0.00042	0.0128	<0.0001	q 0.0107	<0.001	--	--	--	N <0.0001	<0.0005	B 0.003	B 0.0049
SW-WC-800	8/12/2003	Total	D	B 0.0012	0.0133	<0.0001	0.0109	<0.001	--	--	--	N <0.0001	<0.0005	B 0.0033	0.006
SW-WC-800	10/28/2003	Dissolved	N	<0.0004	B 0.0015	<0.0001	0.0082	<0.0011	B 0.00052	--	--	<0.0001	W <0.0003	B 0.0015	B 0.0048
SW-WC-800	10/28/2003	Total	N	<0.0004	0.0034	<0.0001	0.0091	<0.0011	B 0.00049	--	--	<0.0001	<0.0003	B 0.0021	B 0.0036
SW-WC-800	5/19/2004	Dissolved	N	<0.0007	B 0.0014	<0.0002	--	<0.0013	B 0.00086	--	--	--	--	--	B 0.0012
SW-WC-800	5/19/2004	Dissolved	D	<0.0007	<0.001	<0.0002	--	<0.0013	B 0.00078	--	--	--	--	--	B 0.00035
SW-WC-800	5/19/2004	Total	N	B 0.0012	0.0197	<0.0002	--	<0.0013	e%B 0.00082	--	--	--	--	--	0.0105

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BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-WC-800	5/19/2004	Total	D	B 0.00082	0.0199	<0.0002	--	<0.0013	B 0.00087	--	--	--	--	--	0.0104
SW-WC-800	8/24/2004	Dissolved	N	<0.0004	<0.001	<0.0001	--	0.011	BN 0.00049	--	--	--	--	--	B 0.00022
SW-WC-800	8/24/2004	Total	N	<0.0004	0.0107	<0.0001	--	<0.0013	Be 0.00062	--	--	--	--	--	0.0053
SP-UTWC-300	5/23/2002	Dissolved	N	<0.001	<0.02	e 0.0003	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	0.1
SP-UTWC-300	5/23/2002	Total	N	<0.001	<0.02	0.0004	--	<0.02	<0.001	--	--	<0.001	<0.002	<0.005	<0.02
SP-UTWC-300	5/18/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SP-UTWC-300	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-WC-400	5/20/2002	Dissolved	N	<0.001	<0.02	<0.0002	--	<0.02	0.004	<0.001	0.004	<0.001	<0.002	<0.005	0.07
SP-WC-400	5/20/2002	Total	N	<0.001	<0.02	<0.0002	--	<0.02	0.005	<0.001	0.004	<0.001	<0.002	<0.005	0.02
SP-WC-400	8/8/2002	Dissolved	N	<0.001	<0.02	JH <0.0005	--	<0.02	0.006	<0.001	0.004	<0.001	<0.002	<0.005	e 0.02
SP-WC-400	8/8/2002	Dissolved	D	0.001	<0.02	JH <0.0005	--	<0.02	0.006	<0.001	0.003	<0.001	<0.002	<0.005	0.06
SP-WC-400	8/8/2002	Total	N	<0.001	e 0.07	JH <0.0005	--	<0.02	0.006	<0.001	e% 0.006	<0.001	<0.002	<0.005	0.07
SP-WC-400	8/8/2002	Total	D	<0.001	0.04	JH <0.0005	--	<0.02	0.006	<0.001	0.004	<0.001	<0.002	<0.005	0.05
SP-WC-400	5/18/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	0.005	<0.001	0.005	<0.001	<0.002	<0.005	0.02
SP-WC-400	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-WC-400	8/13/2003	Dissolved	N	e <0.0003	e 0.0104	<0.0001	0.0107	B 0.0031	B 0.00062	--	--	<0.0001	<0.0005	B 0.0035	q 0.0055
SP-WC-400	8/13/2003	Total	N	qe% 0.0013	0.066	<0.0001	q 0.0124	0.0016	0.0039	0.00038	0.0035	N <0.0001	<0.0005	0.0065	q 0.0473
SP-WC-400	10/28/2003	Dissolved	N	<0.0004	0.0078	<0.0001	0.0109	B 0.0018	0.0039	--	--	<0.0001	W <0.0003	B 0.0027	0.0141
SP-WC-400	10/28/2003	Dissolved	D	<0.0004	0.0066	<0.0001	0.0109	B 0.0018	0.0038	--	--	<0.0001	<0.0003	B 0.0027	0.0117
SP-WC-400	10/28/2003	Total	N	B 0.00069	0.057	<0.0001	0.0118	B 0.0013	0.0043	B 0.00029	0.004	<0.0001	<0.0003	0.0055	0.0464
SP-WC-400	10/28/2003	Total	D	--	--	--	--	--	0.0043	--	--	--	--	--	--
SP-WC-400	5/17/2004	Dissolved	N	W <0.001	0.0037	<0.0002	--	B 0.0063	0.0041	--	--	--	--	--	0.0125
SP-WC-400	5/17/2004	Total	N	W <0.001	0.011	<0.0002	--	<0.0013	0.0041	--	--	--	--	--	0.0187
SP-WC-400	8/25/2004	Dissolved	N	B 0.00048	0.037	<0.0001	--	0.0183	N 0.0039	--	--	--	--	--	Be 0.0047

TABLE A-3
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ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SP-WC-400	8/25/2004	Total	N	B 0.0025	0.199	B 0.0001	--	0.0323	e 0.0059	--	--	--	--	--	0.191
SP-WC-750	6/5/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-WC-750	6/5/2003	Total	N	<0.002	<0.01	<0.0002	<0.005	<0.01	--	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SP-WC-750	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-WC-750	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SP-WC-750	8/14/2003	Dissolved	N	We <0.0003	B 0.0014	<0.0001	0.0086	B 0.0012	<0.0002	--	--	<0.0001	<0.0005	B 0.0017	<0.0018
SP-WC-750	8/14/2003	Total	N	e% <0.0003	0.00084	<0.0001	q 0.0096	<0.001	0.00051	<0.0002	0.00051	N <0.0001	<0.0005	0.0016	<0.0018
DIAMOND CREEK															
SW-DMC-200	5/18/2003	Dissolved	N	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-DMC-200	5/18/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-DMC-200	8/14/2003	Dissolved	N	Be 0.00039	e 0.0036	<0.0001	0.0082	B 0.0013	<0.0002	--	--	W <0.0001	<0.0005	B 0.00033	<0.0018
SW-DMC-200	8/14/2003	Dissolved	D	B 0.0007	0.0045	<0.0001	B 0.0076	B 0.0016	<0.0002	--	--	W <0.0001	<0.0005	B 0.00032	<0.0018
SW-DMC-200	8/14/2003	Total	N	qe% 0.00083	0.0071	<0.0001	q 0.0094	<0.001	--	--	--	N <0.0001	<0.0005	0.00038	<0.0018
SW-DMC-200	8/14/2003	Total	D	0.0012	0.0068	<0.0001	0.0092	<0.001	--	--	--	N <0.0001	<0.0005	0.00028	<0.0018
STEWART CANYON															
SW-ST-500	8/15/2003	Dissolved	N	W <0.0003	0.0035	<0.0001	0.0106	<0.001	B 0.00066	--	--	<0.0001	<0.0005	B 0.0019	B 0.0036
SW-ST-500	8/15/2003	Total	N	BW 0.00044	0.0152	<0.0001	0.0082	<0.001	N 0.0012	--	--	<0.0001	B 0.00088	B 0.0021	0.0145
SW-ST-500	5/18/2004	Dissolved	N	<0.001	B 0.0013	<0.0002	--	B 0.0069	0.0028	--	--	--	--	--	B 0.0042
SW-ST-500	5/18/2004	Total	N	W <0.001	0.0081	<0.0002	--	<0.0013	0.0076	--	--	--	--	--	0.0163
SW-ST-500	8/26/2004	Dissolved	N	<0.0004	0.002	<0.0001	--	0.0152	N 0.0024	--	--	--	--	--	Be 0.0039
SW-ST-500	8/26/2004	Total	N	<0.0004	0.017	<0.0001	--	B 0.0036	e 0.003	--	--	--	--	--	0.0268
SW-ST-700	8/26/2004	Dissolved	N	<0.0004	<0.001	<0.0001	--	0.0129	BN 0.00059	--	--	--	--	--	e <0.0002
SW-ST-700	8/26/2004	Dissolved	D	<0.0004	<0.001	<0.0001	--	0.013	BN 0.00072	--	--	--	--	--	<0.0002
SW-ST-700	8/26/2004	Total	N	<0.0004	B 0.0012	<0.0001	--	<0.0013	Be 0.00088	--	--	--	--	--	<0.0002

TABLE A-3
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ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-ST-700	8/26/2004	Total	D	<0.0004	B 0.001	<0.0001	--	<0.0013	B 0.00047	--	--	--	--	--	B 0.00025
SP-ST-100	8/15/2003	Dissolved	N	W <0.0003	B 0.0012	<0.0001	0.0119	<0.001	<0.0002	--	--	<0.0001	<0.0005	B 0.0025	<0.0018
SP-ST-100	8/15/2003	Total	N	W <0.0003	B 0.0012	<0.0001	0.0089	<0.001	BN 0.00061	<0.0002	B 0.00061	<0.0001	<0.0003	B 0.0025	<0.0018
SP-ST-100	5/18/2004	Dissolved	N	W <0.001	<0.001	<0.0002	--	B 0.0043	0.0028	--	--	--	--	--	B 0.00093
SP-ST-100	5/18/2004	Total	N	W <0.001	<0.001	<0.0002	--	<0.0013	0.0017	--	--	--	--	--	B 0.0016
SP-ST-100	8/26/2004	Dissolved	N	<0.0004	<0.001	<0.0001	--	0.0136	N 0.0011	--	--	--	--	--	Be 0.00082
SP-ST-100	8/26/2004	Total	N	<0.0004	<0.001	<0.0001	--	<0.0013	Be 0.00092	--	--	--	--	--	B 0.00064
SP-ST-200	8/15/2003	Dissolved	N	W <0.0003	B 0.0013	<0.0001	0.0108	<0.001	B 0.00023	--	--	<0.0001	<0.0005	0.0021	<0.0018
SP-ST-200	8/15/2003	Total	N	<0.0003	B 0.0013	<0.0001	B 0.008	<0.001	BN 0.00064	<0.0002	B 0.00064	<0.0001	B 0.00088	B 0.0019	<0.0018
SP-ST-200	5/18/2004	Dissolved	N	<0.001	<0.001	<0.0002	--	B 0.0051	0.0022	--	--	--	--	--	B 0.00064
SP-ST-200	5/18/2004	Total	N	W <0.001	B 0.0016	<0.0002	--	<0.0013	0.0024	--	--	--	--	--	B 0.0013
SP-ST-200	8/26/2004	Dissolved	N	<0.0004	<0.001	<0.0001	--	0.0128	N 0.001	--	--	--	--	--	Be 0.00024
SP-ST-200	8/26/2004	Total	N	<0.0004	<0.001	<0.0001	--	<0.0013	e 0.0016	--	--	--	--	--	B 0.00028
LAMB CANYON															
SW-LC-500	8/15/2003	Dissolved	N	W <0.0003	B 0.0018	<0.0001	0.0105	<0.001	B 0.00061	--	--	<0.0001	<0.0005	B 0.0019	B 0.0026
SW-LC-500	8/15/2003	Total	N	W <0.0003	0.0201	<0.0001	0.0082	<0.001	BN 0.00038	--	--	<0.0001	<0.0003	B 0.0022	0.0134
CLEAR CREEK															
SW-CL-800	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-CL-800	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
WHITE DUGWAY CREEK															
SW-WD-800	7/29/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--
SW-WD-800	7/29/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
WARM CREEK															
SW-WM-800	7/30/2003	Dissolved	N	--	--	--	--	--	--	--	--	--	--	--	--

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**
SW-WM-800	7/30/2003	Total	N	--	--	--	--	--	--	--	--	--	--	--	--
PRESERVATIVE BLANK															
SW-OC-200	5/20/2003	Dissolved	B	<0.002	<0.01	<0.0001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.005	<0.01
SW-OC-200	5/20/2003	Total	B	--	--	--	--	--	--	--	--	--	--	--	--
SW-OC-200	8/14/2003	Dissolved	B	B 0.00093	<0.0007	<0.0001	<0.0005	B 0.003	<0.0002	--	--	W <0.0001	<0.0005	<0.0002	0.0118
SW-OC-200	8/14/2003	Total	B	0.001	<0.0007	<0.0001	0.00056	<0.001	--	--	--	N <0.0001	<0.0005	<0.0002	0.0106
SW-OC-200	10/30/2003	Dissolved	B	--	--	--	--	--	--	--	--	--	--	--	--
SW-OC-200	10/30/2003	Total	B	B 0.0012	B 0.0013	<0.0001	B 0.00071	<0.001	B 0.00028	--	--	<0.0001	<0.0003	<0.0002	0.0125
SW-OC-200	5/19/2004	Dissolved	B	<0.0007	<0.001	<0.0002	--	<0.0013	<0.0003	--	--	--	--	--	<0.0002
SW-OC-200	5/19/2004	Total	B	<0.0007	<0.001	<0.0002	--	<0.0013	e%< 0.0003	--	--	--	--	--	B 0.0022

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PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium All (mg/L)	Selenium IV (mg/L)	Selenium VI (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
IDAHO DEQ Standard**				**0.0025h**	**NE**	**1.2e-5**	**NE**	**0.16h**	**0.005**	**NE**	**NE**	**0.0034h**	**0.0063**	**NE**	**0.105h**

Notes:

B	Not detected above quantitation limit but present above method detection limit (SVL).
D	Field duplicate sample
J	Estimated value (Northern Analytical).
N	Located in the QC column indicates natural sample.
N	Located in analyte column indicates percent recovery not within control limits 75-125% (SVL).
NE	Not Established
M	Duplicate precision goal not met (SVL).
W	Post-digestion spike recovery out of control limits 85-115% (SVL).
<	Indicates analyte not detected above laboratory practical quantification limit (PQL).
(mg/L)	Milligrams per liter
*	Dulicate analysis not within control limits (SVL).
(1)	Verified by a second analysis (Northern Analytical).
--	Field data or laboratory samples were not collected or analyzed.
H	Sample analyzed out of holding time.
e	Field duplicate results exceed acceptable limits - PQL based determination.
e%	Field duplicate results exceed acceptable limits - relative percent difference determination.
q	Associated values are estimates - field blank showed evidence of contamination.
**	The surface water standards value is the lowest concentration for cold water biota for Criteria Maximum Concentration (CMC), Criteria Continuous Concentration (CCC), or human consumption of organisms. Standards from IDAPA 58.01.02.210 + 250. For Idaho, water quality standards are based on the dissolved fraction for metals in surface water (except total fraction for selenium and mercury as CCC). Standard values followed by an "h" indicate the aquatic life criteria are expressed as a function of total hardness and water effect ratio (WER). Hardness dependent standards are calculated for each watershed based on the average observed hardness. Standards shown are based on a hardness of 100 mg/L.
	Shading indicates results above Idaho DEQ Standards, regardless of physical state (Total or Dissolved).
+	Chromium standard of 0.01 mg/l is for Chromium VI; the chromium III standard is 0.18 mg/l for CCC and is hardness dependent.