



Attachment B

Attachment B Summary of Groundwater Data for Past 5 Quarters GW-1A

Analyte	Units	GW Std	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	5	0.05	0.05	0.05	2	2
Antimony, dissolved	mg/L	Report	0.0007	0.00095	0.0008		2
Arsenic, dissolved	mg/L	0.1	0.0005	0.00079	0.0006		2
Barium, dissolved	mg/L	Report	0.0314	0.033	0.032		2
Beryllium, dissolved	mg/L	0.1	0.00008	0.00008	0.00008	2	2
Bicarbonate as CaCO3	mg/L	Report	32.8	33	33		2
Boron, dissolved	mg/L	0.75	0.02	0.03	0.03	2	2
Cadmium, dissolved	mg/L	0.001	0.00008	0.00014	0.00011		2
Calcium, dissolved	mg/L	Report	19	19.7	19		2
Carbonate as CaCO3	mg/L	Report	2	2	2	2	2
Chloride	mg/L	250	0.5	0.58	0.5	1	2
Chromium, dissolved	mg/L	0.1	0.0005	0.0005	0.0005	2	2
Conductivity @25C	µS/cm	Report	122	129	126		2
Copper, dissolved	mg/L	0.009	0.0008	0.00102	0.0009	1	2
Cyanide, total	mg/L	0.005	0.003	0.003	0.003	2	2
Fluoride	mg/L	2	0.2	0.23	0.2		2
Hardness as CaCO3 (dissolved)	mg/L	Report	54	56	55		2
Hydroxide as CaCO3	mg/L	Report	2	2	2	2	2
Iron, dissolved	mg/L	1	0.06	0.06	0.06	2	2
Lead, dissolved	mg/L	0.044	0.0001	0.00224	0.0012		2
Magnesium, dissolved	mg/L	Report	1.5	1.61	1.6		2
Manganese, dissolved	mg/L	1.672	0.01	0.01	0.01	2	2
Mercury, dissolved	mg/L	0.01	0.0002	0.0002	0.0002	2	2
Molybdenum, dissolved	mg/L	Report	0.00088	0.001	0.001		2
Nickel, dissolved	mg/L	0.05	0.008	0.008	0.008	2	2
Nitrate/Nitrite as N	mg/L	100	0.08	0.259	0.17		2
pH (lab)	s.u.	6-9	7.7	7.7	7.7		2
Phosphorus, total	mg/L	NA	0.01	0.01	0.01	2	2
Potassium, dissolved	mg/L	Report	0.4	0.64	0.52		2
Total Dissolved Solids	mg/L	400	72	90	81		2
Total Suspended Solids	mg/L	Report	5	5	5	2	2
Selenium, dissolved	mg/L	0.005	0.00016	0.0002	0.00018		2
Silica, dissolved	mg/L	Report	4.5	4.6	4.6		2
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	0.0001	2	2
Sodium, dissolved	mg/L	Report	1.5	1.98	1.7		2
Sulfate	mg/L	250	25.1	28.6	26.9		2
Thallium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	2	2
Total Alkalinity	mg/L	Report	32.8	33	32.9		2
Uranium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	2	2
Vanadium, dissolved	mg/L	0.1	0.01	0.01	0.01	2	2
Zinc, dissolved	mg/L	5	0.05	0.054	0.052		2
pH (field)	s.u.	0.713	7.14	8.34	7.6		3
Water Temperature (field)	deg. C		5.9	12.1	8.5		3
ORP (field)	mV		232	281	256		2
Conductivity (field)	µS/cm		47	309	178		2
Dissolved Oxygen (field)	%		51.9	94.9	73.4		2

Attachment B Summary of Groundwater Data for Past 5 Quarters GW-1B

Analyte	Units	GW Std	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	5	0.05	0.05	0.05	6	6
Antimony, dissolved	mg/L	Report	0.0005	0.00101	0.0008		6
Arsenic, dissolved	mg/L	0.1	0.0002	0.00062	0.0005		6
Barium, dissolved	mg/L	Report	0.0309	0.0572	0.0494		6
Beryllium, dissolved	mg/L	0.1	0.00008	0.00008	0.00008	6	6
Bicarbonate as CaCO3	mg/L	Report	29.4	52.8	38.5		6
Boron, dissolved	mg/L	0.75	0.02	0.03	0.02	6	6
Cadmium, dissolved	mg/L	0.001	0.000125	0.0002	0.0001		6
Calcium, dissolved	mg/L	Report	19.9	36.3	29.8		6
Carbonate as CaCO3	mg/L	Report	2	2	2	6	6
Chloride	mg/L	250	0.5	0.6	0.5	3	4
Chromium, dissolved	mg/L	0.1	0.0005	0.0005	0.0005	6	6
Conductivity @25C	µS/cm	Report	128	227	191		6
Copper, dissolved	mg/L	0.009	0.0008	0.001	0.001	5	6
Cyanide, total	mg/L	0.005	0.003	0.003	0.003	6	6
Fluoride	mg/L	2	0.15	0.21	0.19	1	6
Hardness as CaCO3 (dissolved)	mg/L	Report	56	103	85		6
Hydroxide as CaCO3	mg/L	Report	2	2	2	6	6
Iron, dissolved	mg/L	1	0.06	0.06	0.06	6	6
Lead, dissolved	mg/L	0.044	0.0001	0.00022	0.0002	1	6
Magnesium, dissolved	mg/L	Report	1.64	3.07	2.49		6
Manganese, dissolved	mg/L	1.672	0.01	0.01	0.01	6	6
Mercury, dissolved	mg/L	0.01	0.0002	0.0002	0.0002	6	6
Molybdenum, dissolved	mg/L	Report	0.0006	0.00327	0.0014		6
Nickel, dissolved	mg/L	0.05	0.008	0.008	0.008	6	6
Nitrate/Nitrite as N	mg/L	100	0.03	0.337	0.16		6
pH (lab)	s.u.	6-9	7.4	8	7.7		6
Phosphorus, total	mg/L	NA	0.01	0.01	0.01	6	6
Potassium, dissolved	mg/L	Report	0.39	0.62	0.50		6
Total Dissolved Solids	mg/L	400	72	154	125		6
Total Suspended Solids	mg/L	Report	5	10	6	5	6
Selenium, dissolved	mg/L	0.005	0.00019	0.00041	0.00028		6
Silica, dissolved	mg/L	Report	4.3	5.6	4.8		6
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	0.0001	6	6
Sodium, dissolved	mg/L	Report	1.74	2.74	2.10		6
Sulfate	mg/L	250	34.3	69.2	53.1		6
Thallium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	6	6
Total Alkalinity	mg/L	Report	29.4	52.8	38.5		6
Uranium, dissolved	mg/L	Report	0.0001	0.00012	0.0001	5	6
Vanadium, dissolved	mg/L	0.1	0.01	0.01	0.01	6	6
Zinc, dissolved	mg/L	5	0.05	0.29	0.10		6
pH (field)	s.u.	0.713	6.68	8.29	7.45		6
Water Temperature (field)	deg. C		1.2	8.4	5.4		6
ORP (field)	mV		211	479	289		5
Conductivity (field)	µS/cm		6	204.1	90		3
Dissolved Oxygen (field)	%		57.2	90.4	72.3		3

Attachment B Summary of Groundwater Data for Past 5 Quarters GW-2A

Analyte	Units	GW Std	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	5	0.05	0.05	0.05	6	6
Antimony, dissolved	mg/L	Report	0.00072	0.00102	0.00090		6
Arsenic, dissolved	mg/L	0.1	0.00025	0.00042	0.00030		6
Barium, dissolved	mg/L	Report	0.0374	0.0626	0.0486		6
Beryllium, dissolved	mg/L	0.1	0.00008	0.00008	0.00008	6	6
Bicarbonate as CaCO3	mg/L	Report	2	27.6	22	1	6
Boron, dissolved	mg/L	0.75	0.02	0.03	0.03	6	6
Cadmium, dissolved	mg/L	0.001	0.00042	0.000699	0.00056		6
Calcium, dissolved	mg/L	Report	20.6	37.7	27.8		6
Carbonate as CaCO3	mg/L	Report	2	2	2	6	6
Chloride	mg/L	250	0.5	1.18	0.7	4	6
Chromium, dissolved	mg/L	0.1	0.0005	0.00252	0.0008	5	6
Conductivity @25C	µS/cm	Report	135	268	189		6
Copper, dissolved	mg/L	0.009	0.0008	0.00087	0.0008	5	6
Cyanide, total	mg/L	0.005	0.003	0.003	0.003	6	6
Fluoride	mg/L	2	0.2	0.27	0.2		6
Hardness as CaCO3 (dissolved)	mg/L	Report	58	106	78		6
Hydroxide as CaCO3	mg/L	Report	2	2	2	6	6
Iron, dissolved	mg/L	1	0.06	0.06	0.06	6	6
Lead, dissolved	mg/L	0.044	0.00013	0.00042	0.00026		6
Magnesium, dissolved	mg/L	Report	1.6	2.92	2.1		6
Manganese, dissolved	mg/L	1.672	0.01	0.01	0.01	6	6
Mercury, dissolved	mg/L	0.01	0.0002	0.0002	0.0002	6	6
Molybdenum, dissolved	mg/L	Report	0.0008	0.00127	0.0010		6
Nickel, dissolved	mg/L	0.05	0.008	0.008	0.008	6	6
Nitrate/Nitrite as N	mg/L	100	0.125	0.588	0.232		6
pH (lab)	s.u.	6-9	4	7.7	7		6
Phosphorus, total	mg/L	NA	0.01	0.024	0.013	4	5
Potassium, dissolved	mg/L	Report	0.4	0.71	0.5		6
Total Dissolved Solids	mg/L	400	100	164	119		6
Total Suspended Solids	mg/L	Report	5	32	10	4	6
Selenium, dissolved	mg/L	0.005	0.0001	0.00039	0.0002		6
Silica, dissolved	mg/L	Report	4.6	5.6	5.1		6
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	0.0001	6	6
Sodium, dissolved	mg/L	Report	1.5	2.31	1.93		6
Sulfate	mg/L	250	32.5	83.1	54.1		6
Thallium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	6	6
Total Alkalinity	mg/L	Report	2	27.6	22.1	1	6
Uranium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	6	6
Vanadium, dissolved	mg/L	0.1	0.01	0.01	0.01	6	6
Zinc, dissolved	mg/L	5	0.35	0.552	0.46		6
pH (field)	s.u.	0.713	6.33	8.39	7.07		7
Water Temperature (field)	deg. C		0.7	14.4	6.2		7
ORP (field)	mV		214	367.6	258		6
Conductivity (field)	µS/cm		26	216	140		3
Disolved Oxygen (field)	%		45.3	89	66		3

Attachment B Summary of Groundwater Data for Past 5 Quarters GW-2B

Analyte	Units	GW Std	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	5	0.05	0.05	0.05	6	6
Antimony, dissolved	mg/L	Report	0.00065	0.0011	0.00080		6
Arsenic, dissolved	mg/L	0.1	0.0002	0.0007	0.0003	1	6
Barium, dissolved	mg/L	Report	0.029	0.0676	0.054		6
Beryllium, dissolved	mg/L	0.1	0.00008	0.00008	0.00008	6	6
Bicarbonate as CaCO3	mg/L	Report	26.4	29.4	28.3		6
Boron, dissolved	mg/L	0.75	0.02	0.03	0.02	6	6
Cadmium, dissolved	mg/L	0.001	0.00011	0.000262	0.00021		6
Calcium, dissolved	mg/L	Report	17.5	37.3	28.1		6
Carbonate as CaCO3	mg/L	Report	2	2	2	6	6
Chloride	mg/L	250	0.5	0.65	0.6	3	5
Chromium, dissolved	mg/L	0.1	0.0005	0.0005	0.0005	6	6
Conductivity @25C	µS/cm	Report	114	235	183		6
Copper, dissolved	mg/L	0.009	0.0008	0.0008	0.0008	6	6
Cyanide, total	mg/L	0.005	0.003	0.003	0.003	6	6
Fluoride	mg/L	2	0.15	0.26	0.21	1	6
Hardness as CaCO3 (dissolved)	mg/L	Report	50	105	79		6
Hydroxide as CaCO3	mg/L	Report	2	2	2	6	6
Iron, dissolved	mg/L	1	0.06	0.06	0.06	6	6
Lead, dissolved	mg/L	0.044	0.0001	0.00017	0.0001	5	6
Magnesium, dissolved	mg/L	Report	1.4	2.99	2.3		6
Manganese, dissolved	mg/L	1.672	0.01	0.01	0.01	6	6
Mercury, dissolved	mg/L	0.01	0.0002	0.0002	0.0002	6	6
Molybdenum, dissolved	mg/L	Report	0.00074	0.001	0.001		6
Nickel, dissolved	mg/L	0.05	0.008	0.008	0.008	6	6
Nitrate/Nitrite as N	mg/L	100	0.07	0.321	0.15		6
pH (lab)	s.u.	6-9	6.9	7.8	7.5		6
Phosphorus, total	mg/L	NA	0.01	0.01	0.01	5	5
Potassium, dissolved	mg/L	Report	0.4	0.77	0.5		6
Total Dissolved Solids	mg/L	400	84	160	120		6
Total Suspended Solids	mg/L	Report	5	5	5	6	6
Selenium, dissolved	mg/L	0.005	0.0001	0.00038	0.0003		6
Silica, dissolved	mg/L	Report	4.4	6	5		6
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	0.0001	6	6
Sodium, dissolved	mg/L	Report	1.4	2.25	1.9		6
Sulfate	mg/L	250	28.3	80.3	54.25		6
Thallium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	6	6
Total Alkalinity	mg/L	Report	26.4	29.4	28.3		6
Uranium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	6	6
Vanadium, dissolved	mg/L	0.1	0.01	0.01	0.01	6	6
Zinc, dissolved	mg/L	5	0.05	0.356	0.26		6
pH (field)	s.u.	0.713	6.34	8.46	7.22		6
Water Temperature (field)	deg. C		1.3	6.9	4.9		6
ORP (field)	mV		228	365.6	265		5
Conductivity (field)	µS/cm		1	319	127		4
Dissolved Oxygen (field)	%		50.4	65.9	58.8		3

Attachment B Summary of Groundwater Data for Past 5 Quarters GW-3B

Analyte	Units	GW Std	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	5	0.05	0.05	0.05	5	5
Antimony, dissolved	mg/L	Report	0.0004	0.00117	0.0007	1	5
Arsenic, dissolved	mg/L	0.1	0.0002	0.00038	0.0003	1	5
Barium, dissolved	mg/L	Report	0.04	0.051	0.05		5
Beryllium, dissolved	mg/L	0.1	0.00008	0.00008	0.00008	5	5
Bicarbonate as CaCO3	mg/L	Report	25.9	44.6	32.2		5
Boron, dissolved	mg/L	0.75	0.02	0.03	0.02	5	5
Cadmium, dissolved	mg/L	0.001	0.00005	0.00009	0.00007	1	5
Calcium, dissolved	mg/L	Report	27	32.6	30.8		5
Carbonate as CaCO3	mg/L	Report	2	2	2	5	5
Chloride	mg/L	250	0.5	0.73	0.55	4	5
Chromium, dissolved	mg/L	0.1	0.0005	0.0005	0.0005	5	5
Conductivity @25C	µS/cm	Report	174	216	197		5
Copper, dissolved	mg/L	0.009	0.0008	0.0008	0.0008	5	5
Cyanide, total	mg/L	0.005	0.003	0.003	0.003	5	5
Fluoride	mg/L	2	0.16	0.2	0.2		5
Hardness as CaCO3 (dissolved)	mg/L	Report	75	92	86		5
Hydroxide as CaCO3	mg/L	Report	2	2	2	5	5
Iron, dissolved	mg/L	1	0.06	0.06	0.06	5	5
Lead, dissolved	mg/L	0.044	0.0001	0.00348	0.0009	1	5
Magnesium, dissolved	mg/L	Report	1.8	2.5	2.1		5
Manganese, dissolved	mg/L	1.672	0.01	0.013	0.011	4	5
Mercury, dissolved	mg/L	0.01	0.0002	0.0002	0.0002	5	5
Molybdenum, dissolved	mg/L	Report	0.00033	0.00098	0.00069		5
Nickel, dissolved	mg/L	0.05	0.008	0.008	0.008	5	5
Nitrate/Nitrite as N	mg/L	100	0.192	0.404	0.243		5
pH (lab)	s.u.	6-9	7.1	7.9	7.5		5
Phosphorus, total	mg/L	NA	0.01	0.02	0.01	3	4
Potassium, dissolved	mg/L	Report	0.45	0.75	0.54		5
Total Dissolved Solids	mg/L	400	126	136	130		5
Total Suspended Solids	mg/L	Report	5	5	5	4	5
Selenium, dissolved	mg/L	0.005	0.00022	0.00042	0.0003		5
Silica, dissolved	mg/L	Report	5.2	6.3	5.6		5
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	0.0001	5	5
Sodium, dissolved	mg/L	Report	2.1	2.53	2.27		5
Sulfate	mg/L	250	43.7	66	59		5
Thallium, dissolved	mg/L	Report	0.0001	0.00014	0.0001	4	5
Total Alkalinity	mg/L	Report	25.9	44.6	32.2		5
Uranium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	5	5
Vanadium, dissolved	mg/L	0.1	0.01	0.01	0.01	5	5
Zinc, dissolved	mg/L	5	0.02	0.125	0.08	1	5
pH (field)	s.u.	0.713	6.57	8.49	7.12		5
Water Temperature (field)	deg. C		4.2	8.9	6.3		5
ORP (field)	mV		196	442.8	282		4
Conductivity (field)	µS/cm		101	270	198		4
Dissolved Oxygen (field)	%		44.3	70.9	56.1		3

Attachment B Summary of Groundwater Data for Past 5 Quarters GW-3R

Analyte	Units	GW Std	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	5	0.05	0.729	0.13	7	8
Antimony, dissolved	mg/L	Report	0.0008	0.00291	0.0013		8
Arsenic, dissolved	mg/L	0.1	0.00043	0.00478	0.00121		8
Barium, dissolved	mg/L	Report	0.023	0.0446	0.034		8
Beryllium, dissolved	mg/L	0.1	0.00008	0.00008	0.00008	8	8
Bicarbonate as CaCO3	mg/L	Report	23.7	41	31		8
Boron, dissolved	mg/L	0.75	0.02	0.03	0.03	8	8
Cadmium, dissolved	mg/L	0.001	0.0002	0.000481	0.0003		8
Calcium, dissolved	mg/L	Report	21.4	38.9	29.9		8
Carbonate as CaCO3	mg/L	Report	2	2	2	8	8
Chloride	mg/L	250	0.5	0.92	0.6	4	8
Chromium, dissolved	mg/L	0.1	0.0005	0.00843	0.0015	7	8
Conductivity @25C	µS/cm	Report	141	251	195		8
Copper, dissolved	mg/L	0.009	0.0008	0.0139	0.0029	3	8
Cyanide, total	mg/L	0.005	0.003	0.003	0.003	8	8
Fluoride	mg/L	2	0.1	0.21	0.2	1	8
Hardness as CaCO3 (dissolved)	mg/L	Report	58	106	81		8
Hydroxide as CaCO3	mg/L	Report	2	2	2	8	8
Iron, dissolved	mg/L	1	0.06	0.535	0.12	6	8
Lead, dissolved	mg/L	0.044	0.0001	0.146	0.021	4	8
Magnesium, dissolved	mg/L	Report	1.2	2.14	1.7		8
Manganese, dissolved	mg/L	1.672	0.01	0.247	0.04	6	8
Mercury, dissolved	mg/L	0.01	0.0002	0.0002	0.0002	8	8
Molybdenum, dissolved	mg/L	Report	0.00057	0.0016	0.0009		8
Nickel, dissolved	mg/L	0.05	0.008	0.008	0.008	8	8
Nitrate/Nitrite as N	mg/L	100	0.165	0.417	0.27		8
pH (lab)	s.u.	6-9	7	7.8	7.5		8
Phosphorus, total	mg/L	NA	0.01	0.207	0.04	6	7
Potassium, dissolved	mg/L	Report	0.33	1.75	0.58		8
Total Dissolved Solids	mg/L	400	104	162	125		8
Total Suspended Solids	mg/L	Report	5	21	7	6	8
Selenium, dissolved	mg/L	0.005	0.0001	0.00035	0.0002		8
Silica, dissolved	mg/L	Report	4.5	7.5	5.2		8
Silver, dissolved	mg/L	0.0001	0.0001	0.0002	0.0001	6	8
Sodium, dissolved	mg/L	Report	2.4	3.42	2.7		8
Sulfate	mg/L	250	37	81.7	56.2		8
Thallium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	8	8
Total Alkalinity	mg/L	Report	23.7	41	31		8
Uranium, dissolved	mg/L	Report	0.0001	0.0001	0.0001	8	8
Vanadium, dissolved	mg/L	0.1	0.01	0.01	0.01	8	8
Zinc, dissolved	mg/L	5	0.12	0.225	0.16		8
pH (field)	s.u.	0.713	6.38	8.75	7.27		9
Water Temperature (field)	deg. C		0.2	16.3	6.8		9
ORP (field)	mV		201	375	259		8
Conductivity (field)	µS/cm		1	351	137		7
Dissolved Oxygen (field)	%		6.7	78.2	56.1		5

Summary of Surface Water Quality Data for 5 Quarters SW-1

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.009	0.0308	0.0199		4
Aluminum, total recoverable	mg/L	0.03	0.183	0.073		4
Arsenic, dissolved	mg/L	0.0002	0.0011	0.0006		4
Arsenic, total recoverable	mg/L	0.0008	0.0018	0.0013		4
Bicarbonate as CaCO ₃	mg/L	21.4	27.4	25.43		4
Cadmium, dissolved	mg/L	0.00032	0.0022	0.0012		4
Calcium, dissolved	mg/L	16.3	34.2	25.0		4
Carbon, dissolved organic	mg/L	1	1.1	1.1	1	3
Carbonate as CaCO ₃	mg/L	2	2	2	4	4
Chloride	mg/L	0.5	0.74	0.58	2	3
Copper, dissolved	mg/L	0.0008	0.00134	0.0009	3	4
Fluoride	mg/L	0.1	0.18	0.1	2	4
Hardness as CaCO ₃ (dissolved)	mg/L	44	94	68		4
Hydroxide as CaCO ₃	mg/L	2	2	2	4	4
Iron, dissolved	mg/L	0.007	0.015	0.011	1	3
Iron, total recoverable	mg/L	0.074	0.168	0.132		4
Lead, dissolved	mg/L	0.0001	0.00214	0.0006	2	4
Magnesium, dissolved	mg/L	0.7	2.01	1.4		4
Manganese, dissolved	mg/L	0.07	0.859	0.42		4
Mercury, total (low level)	ng/L	0.3	1.69	0.7	2	4
Nitrate/Nitrite as N	mg/L	0.15	0.324	0.23		4
Potassium, dissolved	mg/L	0.2	0.54	0.3	1	4
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	4	4
Sodium, dissolved	mg/L	1.04	3.07	2.00		4
Sulfate	mg/L	24.2	73.9	49.6		4
Total Alkalinity	mg/L	21.4	27.4	25.4		4
Total Dissolved Solids	mg/L	54	136	99		4
Total Suspended Solids	mg/L	5	5	5	4	4
Zinc, dissolved	mg/L	0.13	0.693	0.37		4
pH (field)	s.u.	6.81	8.28	7.62		4
Water Temperature (field)	deg. C	6.9	14.3	10.6		4
ORP (field)	mV	185	326	222		4
Conductivity (field)	µS/cm	222.5	286	251		4
Dissolved Oxygen (field)	%	73.3	92	83		4
Flow (field)	CFS	0.08	5.73	2.35		4

Summary of Surface Water Quality Data for 5 Quarters SW-2

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.005	0.0139	0.008	3	5
Aluminum, total recoverable	mg/L	0.005	0.105	0.072	1	5
Arsenic, dissolved	mg/L	0.00032	0.00096	0.00065		5
Arsenic, total recoverable	mg/L	0.0004	0.0026	0.0014		5
Bicarbonate as CaCO ₃	mg/L	20.6	33.8	29.1		5
Cadmium, dissolved	mg/L	0.00005	0.00046	0.00019	1	5
Calcium, dissolved	mg/L	13.9	31.3	23.7		5
Carbon, dissolved organic	mg/L	1	4.3	2	1	4
Carbonate as CaCO ₃	mg/L	2	2	2	5	5
Chloride	mg/L	0.5	0.7	0.6	3	5
Copper, dissolved	mg/L	0.0008	0.0018	0.0010	4	5
Fluoride	mg/L	0.1	0.25	0.2	1	5
Hardness as CaCO ₃ (dissolved)	mg/L	40	88	67		5
Hydroxide as CaCO ₃	mg/L	2	2	2	5	5
Iron, dissolved	mg/L	0.007	0.0079	0.007	4	5
Iron, total recoverable	mg/L	0.007	0.129	0.079	1	5
Lead, dissolved	mg/L	0.0001	0.00036	0.0002	1	5
Magnesium, dissolved	mg/L	1.2	2.44	2.0		5
Manganese, dissolved	mg/L	0.01	0.19	0.05	3	5
Mercury, total (low level)	ng/L	0.3	1.52	0.8	1	5
Nitrate/Nitrite as N	mg/L	0.04	0.194	0.09		5
Potassium, dissolved	mg/L	0.2	0.4	0.3		5
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	5	5
Sodium, dissolved	mg/L	0.8	2.15	1.6		5
Sulfate	mg/L	26.6	59.6	42.0		5
Total Alkalinity	mg/L	20.6	33.8	29.1		5
Total Dissolved Solids	mg/L	54	134	94		5
Total Suspended Solids	mg/L	5	5	5	4	5
Zinc, dissolved	mg/L	0.02	0.146	0.07	1	5
pH (field)	s.u.	6.57	8.18	7.69		5
Water Temperature (field)	deg. C	1.1	11.1	7.5		5
ORP (field)	mV	146	366	221		5
Conductivity (field)	µS/cm	7	390	128		5
Dissolved Oxygen (field)	%	72.4	100	86		5
Flow (field)	CFS	1.14	33.87	13.7		5

Summary of Surface Water Quality Data for 5 Quarters SW-3

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.005	0.005	0.005	5	5
Aluminum, total recoverable	mg/L	0.01	0.726	0.16		5
Arsenic, dissolved	mg/L	0.00059	0.0015	0.0010		5
Arsenic, total recoverable	mg/L	0.00085	0.00393	0.0019		5
Bicarbonate as CaCO ₃	mg/L	35.3	326	97		5
Cadmium, dissolved	mg/L	0.00012	0.000317	0.00023		5
Calcium, dissolved	mg/L	35.8	57.1	44.0		5
Carbon, dissolved organic	mg/L	1	2.1	1	2	4
Carbonate as CaCO ₃	mg/L	2	5.5	3	4	5
Chloride	mg/L	0.53	9.26	2.55		5
Copper, dissolved	mg/L	0.0008	0.0008	0.0008	5	5
Fluoride	mg/L	0.19	0.23	0.21		5
Hardness as CaCO ₃ (dissolved)	mg/L	96	158	120		5
Hydroxide as CaCO ₃	mg/L	2	2	2	5	5
Iron, dissolved	mg/L	0.007	0.007	0.0070	4	4
Iron, total recoverable	mg/L	0.017	0.584	0.142		5
Lead, dissolved	mg/L	0.0001	0.00201	0.0005	1	5
Magnesium, dissolved	mg/L	1.7	3.74	2.4		5
Manganese, dissolved	mg/L	0.01	0.018	0.01	4	5
Mercury, total (low level)	ng/L	0.4	40.6	10.8		5
Nitrate/Nitrite as N	mg/L	0.28	2.1	0.855		5
Potassium, dissolved	mg/L	0.4	0.82	0.5		5
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	5	5
Sodium, dissolved	mg/L	3.47	5.47	4.28		5
Sulfate	mg/L	51.6	124	83.3		5
Total Alkalinity	mg/L	35.3	332	98.4		5
Total Dissolved Solids	mg/L	140	242	182		5
Total Suspended Solids	mg/L	5	9	6	4	5
Zinc, dissolved	mg/L	0.07	0.226	0.16		5
pH (field)	s.u.	6.89	8.21	7.54		5
Water Temperature (field)	deg. C	-1.1	11	6.1		5
ORP (field)	mV	182	416.8	250		5
Conductivity (field)	µS/cm	13	393	222		3
Dissolved Oxygen (field)	%	71.1	83.1	76.8		3
Flow (field)	CFS	0.51	3.11	1.30		5

Summary of Surface Water Quality Data for 5 Quarters SW-4

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.005	0.0182	0.011	2	5
Aluminum, total recoverable	mg/L	0.0223	0.235	0.097		5
Arsenic, dissolved	mg/L	0.0005	0.00091	0.0007		5
Arsenic, total recoverable	mg/L	0.0007	0.0027	0.0016		5
Bicarbonate as CaCO ₃	mg/L	22.9	39.5	30.6		5
Cadmium, dissolved	mg/L	0.000153	0.000528	0.000340		5
Calcium, dissolved	mg/L	16.2	38.2	27.64		5
Carbon, dissolved organic	mg/L	1	1.2	1	2	4
Carbonate as CaCO ₃	mg/L	2	2	2	5	5
Chloride	mg/L	0.5	1.13	0.7	2	4
Copper, dissolved	mg/L	0.0008	0.0017	0.0010	3	5
Fluoride	mg/L	0.1	0.36	0.2	2	5
Hardness as CaCO ₃ (dissolved)	mg/L	46	106	77		5
Hydroxide as CaCO ₃	mg/L	2	2	2	5	5
Iron, dissolved	mg/L	0.007	0.0089	0.007	3	4
Iron, total recoverable	mg/L	0.0246	0.235	0.115		5
Lead, dissolved	mg/L	0.0002	0.00154	0.0006		5
Magnesium, dissolved	mg/L	1.3	2.61	2.0		5
Manganese, dissolved	mg/L	0.02	0.17	0.07		5
Mercury, total (low level)	ng/L	0.3	14.4	3.9	1	5
Nitrate/Nitrite as N	mg/L	0.1	0.476	0.3		5
Potassium, dissolved	mg/L	0.2	0.63	0.4		5
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	5	5
Sodium, dissolved	mg/L	1.1	3.5	2.3		5
Sulfate	mg/L	30.1	76.4	50.8		5
Total Alkalinity	mg/L	22.9	39.5	30.6		5
Total Dissolved Solids	mg/L	64	162	113		5
Total Suspended Solids	mg/L	5	5	5	4	5
Zinc, dissolved	mg/L	0.093	0.233	0.14		5
pH (field)	s.u.	6.72	8.18	7.56		5
Water Temperature (field)	deg. C	1.2	10	6.5		5
ORP (field)	mV	130	322.2	208		5
Conductivity (field)	µS/cm	166	264	217		5
Dissolved Oxygen (field)	%	82.2	91.3	86.4		5
Flow (field)	CFS	2.44	35.8	13.0		5

Summary of Surface Water Quality Data for 5 Quarters SW-15

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.005	0.015	0.009	3	5
Aluminum, total recoverable	mg/L	0.0073	0.13	0.07		5
Arsenic, dissolved	mg/L	0.0005	0.00089	0.00076		5
Arsenic, total recoverable	mg/L	0.00087	0.0034	0.0016		5
Bicarbonate as CaCO ₃	mg/L	20.5	37.4	30.3		5
Cadmium, dissolved	mg/L	0.000063	0.00053	0.00018		5
Calcium, dissolved	mg/L	14.2	35.1	24.5		5
Carbon, dissolved organic	mg/L	1	1.2	1	3	4
Carbonate as CaCO ₃	mg/L	2	2	2	5	5
Chloride	mg/L	0.5	0.65	0.5	3	5
Copper, dissolved	mg/L	0.0008	0.002	0.0010	4	5
Fluoride	mg/L	0.1	0.22	0.2	2	5
Hardness as CaCO ₃ (dissolved)	mg/L	41	99	70		5
Hydroxide as CaCO ₃	mg/L	2	2	2	5	5
Iron, dissolved	mg/L	0.007	0.0088	0.0076	3	5
Iron, total recoverable	mg/L	0.007	0.185	0.081	1	5
Lead, dissolved	mg/L	0.0001	0.0004	0.0002	3	5
Magnesium, dissolved	mg/L	1.3	2.79	2.1		5
Manganese, dissolved	mg/L	0.01	0.23	0.05	2	5
Mercury, total (low level)	ng/L	0.3	1.59	0.7	1	5
Nitrate/Nitrite as N	mg/L	0.03	0.166	0.08		5
Potassium, dissolved	mg/L	0.2	0.51	0.4		5
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	5	5
Sodium, dissolved	mg/L	0.9	2.8	1.9		5
Sulfate	mg/L	22.8	67.6	42.5		5
Total Alkalinity	mg/L	20.5	37.4	30.3		5
Total Dissolved Solids	mg/L	50	154	97		5
Total Suspended Solids	mg/L	5	5	5	5	5
Zinc, dissolved	mg/L	0.025	0.11	0.05		5
pH (field)	s.u.	6.58	8.25	7.71		5
Water Temperature (field)	deg. C	-0.5	11	7.5		5
ORP (field)	mV	157	366.6	247		5
Conductivity (field)	µS/cm	202	268	235		2
Dissolved Oxygen (field)	%	75.4	97.3	82.8		3
Flow (field)	CFS	0.276	42.45	14.27		5

Summary of Surface Water Quality Data for 5 Quarters SW-16

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.005	0.141	0.034	2	5
Aluminum, total recoverable	mg/L	0.03	0.24	0.11		5
Arsenic, dissolved	mg/L	0.0007	0.00163	0.0010		5
Arsenic, total recoverable	mg/L	0.0009	0.0024	0.0016		5
Bicarbonate as CaCO ₃	mg/L	22.1	37.8	30.0		5
Cadmium, dissolved	mg/L	0.000079	0.00045	0.00019		5
Calcium, dissolved	mg/L	15.3	34.4	23.8		5
Carbon, dissolved organic	mg/L	1	2.2	1	1	4
Carbonate as CaCO ₃	mg/L	2	2	2	5	5
Chloride	mg/L	0.5	0.57	0.5	3	4
Copper, dissolved	mg/L	0.0008	0.00485	0.0018	2	5
Fluoride	mg/L	0.1	0.22	0.2	2	5
Hardness as CaCO ₃ (dissolved)	mg/L	43	96	67		5
Hydroxide as CaCO ₃	mg/L	2	2	2	5	5
Iron, dissolved	mg/L	0.007	0.126	0.037	3	4
Iron, total recoverable	mg/L	0.031	0.204	0.101		5
Lead, dissolved	mg/L	0.0001	0.00587	0.0013	2	5
Magnesium, dissolved	mg/L	1.1	2.55	1.9		5
Manganese, dissolved	mg/L	0.016	0.15	0.05	1	5
Mercury, total (low level)	ng/L	0.6	2.19	1.2		5
Nitrate/Nitrite as N	mg/L	0.02	0.204	0.09	1	5
Potassium, dissolved	mg/L	0.2	0.55	0.4	1	5
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	5	5
Sodium, dissolved	mg/L	1	2.89	2		5
Sulfate	mg/L	23.9	68.7	42.1		5
Total Alkalinity	mg/L	22.1	37.8	30.0		5
Total Dissolved Solids	mg/L	56	156	95		5
Total Suspended Solids	mg/L	5	9	6	3	5
Zinc, dissolved	mg/L	0.04	0.296	0.12		5
pH (field)	s.u.	6.52	8.25	7.64		5
Water Temperature (field)	deg. C	-1	13.4	8		5
ORP (field)	mV	168	307.6	209		5
Conductivity (field)	µS/cm	22	182.3	120		3
Dissolved Oxygen (field)	%	54	86.6	71		4
Flow (field)	CFS	0.84	44.41	15.79		5

Summary of Surface Water Quality Data for 5 Quarters SW-17

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.005	0.0174	0.008	1	5
Aluminum, total recoverable	mg/L	0.033	0.311	0.132		5
Arsenic, dissolved	mg/L	0.0003	0.00258	0.0008		5
Arsenic, total recoverable	mg/L	0.0004	0.0029	0.0011		5
Bicarbonate as CaCO ₃	mg/L	20.7	50	36		5
Cadmium, dissolved	mg/L	0.00005	0.00005	0.00005	5	5
Calcium, dissolved	mg/L	12.4	46.9	24.6		5
Carbon, dissolved organic	mg/L	1	2.1	1		4
Carbonate as CaCO ₃	mg/L	2	2	2	5	5
Chloride	mg/L	0.5	6.72	1.8	2	5
Copper, dissolved	mg/L	0.0008	0.001	0.0008	4	5
Fluoride	mg/L	0.1	0.68	0.2	4	5
Hardness as CaCO ₃ (dissolved)	mg/L	35	125	68		5
Hydroxide as CaCO ₃	mg/L	2	2	2	5	5
Iron, dissolved	mg/L	0.007	0.0121	0.008	4	5
Iron, total recoverable	mg/L	0.028	0.205	0.100		5
Lead, dissolved	mg/L	0.0001	0.0001	0.0001	5	5
Magnesium, dissolved	mg/L	1.02	2.42	1.70		5
Manganese, dissolved	mg/L	0.01	0.01	0.01	5	5
Mercury, total (low level)	ng/L	0.56	1.29	0.78		5
Nitrate/Nitrite as N	mg/L	0.042	0.223	0.097		5
Potassium, dissolved	mg/L	0.2	0.38	0.3	3	5
Silver, dissolved	mg/L	0.0001	0.00122	0.0003	4	5
Sodium, dissolved	mg/L	0.43	5.95	1.88		5
Sulfate	mg/L	18.7	89.5	43.1		5
Total Alkalinity	mg/L	20.7	50	36		5
Total Dissolved Solids	mg/L	46	204	94		5
Total Suspended Solids	mg/L	5	6	5	3	5
Zinc, dissolved	mg/L	0.02	0.02	0.02	5	5
pH (field)	s.u.	6.64	8.15	7.65		5
Water Temperature (field)	deg. C	3.8	9.8	6.3		5
ORP (field)	mV	172	367.4	214		5
Conductivity (field)	µS/cm	5	321	132		4
Dissolved Oxygen (field)	%	76.7	99	85		5
Flow (field)	CFS	1.8	23	12		5

Summary of Surface Water Quality Data for 5 Quarters SW-21

Analyte	Units	Minimum	Maximum	Average	Nondetect Count	Sample Count
Aluminum, dissolved	mg/L	0.005	0.0214	0.010	3	4
Aluminum, total recoverable	mg/L	0.0185	0.298	0.142	3	4
Arsenic, dissolved	mg/L	0.00076	0.00094	0.00087		4
Arsenic, total recoverable	mg/L	0.00096	0.0022	0.0015	2	4
Bicarbonate as CaCO ₃	mg/L	26.4	40.7	35.6	3	4
Cadmium, dissolved	mg/L	0.000073	0.000238	0.00017		4
Calcium, dissolved	mg/L	19.4	37.2	29.4	3	4
Carbon, dissolved organic	mg/L	1	1.2	1	2	3
Carbonate as CaCO ₃	mg/L	2	2	2	4	4
Chloride	mg/L	0.5	1.28	0.8	2	4
Copper, dissolved	mg/L	0.0008	0.00101	0.0009	3	4
Fluoride	mg/L	0.15	0.24	0.20	1	4
Hardness as CaCO ₃ (dissolved)	mg/L	55	103	82	3	4
Hydroxide as CaCO ₃	mg/L	2	2	2	4	4
Iron, dissolved	mg/L	0.007	0.0121	0.009	2	3
Iron, total recoverable	mg/L	0.0219	0.259	0.135	3	4
Lead, dissolved	mg/L	0.00011	0.00066	0.00034	1	4
Magnesium, dissolved	mg/L	1.51	2.53	2.08	3	4
Manganese, dissolved	mg/L	0.01	0.023	0.01	2	4
Mercury, total (low level)	ng/L	0.4	2.99	1.5	1	4
Nitrate/Nitrite as N	mg/L	0.14	0.414	0.28	3	4
Potassium, dissolved	mg/L	0.31	0.62	0.46		4
Silver, dissolved	mg/L	0.0001	0.0001	0.0001	4	4
Sodium, dissolved	mg/L	1.26	3.54	2.51	3	4
Sulfate	mg/L	33	69.6	50.5	3	4
Total Alkalinity	mg/L	26.4	40.7	35.6	3	4
Total Dissolved Solids	mg/L	80	158	122	3	4
Total Suspended Solids	mg/L	5	8	6	2	4
Zinc, dissolved	mg/L	0.063	0.11	0.08	3	4
pH (field)	s.u.	7.92	8.1	8.0		3
Water Temperature (field)	deg. C	0.6	8	5		3
ORP (field)	mV	168	347.5	249		3
Conductivity (field)	µS/cm	212.6	212.6	212.6		1
Dissolved Oxygen (field)	%	91.7	96.9	94.3		2
Flow (field)	CFS	5.48	44.01	24.75		2