SUMMARY OF GROUNDWATER DATA

TABLE B-1
SUMMARY OF GROUNDWATER DATA
FIELD MEASUREMENTS AND PHYSICAL PARAMETERS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Depth to Water*** (ft)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)
IDAHO DEQ Standards**			**NE**	**6.5 - 8.5**	**6.5 - 8.5s**	**NE**	**NE**	**NE**	**NE**	**NE**	**500s**	**NE**
PANEL F (MANNING CREEK LEASE AREA)												
MC-MW-1	10/19/2003	145.1	--	--	--	--	--	--	--	--	--	--
MC-MW-1	10/30/2003	148.11	6.3	7.85	8.01	239	365	102.5	7.04	H 101	236	60
MC-MW-1	5/19/2004	145.94	--	--	8.09	--	330	--	--	0.742	192	<5
MC-MW-1	6/24/2004	145.79	7.49	7.46	8.02	327	344	116	9.54	H 0.137	228	<5
MC-MW-1	8/25/2004	--	--	--	--	--	--	--	--	--	--	--
MC-MW-2	10/14/2003	57.49	5	7.3	7.31	75	76	8	9	H 985	139	1350
MC-MW-2	10/29/2003	59.99	--	--	--	--	--	--	--	--	--	--
MC-MW-2	5/18/2004	42.24	--	--	--	--	--	--	--	--	--	--
MC-MW-2	6/30/2004	43.77	6.47	6.06	7.02	60	67	73	8.95	eH10.81	65.349	e<5
MC-MW-2	8/25/2004	49.25	--	--	--	--	--	--	--	--	--	--
MC-MW-3	10/14/2003	Dry	--	--	--	--	--	--	--	--	--	--
MC-MW-3	10/29/2003	Dry	--	--	--	--	--	--	--	--	--	--
MC-MW-3	5/18/2004	23.7	--	--	--	--	--	--	--	--	--	--
MC-MW-3	8/25/2004	Dry	--	--	--	--	--	--	--	--	--	--
MC-MW-4	10/14/2003	44.56	12	7.7	7.83	439	409	-31	8.5	H 1080	231	155
MC-MW-4	10/29/2003	45.54	--	--	--	--	--	--	--	--	--	--
MC-MW-4	5/18/2004	29.42	--	--	--	--	--	--	--	--	--	--
MC-MW-4	6/24/2004	31.78	8.1	7.42	7.93	460	494	-91.8	*0.29	H 3.48	260	<5
MC-MW-4	8/25/2004	36.8	--	--	--	--	--	--	--	--	--	--
MC-MW-5	10/14/2003	85.84	3	7.2	7.38	173	191	15	3.9	H 52.8	118	40
MC-MW-5	10/29/2003	88.44	--	--	--	--	--	--	--	--	--	--
MC-MW-5	5/18/2004	54.66	--	--	--	--	--	--	--	--	--	--
MC-MW-5	6/24/2004	47.91	9.46	5.43	6.96	163	73	152	8.89	H 6	37	<5
MC-MW-5	8/25/2004	74.9	--	--	--	--	--	--	--	--	--	--
MC-MW-5	10/5/2004	--	--	--	7.27	--	240	--	--	--	151	5
PANEL G (DEER CREEK LEASE AREA)												
DC-MW-1	10/9/2003	6.84	12	6.2	7.16	259	199	54	3.6	H 6456	H 168	H 4760
DC-MW-1	10/29/2003	7.49	--	--	--	--	--	--	--	--	--	--
DC-MW-1	5/19/2004	1.74	--	--	--	--	--	--	--	--	--	--
DC-MW-1	6/23/2004	3.34	6.4	5.79	7.31	167	137	183.2	3.55	H 654	100	1066
DC-MW-1	8/25/2004	6.2	--	--	--	--	--	--	--	--	--	--

TABLE B-1
SUMMARY OF GROUNDWATER DATA
FIELD MEASUREMENTS AND PHYSICAL PARAMETERS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Depth to Water*** (ft)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)
IDAHO DEQ Standards**			**NE**	**6.5 - 8.5**	**6.5 - 8.5s**	**NE**	**NE**	**NE**	**NE**	**NE**	**500s**	**NE**
DC-MW-2	10/12/2003	63.14	6	7.6	7.83	485	498	8	4.7	H 494	417	633
DC-MW-2	10/29/2003	62.63	--	--	--	--	--	--	--	--	--	--
DC-MW-2	5/19/2004	57.74	--	--	--	--	--	--	--	--	--	--
DC-MW-2	6/30/2004	57.25	7.56	8.1	8.21	420	467	18.5	*0.41	eH3.88	236	e51
DC-MW-2	8/25/2004	60.91	--	--	--	--	--	--	--	--	--	--
DC-MW-3	10/11/2003	94.74	6	8.5	8.18	480	495	38	1.8	H 9.56	253	27
DC-MW-3	10/29/2003	94.92	--	--	--	--	--	--	--	--	--	--
DC-MW-3	5/19/2004	95.83	--	--	--	--	--	--	--	--	--	--
DC-MW-3	6/30/2004	93.45	6.4	10.19	10.24	388	390	-67.3	1.69	eH8.42	181	e86
DC-MW-3	8/25/2004	94.4	--	--	--	--	--	--	--	--	--	--
DC-MW-4	10/12/2003	103.96	8	7.9	7.96	313	322	4	3	H 86.1	168	106
DC-MW-4	10/29/2003	104.99	--	--	--	--	--	--	--	--	--	--
DC-MW-4	5/19/2004	105.9	--	--	--	--	--	--	--	--	--	--
DC-MW-4	6/30/2004	105.5	6.91	8.36	8.3	291	299	-84	*0.5	eH0.942	158	e10
DC-MW-4	8/25/2004	104.45	--	--	--	--	--	--	--	--	--	--
DC-MW-5	10/10/2003	302.95	8	7.3	7.97	397	400	-100	7.2	H 9.81	248	<5
DC-MW-5	10/29/2003	>300	--	--	--	--	--	--	--	--	--	--
DC-MW-5	5/19/2004	300.8	--	--	--	--	--	--	--	--	--	--
DC-MW-5	6/25/2004	295.1	5.76	7.4	7.94	386	413	59.6	3.46	H 4.47	218	<5
DC-MW-5	8/25/2004	297.45	--	--	--	--	--	--	--	--	--	--
DC-MW-5	10/15/2004	--	--	--	7.86	--	406	--	--	--	355	5
DC-MW-6	10/9/2003	2.96	10	7.3	7.5	427	453	360	3.7	H 2050	H 284	H 2256
DC-MW-6	10/29/2003	4.25	--	--	--	--	--	--	--	--	--	--
DC-MW-6	5/19/2004	3.99	--	--	--	--	--	--	--	--	--	--
DC-MW-6	6/23/2004	3.23	10.59	6.84	7.56	326	328	101	9.1	H 162.5	232	243
DC-MW-6	8/25/2004	5.55	--	--	--	--	--	--	--	--	--	--

TABLE B-1
SUMMARY OF GROUNDWATER DATA
FIELD MEASUREMENTS AND PHYSICAL PARAMETERS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Depth to Water*** (ft)	Temp. (C)	Field pH	Lab pH	Field Conductivity (umhos/cm)	Lab Conductivity (umhos/cm)	Field ORP (mV)	Field DO (mg/L)	Lab Turbidity (NTU)	Total Dis-solved Solids (mg/L)	Total Sus-pended Solids (mg/L)
IDAHO DEQ Standards**			**NE**	**6.5 - 8.5**	**6.5 - 8.5s**	**NE**	**NE**	**NE**	**NE**	**NE**	**500s**	**NE**

Notes:

***	Depth to water below measuring point.
ft	Feet
(mg/L)	Milligrams per liter
C	Degrees centigrade
(umhos/cm)	Micromhos per centimeter
ORP	Oxygen reduction potential
(mV)	Millivolts
DO	Dissolved oxygen
(NTU)	Nephelometric Turbidity Unit
<	Indicates analyte not detected above laboratory practical quantification limit (PQL).
--	Field data or laboratory samples were not collected or analyzed.
e	Field duplicate results exceed acceptable limits - PQL based determination.
H	Sample analyzed out of holding time.
NE	Not Established
*	Dissolved oxygen measurment may have been affected by nitrogen used to power bladder pump.
**	Standards from IDAPA 58.01.11.200. For Idaho, water quality standards are based on the total fraction for groundwater. Standard values followed by an "s" indicate a secondary standard.
	Shading indicates results above Idaho DEQ Standards.

Well MC-MW-3 and MC-MW-4 formerly known as MC-MW-11 and MC-MW-6, respectively.

TABLE B-2
SUMMARY OF GROUNDWATER DATA
ANALYSIS FOR MAJOR ION AND NUTRIENTS
PANLES F AND G
BASELINE STUDY

Site		Sample Date	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)	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**	**250s**	**4.0**	**NE**	**NE**	**10**	**NE**	**NE**	**NE**	**NE**	**250s**
PANEL F (MANNING CREEK LEASE AREA)																	
MC-MW-1	N	10/30/2003	184	< 1	184	0.02	49.6	1.06	< 0.1	190	15.9	< 0.02	H 0.05	0.26	2.38	2.97	8.47
MC-MW-1	N	5/19/2004	189	< 1	189	--	46.7	0.65	0.11	172	13.4	--	--	--	0.536	3.03	8.11
MC-MW-1	N	6/24/2004	192	< 1	192	--	49.6	0.94	0.12	186	15.2	--	--	--	0.603	3.15	7.81
MC-MW-2	N	10/14/2003	35.6	< 1	35.6	0.02	27.9	0.87	0.12	--	6.68	0.57	H 0.43	5.609	11.5	1.95	2.55
MC-MW-2	N	6/30/2004	28.9	e< 1	28.9	--	9.33	0.92	0.16	29.4	1.48	--	--	--	0.452	1.29	1.99
MC-MW-4	N	10/14/2003	206	< 1	206	0.11	59.2	2.12	0.16	242	22.9	0.31	H <0.01	0.775	4.95	5.99	25.9
MC-MW-4	N	6/24/2004	273	< 1	273	--	63.6	1.41	0.15	264	25.6	--	--	--	2.35	4.17	22.3
MC-MW-5	N	10/14/2003	80.5	< 1	80.5	< 0.01	44.4	0.69	0.2	137	6.43	0.22	H 0.417	2.815	2.66	2.09	16.8
MC-MW-5	N	6/24/2004	< 30	< 1	30	--	10.1	0.56	0.2	31.6	1.53	--	--	--	0.404	1.45	4.46
MC-MW-5	N	10/5/2004	--	--	--	--	--	0.56	0.2	--	--	--	--	--	--	--	68
PANEL G (DEER CREEK LEASE AREA)																	
DC-MW-1	N	10/9/2003	60.1	< 1	60.1	0.22	49.3	1.34	0.18	204	19.8	25.16	H 0.033	41.546	13.2	3.07	6.84
DC-MW-1	N	6/23/2004	64.3	< 1	64.3	--	26.4	1.09	0.14	113	11.3	--	--	--	6.79	2.6	7.56
DC-MW-2	N	10/12/2003	242	< 1	242	0.02	139	1.95	0.42	460	27.4	0.16	H 0.068	14.171	10.3	5.91	26.6
DC-MW-2	N	6/30/2004	248	e< 1	248	--	89.3	1.87	0.60	299	18.5	--	--	--	2.63	7.63	29.3
DC-MW-3	N	10/11/2003	208	< 1	208	0.11	49.8	2.38	0.24	239	27.9	< 0.02	H <0.01	0.02	3.2	18.3	53.9
DC-MW-3	N	6/30/2004	42	e 1.4	186	--	30	1.81	0.22	153	18.9	--	--	--	7.48	56.8	22.2
DC-MW-3	D	6/30/2004	42.5	146	188	--	32.6	1.86	0.22	163	19.9	--	--	--	7.66	58.8	22.3
DC-MW-4	N	10/12/2003	163	< 1	163	0.02	68.2	2.91	0.11	202	7.74	< 0.02	H <0.01	1.229	1.53	3.49	7.5
DC-MW-4	D	10/12/2003	165	< 1	165	0.02	68.8	2.94	0.11	205	7.95	< 0.02	<0.01	1.25	1.53	3.53	7.54
DC-MW-4	N	6/30/2004	156	e 1.9	158	--	50.6	2.81	0.14	157	7.47	--	--	--	11	6	6.13
DC-MW-5	N	10/10/2003	208	< 1	208	< 0.01	60.4	1.72	0.34	220	16.9	0.15	H <0.01	0.022	B 0.68	2.85	14.2
DC-MW-5	N	6/25/2004	227	< 1	227	--	62.7	1.54	0.42	228	17.5	--	--	--	0.559	2.75	12.5
DC-MW-5	N	10/15/2004	--	--	--	--	--	1.63	0.4	--	--	--	--	--	--	--	12.2
DC-MW-6	N	10/9/2003	164	< 1	164	0.11	157	1.6	0.24	599	50.5	0.5	H 0.067	41.546	40.7	4.83	58.5
DC-MW-6	N	6/23/2004	168	< 1	168	--	70.8	0.84	0.29	254	18.9	--	--	--	9.52	3.32	16.2
PRESERVATIVE BLANK																	
FIELDBLANK	FB	6/24/2004	11.1	< 1	11.1	--	0.009	< 0.2	< 0.1	0.06	0.008	--	--	--	<0.0148	< 0.009	< 0.3

TABLE B-2
SUMMARY OF GROUNDWATER DATA
ANALYSIS FOR MAJOR ION AND NUTRIENTS
PANLES F AND G
BASELINE STUDY

Site		Sample Date	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)	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**	**250s**	**4.0**	**NE**	**NE**	**10**	**NE**	**NE**	**NE**	**NE**	**250s**
EQUIPBLANK	B	6/30/2004	--	--	< 1	--	0.55	< 1	< 0.5	1.61	0.06	--	--	--	<0.015	0.02	< 1.5

Notes:

<	Indicates analyte not detected above laboratory practical quantification limit (PQL).
(mg/L)	Milligrams per liter
B	Not detected above quantitation limit but present above method detection limit (SVL).
D	Field duplicate sample
e	Field duplicate results exceed acceptable limits - PQL based determination.
H	Sample analyzed out of holding time.
N	Natural sample
NE	Not Established
**	Standards from IDAPA 58.01.11.200. For Idaho, water quality standards are based on the total fraction for groundwater. Standard values followed by an "s" indicate a secondary standard.
	Shading indicates results above Idaho DEQ Standards.

Well MC-MW-3 and MC-MW-4 formerly known as MC-MW-11 and MC-MW-6, respectively.

-- Field data or laboratory samples were not collected or analyzed.

TABLE B-3
SUMMARY OF GROUNDWATER 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)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**0.2s**	**0.006**	**0.05**	**2.0**	**0.004**	**NE**	**0.005**	**0.1**	**1.3**	**0.3s**
PANEL F (MANNING CREEK LEASE AREA)													
MC-MW-1	10/30/2003	Dissolved	N	B 0.0125	<0.0006	<0.0006	0.033	<0.00006	B 0.0122	<0.00006	<0.0003	<0.0026	<0.0045
MC-MW-1	10/30/2003	Total	N	5.35	<0.0006	BWN 0.0013	0.051	B 0.00015	B 0.0177	0.00014	0.0103	0.0044	4.25
MC-MW-1	5/19/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	<0.0124
MC-MW-1	5/19/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	0.0277
MC-MW-1	6/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	<0.0108
MC-MW-1	6/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	<0.0108
MC-MW-2	10/14/2003	Dissolved	N	<0.0086	B 0.0017	B 0.00069	B 0.0159	<0.00007	0.0072	<0.0001	<0.0002	<0.0011	B 0.0081
MC-MW-2	10/14/2003	Total	N	39.3	W <0.0006	0.0305	0.25	0.0026	0.102	N 0.0091	0.476	0.0897	67.9
MC-MW-2	6/30/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	<0.011
MC-MW-2	6/30/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	0.344
MC-MW-4	10/14/2003	Dissolved	N	<0.0086	B 0.0019	W <0.0006	0.0745	<0.00007	B 0.0305	<0.0001	B 0.00041	<0.0011	B 0.0075
MC-MW-4	10/14/2003	Total	N	4.98	<0.0006	B 0.002	0.129	B 0.00032	B 0.0246	N 0.00075	0.0271	0.0116	6.93
MC-MW-4	6/24/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	0.177
MC-MW-4	6/24/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	0.298
MC-MW-5	10/14/2003	Dissolved	N	<0.0086	BW 0.0039	0.003	0.0041	<0.00007	<0.0065	0.0014	B 0.0013	<0.0011	B 0.0095
MC-MW-5	10/14/2003	Total	N	6.42	W 0.0023	0.012	0.0281	B 0.00045	B 0.0197	N 0.0072	0.257	0.0318	13.3
MC-MW-5	6/24/2004	Dissolved	N	--	--	--	--	--	--	0.0019	--	--	<0.0108
MC-MW-5	6/24/2004	Total	N	--	--	--	--	--	--	0.0019	--	--	0.171
MC-MW-5	10/5/2004	Dissolved	N	--	--	--	--	--	--	0.0114	--	--	<0.011
MC-MW-5	10/5/2004	Total	N	--	--	--	--	--	--	0.0121	--	--	0.205
PANEL G (DEER CREEK LEASE AREA)													
DC-MW-1	10/9/2003	Dissolved	N	B 0.0112	BW 0.0013	<0.0006	0.0413	<0.00006	<0.012	0.0011	<0.0003	<0.0026	<0.0045
DC-MW-1	10/9/2003	Total	N	80.4	BWN 0.0012	N 0.0185	0.55	E 0.0031	0.0509	0.0118	0.368	0.085	69
DC-MW-1	6/23/2004	Dissolved	N	--	--	--	--	--	--	0.00098	--	--	0.0252
DC-MW-1	6/23/2004	Total	N	--	--	--	--	--	--	0.0058	--	--	27.1
DC-MW-2	10/12/2003	Dissolved	N	B 0.0152	B 0.0012	B 0.0017	0.0198	<0.00006	<0.012	0.002	B 0.0015	<0.0026	<0.0045
DC-MW-2	10/12/2003	Total	N	59.8	BWN 0.0019	WN 0.0318	0.188	E 0.0021	0.0665	0.0188	0.501	0.0571	38
DC-MW-2	6/30/2004	Dissolved	N	--	--	--	--	--	--	0.00044	--	--	<0.011
DC-MW-2	6/30/2004	Total	N	--	--	--	--	--	--	0.00065	--	--	0.107
DC-MW-3	10/11/2003	Dissolved	N	B 0.0109	BW 0.0027	0.0075	0.0725	<0.00006	B 0.0159	<0.0001	<0.0003	<0.0026	<0.0045
DC-MW-3	10/11/2003	Total	N	0.799	BN 0.00065	N 0.0093	0.0895	e <0.00006	B 0.0172	<0.0001	B 0.0033	<0.0026	0.472
DC-MW-3	6/30/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	<0.011

TABLE B-3
SUMMARY OF GROUNDWATER 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)	Copper (mg/L)	Iron (mg/L)
IDAHO DEQ Standard**				**0.2s**	**0.006**	**0.05**	**2.0**	**0.004**	**NE**	**0.005**	**0.1**	**1.3**	**0.3s**
DC-MW-3	6/30/2004	Dissolved	D	--	--	--	--	--	--	<0.0001	--	--	<0.011
DC-MW-3	6/30/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	0.0823
DC-MW-3	6/30/2004	Total	D	--	--	--	--	--	--	<0.0001	--	--	0.0829
DC-MW-4	10/12/2003	Dissolved	N	B 0.015	BW 0.0019	0.0057	0.0198	<0.00006	<0.012	<0.0001	<0.0003	<0.0026	<0.0045
DC-MW-4	10/12/2003	Dissolved	D	B 0.0185	BW 0.0024	0.0063	0.0204	<0.00006	<0.012	<0.0001	<0.0003	<0.0026	<0.0045
DC-MW-4	10/12/2003	Total	N	2.73	BWN 0.0019	N 0.0087	0.0392	e <0.00006	<0.012	0.0037	0.0651	0.0058	2.9
DC-MW-4	10/12/2003	Total	D	2.72	BWN 0.002	N 0.0086	0.0395	e <0.00006	<0.012	0.0037	0.0625	0.0052	3.06
DC-MW-4	6/30/2004	Dissolved	N	--	--	--	--	--	--	<0.0001	--	--	B 0.0135
DC-MW-4	6/30/2004	Total	N	--	--	--	--	--	--	<0.0001	--	--	0.128
DC-MW-5	10/10/2003	Dissolved	N	B 0.0176	B 0.0011	<0.0006	0.0277	<0.00006	<0.012	0.00016	<0.0003	<0.0026	<0.0045
DC-MW-5	10/10/2003	Total	N	0.0242	N <0.0006	N <0.0006	0.0299	e <0.00006	<0.012	0.00034	B 0.0012	<0.0026	2.13
DC-MW-5	6/25/2004	Dissolved	N	--	--	--	--	--	--	0.00069	--	--	<0.0108
DC-MW-5	6/25/2004	Total	N	--	--	--	--	--	--	0.00075	--	--	1.09
DC-MW-5	10/15/2004	Dissolved	N	--	--	--	--	--	--	0.00057	--	--	<0.0124
DC-MW-5	10/15/2004	Total	N	--	--	--	--	--	--	0.00065	--	--	B0.0152
DC-MW-6	10/9/2003	Dissolved	N	B 0.0143	BW 0.0019	B 0.00083	0.0355	<0.00006	B 0.0143	0.00078	<0.0003	<0.0026	<0.0045
DC-MW-6	10/9/2003	Total	N	209	BWN 0.00083	N 0.0625	1.18	E 0.0096	0.241	0.131	1.4	0.324	183
DC-MW-6	6/23/2004	Dissolved	N	--	--	--	--	--	--	0.0011	--	--	0.025
DC-MW-6	6/23/2004	Total	N	--	--	--	--	--	--	0.154	--	--	45.5
PRESERVATIVE BLANK													
EQUIPBLAN	6/30/2004	Dissolved	B	--	--	--	--	--	--	<0.0001	--	--	<0.011
EQUIPBLAN	6/30/2004	Total	B	--	--	--	--	--	--	<0.0001	--	--	<0.011
FIELDBLANK	6/24/2004	Dissolved	FB	--	--	--	--	--	--	W<0.0001	--	--	<0.0108
FIELDBLANK	6/24/2004	Total	FB	--	--	--	--	--	--	<0.0001	--	--	<0.0108

Notes:

D Field duplicate sample.
B Not detected above quantitation limit but present above method detection limit (SVL).
E Estimated value due to presence of interference (SVL).
N Located in QC column indicates natural sample.
N Located in analyte column indicates percent recovery not within control limits 75-125% (SVL)..
NE Not Established.
W Post-digestion spike recovery out of control limits 85-115% (SVL).
-- Field data or laboratory samples were not collected or analyzed.

e Field duplicate results exceed acceptable limits - PQL based determination.
< Indicates analyte not detected above laboratory practical quantification limit (PQL).
(mg/L) Milligrams per liter.
* Duplicate analysis not within control limits (SVL).
** Standards from IDAPA 58.01.11.200. For Idaho, water quality standards are based on the total fraction for groundwater. Standard values followed by an "s" indicate a secondary standard.
Shading indicates results above ID DEQ Standards, regardless of physical state (Total or Dissolved).
Well MC-MW-3 and MC-MW-4 formerly known as MC-MW-11 and MC-MW-6, respectively.

TABLE B-3
SUMMARY OF GROUNDWATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (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**				**0.015**	**0.05s**	**0.002**	**NE**	**0.05**	**NE**	**NE**	**0.1s**	**0.002**	**NE**	**5.0s**
PANEL F (MANNING CREEK LEASE AREA)														
MC-MW-1	10/30/2003	Dissolved	N	<0.0004	0.0034	<0.0001	B 0.002	B 0.00049	--	--	<0.001	B 0.00051	B 0.00029	0.0066
MC-MW-1	10/30/2003	Total	N	0.002	0.0522	<0.0001	<0.001	B 0.00042	--	--	<0.0001	<0.0003	0.0109	* 0.0311
MC-MW-1	5/19/2004	Dissolved	N	<0.0007	B0.0018	<0.0002	<0.0013	B 0.00066	--	--	--	--	--	<0.0002
MC-MW-1	5/19/2004	Total	N	B 0.001	<0.001	<0.0002	<0.0013	<0.0003	--	--	--	--	--	B 0.0015
MC-MW-1	6/24/2004	Dissolved	N	<0.0007	<0.0006	*<0.0002	<0.0017	<0.0003	--	--	--	--	--	<0.0011
MC-MW-1	6/24/2004	Total	N	B 0.00072	<0.0006	*< 0.0002	<0.0017	<0.0003	--	--	--	--	--	<0.0011
MC-MW-2	10/14/2003	Dissolved	N	<0.0004	0.0689	<0.0001	<0.0011	0.0025	--	--	<0.0001	B 0.00053	B 0.0016	0.059
MC-MW-2	10/14/2003	Total	N	0.0265	1.52	0.00049	0.42	0.0231	<0.0002	0.0231	B 0.00034	B 0.0014	0.2	1.48
MC-MW-2	6/30/2004	Dissolved	N	<0.001	<0.0006	<0.0002	B 0.0053	B 0.00088	--	--	--	--	--	0.0052
MC-MW-2	6/30/2004	Total	N	<0.001	SB0.002	<0.0002	B 0.0066	B 0.00095	--	--	--	--	--	S 0.0123
MC-MW-4	10/14/2003	Dissolved	N	<0.0004	0.135	<0.0001	<0.0011	0.0018	--	--	<0.0001	B 0.00058	B 0.00041	0.311
MC-MW-4	10/14/2003	Total	N	0.0101	0.258	<0.0001	0.0114	0.0021	--	--	<0.0001	<0.0003	0.0079	0.327
MC-MW-4	6/24/2004	Dissolved	N	B0.0013	0.0565	*<0.0002	<0.0017	<0.0003	--	--	--	--	--	<0.0011
MC-MW-4	6/24/2004	Total	N	B 0.00072	0.056	*< 0.0002	<0.0017	B 0.00036	--	--	--	--	--	0.0023
MC-MW-5	10/14/2003	Dissolved	N	<0.0004	0.0088	<0.0001	0.0506	0.507	--	--	<0.0001	B 0.00048	0.39	0.309
MC-MW-5	10/14/2003	Total	N	W 0.0037	0.0733	B 0.00014	0.243	0.477	0.072	0.405	0.0025	B 0.00086	0.578	1.5
MC-MW-5	6/24/2004	Dissolved	N	<0.0007	B0.0016	*<0.0002	0.034	0.0262	--	--	--	--	--	0.227
MC-MW-5	6/24/2004	Total	N	<0.0007	0.004	*< 0.0002	0.0325	0.0313	--	--	--	--	--	0.223
MC-MW-5	10/5/2004	Dissolved	N	<0.001	S0.0374	<0.0002	0.69	0.325	--	--	--	--	--	S4.75
MC-MW-5	10/5/2004	Total	N	<0.001	0.0314	<0.0002	0.608	0.342	--	--	--	--	--	3.83
PANEL G (DEER CREEK LEASE AREA)														
DC-MW-1	10/9/2003	Dissolved	N	<0.0004	0.901	<0.0001	B 0.0073	0.0019	--	--	<0.0001	e <0.0003	B 0.001	0.0148
DC-MW-1	10/9/2003	Total	N	0.0403	2.43	B 0.00019	0.13	0.006	--	--	B 0.00082	B 0.0012	0.268	0.585
DC-MW-1	6/23/2004	Dissolved	N	<0.0007	0.467	*<0.0002	B 0.0023	0.0036	--	--	--	--	--	B0.004
DC-MW-1	6/23/2004	Total	N	0.0161	1.27	*< 0.0002	0.0554	0.0078	--	--	--	--	--	0.258
DC-MW-2	10/12/2003	Dissolved	N	<0.0004	0.011	<0.0001	0.0266	0.0086	--	--	<0.0001	Be 0.00031	0.0182	0.138
DC-MW-2	10/12/2003	Total	N	0.012	0.786	0.00043	0.568	0.0123	--	--	0.0021	W 0.0047	0.499	4.01
DC-MW-2	6/30/2004	Dissolved	N	B0.0014	0.0289	<0.0002	0.0239	<0.0003	--	--	--	--	--	0.0277
DC-MW-2	6/30/2004	Total	N	B 0.0018	S0.0392	<0.0002	0.0232	B 0.00036	--	--	--	--	--	S 0.0553
DC-MW-3	10/11/2003	Dissolved	N	<0.0004	0.0267	<0.0001	B 0.0013	0.0011	--	--	<0.0001	e <0.0003	<0.0002	<0.0018
DC-MW-3	10/11/2003	Total	N	B 0.0019	0.0847	<0.0001	<0.001	B 0.00093	<0.0002	B 0.00093	<0.0001	B 0.00091	B 0.00097	0.0226
DC-MW-3	6/30/2004	Dissolved	N	<0.001	<0.0006	<0.0002	<0.0017	<0.0003	--	--	--	--	--	<0.0011

TABLE B-3
SUMMARY OF GROUNDWATER DATA
ANALYSIS FOR METALS
PANELS F AND G
BASELINE STUDY

Site	Sample Date	Type	QC	Lead (mg/L)	Manganese (mg/L)	Mercury (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**				**0.015**	**0.05s**	**0.002**	**NE**	**0.05**	**NE**	**NE**	**0.1s**	**0.002**	**NE**	**5.0s**
DC-MW-3	6/30/2004	Dissolved	D	<0.001	<0.0006	<0.0002	<0.0017	<0.0003	--	--	--	--	--	<0.0011
DC-MW-3	6/30/2004	Total	N	W< 0.001	S0.0495	<0.0002	<0.0017	<0.0003	--	--	--	--	--	S< 0.0011
DC-MW-3	6/30/2004	Total	D	<0.001	S0.0544	<0.0002	<0.0017	<0.0003	--	--	--	--	--	S< 0.0011
DC-MW-4	10/12/2003	Dissolved	N	<0.0004	0.0259	<0.0001	B 0.0054	0.0011	--	--	<0.0001	e <0.0003	B 0.00058	0.0104
DC-MW-4	10/12/2003	Dissolved	D	<0.0004	0.0261	<0.0001	B 0.0042	0.0011	--	--	<0.0001	B 0.00031	B 0.00057	0.0106
DC-MW-4	10/12/2003	Total	N	B 0.0016	0.0601	<0.0001	0.0194	0.0078	0.0016	0.0062	B 0.00049	B 0.00046	0.0435	0.138
DC-MW-4	10/12/2003	Total	D	0.002	0.063	<0.0001	0.0204	0.0076	--	--	B 0.00051	<0.0003	0.044	0.14
DC-MW-4	6/30/2004	Dissolved	N	<0.001	0.0138	<0.0002	B 0.0068	<0.0003	--	--	--	--	--	<0.0011
DC-MW-4	6/30/2004	Total	N	B 0.0015	S0.0183	<0.0002	B 0.0057	<0.0003	--	--	--	--	--	S< 0.0011
DC-MW-5	10/10/2003	Dissolved	N	<0.0004	0.018	<0.0001	0.0133	0.0143	--	--	<0.0001	e <0.0003	B 0.0013	0.037
DC-MW-5	10/10/2003	Total	N	<0.0004	0.0213	<0.0001	B 0.0066	0.0142	--	--	<0.0001	<0.0003	0.0155	0.075
DC-MW-5	6/25/2004	Dissolved	N	<0.0007	<0.0006	*<0.0002	0.0136	0.0105	--	--	--	--	--	0.0977
DC-MW-5	6/25/2004	Total	N	B 0.0011	B0.002	*< 0.0002	0.0128	0.0115	--	--	--	--	--	0.113
DC-MW-5	10/15/2004	Dissolved	N	B0.00062	<0.001	<0.0002	0.0131	0.0079	--	--	--	--	--	S0.0937
DC-MW-5	10/15/2004	Total	N	BW 0.00069	<0.001	<0.0002	B 0.0096	0.0097	--	--	--	--	--	0.0861
DC-MW-6	10/9/2003	Dissolved	N	<0.0004	2.12	<0.0001	B 0.0098	0.0015	--	--	W <0.0001	e <0.0003	0.0062	0.022
DC-MW-6	10/9/2003	Total	N	0.095	9.33	0.0011	1.15	0.0422	--	--	W 0.0062	B 0.0026	0.959	5.5
DC-MW-6	6/23/2004	Dissolved	N	<0.0007	0.339	*<0.0002	B 0.0062	0.0017	--	--	--	--	--	0.0064
DC-MW-6	6/23/2004	Total	N	0.021	12.6	*< 0.0002	0.238	0.0121	--	--	--	--	--	1.22
PRESERVATIVE BLANK														
EQUIPBLAN	6/30/2004	Dissolved	B	<0.001	<0.0006	<0.0002	<0.0017	<0.0003	--	--	--	--	--	B0.0029
EQUIPBLAN	6/30/2004	Total	B	0.0011	<0.0006	<0.0002	<0.0017	<0.0003	--	--	--	--	--	0.0016
FIELDBLANK	6/24/2004	Dissolved	FB	<0.0007	<0.0006	*<0.0002	<0.0017	<0.0003	--	--	--	--	--	<0.0011
FIELDBLANK	6/24/2004	Total	FB	<0.0007	<0.0006	*< 0.0002	<0.0017	<0.0003	--	--	--	--	--	<0.0011

Notes:

- D Field duplicate sample.
- B Not detected above quantitation limit but present above method detection limit (SVL).
- E Estimated value due to presence of interference (SVL).
- N Located in QC column indicates natural sample.
- N Located in analyte column indicates percent recovery not within control limits 75-125% (SVL)..
- NE Not Established.
- S Serial dilution difference is >10% and original sample concentration is >50X the instrument detection limit (SVL).
- W Post-digestion spike recovery out of control limits 85-115% (SVL).
- -- Field data or laboratory samples were not collected or analyzed.
- e Field duplicate results exceed acceptable limits - PQL based determination.
- < Indicates analyte not detected above laboratory practical quantification limit (PQL).
- (mg/L) Milligrams per liter.
- * Duplicate analysis not within control limits (SVL).
- ** Standards from IDAPA 58.01.11.200. For Idaho, water quality standards are based on the total fraction for groundwater. Standard values followed by an "s" indicate a secondary standard.
- Shading indicates results above ID DEQ Standards, regardless of physical state (Total or Dissolved).

Well MC-MW-3 and MC-MW-4 formerly known as MC-MW-11 and MC-MW-6, respectively.