

Appendix 1 - Tables (April through June 2022)

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Table 1 Description of Effluent, In-Mine Releases Receiving Environment Monitoring Sites 1 Page(s)

Description of Effluent, In-Mine Releases & Receiving Environment Monitoring Sites			
EMS ID #	Monitoring Sites	Abbreviation (Station Code)	*Type of Water (MW, FW or GW)
North Coal Mining Operation			
E207409	Settling Pond #4 Decant	WD	Discharge (MW)
E207411	Culvert, at Middle Quinsam Lake Road	WC	MW & FW
E283433	2-North Portal Sump (Adit Sump)	2NPS	MW
E207412	2-North Pit Sump CCR Cover	WP	PAG-CCR Water Cover - MW
South Coal Mine			
E218582	Settling Pond #1 Decant	SPD	Discharge (MW)
E217014	Culvert, Downstream End at Access Road	SPC	MW & FW
E217015	South Pit Main Sump Water	3S	PAG-CCR Water Cover (MW & FW)
E292127	2-South Pit In Pit Water Cover (2-South Standpipe)	2S	PAG-CCR Water Cover (MW & FW)
7-South Mining Operation			
E292069	7-South Surface Decant	7SSD	Discharge (SW)
E292110	7-South Adit Sump	7SPS	MW
Seep Monitoring Sites			
E292131	Long Lake Seeps	LLS & LLSM	GW / MW
	Culvert that collects groundwater and Coal Main logging road water entering MQL (PDSR)	PDSR	GW / SW
	Possible Seepage Area by QU1109	S	GW/SW
	Possible Seepage Area by QU1105	S2	GW/SW
Receiving Environment Monitoring Sites - Near Initial Zone of Dilution (NIDZ)			
Near Initial Dilution Zone (NIDZ) Monitoring Sites			
E292130	Long Lake Entrance (South end water entering Long Lake near the outlet)	LLE	NIDZ
E292109	Road Crossing Bridge on Stream 1 above the Lower Wetland (Downstream of 7SSD).The site name is Stream 1, 7S.	7S	NIDZ
Receiving Water (Rivers & Lakes Monitoring Sites) 5 in 30 Monitoring Locations			
North Coal Mining Operation			
E0126402	Quinsam River at Argonaut Bridge	WA	FW
E206618	Middle Quinsam Lake Centre	MQL (1, 4, 9 & 1m from Bottom)	FW
E0900504	Outflow from Middle Quinsam Lake	WB	FW
South Coal Mine			
E217018	No Name Lake	NNL (1, 4, 9 & 1m from Bottom)	FW
E217017	No Name Lake Outlet	NNO	FW
E206619	Long Lake at Centre	LLM (1, 4, 9 & 1m from Bottom)	FW
E219412	Long Lake Outlet	LLO	FW
7-South Mining Operation (Areas 1 to 4)			
E286930	Quinsam River Upstream of 7-South Mining Operation	QRDS1	FW
E292113	Quinsam River Downstream of 7-South Mining Operation	7SQR	FW
E292118	Lower Quinsam Lake Centre	LQL (1, 4, 9 & 1m from Bottom)	FW
7-South Area 5 Mining Operation			
E297231	Iron River upstream of 7SA5	IR6	FW
E297232	Iron River downstream of 7SA5 and 242 inputs	IR8	FW
E299256	Quinsam River downstream of confluence with Iron River	IRQR	FW
E292118	Lower Quinsam Lake Centre	LQL (1, 4, 9 & 1m from Bottom)	FW
Block 242 Mining Operation (Reclaimed / Not Monitored)			
E225798	Iron River upstream of the 242 influence	Not Monitored	FW
E225808	Iron River downstream of the 242 influence	Not Monitored	FW
N/A	Old portal sump used for collection of water from underground	Reclaimed	FW / GW
Long Lake Seep Passive Treatment System			
N/A	Groundwater well (2-South Mine Pool) influent to the treatment system	QU11-11 (INF-EFF)	MW
N/A	Biochemical Reactor	BCR-EFF	MW
N/A	Sulphide Polishing Cell	SPC-EFF	MW
N/A	2-South Inflow (From Passive Treatment System)	2SI	MW
N/A	2-South Culvert into 3-South Pit (Seepage under liner and overflow from 2S-pit)	2SC	MW
* MW= Mine Water, FW= Freshwater, GW =Groundwater NIDZ = Near Initial Dilution Zone			

Table 2 Summary of Permit Limit Exceedances, Permit Non-Compliances and Unauthorised Discharges 1 Page(s)

Appendix 1 - Tables (April through June 2022)					
Table 2 Summary of Permit Limit Exceedances, Permit Non-Compliances and Unauthorised Discharges 1 Page(s)					
Summary of Permit Limit Exceedances, Permit Non-Compliances and Unauthorised Discharges `					
EMS ID & Site Name	Non-Compliance (PNC)	Result (mg/L)	Date	Non-Compliance Reason	Number of events or period for PNC, P or spill event.
E292131 - Long Lake Seeps	Unauthorised discharge	PNC	Q1	Seepage from mine pool into Long lake. No authorization to discharge.	Q1 - 91 days

Table 3 Summary of Water Quality Guideline Observations at Monitoring Locations 2 Page(s)

Summary of Water Quality Guideline Observations at Receiving Environment Monitoring Locations Spring 2022						
EMS ID & Site Name	Parameter (mg/L)	Guideline Limit	Result	Date	Guideline	Sampling Events Outside Guideline
Quarter 1 (April through June 2022)						
E217018 - No Name Lake	pH	6.50 to 9.00	Average results ranged from 6.12 to 6.32	Spring 5 in 30	Chronic	All depths
E292130 - South end water entering Long Lake (LLE)	SO ₄ -D (mg/L)	128	132 to 182	Rolling averages	Chronic	(4/10) rolling averages < 128mg/L
Observations at Sites That Are Not Receiving Environment Locations Provided for Comparison Purposes Only.						
E292131- Smaller seep into Long Lake (LLS)	As-T (mg/L)	0.005	0.00505	April	Acute	(1/3) Monthly sampling events
	Fe-T (mg/L)	1.00	2.09, 1.66 and 1.72	April though June	Acute	(3/3) Monthly sampling events
	Fe-D (mg/L)	0.35	2.43, 0.883 and 1.69	April though June	Acute	(3/3) Monthly sampling events
Potential Seepage from shallow groundwater near QU1109 (S)	As-T (mg/L)	0.005	0.060 to 0.0831	April though June	Acute	(13/14) Weekly samples
	SO ₄ -D (mg/L)	128	170 to 236	April though June	Chronic	(10/14) rolling averages < 128mg/L
Potential Seepage from shallow groundwater near QU1105 (S2)	As-T (mg/L)	0.005	0.039 to 0.0505	April though June	Acute	(12/12) Weekly samples
	SO ₄ -D (mg/L)	128	210 to 232	April though June	Chronic	(7/12) rolling averages < 128mg/L
	Fe-T (mg/L)	1.00	1.01 and 1.05	April though June	Acute	(2/12) Weekly samples
	Fe-D (mg/L)	0.35	0.357 to 0.884	April though June	Acute	(11/12) Weekly samples
Min = Minimum Water Quality Guideline (WQG) Acute = Maximum WQG, Chronic = Average WQG						
For all Middle Quinsam Lake Sub-basin and Iron River results background hardness of 30 mg/L was used to calculate those parameters that are hardness dependent.						

Table 3 Summary of Water Quality Guideline Observations at Monitoring Locations 2 Page(s)

Results Above Freshwater Aquatic Life Dissolved Copper Guidelines - Spring 2022. Calculated from the Biotic Ligand Model (BLM)					
EMS ID	Site Name	Station Code	Date	Copper Concentration (mg/L)	Acute Guideline (mg/L)
E206619	Long Lake Middle 9M	LLM9	13-Apr-22	0.00197	0.00180
E217018	No Name Lake 1M	NNL1	13-Apr-22	0.00047	0.0002*
E217018	No Name Lake 1M	NNL1	27-Apr-22	0.00045	0.00040
E217018	No Name Lake 4M	NNL4	13-Apr-22	0.00044	0.0002*
E217018	No Name Lake 4M	NNL4	27-Apr-22	0.00042	0.00030
E217018	No Name Lake 9M	NNL9	13-Apr-22	0.00045	0.0002*
E217018	No Name Lake 9M	NNL9	20-Apr-22	0.00041	0.00040
E217018	No Name Lake 9M	NNL9	27-Apr-22	0.00042	0.00030
E217018	No Name Lake 9M	NNL9	3-May-22	0.00043	0.00020
E217018	No Name Lake 1MB	NNLB	13-Apr-22	0.00043	0.0002*
E217018	No Name Lake 1MB	NNLB	20-Apr-22	0.00042	0.00030
E217018	No Name Lake 1MB	NNLB	27-Apr-22	0.00042	0.00040
E217018	No Name Lake 1MB	NNLB	3-May-22	0.00041	0.00030
EMS ID	Site Name	Station Code	Date	Copper Concentration (mg/L)	Chronic Guideline (mg/L)
E206619	Long Lake Middle 4 M	LLM4	Spring 5 in 30	0.00041	0.0004
E206619	Long Lake Middle 9 M	LLM9	Spring 5 in 30	0.00072	0.0004
E206619	Long Lake Middle 1MB	LLMB	Spring 5 in 30	0.00042	0.0003
E292118	Lower Quinsam Lake 1M	LQL1	Spring 5 in 30	0.00053	0.0005
E292118	Lower Quinsam Lake 4M	LQL4	Spring 5 in 30	0.00052	0.0005
E292118	Lower Quinsam Lake 9M	LQL9	Spring 5 in 30	0.00054	0.0004
E292118	Lower Quinsam Lake 1MB	LQLB	Spring 5 in 30	0.00054	0.0004
E206618	Middle Quinsam Lake 1M	MQL1	Spring 5 in 30	0.00051	0.0005
E206618	Middle Quinsam Lake 9M	MQL9	Spring 5 in 30	0.00048	0.0004
E206618	Middle Quinsam Lake 1MB	MQLB	Spring 5 in 30	0.00045	0.0002
E217018	No Name Lake 1M	NNL1	Spring 5 in 30	0.00046	0.0002*
E217018	No Name Lake 4M	NNL4	Spring 5 in 30	0.00042	0.0002*
E217018	No Name Lake 9M	NNL9	Spring 5 in 30	0.00042	0.0002*
E217018	No Name Lake 1MB	NNLB	Spring 5 in 30	0.00041	0.0002*
126402	Quinsam River at Argonaut Road	WA	Spring 5 in 30	0.00053	0.0005
*The calculated GL is below 0.0002 mg/L, however, 0.0002 mg/L is considered to be the lowest concentration routinely measured and therefore replaces the calculated HC5 value for this water chemistry.					

Appendix 1 - Tables (April through June 2022)

Table 4 Contaminated Sites Regulations - Aquatic Life Standards 1 Page(s)

Q1 Ex-situ Groundwater															
Date	Description	2 / 3 North Area					2 / 3 North Area		RBP	7-South	7-South	7-South	4-South	4-South	
	Well ID	QU0821GS	QU0821GD	QU1010D	QU1011D	QU1105S	QU1105D	QU1109S	QU0813A	QU0813A	QU0813B	QU1009S	QU1009D		
	Station Type	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW		
	Freshwater Aquatic Life (CSR-AW)	21-Jun-22	21-Jun-22	29-Jun-22	28-Jun-22	23-Jun-22	23-Jun-22	29-Jun-22	22-Jun-22	22-Jun-22	7-Jun-22	22-Jun-22	27-Jun-22		
	Sample Class									Replicate					
S2- as H2S	mg/L	H2S	0.02	0.106	0.0914		0.0904	0.0702	80.8		0.276	0.255	0.0617	0.0223	0.117
Cl-D	mg/L		1500			3300									
As-D	mg/L		0.05	0.197	0.177			0.0645		0.1	0.452	0.457	0.506	0.0825	0.106
Se-D	mg/L		0.01						0.0246						

Table 5 Settling Pond # 4 - Authorized Discharge Location for North Mine Water 1 Page(s)

EMS ID	E207409																			Stn Std	PL-N
Site Description	Settling Pond # 4 - Authorized Discharge Location for North Mine Water																				
	Site Name	WD	Std Val		WD-4APR22-P	WD-11APR22-P	WD-19APR22-R	WD-19APR22-P	WD-25APR22-P	WD-2MAY22-P	WD-9MAY22-R	WD-9MAY22-P	WD-16MAY22-P	WD-24MAY22-P	WD-1JUN22-P	WD-6JUN22-P	WD-6JUN22-R	WD-13JUN22-P	WD-20JUN22-P	WD-27JUN22-P	
Date		Max	Min	04-04-2022	11-04-2022	19-04-2022	19-04-2022	25-04-2022	02-05-2022	09-05-2022	09-05-2022	16-05-2022	24-05-2022	01-06-2022	06-06-2022	06-06-2022	13-06-2022	20-06-2022	27-06-2022		
pH-F	pH Units	8.5	6	7.67	7.6	7.55	7.55	7.55	7.69	7.83	7.83	7.81	7.89	7.78	7.85	7.85	7.85	7.73	7.62		
Cond-F	uS/cm			1654.9	1700.6	1851.1	1851.1	1684.1	1761	1642	1642	1750	1856	1589	1489	1489	1698	1743	1965		
SO4-D	mg/L			500	490	520	510	480	540	450	460	500	520	450	450	420	560	540	470		
TSS	mg/L	25		<1.0	5.6	2.4	1.6	2.4	<1.0	3.6	2.4	4.4	2.8	<1.0	<1.0	<1.0	2.0	3.2	3.2		
Alk-T	mg/L			430					410					410							
Acidity83	mg/L			<1.0					1.2					5.1							
Al-T	mg/L								0.0056												
As-T	mg/L								0.00175												
Ba-T	mg/L								0.0179												
B-T	mg/L								0.796												
Cd-T	mg/L								<0.000010												
Ca-T	mg/L								127												
Cr-T	mg/L								<0.0010												
Co-T	mg/L								<0.00020												
Cu-T	mg/L								0.00061												
Hard-T	mg/L								371												
Fe-T	mg/L								0.947												
Pb-T	mg/L								<0.00020												
Mg-T	mg/L								13.4												
Mn-T	mg/L								0.188												
Hg-T	mg/L																				
Mo-T	mg/L								<0.0010												
Ni-T	mg/L								<0.0010												
K-T	mg/L								3.78												
S-T	mg/L								178												
Se-T	mg/L								<0.00010												
Si-T	mg/L								2.94												
Ag-T	mg/L								<0.000020												
Na-T	mg/L								273												
Sr-T	mg/L								1.11												
Zn-T	mg/L								<0.0050												
Al-D	mg/L	0.5		<0.0030					<0.0030					<0.0030							
As-D	mg/L			0.00091					0.00095					0.00120							
Ba-D	mg/L			0.0164					0.0162					0.0194							
B-D	mg/L			0.874					0.982					0.774							
Be-D	mg/L			<0.00010					<0.00010					<0.00010							
Cd-D	mg/L			<0.000010					<0.000010					<0.000010							
Ca-D	mg/L			115					122					123							
Cr-D	mg/L			<0.0010					<0.0010					<0.0010							
Co-D	mg/L			0.00022					<0.00020					0.00022							
Cu-D	mg/L	0.02		0.00023					0.00030					0.00032							
Hard-D	mg/L			342					359					363							
Fe-D	mg/L	0.3		0.0140					0.0155					0.0264							
Pb-D	mg/L	0.05		<0.00020					<0.00020					<0.00020							
Mg-D	mg/L			13.2					13.3					13.4							
Mn-D	mg/L			0.167					0.167					0.110							
Hg-D	mg/L			<0.0000019																	
Mo-D	mg/L			<0.0010					<0.0010					<0.0010							
Ni-D	mg/L			<0.0010					<0.0010					<0.0010							
K-D	mg/L			3.57					3.66					3.22							
S-D	mg/L			170					177					160							
Se-D	mg/L			<0.00010					<0.00010					<0.00010							
Si-D	mg/L			2.98					2.97					2.67							
Na-D	mg/L			272					280					253							
Sr-D	mg/L			1.06					1.14					1.08							
Zn-D	mg/L	0.1		<0.0050					<0.0050					<0.0050							
O&G	mg/L	10		<1.0										<1.0							

Table 6 2 North Pit Sump CCR Water Cover 1 Page(s)

EMS ID	E207412			
Site Description	2 North Pit Sump CCR Water Cover			
Site Name	WP	WP-4APR22-M	WP-2MAY22-M	WP-1JUN22-M
Date		04-04-2022	02-05-2022	01-06-2022
pH-F	pH Units	7.62	8.01	7.83
Cond-F	uS/cm	1292.1	1676	1788
SO4-D	mg/L	620	640	710
TSS	mg/L	<1.0	2.4	1.6
Alk-T	mg/L	300	300	300
Acidity83	mg/L	<1.0	<1.0	2.6
Al-T	mg/L	0.0514	0.0181	0.0103
As-T	mg/L	0.00056	0.00070	0.00109
Ba-T	mg/L	0.0116	0.0133	0.0144
B-T	mg/L	0.331	0.630	0.805
Cd-T	mg/L	0.000014	<0.000010	<0.000010
Ca-T	mg/L	149	157	148
Cr-T	mg/L	<0.0010	<0.0010	<0.0010
Co-T	mg/L	0.00104	0.00028	<0.00020
Cu-T	mg/L	0.00141	0.00084	0.00074
Hard-T	mg/L	445	480	456
Fe-T	mg/L	0.499	0.705	1.13
Pb-T	mg/L	<0.00020	<0.00020	<0.00020
Mg-T	mg/L	17.8	21.0	21.3
Mn-T	mg/L	0.152	0.109	0.100
Hg-T	mg/L			
Mo-T	mg/L	<0.0010	<0.0010	<0.0010
Ni-T	mg/L	0.0028	0.0016	<0.0010
K-T	mg/L	1.71	3.46	4.14
S-T	mg/L	150	221	244
Se-T	mg/L	0.00013	<0.00010	<0.00010
Si-T	mg/L	2.23	2.05	2.05
Ag-T	mg/L	<0.000020	<0.000020	<0.000020
Na-T	mg/L	82.0	215	276
Sr-T	mg/L	0.919	1.23	1.35
Zn-T	mg/L	<0.0050	<0.0050	<0.0050
Al-D	mg/L	0.0047	<0.0030	<0.0030
As-D	mg/L	0.00022	0.00030	0.00041
Ba-D	mg/L	0.0120	0.0127	0.0134
B-D	mg/L	0.401	0.795	0.743
Be-D	mg/L	<0.00010	<0.00010	<0.00010
Cd-D	mg/L	<0.000010	<0.000010	<0.000010
Ca-D	mg/L	151	161	149
Cr-D	mg/L	<0.0010	<0.0010	<0.0010
Co-D	mg/L	0.00077	<0.00020	<0.00020
Cu-D	mg/L	0.00060	0.00045	0.00050
Hard-D	mg/L	456	491	459
Fe-D	mg/L	0.0101	0.0248	0.0213
Pb-D	mg/L	<0.00020	<0.00020	<0.00020
Mg-D	mg/L	19.2	21.6	21.0
Mn-D	mg/L	0.172	0.0954	0.0900
Hg-D	mg/L	<0.0000019		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010
Ni-D	mg/L	0.0024	0.0014	<0.0010
K-D	mg/L	2.41	3.60	4.12
S-D	mg/L	180	224	240
Se-D	mg/L	0.00012	<0.00010	<0.00010
Si-D	mg/L	2.41	1.93	1.93
Na-D	mg/L	129	228	271
Sr-D	mg/L	1.01	1.33	1.36
Zn-D	mg/L	<0.0050	<0.0050	<0.0050

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EMS ID	E283433			
Site Description				
Site Name	2NPS	2NPS-4APR22-M	2NPS-2MAY22-M	2NPS-1JUN22-M
Date	04-04-2022		02-05-2022	01-06-2022
pH-F	pH Units	7.29	7.42	7.66
Cond-F	uS/cm	1738.1	1537	2070
SO4-D	mg/L	860	680	1100
Alk-T	mg/L	250	200	250
Acidity83	mg/L	1.6	4.6	3.1
Al-T	mg/L	0.116	1.11	0.0155
As-T	mg/L	0.00076	0.00267	0.00071
Ba-T	mg/L	0.0127	0.0129	0.0110
B-T	mg/L	0.68	0.455	0.79
Cd-T	mg/L	<0.000020	0.000013	<0.000020
Ca-T	mg/L	255	183	289
Cr-T	mg/L	<0.0020	0.0027	<0.0020
Co-T	mg/L	0.00140	0.00243	0.00118
Cu-T	mg/L	0.0017	0.00781	<0.0010
Hard-T	mg/L	749	539	858
Fe-T	mg/L	0.401	1.73	0.255
Pb-T	mg/L	<0.00040	0.00032	<0.00040
Mg-T	mg/L	27.1	20.0	33.2
Mn-T	mg/L	0.152	0.170	0.205
Hg-T	mg/L			
Mo-T	mg/L	<0.0020	<0.0010	<0.0020
Ni-T	mg/L	0.0033	0.0046	0.0030
K-T	mg/L	3.13	2.61	3.87
S-T	mg/L	305	212	348
Se-T	mg/L	<0.00020	<0.00010	<0.00020
Si-T	mg/L	2.75	3.54	3.17
Ag-T	mg/L	<0.000040	<0.000020	<0.000040
Na-T	mg/L	194	132	234
Sr-T	mg/L	1.82	1.18	2.10
Zn-T	mg/L	<0.010	0.0088	<0.010
Al-D	mg/L	0.0133	0.0088	0.0102
As-D	mg/L	0.00035	0.00043	0.00052
Ba-D	mg/L	0.0116	0.0104	0.0111
B-D	mg/L	0.64	0.600	0.75
Be-D	mg/L	<0.00020	<0.00010	<0.00020
Cd-D	mg/L	<0.000020	<0.000010	<0.000020
Ca-D	mg/L	236	190	287
Cr-D	mg/L	<0.0020	<0.0010	<0.0020
Co-D	mg/L	0.00128	0.00112	0.00118
Cu-D	mg/L	<0.00040	0.00064	<0.00040
Hard-D	mg/L	697	558	855
Fe-D	mg/L	0.061	<0.0050	0.021
Pb-D	mg/L	<0.00040	<0.00020	<0.00040
Mg-D	mg/L	26.3	20.1	33.4
Mn-D	mg/L	0.138	0.146	0.205
Hg-D	mg/L	<0.0000019		
Mo-D	mg/L	<0.0020	<0.0010	<0.0020
Ni-D	mg/L	0.0029	0.0023	0.0031
K-D	mg/L	3.22	2.59	4.08
S-D	mg/L	281	221	362
Se-D	mg/L	<0.00020	<0.00010	<0.00020
Si-D	mg/L	2.78	2.21	3.14
Na-D	mg/L	181	141	233
Sr-D	mg/L	1.55	1.24	2.04
Zn-D	mg/L	<0.010	<0.0050	<0.010

Table 8 Road Side Ditch Draining into MQL 1 Page(s)

EMS ID				
Site Description		Road Side Ditch Draining into MQL		
Site Name	PDSR	PDSR-4APR22-M	PDSR-2MAY22-M	PDSR-1JUN22-M
Date		04-04-2022	02-05-2022	01-06-2022
pH-F	pH Units	7.7	7.86	7.77
Cond-F	uS/cm	1038.1	1282	1586
SO4-D	mg/L	410	560	830
TSS	mg/L	<1.0	2.4	<1.0
Al-T	mg/L	0.0302	0.416	0.0187
As-T	mg/L	<0.00010	0.00027	<0.00020
Ba-T	mg/L	0.0146	0.0199	0.0280
B-T	mg/L	0.208	0.230	0.36
Cd-T	mg/L	<0.000010	<0.000010	<0.000020
Ca-T	mg/L	167	199	267
Cr-T	mg/L	<0.0010	<0.0010	<0.0020
Co-T	mg/L	<0.00020	0.00026	<0.00040
Cu-T	mg/L	<0.00050	0.00142	<0.0010
Hard-T	mg/L	527	628	848
Fe-T	mg/L	0.022	0.497	<0.020
Pb-T	mg/L	<0.00020	<0.00020	<0.00040
Mg-T	mg/L	26.5	32.1	43.8
Mn-T	mg/L	0.0010	0.0115	<0.0020
Hg-T	mg/L			
Mo-T	mg/L	<0.0010	<0.0010	<0.0020
Ni-T	mg/L	<0.0010	<0.0010	<0.0020
K-T	mg/L	1.12	1.56	2.11
S-T	mg/L	154	180	253
Se-T	mg/L	<0.00010	<0.00010	<0.00020
Si-T	mg/L	3.63	4.09	3.69
Ag-T	mg/L	<0.000020	<0.000020	<0.000040
Na-T	mg/L	36.7	43.1	57.6
Sr-T	mg/L	1.04	1.16	1.67
Zn-T	mg/L	<0.0050	<0.0050	<0.010
Al-D	mg/L	0.0254	0.0119	0.0084
As-D	mg/L	<0.00010	<0.00010	<0.00020
Ba-D	mg/L	0.0139	0.0185	0.0267
B-D	mg/L	0.209	0.302	0.34
Be-D	mg/L	<0.00010	<0.00010	<0.00020
Cd-D	mg/L	<0.000010	<0.000010	<0.000020
Ca-D	mg/L	160	203	273
Cr-D	mg/L	<0.0010	<0.0010	<0.0020
Co-D	mg/L	<0.00020	<0.00020	<0.00040
Cu-D	mg/L	0.00039	0.00038	0.00051
Hard-D	mg/L	508	642	857
Fe-D	mg/L	<0.0050	<0.0050	<0.010
Pb-D	mg/L	<0.00020	<0.00020	<0.00040
Mg-D	mg/L	26.1	32.8	42.6
Mn-D	mg/L	<0.0010	0.0010	<0.0020
Hg-D	mg/L	<0.0000019		
Mo-D	mg/L	<0.0010	<0.0010	<0.0020
Ni-D	mg/L	<0.0010	<0.0010	<0.0020
K-D	mg/L	1.21	1.42	2.04
S-D	mg/L	152	187	252
Se-D	mg/L	<0.00010	<0.00010	<0.00020
Si-D	mg/L	3.67	3.78	3.75
Na-D	mg/L	36.1	45.7	55.4
Sr-D	mg/L	0.945	1.21	1.68
Zn-D	mg/L	<0.0050	<0.0050	<0.010

Table 9 Culvert at Middle Quinsam Lake Road 1 Page(s)

EMS ID	E207411					
Site Description	Culvert at Middle Quinsam Lake Road					
Site Name	WC	WC-4APR22-M	WC-4APR22-R	WC-2MAY22-M	WC-1JUN22-M	WC-1JUN22-R
Date		04-04-2022	04-04-2022	02-05-2022	01-06-2022	01-06-2022
pH-F	pH Units	8.14	8.14	8.29	8.35	8.35
Cond-F	uS/cm	1402.4	1402.4	1617	1600	1600
SO4-D	mg/L	370	330	500	470	490
TSS	mg/L	<1.0	3.2	1.6	<1.0	<1.0
Al-T	mg/L			0.0044		
As-T	mg/L			0.00048		
Ba-T	mg/L			0.0143		
B-T	mg/L			0.752		
Cd-T	mg/L			<0.000010		
Ca-T	mg/L			105		
Cr-T	mg/L			<0.0010		
Co-T	mg/L			<0.00020		
Cu-T	mg/L			<0.00050		
Hard-T	mg/L			316		
Fe-T	mg/L			0.210		
Pb-T	mg/L			<0.00020		
Mg-T	mg/L			12.8		
Mn-T	mg/L			0.0081		
Hg-T	mg/L					
Mo-T	mg/L			<0.0010		
Ni-T	mg/L			<0.0010		
K-T	mg/L			3.53		
S-T	mg/L			166		
Se-T	mg/L			<0.00010		
Si-T	mg/L			2.64		
Ag-T	mg/L			<0.000020		
Na-T	mg/L			256		
Sr-T	mg/L			1.02		
Zn-T	mg/L			<0.0050		
Al-D	mg/L			0.0036		
As-D	mg/L			0.00035		
Ba-D	mg/L			0.0137		
B-D	mg/L			0.960		
Be-D	mg/L			<0.00010		
Cd-D	mg/L			<0.000010		
Ca-D	mg/L			103		
Cr-D	mg/L			<0.0010		
Co-D	mg/L			<0.00020		
Cu-D	mg/L			0.00029		
Hard-D	mg/L			310		
Fe-D	mg/L			0.0113		
Pb-D	mg/L			<0.00020		
Mg-D	mg/L			12.7		
Mn-D	mg/L			0.0072		
Hg-D	mg/L					
Mo-D	mg/L			<0.0010		
Ni-D	mg/L			<0.0010		
K-D	mg/L			3.47		
S-D	mg/L			167		
Se-D	mg/L			<0.00010		
Si-D	mg/L			2.77		
Na-D	mg/L			264		
Sr-D	mg/L			1.05		
Zn-D	mg/L			<0.0050		

Appendix 1 - Tables (April through June 2022)

Table 10 Settling Pond #1 - Authorized Discharge Location for South Mine Water 1 Page(s)

EMS ID	E218582	Stn	Std	PL-S												
Site Description																
Settling Pond #1 - Authorized Discharge Location for South Mine Water																
Site Name	SPD	Std Val	SPD-4APR22-P	SPD-11APR22-P	SPD-18APR22-P	SPD-25APR22-P	SPD-2MAY22-P	SPD-9MAY22-P	SPD-16MAY22-P	SPD-24MAY22-P	SPD-1JUN22-P	SPD-6JUN22-P	SPD-13JUN22-P	SPD-20JUN22-P	SPD-27JUN22-P	SPD-27JUN22-R
Date		Max	Min	04-04-2022	11-04-2022	19-04-2022	25-04-2022	02-05-2022	09-05-2022	16-05-2022	24-05-2022	01-06-2022	06-06-2022	13-06-2022	20-06-2022	27-06-2022
pH-F	pH Units	8.5	6	7.56	7.24	6.89	7.29	7.88	7.98	8.22	8.14	8.07	7.93	7.90	7.99	7.81
Cond-F	uS/cm			723	537.5	459.1	626.6	749.7	742	818	845	811	871	880	931	1058
SO4-D	mg/L			220	190	180	300	320	280	370	310	370	410	440	250	420
TSS	mg/L	25	0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	2.4	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
Alk-T	mg/L			87				90				94				
Acidity83	mg/L			1.6				2.3				3.1				
Al-T	mg/L							0.0126								
As-T	mg/L							0.00058								
Ba-T	mg/L							0.0096								
B-T	mg/L							0.143								
Cd-T	mg/L							<0.000010								
Ca-T	mg/L							129								
Cr-T	mg/L							<0.0010								
Co-T	mg/L							<0.00020								
Cu-T	mg/L							<0.00050								
Hard-T	mg/L							385								
Fe-T	mg/L							0.063								
Pb-T	mg/L							<0.00020								
Mg-T	mg/L							15.4								
Mn-T	mg/L							0.0084								
Hg-T	mg/L															
Mo-T	mg/L							<0.0010								
Ni-T	mg/L							<0.0010								
K-T	mg/L							1.11								
S-T	mg/L							108								
Se-T	mg/L							0.00010								
Si-T	mg/L							1.90								
Ag-T	mg/L							<0.000020								
Na-T	mg/L							18.0								
Sr-T	mg/L							0.723								
Zn-T	mg/L							<0.0050								
Al-D	mg/L	0.5	0	0.0132				0.0082				0.0034				
As-D	mg/L			0.00075				0.00052				0.00064				
Ba-D	mg/L			0.0087				0.0094				0.0115				
B-D	mg/L			0.168				0.166				0.175				
Be-D	mg/L			<0.00010				<0.00010				<0.00010				
Cd-D	mg/L			<0.000010				<0.000010				<0.000010				
Ca-D	mg/L			106				129				135				
Cr-D	mg/L			<0.0010				<0.0010				<0.0010				
Co-D	mg/L			<0.00020				<0.00020				<0.00020				
Cu-D	mg/L	0.02	0	0.00029				0.00029				0.00036				
Hard-D	mg/L			320				388				407				
Fe-D	mg/L	0.5	0	0.0299				0.0209				0.0335				
Pb-D	mg/L	0.05	0	<0.00020				<0.00020				<0.00020				
Mg-D	mg/L			13.2				16.2				17.1				
Mn-D	mg/L			0.0098				0.0053				0.0045				
Hg-D	mg/L			<0.0000019												
Mo-D	mg/L			<0.0010				<0.0010				<0.0010				
Ni-D	mg/L			<0.0010				<0.0010				<0.0010				
K-D	mg/L			1.03				1.00				1.23				
S-D	mg/L			91.1				111				124				
Se-D	mg/L			<0.00010				0.00011				<0.00010				
Si-D	mg/L			2.18				1.78				0.64				
Na-D	mg/L			18.6				19.0				24.2				
Sr-D	mg/L			0.636				0.744				0.819				
Zn-D	mg/L	0.2	0	<0.0050				<0.0050				<0.0050				
O&G	mg/L	10	0	<1.0								<1.0				

Table 11 Passive Treatment System (PTS) Influent from 2-S Mine Pool 1 Page(s)

EMS ID															
Passive Treatment System (PTS) Influent from 2-S Mine Pool															
Site Name	INF	INF-4APR22-M	INF-11APR22-R	INF-11APR22-M	INF-19APR22-M	INF-25APR22-M	INF-2MAY22-M	INF-9MAY22-M	INF-16MAY22-M	INF-24MAY22-M	INF-1JUN22-M	INF-6JUN22-M	INF-13JUN22-M	INF-20JUN22-M	INF-27JUN22-M
Date		04-04-2022	11-04-2022	11-04-2022	19-04-2022	25-04-2022	02-05-2022	09-05-2022	16-05-2022	24-05-2022	01-06-2022	06-06-2022	13-06-2022	20-06-2022	27-06-2022
pH-F	pH Units	6.86	7	7	6.92	7.01	6.98	7.44	7.23	7.27	7.31	7.16	7.18	7.26	7.14
Cond-F	uS/cm	1390	1312.8	1312.8	1282.6	1186.3	1286	1344	1354	1537	1396	1370	1430	1509	1783
H2S	mg/L	<0.0020	<0.0019	<0.0019	<0.0020	0.0026	0.0036	<0.0020	<0.0020	<0.0020	<0.0020	0.0063	<0.0020	0.012	<0.0020
SO4-D	mg/L	530	500	470	480	380	510	520	540	610	600	580	630	630	610
TSS	mg/L	<1.0									4.0				
Alk-T	mg/L	220					230				240				
Acidity83	mg/L	12.4					14.3				4.0				
Al-T	mg/L	<0.0030					<0.0030				<0.0030				
As-T	mg/L	0.00255					0.00228				0.00265				
Ba-T	mg/L	0.0299					0.0235				0.0223				
B-T	mg/L	0.526					0.518				0.665				
Cd-T	mg/L	<0.00010					<0.00010				<0.00010				
Ca-T	mg/L	224					204				212				
Cr-T	mg/L	<0.0010					<0.0010				<0.0010				
Co-T	mg/L	0.00071					0.00092				0.00076				
Cu-T	mg/L	<0.00050					<0.00050				<0.00050				
Hard-T	mg/L	618					566				588				
Fe-T	mg/L	2.54					1.95				2.16				
Pb-T	mg/L	<0.00020					<0.00020				<0.00020				
Mg-T	mg/L	14.3					13.7				14.0				
Mn-T	mg/L	0.305					0.286				0.296				
Hg-T	mg/L														
Mo-T	mg/L	<0.0010					<0.0010				<0.0010				
Ni-T	mg/L	0.0012					0.0015				0.0013				
K-T	mg/L	1.64					1.69				1.70				
S-T	mg/L	191					179				188				
Se-T	mg/L	<0.00010					<0.00010				<0.00010				
Si-T	mg/L	3.28					3.10				3.14				
Ag-T	mg/L	<0.000020					<0.000020				<0.000020				
Na-T	mg/L	91.2					98.2				98.2				
Sr-T	mg/L	2.07					1.72				1.91				
Zn-T	mg/L	<0.0050					<0.0050				<0.0050				
Al-D	mg/L	<0.0030					<0.0030				<0.0030				
As-D	mg/L	0.00220					0.00195				0.00253				
Ba-D	mg/L	0.0192					0.0224				0.0231				
B-D	mg/L	0.547					0.629				0.488				
Be-D	mg/L	<0.00010					<0.00010				<0.00010				
Cd-D	mg/L	<0.000010					<0.000010				<0.000010				
Ca-D	mg/L	207					196				203				
Cr-D	mg/L	<0.0010					<0.0010				<0.0010				
Co-D	mg/L	0.00076					0.00083				0.00087				
Cu-D	mg/L	<0.00020					<0.00020				<0.00020				
Hard-D	mg/L	578					545				567				
Fe-D	mg/L	2.46					1.77				2.04				
Pb-D	mg/L	<0.00020					<0.00020				<0.00020				
Mg-D	mg/L	14.7					13.3				14.4				
Mn-D	mg/L	0.305					0.287				0.300				
Hg-D	mg/L	<0.000019													
Mo-D	mg/L	<0.0010					<0.0010				<0.0010				
Ni-D	mg/L	0.0012					0.0015				0.0015				
K-D	mg/L	1.69					1.51				1.74				
S-D	mg/L	186					178				191				
Se-D	mg/L	<0.00010					<0.00010				0.00014				
Si-D	mg/L	3.21					3.22				2.89				
Na-D	mg/L	90.2					98.4				99.7				
Sr-D	mg/L	1.83					1.78				1.83				
Zn-D	mg/L	<0.0050					<0.0050				<0.0050				

Appendix 1 - Tables (April through June 2022)

Table 12 PTS Biochemical Reactor Cell 1 Page(s)

Passive Treatment System Biochemical Reactor Cell															
Site Name	BCR	BCREFF-4APR22-M	BCREFF-11APR22-M	BCREFF-18APR22-M	BCR-25APR22-M	BCREFF-2MAY22-M	BCREFF-9MAY22-M	BCREFF-16MAY22-R	BCREFF-16MAY22-M	BCREFF-23MAY22-M	BCREFF-1JUN22-M	BCREFF-8JUN22-M	BCREFF-15JUN22-M	BCREFF-22JUN22-M	BCREFF-27JUN22-M
Date		04-04-2022	11-04-2022	19-04-2022	25-04-2022	02-05-2022	09-05-2022	16-05-2022	16-05-2022	23-05-2022	01-06-2022	08-06-2022	15-06-2022	22-06-2022	27-06-2022
pH-F	pH Units	6.9	7.03	6.9	6.99	7	7.39	7.21	7.21	7.28	7.26	7.13	7.12	7.20	7.10
Cond-F	uS/cm	1227	1276.5	1321.5	1169.8	173.1	1299	1235	1235	1340	1250	1271	1307	1375	1615
pH-L	pH Units	7.90	7.78	7.90	7.86	7.66	7.86	7.90	7.91	7.69	8.38	7.99			
Cond-L	uS/cm	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300			
TPS	mg/L	17	31	22	22	24	22	30	30	31	39	25		31	
NO ₃ -D	mg/L	450	430	430	430	470	420	360	410	440	450	480	500	520	490
TSS	mg/L	<1.0				<1.0					<1.0				
Alk-T	mg/L	220				230					270				
Acidity83	mg/L	14.8				16.8					12.6				
Al-T	mg/L	0.0082				0.0059					0.0073				
As-T	mg/L	<0.00010				0.00011					0.00017				
Ba-T	mg/L	0.0229				0.0219					0.0236				
B-T	mg/L	0.537				0.485					0.714				
Cd-T	mg/L	<0.000010				<0.000010					<0.000010				
Ca-T	mg/L	199				181					205				
Cr-T	mg/L	<0.0010				<0.0010					<0.0010				
Co-T	mg/L	<0.00020				<0.00020					<0.00020				
Cu-T	mg/L	<0.00050				<0.00050					<0.00050				
Hard-T	mg/L	547				502					562				
Fe-T	mg/L	0.011				<0.010					<0.010				
Pb-T	mg/L	<0.00020				<0.00020					<0.00020				
Mg-T	mg/L	12.2				12.2					12.4				
Mn-T	mg/L	0.290				0.258					0.243				
Hg-T	mg/L														
Mo-T	mg/L	<0.0010				<0.0010					<0.0010				
Ni-T	mg/L	<0.0010				<0.0010					<0.0010				
K-T	mg/L	1.45				1.60					1.71				
S-T	mg/L	160				152					149				
Se-T	mg/L	<0.00010				<0.00010					<0.00010				
Si-T	mg/L	3.28				3.09					3.90				
Ag-T	mg/L	<0.000020				<0.000020					<0.000020				
Na-T	mg/L	85.2				85.2					95.2				
Sr-T	mg/L	1.84				1.59					1.83				
Zn-T	mg/L	<0.0050				<0.0050					<0.0050				
Al-D	mg/L	0.0079				0.0040					0.0054				
As-D	mg/L	<0.00010				0.00012					0.00014				
Ba-D	mg/L	0.0212				0.0213					0.0237				
B-D	mg/L	0.556				0.521					0.544				
Be-D	mg/L	<0.00010				<0.00010					<0.00010				
Cd-D	mg/L	<0.000010				<0.000010					<0.000010				
Ca-D	mg/L	188				183					187				
Cr-D	mg/L	<0.0010				<0.0010					<0.0010				
Co-D	mg/L	<0.00020				<0.00020					<0.00020				
Cu-D	mg/L	<0.00020				<0.00020					0.00020				
Hard-D	mg/L	520				507					519				
Fe-D	mg/L	<0.0050				<0.0050					<0.0050				
Pb-D	mg/L	<0.00020				<0.00020					<0.00020				
Mg-D	mg/L	12.5				11.9					12.7				
Mn-D	mg/L	0.293				0.263					0.246				
Hg-D	mg/L	<0.0000019													
Mo-D	mg/L	<0.0010				<0.0010					<0.0010				
Ni-D	mg/L	<0.0010				<0.0010					<0.0010				
K-D	mg/L	1.55				1.41					1.72				
S-D	mg/L	214				199					344				
Se-D	mg/L	0.00205				0.0176					0.00156				
Si-D	mg/L	3.31				3.22					3.52				
Na-D	mg/L	85.0				87.5					95.1				
Sr-D	mg/L	1.67				1.64					1.72				
Zn-D	mg/L	<0.0050				<0.0050					<0.0050				

Appendix 1 - Tables (April through June 2022)

Table 13 PTS Sulphide Polishing Cell 1 Page(s)

Passive Treatment System														
Sulphide Polishing Cell														
Site Description	SPCEFF	SPCEFF-04PR22-M	SPCEFF-11APR22-M	SPCEFF-18APR22-M	SPCEFF-25APR22-M	SPCEFF-02MAY22-M	SPCEFF-09MAY22-M	SPCEFF-16MAY22-M	SPCEFF-24MAY22-M	SPCEFF-31MAY22-M	SPCEFF-07JUN22-M	SPCEFF-14JUN22-M	SPCEFF-21JUN22-M	SPCEFF-28JUN22-M
Site Name	SPCEFF	04-04-2022	11-04-2022	18-04-2022	25-04-2022	02-05-2022	09-05-2022	16-05-2022	24-05-2022	31-05-2022	07-06-2022	14-06-2022	21-06-2022	28-06-2022
Date	pH Units	7.05	7.08	7.02	7.46	7.54	8.04	8.05	7.65	7.63	7.64	7.59	7.72	7.61
Cond-F	uS/cm	1222	1219.6	1291.6	1153.3	1145.1	1206	1071	1300	1200	1188	1239	1312	1472
H2S	mg/L	2.0	0.16	0.017	0.017	0.19	0.069	0.014	0.99	1.0	0.20	0.81		
SO4-D	mg/L	450	330	360	370	420	440	390	420	420	450	480	480	470
TSS	mg/L	<1.0				1.6				<1.0				
Alk-T	mg/L	240				230				270				
Acidity83	mg/L	12.9				9.7				7.1				
Al-T	mg/L	0.0059				0.0061				0.0094				
As-T	mg/L	0.00014				0.00078				0.00162				
Ba-T	mg/L	0.0233				0.0249				0.0279				
B-T	mg/L	0.557				0.492				0.585				
Cd-T	mg/L	<0.000010				<0.000010				<0.000010				
Ca-T	mg/L	199				178				180				
Cr-T	mg/L	<0.0010				<0.0010				<0.0010				
Co-T	mg/L	<0.00020				<0.00020				<0.00020				
Cu-T	mg/L	<0.00050				<0.00050				<0.00050				
Hard-T	mg/L	548				495				503				
Fe-T	mg/L	0.021				0.660				0.365				
Pb-T	mg/L	<0.00020				<0.00020				<0.00020				
Mg-T	mg/L	12.6				12.1				12.9				
Mn-T	mg/L	0.254				0.186				0.146				
Hg-T	mg/L													
Mo-T	mg/L	<0.0010				<0.0010				<0.0010				
Ni-T	mg/L	<0.0010				<0.0010				<0.0010				
K-T	mg/L	1.48				1.51				1.67				
S-T	mg/L	157				147				140				
Se-T	mg/L	<0.00010				<0.00010				<0.00010				
Si-T	mg/L	3.22				3.12				3.79				
Ag-T	mg/L	<0.000020				<0.000020				<0.000020				
Na-T	mg/L	88.2				81.2				94.0				
Sr-T	mg/L	1.86				1.60				1.69				
Zn-T	mg/L	<0.0050				<0.0050				<0.0050				
Al-D	mg/L	0.0051				<0.0030				0.0065				
As-D	mg/L	0.00013				0.00053				0.00154				
Ba-D	mg/L	0.0213				0.0239				0.0275				
B-D	mg/L	0.563				0.639				0.509				
Be-D	mg/L	<0.00010				<0.00010				<0.00010				
Cd-D	mg/L	<0.000010				<0.000010				<0.000010				
Ca-D	mg/L	182				181				181				
Cr-D	mg/L	<0.0010				<0.0010				<0.0010				
Co-D	mg/L	<0.00020				<0.00020				<0.00020				
Cu-D	mg/L	<0.00020				<0.00020				<0.00020				
Hard-D	mg/L	507				501				504				
Fe-D	mg/L	0.0104				0.0727				0.154				
Pb-D	mg/L	<0.00020				<0.00020				<0.00020				
Mg-D	mg/L	12.4				11.9				12.5				
Mn-D	mg/L	0.247				0.176				0.141				
Hg-D	mg/L	<0.0000019												
Mo-D	mg/L	<0.0010				<0.0010				<0.0010				
Ni-D	mg/L	<0.0010				<0.0010				<0.0010				
K-D	mg/L	1.52				1.36				1.65				
S-D	mg/L	170				151				143				
Se-D	mg/L	0.00441				0.00047				0.00047				
Si-D	mg/L	3.07				3.29				3.70				
Na-D	mg/L	84.6				85.2				93.0				
Sr-D	mg/L	1.63				1.65				1.67				
Zn-D	mg/L	<0.0050				<0.0050				<0.0050				

Appendix 1 - Tables (April through June 2022)

Table 14 2 South Pit Inflow 1 Page(s)

Site Description		2 South Pit Inflow															
Site Name	251	251-4APR22-M	251-11APR22-M	251-19APR22-M	251-25APR22-M	251-25APR22-R	251-25MAY22-M	251-9MAY22-M	251-16MAY22-M	251-24MAY22-M	251-1JUN22-M	251-6JUN22-M	251-13JUN22-M	251-13JUN22-R	251-20JUN22-M	251-27JUN22-M	
Date		04-04-2022	11-04-2022	19-04-2022	25-04-2022	25-04-2022	02-05-2022	09-05-2022	16-05-2022	24-05-2022	01-06-2022	06-06-2022	13-06-2022	13-06-2022	20-06-2022	27-06-2022	
pH-F	pH Units	7.2	7.48	7.64	7.55	7.55	7.38	7.85	7.83	7.88	7.90	7.75	7.88	7.88	7.91	7.84	
Cond-F	uS/cm	634.2	541.6	700	950.9	950.9	797.4	966	1095	1250	1207	1160	1224	1224	1314	1558	
H2S	mg/L	0.048	<0.0019	0.0066	0.044	0.046	0.0036	0.018	0.024	0.0030	0.029	0.014	0.0079	0.0085	0.0079		
SO4-D	mg/L	210	170	220	310	460	330	310	450	470	440	460	470	490	530	510	
TSS	mg/L	<1.0									<1.0						
Alk-T	mg/L	100					130				240						
Acidity83	mg/L	2.5					4.3				<1.0						
Al-T	mg/L	0.0300					0.0171				0.0048						
As-T	mg/L	0.00021					0.00021				0.00044						
Ba-T	mg/L	0.0140					0.0175				0.0238						
B-T	mg/L	0.217					0.289				0.580						
Cd-T	mg/L	<0.000010					<0.000010				<0.000010						
Ca-T	mg/L	92.8					122				183						
Cr-T	mg/L	<0.0010					<0.0010				<0.0010						
Co-T	mg/L	0.00022					0.00021				0.00024						
Cu-T	mg/L	<0.00050					<0.00050				0.00054						
Hard-T	mg/L	266					347				508						
Fe-T	mg/L	0.178					0.138				0.213						
Pb-T	mg/L	<0.00020					<0.00020				<0.00020						
Mg-T	mg/L	8.32					10.4				12.4						
Mn-T	mg/L	0.0738					0.0931				0.151						
Hg-T	mg/L																
Mo-T	mg/L	<0.0010					<0.0010				<0.0010						
Ni-T	mg/L	<0.0010					<0.0010				<0.0010						
K-T	mg/L	0.679					1.04				1.31						
S-T	mg/L	76.7					108				142						
Se-T	mg/L	<0.00010					<0.00010				<0.00010						
Si-T	mg/L	3.78					3.35				3.49						
Ag-T	mg/L	<0.000020					<0.000020				<0.000020						
Na-T	mg/L	29.2					52.0				80.5						
Sr-T	mg/L	0.769					0.937				1.55						
Zn-T	mg/L	<0.0050					0.0071				0.0079						
Al-D	mg/L	0.0119					0.0058				0.0030						
As-D	mg/L	0.00017					0.00019				0.00037						
Ba-D	mg/L	0.0131					0.0170				0.0249						
B-D	mg/L	0.241					0.359				0.449						
Be-D	mg/L	<0.00010					<0.00010				<0.00010						
Cd-D	mg/L	<0.000010					<0.000010				<0.000010						
Ca-D	mg/L	92.1					120				180						
Cr-D	mg/L	<0.0010					<0.0010				<0.0010						
Co-D	mg/L	<0.00020					<0.00020				0.00028						
Cu-D	mg/L	0.00051					0.00031				<0.00020						
Hard-D	mg/L	265					343				506						
Fe-D	mg/L	0.0872					0.0775				0.0581						
Pb-D	mg/L	<0.00020					<0.00020				<0.00020						
Mg-D	mg/L	8.51					10.2				13.5						
Mn-D	mg/L	0.0719					0.0925				0.158						
Hg-D	mg/L	<0.0000019															
Mo-D	mg/L	<0.0010					<0.0010				<0.0010						
Ni-D	mg/L	<0.0010					<0.0010				<0.0010						
K-D	mg/L	0.754					0.923				1.49						
S-D	mg/L	78.6					108				148						
Se-D	mg/L	<0.00010					<0.00010				<0.00010						
Si-D	mg/L	3.52					3.54				3.35						
Na-D	mg/L	33.3					51.5				88.7						
Sr-D	mg/L	0.703					0.976				1.57						
Zn-D	mg/L	<0.0050					<0.0050				<0.0050						

Appendix 1 - Tables (April through June 2022)

Table 15 2-South Pit in Pit Water Cover Over PAG-CCR 1 Page(s)

EMS ID	E292127 2-South Pit in Pit Water Cover Over PAG-CCR			
Site Description	PAG-CCR			
Site Name	2S	2S-4APR22-M	2S-2MAY22-M	2S-1JUN22-M
Date	04-04-2022	02-05-2022	01-06-2022	
pH-F	pH Units	8.01	7.88	8.30
Cond-F	uS/cm	726	740	950
SO4-D	mg/L	270	310	370
TSS	mg/L	<1.0		<1.0
Alk-T	mg/L	100	120	130
Acidity83	mg/L	<1.0	<1.0	<1.0
Al-T	mg/L	0.0216	0.0098	0.0056
As-T	mg/L	0.00039	0.00027	0.00036
Ba-T	mg/L	0.0141	0.0152	0.0176
B-T	mg/L	0.271	0.267	0.441
Cd-T	mg/L	<0.000010	<0.000010	<0.000010
Ca-T	mg/L	97.1	108	141
Cr-T	mg/L	<0.0010	<0.0010	<0.0010
Co-T	mg/L	<0.00020	<0.00020	<0.00020
Cu-T	mg/L	0.00054	<0.00050	<0.00050
Hard-T	mg/L	278	308	399
Fe-T	mg/L	0.068	0.042	0.024
Pb-T	mg/L	<0.00020	<0.00020	<0.00020
Mg-T	mg/L	8.55	9.60	11.4
Mn-T	mg/L	0.0141	0.0170	0.0100
Hg-T	mg/L			
Mo-T	mg/L	<0.0010	<0.0010	<0.0010
Ni-T	mg/L	<0.0010	<0.0010	<0.0010
K-T	mg/L	0.753	0.955	1.12
S-T	mg/L	87.5	99.8	131
Se-T	mg/L	<0.00010	<0.00010	<0.00010
Si-T	mg/L	2.50	2.53	2.25
Ag-T	mg/L	<0.000020	<0.000020	<0.000020
Na-T	mg/L	39.2	46.6	64.6
Sr-T	mg/L	0.828	0.865	1.25
Zn-T	mg/L	<0.0050	<0.0050	0.0053
Al-D	mg/L	0.0042	<0.0030	<0.0030
As-D	mg/L	0.00034	0.00028	0.00032
Ba-D	mg/L	0.0133	0.0142	0.0178
B-D	mg/L	0.270	0.338	0.347
Be-D	mg/L	<0.00010	<0.00010	<0.00010
Cd-D	mg/L	<0.000010	<0.000010	<0.000010
Ca-D	mg/L	95.6	110	135
Cr-D	mg/L	<0.0010	<0.0010	<0.0010
Co-D	mg/L	<0.00020	<0.00020	<0.00020
Cu-D	mg/L	0.00044	0.00037	0.00043
Hard-D	mg/L	274	315	384
Fe-D	mg/L	0.0152	0.0129	0.0101
Pb-D	mg/L	<0.00020	<0.00020	<0.00020
Mg-D	mg/L	8.52	9.53	11.5
Mn-D	mg/L	0.0079	0.0091	0.0081
Hg-D	mg/L	<0.000019		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010
Ni-D	mg/L	<0.0010	<0.0010	<0.0010
K-D	mg/L	0.819	0.839	1.22
S-D	mg/L	84.3	100	131
Se-D	mg/L	<0.00010	<0.00010	<0.00010
Si-D	mg/L	2.60	2.74	2.31
Na-D	mg/L	39.1	46.7	66.6
Sr-D	mg/L	0.772	0.882	1.17
Zn-D	mg/L	<0.0050	<0.0050	<0.0050

Appendix 1 - Tables (April through June 2022)

Table 16 2-South Outflow Culvert into 3-South Pit 1 Page(s)

EMS ID				
Site Description 2-South Outflow Culvert into 3-South Pit				
Site Name	2SC	2SC-4APR22-M	2SC-2MAY22-M	2SC-1JUN22-M
Date	04-04-2022	02-05-2022	01-06-2022	
pH-F	pH Units	7.69	7.71	8.06
Cond-F	uS/cm	1176	1104.7	1177
SO4-D	mg/L	550	520	530
Alk-T	mg/L	170	150	170
Acidity83	mg/L	<1.0	3.5	<1.0
Al-T	mg/L	0.0079	0.0046	0.0032
As-T	mg/L	0.00020	0.00025	0.00039
Ba-T	mg/L	0.0114	0.0116	0.0136
B-T	mg/L	0.224	0.218	0.357
Cd-T	mg/L	<0.000010	<0.000010	<0.000010
Ca-T	mg/L	226	193	221
Cr-T	mg/L	<0.0010	<0.0010	<0.0010
Co-T	mg/L	<0.00020	<0.00020	<0.00020
Cu-T	mg/L	<0.00050	<0.00050	<0.00050
Hard-T	mg/L	672	574	649
Fe-T	mg/L	0.019	0.018	0.014
Pb-T	mg/L	<0.00020	<0.00020	<0.00020
Mg-T	mg/L	26.4	22.2	23.8
Mn-T	mg/L	0.0049	0.0085	0.0054
Hg-T	mg/L			
Mo-T	mg/L	<0.0010	<0.0010	<0.0010
Ni-T	mg/L	<0.0010	<0.0010	<0.0010
K-T	mg/L	1.58	1.69	1.84
S-T	mg/L	180	161	174
Se-T	mg/L	0.00020	0.00018	0.00015
Si-T	mg/L	2.52	2.01	1.87
Ag-T	mg/L	<0.000020	<0.000020	<0.000020
Na-T	mg/L	24.3	29.9	38.8
Sr-T	mg/L	1.29	1.09	1.29
Zn-T	mg/L	<0.0050	<0.0050	<0.0050
Al-D	mg/L	<0.0060	<0.0030	<0.0030
As-D	mg/L	<0.00020	0.00024	0.00035
Ba-D	mg/L	0.0110	0.0118	0.0144
B-D	mg/L	0.24	0.306	0.272
Be-D	mg/L	<0.00020	<0.00010	<0.00010
Cd-D	mg/L	<0.000020	<0.000010	<0.000010
Ca-D	mg/L	218	205	203
Cr-D	mg/L	<0.0020	<0.0010	<0.0010
Co-D	mg/L	<0.00040	<0.00020	<0.00020
Cu-D	mg/L	<0.00040	0.00024	0.00034
Hard-D	mg/L	655	605	606
Fe-D	mg/L	<0.010	0.0078	0.0080
Pb-D	mg/L	<0.00040	<0.00020	<0.00020
Mg-D	mg/L	27.1	23.0	23.9
Mn-D	mg/L	0.0042	0.0084	0.0050
Hg-D	mg/L	<0.0000019		
Mo-D	mg/L	<0.0020	<0.0010	<0.0010
Ni-D	mg/L	<0.0020	<0.0010	<0.0010
K-D	mg/L	1.73	1.56	1.86
S-D	mg/L	178	168	175
Se-D	mg/L	<0.00020	0.00019	0.00019
Si-D	mg/L	2.55	1.91	1.85
Na-D	mg/L	24.6	32.3	40.2
Sr-D	mg/L	1.16	1.17	1.23
Zn-D	mg/L	<0.010	<0.0050	<0.0050

Appendix 1 - Tables (April through June 2022)

Table 17 3-South Pit Water Cover Over PAG-CCR 1 Page(s)

EMS ID		E217015		
Site Description		3-South Pit Water Cover Over PAG-CCR		
Site Name	3S	3S-4APR22-M	3S-2MAY22-M	3S-1JUN22-M
Date		04-04-2022	02-05-2022	01-06-2022
pH-F	pH Units	7.7	7.74	8.10
Cond-F	uS/cm	1169	1016.2	1206
SO4-D	mg/L	530	460	570
Alk-T	mg/L	150	120	140
Acidity83	mg/L	1.3	2.8	<1.0
Al-T	mg/L	0.0951	0.402	0.0044
As-T	mg/L	0.00030	0.00037	0.00035
Ba-T	mg/L	0.0124	0.0125	0.0135
B-T	mg/L	0.237	0.201	0.346
Cd-T	mg/L	<0.000010	<0.000010	<0.000010
Ca-T	mg/L	218	175	227
Cr-T	mg/L	<0.0010	<0.0010	<0.0010
Co-T	mg/L	<0.00020	0.00041	<0.00020
Cu-T	mg/L	0.00066	0.00208	<0.00050
Hard-T	mg/L	653	524	676
Fe-T	mg/L	0.146	0.575	0.020
Pb-T	mg/L	<0.00020	<0.00020	<0.00020
Mg-T	mg/L	26.4	21.1	26.5
Mn-T	mg/L	0.0057	0.0125	0.0064
Hg-T	mg/L			
Mo-T	mg/L	<0.0010	<0.0010	<0.0010
Ni-T	mg/L	<0.0010	<0.0010	<0.0010
K-T	mg/L	1.68	1.62	1.96
S-T	mg/L	185	147	191
Se-T	mg/L	0.00016	0.00016	0.00016
Si-T	mg/L	1.74	1.90	1.35
Ag-T	mg/L	<0.000020	<0.000020	<0.000020
Na-T	mg/L	26.6	25.3	35.7
Sr-T	mg/L	1.34	0.996	1.38
Zn-T	mg/L	<0.0050	<0.0050	<0.0050
Al-D	mg/L	0.0089	<0.0030	<0.0030
As-D	mg/L	0.00024	0.00024	0.00031
Ba-D	mg/L	0.0119	0.0116	0.0137
B-D	mg/L	0.26	0.285	0.256
Be-D	mg/L	<0.00020	<0.00010	<0.00010
Cd-D	mg/L	<0.000020	<0.000010	<0.000010
Ca-D	mg/L	216	189	218
Cr-D	mg/L	<0.0020	<0.0010	<0.0010
Co-D	mg/L	<0.00040	<0.00020	<0.00020
Cu-D	mg/L	<0.00040	0.00048	0.00035
Hard-D	mg/L	650	567	654
Fe-D	mg/L	<0.010	0.0062	0.0104
Pb-D	mg/L	<0.00040	<0.00020	<0.00020
Mg-D	mg/L	26.9	22.9	26.9
Mn-D	mg/L	0.0028	0.0047	0.0048
Hg-D	mg/L	<0.0000019		
Mo-D	mg/L	<0.0020	<0.0010	<0.0010
Ni-D	mg/L	<0.0020	<0.0010	<0.0010
K-D	mg/L	1.83	1.62	2.01
S-D	mg/L	185	163	198
Se-D	mg/L	<0.00020	0.00015	0.00022
Si-D	mg/L	1.90	0.91	1.39
Na-D	mg/L	27.3	28.0	37.3
Sr-D	mg/L	1.22	1.10	1.31
Zn-D	mg/L	<0.010	<0.0050	<0.0050

Table 18 Culvert Downstream End at Access Road 1 Page(s)

EMS ID		E217014			
Site Description		Culvert Downstream End at Access Road			
Site Name	SPC	SPC-4APR22-M	SPC-2MAY22-M	SPC-2MAY22-R	SPC-1JUN22-M
Date		04-Apr-22	02-May-22	02-May-22	01-06-2022
pH-F	pH Units	7.78	7.8	7.8	7.81
Cond-F	uS/cm	274.6	258.6	258.6	349
pH-L	pH Units	7.28	7.13	7.26	7.86
Cond-L	uS/cm	270	280	280	360
SO4-D	mg/L	100	97	100	130
TSS	mg/L	<1.0	<1.0	<1.0	<1.0
Alk-T	mg/L	35	37	38	45
Acidity83	mg/L	1.3	1.0	<1.0	<1.0
Al-T	mg/L		0.0552	0.0601	
As-T	mg/L		0.00028	0.00028	
Ba-T	mg/L		0.0078	0.0077	
B-T	mg/L		0.054	0.056	
Cd-T	mg/L		<0.000010	<0.000010	
Ca-T	mg/L		38.2	38.1	
Cr-T	mg/L		<0.0010	<0.0010	
Co-T	mg/L		<0.00020	<0.00020	
Cu-T	mg/L		<0.00050	<0.00050	
Hard-T	mg/L		116	116	
Fe-T	mg/L		0.074	0.075	
Pb-T	mg/L		<0.00020	<0.00020	
Mg-T	mg/L		4.96	5.13	
Mn-T	mg/L		0.0021	0.0021	
Hg-T	mg/L				
Mo-T	mg/L		<0.0010	<0.0010	
Ni-T	mg/L		<0.0010	<0.0010	
K-T	mg/L		0.395	0.409	
S-T	mg/L		29.1	29.7	
Se-T	mg/L		<0.00010	<0.00010	
Si-T	mg/L		2.65	2.65	
Ag-T	mg/L		<0.000020	<0.000020	
Na-T	mg/L		6.44	6.61	
Sr-T	mg/L		0.220	0.218	
Zn-T	mg/L		<0.0050	<0.0050	
Al-D	mg/L		0.0484	0.0470	
As-D	mg/L		0.00027	0.00027	
Ba-D	mg/L		0.0074	0.0074	
B-D	mg/L		0.065	0.066	
Be-D	mg/L		<0.00010	<0.00010	
Cd-D	mg/L		<0.000010	<0.000010	
Ca-D	mg/L		38.3	37.4	
Cr-D	mg/L		<0.0010	<0.0010	
Co-D	mg/L		<0.00020	<0.00020	
Cu-D	mg/L		0.00042	0.00042	
Hard-D	mg/L		117	114	
Fe-D	mg/L		0.0516	0.0526	
Pb-D	mg/L		<0.00020	<0.00020	
Mg-D	mg/L		5.11	5.06	
Mn-D	mg/L		0.0012	0.0012	
Hg-D	mg/L				
Mo-D	mg/L		<0.0010	<0.0010	
Ni-D	mg/L		<0.0010	<0.0010	
K-D	mg/L		0.360	0.362	
S-D	mg/L		31.6	31.5	
Se-D	mg/L		<0.00010	<0.00010	
Si-D	mg/L		2.48	2.41	
Na-D	mg/L		6.52	6.54	
Sr-D	mg/L		0.222	0.223	
Zn-D	mg/L		<0.0050	<0.0050	

Table 19 South End Mine Water Entering Long Lake Near the Outlet 1 Page(s)

EMS ID	E292130	Stn Std	Max-WQG
South End Mine Water Entering Long Lake Near the Outlet			
Site Description	Site Name	Std Val	Max
Date	LLE	8/4-8/22	11/4-2022
pH-F	pH Units	9.0	7.55
Cond-F	uS/cm	274.2	272.4
SO4-D	mg/L	94	98
TSS	mg/L	25	<1.0
DOC	mg/L		3.8
Alk-T	mg/L		35
Acidiv83	mg/L		1.1
N-NH3	mg/L	12.9	<0.015
N-NO23	mg/L		<0.20
P-T	mg/L		0.0034
Al-T	mg/L		0.0859
As-T	mg/L	0.005	0.00045
Ba-T	mg/L		0.0098
B-T	mg/L		0.064
Cd-T	mg/L		<0.000010
Ca-T	mg/L		36.6
Cr-T	mg/L		<0.0010
Co-T	mg/L	0.11	<0.00020
Cu-T	mg/L		0.00054
Hard-T	mg/L		112
Fe-T	mg/L	1.0	0.321
Pb-T	mg/L	0.01763	<0.00020
Mg-T	mg/L		4.94
Mn-T	mg/L	0.8706	0.0195
Hg-T	mg/L		
Mo-T	mg/L	2.0	<0.0010
Ni-T	mg/L		<0.0010
K-T	mg/L		0.399
S-T	mg/L		31.0
Se-T	mg/L		<0.00010
Si-T	mg/L		2.94
Ag-T	mg/L	0.0001	<0.000020
Na-T	mg/L		7.20
Str-T	mg/L		0.211
Zn-T	mg/L	0.033	<0.0050
Al-D	mg/L	0.1	0.0417
As-D	mg/L		0.00036
Ba-D	mg/L		0.0091
B-D	mg/L		0.065
Be-D	mg/L		<0.00010
Cd-D	mg/L	0.00017	<0.000010
Ca-D	mg/L		35.1
Cr-D	mg/L		<0.0010
Co-D	mg/L		<0.00020
Cu-D	mg/L		0.00043
Hard-D	mg/L		107
Fe-D	mg/L	0.35	0.207
Pb-D	mg/L		<0.00020
Mg-D	mg/L		4.70
Mn-D	mg/L		0.0171
Hg-D	mg/L		<0.000019
Mo-D	mg/L		<0.0010
Ni-D	mg/L		<0.0010
K-D	mg/L		0.412
S-D	mg/L		28.4
Se-D	mg/L		<0.00010
Si-D	mg/L		2.91
Na-D	mg/L		7.05
Sr-D	mg/L		0.205
Zn-D	mg/L	0.033	<0.0050

Table 20 Seep into Long Lake 1 Page(s)

EMS ID	E292131	Stn Std	Max-WQG		
Site Description	Seep into Long Lake				
Site Name	LLS	Std Val	LLS-5APR22-M	LLS-3MAY22-M	LLS-1JUN22-M
Date		Max	05-04-2022	03-05-2022	01-06-2022
pH-F	pH Units	9.0	6.6	7.71	7.12
Cond-F	uS/cm		1539.5	1448	1552
SO4-D	mg/L		660	610	630
TSS	mg/L	25	6.8	4.0	2.8
Alk-T	mg/L		220	220	220
Acidity83	mg/L		7.1	14.0	<1.0
Al-T	mg/L		0.0273	0.0190	<0.0060
As-T	mg/L	0.005	0.00505	0.00367	0.00284
Ba-T	mg/L		0.0178	0.0165	0.0158
B-T	mg/L		0.60	0.466	0.64
Cd-T	mg/L		<0.000020	<0.000010	<0.000020
Ca-T	mg/L		260	215	241
Cr-T	mg/L		<0.0020	<0.0010	<0.0020
Co-T	mg/L	0.11	0.00148	0.00113	0.00108
Cu-T	mg/L		<0.0010	<0.00050	<0.0010
Hard-T	mg/L		740	618	683
Fe-T	mg/L	1.0	3.05	2.31	2.04
Pb-T	mg/L	0.01763	<0.00040	<0.00020	<0.00040
Mg-T	mg/L		21.8	19.4	20.1
Mn-T	mg/L	0.8706	0.483	0.315	0.333
Hg-T	mg/L				
Mo-T	mg/L	2.0	<0.0020	<0.0010	<0.0020
Ni-T	mg/L		0.0036	0.0025	0.0026
K-T	mg/L		2.38	2.37	2.27
S-T	mg/L		238	197	210
Se-T	mg/L		<0.00020	<0.00010	<0.00020
Si-T	mg/L		2.96	2.69	2.53
Ag-T	mg/L	0.0001	<0.000040	<0.000020	<0.000040
Na-T	mg/L		96.0	88.3	92.7
Sr-T	mg/L		2.30	1.86	2.04
Zn-T	mg/L	0.033	<0.010	<0.0050	<0.010
Al-D	mg/L	0.1	<0.0060	<0.0030	<0.0030
As-D	mg/L		0.00397	0.00198	0.00230
Ba-D	mg/L		0.0164	0.0159	0.0169
B-D	mg/L		0.60	0.610	0.478
Be-D	mg/L		<0.00020	<0.00010	<0.00010
Cd-D	mg/L	0.00017	<0.000020	<0.000010	<0.000010
Ca-D	mg/L		240	221	239
Cr-D	mg/L		<0.0020	<0.0010	<0.0010
Co-D	mg/L		0.00156	0.00101	0.00127
Cu-D	mg/L		<0.00040	<0.00020	<0.00020
Hard-D	mg/L		691	630	689
Fe-D	mg/L	0.35	2.43	0.883	1.69
Pb-D	mg/L		<0.00040	<0.00020	<0.00020
Mg-D	mg/L		22.4	18.8	22.1
Mn-D	mg/L		0.482	0.320	0.353
Hg-D	mg/L		<0.0000019		
Mo-D	mg/L		<0.0020	<0.0010	<0.0010
Ni-D	mg/L		0.0036	0.0022	0.0028
K-D	mg/L		2.56	2.35	2.61
S-D	mg/L		226	195	234
Se-D	mg/L		<0.00020	<0.00010	<0.00010
Si-D	mg/L		3.22	2.94	2.66
Na-D	mg/L		95.3	89.3	99.5
Sr-D	mg/L		2.05	1.93	2.09
Zn-D	mg/L	0.033	<0.010	<0.0050	<0.0050

Table 21 Long Lake Middle Seep 1 Page(s)

EMS ID	E292131	Max-WQG			
Site Description		Long Lake Middle Seep			
Site Name	LLSM	Std Val	LLSM-5APR22-M	LLSM-3MAY22-M	LLSM-1JUN22-M
Date		Max	05-04-2022	03-05-2022	01-06-2022
pH-F	pH Units	9.0	7.42	7.56	7.64
Cond-F	uS/cm		773.4	1015	1018
SO4-D	mg/L		280	400	390
TSS	mg/L	25	<1.0	1.6	<1.0
Alk-T	mg/L		100	150	150
Acidity83	mg/L		4.1	3.0	<1.0
Al-T	mg/L		0.0882	0.0143	0.0071
As-T	mg/L	0.005	0.00026	0.00020	0.00028
Ba-T	mg/L		0.0146	0.0172	0.0169
B-T	mg/L		0.237	0.294	0.384
Cd-T	mg/L		<0.000010	<0.000010	<0.000010
Ca-T	mg/L		116	145	157
Cr-T	mg/L		<0.0010	<0.0010	<0.0010
Co-T	mg/L	0.11	0.00094	0.00027	<0.00020
Cu-T	mg/L		0.00122	0.00050	<0.00050
Hard-T	mg/L		340	420	454
Fe-T	mg/L	1.0	0.233	0.096	0.135
Pb-T	mg/L	0.01763	<0.00020	<0.00020	<0.00020
Mg-T	mg/L		12.3	14.2	15.2
Mn-T	mg/L	0.8706	0.0319	0.0306	0.0415
Hg-T	mg/L				
Mo-T	mg/L	2.0	<0.0010	<0.0010	<0.0010
Ni-T	mg/L		0.0023	0.0011	0.0010
K-T	mg/L		1.25	1.81	1.83
S-T	mg/L		106	130	131
Se-T	mg/L		<0.00010	<0.00010	<0.00010
Si-T	mg/L		2.82	2.61	2.52
Ag-T	mg/L	0.0001	<0.000020	<0.000020	<0.000020
Na-T	mg/L		33.5	51.5	52.6
Sr-T	mg/L		0.972	1.23	1.34
Zn-T	mg/L	0.033	<0.0050	<0.0050	<0.0050
Al-D	mg/L	0.1	0.0242	0.0064	0.0044
As-D	mg/L		0.00019	0.00020	0.00027
Ba-D	mg/L		0.0139	0.0166	0.0176
B-D	mg/L		0.237	0.390	0.337
Be-D	mg/L		<0.00010	<0.00010	<0.00010
Cd-D	mg/L	0.00017	<0.000010	<0.000010	<0.000010
Ca-D	mg/L		112	143	150
Cr-D	mg/L		<0.0010	<0.0010	<0.0010
Co-D	mg/L		0.00100	0.00021	0.00023
Cu-D	mg/L		0.00090	0.00042	0.00038
Hard-D	mg/L		330	416	437
Fe-D	mg/L	0.35	0.0819	0.0490	0.100
Pb-D	mg/L		<0.00020	<0.00020	<0.00020
Mg-D	mg/L		12.1	14.5	15.3
Mn-D	mg/L		0.0314	0.0278	0.0418
Hg-D	mg/L		<0.0000019		
Mo-D	mg/L		<0.0010	<0.0010	<0.0010
Ni-D	mg/L		0.0023	0.0010	<0.0010
K-D	mg/L		1.33	1.58	1.88
S-D	mg/L		101	126	137
Se-D	mg/L		<0.00010	<0.00010	<0.00010
Si-D	mg/L		2.84	2.65	2.61
Na-D	mg/L		33.3	53.8	54.0
Sr-D	mg/L		0.867	1.23	1.30
Zn-D	mg/L	0.033	<0.0050	<0.0050	<0.0050

Table 22 Authorised Discharge Location for 7S South Mine Water 1 Page(s)

EMS ID	E292069	PL-7S	
Site Description	Authorised Discharge Location for 7S South Mine Water		
Site Name	7SSD	Std Val	7SSD-4APR22-P
Date	Max		04-04-2022
pH-F	pH Units	6.00	7.66
Cond-F	uS/cm		218.2
SO4-D	mg/L	500	11
TSS	mg/L	25	1.6
Alk-T	mg/L		95
Acidity83	mg/L		<1.0
DOC	mg/L		1.5
Al-T	mg/L		0.0436
As-T	mg/L		0.00140
Ba-T	mg/L		0.0051
B-T	mg/L		<0.050
Cd-T	mg/L		<0.000010
Ca-T	mg/L		28.2
Cr-T	mg/L		<0.0010
Co-T	mg/L		<0.00020
Cu-T	mg/L		0.00075
Hard-T	mg/L		98.1
Fe-T	mg/L		0.079
Pb-T	mg/L		<0.00020
Mg-T	mg/L		6.71
Mn-T	mg/L		0.0335
Hg-T	mg/L		
Mo-T	mg/L		<0.0010
Ni-T	mg/L		<0.0010
K-T	mg/L		0.239
S-T	mg/L		3.6
Se-T	mg/L		<0.00010
Si-T	mg/L		4.09
Ag-T	mg/L		<0.000020
Na-T	mg/L		3.15
Sr-T	mg/L		0.102
Zn-T	mg/L		<0.0050
Al-D	mg/L	0.1	0.0054
As-D	mg/L		0.00118
Ba-D	mg/L		0.0047
B-D	mg/L		<0.050
Be-D	mg/L		<0.00010
Cd-D	mg/L	0.000045	<0.000010
Ca-D	mg/L		27.4
Cr-D	mg/L		<0.0010
Co-D	mg/L		<0.00020
Cu-D	mg/L	0.014	0.00053
Hard-D	mg/L		95.1
Fe-D	mg/L	0.35	0.0108
Pb-D	mg/L		<0.00020
Mg-D	mg/L		6.50
Mn-D	mg/L		0.0194
Hg-D	mg/L		<0.0000019
Mo-D	mg/L		<0.0010
Ni-D	mg/L		<0.0010
K-D	mg/L		0.251
S-D	mg/L		3.2
Se-D	mg/L	0.016	<0.00010
Si-D	mg/L		4.11
Na-D	mg/L		3.13
Sr-D	mg/L		0.0975
Zn-D	mg/L		<0.0050

Table 23 7 South Portal Sump 1 Page(s)

EMS ID		E292110			
Site Description		7 South Portal Sump			
Site Name		7SPS	7SPS-4APR22-M	7SPS-2MAY22-M	7SPS-1JUN22-M
Date		04-04-2022	02-05-2022	01-06-2022	
pH-F	pH Units	6.9	7.56	7.46	
Cond-F	uS/cm	308.9	341	643	
SO4-D	mg/L	110	110	220	
TSS	mg/L	73	4.4	6.7	
Alk-T	mg/L	53	79	120	
Acidity83	mg/L	3.6	2.7	2.4	
Al-T	mg/L	1.96	0.320	0.0462	
As-T	mg/L	0.0105	0.00220	0.00141	
Ba-T	mg/L	0.0252	0.0181	0.0135	
B-T	mg/L	0.061	0.068	0.062	
Cd-T	mg/L	0.000032	<0.000010	0.000013	
Ca-T	mg/L	44.4	48.9	95.0	
Cr-T	mg/L	0.0036	<0.0010	0.0017	
Co-T	mg/L	0.00443	0.00115	0.00174	
Cu-T	mg/L	0.0150	0.00332	0.00101	
Hard-T	mg/L	152	162	331	
Fe-T	mg/L	6.26	1.45	4.28	
Pb-T	mg/L	0.00072	<0.00020	<0.00020	
Mg-T	mg/L	9.85	9.64	22.8	
Mn-T	mg/L	0.157	0.0626	0.154	
Hg-T	mg/L				
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	
Ni-T	mg/L	0.0082	0.0025	0.0040	
K-T	mg/L	0.802	1.03	0.743	
S-T	mg/L	34.4	30.3	72.9	
Se-T	mg/L	0.00012	<0.00010	<0.00010	
Si-T	mg/L	5.89	4.04	4.63	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	
Na-T	mg/L	3.12	3.69	10.2	
Sr-T	mg/L	0.154	0.165	0.359	
Zn-T	mg/L	0.0194	0.0069	0.0079	
Al-D	mg/L	0.0120	0.0130	0.0039	
As-D	mg/L	0.00030	0.00056	0.00044	
Ba-D	mg/L	0.0118	0.0157	0.0128	
B-D	mg/L	0.058	0.079	0.052	
Be-D	mg/L	<0.00010	<0.00010	<0.00010	
Cd-D	mg/L	0.000011	<0.000010	<0.000010	
Ca-D	mg/L	43.4	49.9	89.7	
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	
Co-D	mg/L	0.00155	0.00083	0.00169	
Cu-D	mg/L	0.00111	0.00130	0.00064	
Hard-D	mg/L	146	166	315	
Fe-D	mg/L	0.336	0.182	0.285	
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	
Mg-D	mg/L	9.24	10.1	22.2	
Mn-D	mg/L	0.0963	0.0597	0.153	
Hg-D	mg/L	<0.0000019			
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	
Ni-D	mg/L	0.0036	0.0021	0.0037	
K-D	mg/L	0.666	0.877	0.786	
S-D	mg/L	33.7	32.5	74.6	
Se-D	mg/L	<0.00010	<0.00010	<0.00010	
Si-D	mg/L	3.17	3.88	4.20	
Na-D	mg/L	3.03	3.83	10.1	
Sr-D	mg/L	0.150	0.171	0.343	
Zn-D	mg/L	0.0074	0.0058	<0.0050	

Table 24 Road Side Crossing Bridge on Stream 1 above the Lower Wetland 1 Page(s)

EMS ID	E292109		Max-WQG		
Site Description	Road Side Crossing Bridge on Stream 1 above the Lower Wetland				
Site Name	7S	Std Val	7S-4APR22-M	7S-9MAY22-M	7S-1JUN22-M
Date		Max	04-04-2022	09-05-2022	01-06-2022
pH-F	pH Units	9.0	7.39	7.52	7.18
Cond-F	uS/cm		50.7	69.6	84.5
SO4-D	mg/L		4.5	4.4	3.8
TSS	mg/L	25	<1.0	<1.0	<1.0
Alk-T	mg/L		13	14	22
Acidity83	mg/L		<1.0	<1.0	<1.0
DOC	mg/L		1.8	1.9	1.4
Al-T	mg/L		0.0312	0.0306	0.0199
As-T	mg/L	0.005	0.00011	0.00022	<0.00010
Ba-T	mg/L		0.0013	0.0021	0.0017
B-T	mg/L		<0.050	<0.050	<0.050
Cd-T	mg/L		<0.000010	<0.000010	<0.000010
Ca-T	mg/L		4.03	4.29	5.77
Cr-T	mg/L		<0.0010	<0.0010	<0.0010
Co-T	mg/L	0.11	<0.00020	<0.00020	<0.00020
Cu-T	mg/L		<0.00050	<0.00050	<0.00050
Hard-T	mg/L		14.0	15.0	20.2
Fe-T	mg/L	1.0	<0.010	0.018	<0.010
Pb-T	mg/L	0.01763	<0.00020	<0.00020	<0.00020
Mg-T	mg/L		0.943	1.04	1.41
Mn-T	mg/L	0.8706	<0.0010	<0.0010	<0.0010
Hg-T	mg/L				
Mo-T	mg/L	2.0	<0.0010	<0.0010	<0.0010
Ni-T	mg/L		<0.0010	<0.0010	<0.0010
K-T	mg/L		0.075	0.076	0.089
S-T	mg/L		<3.0	<3.0	<3.0
Se-T	mg/L		<0.00010	<0.00010	<0.00010
Si-T	mg/L		4.01	4.49	4.75
Ag-T	mg/L	0.0001	<0.000020	<0.000020	<0.000020
Na-T	mg/L		1.49	1.65	1.87
Sr-T	mg/L		0.0170	0.0168	0.0236
Zn-T	mg/L	0.033	<0.0050	<0.0050	<0.0050
Al-D	mg/L	0.1	0.0278	0.0225	0.0169
As-D	mg/L		<0.00010	<0.00010	<0.00010
Ba-D	mg/L		0.0012	0.0013	0.0018
B-D	mg/L		<0.050	<0.050	<0.050
Be-D	mg/L		<0.00010	<0.00010	<0.00010
Cd-D	mg/L	0.00017	<0.000010	<0.000010	<0.000010
Ca-D	mg/L		4.14	4.26	5.75
Cr-D	mg/L		<0.0010	<0.0010	<0.0010
Co-D	mg/L		<0.00020	<0.00020	<0.00020
Cu-D	mg/L	≤ 0.00334	0.00029	0.00027	0.00026
Hard-D	mg/L		14.4	14.9	20.2
Fe-D	mg/L	0.35	<0.0050	<0.0050	<0.0050
Pb-D	mg/L		<0.00020	<0.00020	<0.00020
Mg-D	mg/L		0.983	1.03	1.41
Mn-D	mg/L		<0.0010	<0.0010	<0.0010
Hg-D	mg/L		<0.0000019		
Mo-D	mg/L		<0.0010	<0.0010	<0.0010
Ni-D	mg/L		<0.0010	<0.0010	<0.0010
K-D	mg/L		0.088	0.066	0.080
S-D	mg/L		<3.0	<3.0	<3.0
Se-D	mg/L		<0.00010	<0.00010	<0.00010
Si-D	mg/L		4.33	4.30	4.73
Na-D	mg/L		1.46	1.58	1.92
Sr-D	mg/L		0.0162	0.0158	0.0230
Zn-D	mg/L	0.033	<0.0050	<0.0050	<0.0050

Table 25 Discharge From Settling Pond #4 (WD) 1 Page(s)

EMS ID E207409						
Discharge From Settling Pond #4 (SP4/WD)						
Date	April Max. (m ³ /s)	April Daily (m ³ /s)	May Max. (m ³ /s)	May Daily (m ³ /s)	June Max. (m ³ /s)	June Daily (m ³ /s)
1	0.1460	0.1360	0.1680	0.1560	0.0710	0.0620
2	0.1490	0.1400	0.1700	0.1620	0.0690	0.0610
3	0.1400	0.1290	0.1640	0.1490	0.0670	0.0640
4	0.1470	0.1360	0.1390	0.1340	0.0720	0.0670
5	0.1550	0.1480	0.1420	0.1180	0.0700	0.0650
6	0.1510	0.1330	0.1530	0.1490	0.0690	0.0620
7	0.1500	0.1430	0.1640	0.1450	0.0840	0.0710
8	0.1500	0.1380	0.1690	0.1580	0.0930	0.0840
9	0.1520	0.1450	0.1640	0.1530	0.0920	0.0860
10	0.1450	0.1400	0.1740	0.1550	0.1000	0.0920
11	0.1450	0.1410	0.1860	0.1790	0.1000	0.0890
12	0.1500	0.1380	0.1800	0.1740	0.0930	0.0870
13	0.1530	0.1420	0.1800	0.1740	0.0920	0.0850
14	0.1490	0.1190	0.1760	0.1500	0.1000	0.0880
15	0.1530	0.1420	0.1550	0.1510	0.1060	0.0870
16	0.1580	0.1480	0.1660	0.1590	0.0950	0.0880
17	0.1600	0.1480	0.1860	0.1720	0.0930	0.0880
18	0.1540	0.1450	0.1860	0.1780	0.0920	0.0830
19	0.1560	0.1520	0.1800	0.1710	0.0910	0.0850
20	0.1530	0.1430	0.1830	0.1690	0.0930	0.0830
21	0.1520	0.1450	0.1890	0.1750	0.0890	0.0830
22	0.1440	0.1410	0.1890	0.1760	0.0890	0.0850
23	0.1540	0.1280	0.2110	0.1980	0.0890	0.0820
24	0.1570	0.1470	0.2150	0.2120	0.0890	0.0800
25	0.1550	0.1450	0.2150	0.1910	0.0880	0.0790
26	0.1590	0.1430	0.1370	0.1020	0.0870	0.0790
27	0.1680	0.1550	0.0950	0.0880	0.0860	0.0780
28	0.1440	0.1320	0.0970	0.0890	0.0870	0.0730
29	0.1680	0.1460	0.0950	0.0860	0.0730	0.0630
30	0.1690	0.1550	0.0920	0.0870	0.0710	0.0660
31			0.0930	0.0800		
Monthly Max	0.1690		0.2150		0.1060	
Monthly Avg		0.1414		0.1497		0.0782
TSS is required weekly when max daily flow > 0.054 m ³ /s						
NF= No Flow PNC= Permit Non-compliance All flow data is subject to review						

Table 26 Discharge From Settling Pond # 1 (SPD) 1 Page(s)

EMS ID E218582						
Discharge From Settling Pond #1 (SP1/SPD)						
Date	April Max. (m ³ /s)	April Daily (m ³ /s)	May Max. (m ³ /s)	May Daily (m ³ /s)	June Max. (m ³ /s)	June Daily (m ³ /s)
1	0.0443	0.0245	0.0534	0.0328	0.0250	0.0136
2	0.0443	0.0350	0.0534	0.0372	0.0443	0.0294
3	0.0534	0.0354	0.0639	0.0460	0.0443	0.0260
4	0.0877	0.0520	0.0764	0.0592	0.0341	0.0194
5	0.0877	0.0621	0.0764	0.0588	0.0443	0.0258
6	0.0639	0.0505	0.0639	0.0569	0.0443	0.0169
7	0.0534	0.0376	0.0639	0.0531	0.0341	0.0161
8	0.0443	0.0290	0.0639	0.0420	0.0341	0.0194
9	0.0534	0.0304	0.0534	0.0403	0.0250	0.0139
10	0.0443	0.0302	0.0534	0.0305	0.0341	0.0228
11	0.0341	0.0202	0.0443	0.0285	0.0443	0.0216
12	0.0443	0.0388	0.0534	0.0377	0.0341	0.0163
13	0.0534	0.0402	0.0534	0.0352	0.0341	0.0172
14	0.0639	0.0412	0.0534	0.0338	0.0341	0.0195
15	0.0764	0.0510	0.0443	0.0270	0.0160	0.0095
16	0.0764	0.0508	0.0534	0.0312	0.0341	0.0218
17	0.0639	0.0549	0.0443	0.0276	0.0341	0.0142
18	0.0877	0.0772	0.0443	0.0236	0.0341	0.0139
19	0.0764	0.0657	0.0443	0.0248	0.0250	0.0159
20	0.0764	0.0568	0.0443	0.0215	0.0160	0.0092
21	0.0764	0.0616	0.0443	0.0198	0.0341	0.0187
22	0.0639	0.0557	0.0443	0.0224	0.0160	0.0078
23	0.0639	0.0447	0.0341	0.0186	0.0341	0.0153
24	0.0639	0.0417	0.0341	0.0164	0.0160	0.0052
25	0.0639	0.0390	0.0341	0.0161	0.0250	0.0146
26	0.0534	0.0350	0.0250	0.0100	0.0160	0.0057
27	0.0534	0.0338	0.0341	0.0198	0.0250	0.0106
28	0.0443	0.0288	0.0091	0.0065	0.0160	0.0092
29	0.0443	0.0261	0.0341	0.0191	0.0250	0.0141
30	0.0443	0.0292	0.0250	0.0108	0.0160	0.0063
31		0.0000	0.0341	0.0172		0.0000
Monthly Max	0.0877		0.0764		0.0443	
Monthly Avg		0.0413		0.0298		0.0152
PNC = Permit Non-compliance						
TSS is required weekly when max daily flow > 0.046m ³ /s						
NF= No Flow All flow data is subject to review						

Table 27 Discharge From 7 South Surface Decant Pond (7SSD) 1 Page(s)

EMS ID E292069			
Discharge From 7 South Surface Decant Pond (7SSD)			
Date	April	May	June
	Daily Average L/S		
1	NF	NF	NF
2	NF	NF	NF
3	NF	NF	NF
4	NF	NF	NF
5	NF	NF	NF
6	NF	NF	NF
7	NF	NF	NF
8	NF	NF	NF
9	NF	NF	NF
10	NF	NF	NF
11	NF	NF	NF
12	NF	NF	NF
13	NF	NF	NF
14	NF	NF	NF
15	NF	NF	NF
16	NF	NF	NF
17	NF	NF	NF
18	NF	NF	NF
19	NF	NF	NF
20	NF	NF	NF
21	NF	NF	NF
22	NF	NF	NF
23	NF	NF	NF
24	NF	NF	NF
25	NF	NF	NF
26	NF	NF	NF
27	NF	NF	NF
28	NF	NF	NF
29	NF	NF	NF
30	NF	NF	NF
31	NF	NF	NF
Monthly Avg	0.000	0.000	0.000
Annual Avg			
Cummulative Daily Totalizer Value			
For Maximum Decant Flow (5.00 L/s)			

Table 28 2S Inflow and Outflow 1 Page(s)

EMS ID: E292127 2-South Pit Inflow				EMS ID: E292127 2-South Pit Outflow			
2S Inflow				2S Outflow Culvert into 3S Pit			
Date	April Q (L/s)	May Q (L/s)	June Q (L/s)	Date	April Q (L/s)	May Q (L/s)	June Q (L/s)
1	15.541	16.079	16.86	1	7.084	12.762	11.216
2	15.405	21.919	16.99	2	6.989	13.842	12.403
3	21.034	25.836	18.50	3	7.611	18.333	13.286
4	35.702	25.356	17.11	4	10.332	22.608	12.451
5	39.679	28.470	17.39	5	12.549	21.969	11.124
6	20.331	34.715	16.31	6	13.414	25.547	10.031
7	11.448	28.525	15.14	7	11.881	25.594	9.500
8	11.681	22.828	15.67	8	10.851	20.452	9.455
9	10.251	14.281	18.87	9	9.857	15.746	10.727
10	11.321	17.460	22.67	10	9.443	13.644	12.897
11	11.593	17.372	21.77	11	8.443	14.962	13.361
12	13.983	19.259	19.35	12	9.311	16.550	11.914
13	16.565	17.523	15.52	13	8.619	15.728	10.517
14	18.541	17.462	11.72	14	13.976	14.806	8.736
15	17.921	16.806	14.19	15	19.990	14.090	8.606
16	17.797	14.741	15.31	16	19.879	12.640	9.796
17	17.194	10.796	14.41	17	21.098	10.445	8.987
18	20.956	12.771	14.89	18	25.352	10.480	8.582
19	23.287	12.014	14.73	19	24.110	9.008	8.194
20	25.098	11.319	14.29	20	25.821	8.092	7.715
21	27.554	11.265	14.19	21	26.647	7.688	8.391
22	25.876	10.881	14.12	22	24.144	7.658	7.857
23	23.785	10.964	13.99	23	22.580	7.324	7.247
24	22.446	10.449	14.07	24	21.106	7.779	7.042
25	18.693	10.768	13.45	25	19.502	6.938	6.946
26	15.626	10.321	13.14	26	16.020	7.402	6.411
27	14.382	11.002	15.82	27	13.414	7.265	6.504
28	15.673	10.424	18.74	28	12.012	6.790	8.903
29	15.185	11.141	10.86	29	11.762	7.307	10.030
30	18.403	13.586	17.34	30	13.537	7.380	9.740
31		17.26		31		9.862	

Table 29 Flow Tables LLE, LLS, LLSM, WA, WB, LLO, 7S, S1 and S2 3 Page(s)

Weekly Flow Requirements (L/s)				Weekly Flow Requirements (L/s)						Continuous Flow Requirements (L/s)		
EMS ID: E292130				EMS ID: E292131		EMS ID: E292131				EMS ID: E292109		
Site LLE				Site LLS		Site LLSM				Site 7S		
Average Flow L/s				Flow (L/s)						Flow (L/S)		
Date	April	May	June	Weeks	Level (m)	Date	April	May	June	Date	April	May
1	26.43	35.93	13.43	1	0.010	1	6.50	10.76	2.62	1	3.16	4.71
2	36.59	41.97	29.92	2	0.010	2	6.50	9.20	2.62	2	2.91	7.52
3	34.97	45.57	27.80	3	0.010	3	6.50	12.46	1.95	3	3.57	11.47
4	52.85	59.87	19.87	4	0.010	4	10.76	16.29	1.95	4	15.36	23.03
5	61.17	54.82	24.44	5	0.010	5	16.29	16.29	1.95	5	21.71	16.68
6	50.42	56.80	17.99	6	0.010	6	10.76	16.29	1.38	6	10.79	11.77
7	39.52	51.69	17.71	7	0.010	7	10.76	14.30	1.38	7	5.84	8.62
8	29.35	41.32	19.30	8	0.010	8	10.76	16.29	1.38	8	5.26	6.27
9	29.49	38.75	14.14	9	0.010	9	10.76	14.30	1.38	9	4.20	5.12
10	31.27	30.78	24.84	10	0.010	10	10.76	14.30	0.91	10	3.71	4.29
11	11.14	30.57	22.54	11	0.010	11	10.76	12.46	0.91	11	3.15	3.33
12	39.19	39.28	13.70	12	0.010	12	10.76	12.46	0.91	12	3.89	4.18
199	42.05	35.14	15.19	13	0.010	13	12.46	10.76	0.91	13	5.81	4.91
14	41.46	35.18	20.37			14	12.46	10.76	0.91	14	8.79	4.33
15	50.75	27.73	9.27			15	16.29	9.20	0.91	15	10.45	3.40
16	46.81	29.26	21.93			16	20.75	9.20	0.91	16	8.74	3.36
17	55.61	27.31	13.93			17	20.75	9.20	0.91	17	6.50	2.67
18	74.63	23.17	15.03			18	25.85	7.78	0.91	18	12.80	3.33
19	64.45	23.49	16.53			19	25.85	7.78	0.91	19	14.51	2.96
20	55.89	20.53	9.27			20	25.85	7.78	0.91	20	8.26	2.17
21	59.03	19.98	18.28			21	25.85	6.50	0.91	21	8.99	1.79
22	54.99	21.13	6.49			22	23.22	6.50	0.91	22	6.82	1.46
23	43.66	17.14	16.12			23	23.22	6.50	0.91	23	5.27	1.24
24	40.78	12.25	5.39			24	20.75	5.35	0.91	24	4.15	1.05
25	36.00	15.16	14.94			25	18.44	5.35	0.91	25	4.01	0.88
26	32.77	11.17	6.54			26	16.29	5.35	0.54	26	4.17	0.69
27	34.78	19.61	5.47			27	14.30	4.32	0.54	27	4.85	0.67
28	29.90	5.75	9.68			28	12.46	4.32	0.91	28	4.55	0.50
29	26.54	18.73	14.22			29	12.46	4.32	0.91	29	3.70	0.50
30	29.25	10.96	5.30			30	10.76	3.41	0.54	30	5.25	0.48
31		18.44				31		3.41		31		0.32
Notes: NF= No flow				Notes: NF= No flow						Notes: NF= No flow		

Table 29 Flow Tables LLE, LLS, LLSM, WA, WB, LLO, 7S, S1 and S2 3 Page(s)

5 in 30 Flow Requirements (Level) EMS ID: 126402 Site WA					5 in 30 Flow Requirements (Level) EMS ID: 900504 Site WB				5 in 30 Flow Requirements (Level) EMS ID: E219412 Site LLO			
Flow (m ³ /s)					Level (m)				Flow (m ³ /s)			
June	Date	April	May	June	Date	April	May	June	Date	April	May	June
0.29	1	7.08	12.76	11.22	1	0.6074	0.6033	0.5130	1	0.3065	0.2969	0.0814
0.39	2	6.99	13.84	12.40	2	0.6050	0.5991	0.5189	2	0.2793	0.2803	0.0922
1.01	3	7.61	18.33	13.29	3	0.6189	0.6002	0.5222	3	0.3340	0.3119	0.1066
1.22	4	10.33	22.61	12.45	4	0.6248	0.5839	0.5250	4	0.4828	0.4161	0.1264
1.81	5	12.55	21.97	11.12	5	0.6665	0.5750	0.5196	5	0.9421	0.4872	0.1211
1.55	6	13.41	25.55	10.03	6	0.6930	0.5760	0.5187	6	1.0409	0.5017	0.1143
1.08	7	11.88	25.59	9.50	7	0.6795	0.5725	0.5239	7	0.8203	0.4733	0.1133
0.97	8	10.85	20.45	9.46	8	0.6487	0.5700	0.5193	8	0.5836	0.4407	0.0971
1.23	9	9.86	15.75	10.73	9	0.6381	0.5581	0.5234	9	0.4990	0.3749	0.0961
1.79	10	9.44	13.64	12.90	10	0.6307	0.5512	0.5219	10	0.4379	0.3278	0.0947
1.49	11	8.44	14.96	13.36	11	0.6188	0.5505	0.5200	11	0.3840	0.2953	0.0935
1.17	12	9.31	16.55	11.91	12	0.6173	0.5456	0.5191	12	0.3498	0.2627	0.0897
1.38	13	8.62	15.73	10.52	13	0.6290	0.5486	0.5085	13	0.4184	0.2635	0.0761
0.98	14	13.98	14.81	8.74	14	0.6322	0.5455	0.4971	14	0.4963	0.2489	0.0585
1.41	15	19.99	14.09	8.61	15	0.6351	0.5461	0.5126	15	0.5168	0.2462	0.0676
1.56	16	19.88	12.64	9.80	16	0.6370	0.5383	0.5115	16	0.5264	0.2160	0.0614
1.17	17	21.10	10.45	8.99	17	0.6381	0.5415	0.5082	17	0.5351	0.2114	0.0691
1.13	18	25.35	10.48	8.58	18	0.6430	0.5393	0.4972	18	0.5865	0.1984	0.0658
0.91	19	24.11	9.01	8.19	19	0.6448	0.5347	0.4955	19	0.6891	0.1994	0.0649
0.68	20	25.82	8.09	7.72	20	0.6511	0.5322	0.4943	20	0.7172	0.1943	0.0598
0.61	21	26.65	7.69	8.39	21	0.6418	0.5271	0.4956	21	0.6324	0.1741	0.0568
0.47	22	24.14	7.66	7.86	22	0.6372	0.5245	0.4932	22	0.6009	0.1589	0.0493
0.33	23	22.58	7.32	7.25	23	0.6328	0.5213	0.4892	23	0.5580	0.1436	0.0417
0.24	24	21.11	7.78	7.04	24	0.6275	0.5212	0.4866	24	0.4969	0.1362	0.0341
0.18	25	19.50	6.94	6.95	25	0.6213	0.5171	0.4851	25	0.4350	0.1194	0.0276
0.13	26	16.02	7.40	6.41	26	0.6144	0.5186	0.4849	26	0.3839	0.1155	0.0226
0.09	27	13.41	7.26	6.50	27	0.6114	0.5123	0.4846	27	0.3468	0.0995	0.0174
0.09	28	12.01	6.79	8.90	28	0.6056	0.5146	0.4793	28	0.3078	0.0978	0.0077
0.01	29	11.76	7.31	10.03	29	0.6026	0.5101	0.4453	29	0.2857	0.0847	0.0000
0.07	30	13.54	7.38	9.74	30	0.6004	0.5118	0.4874	30	0.2806	0.0841	0.0059
	31		9.86		31		0.5128		31		0.0832	
Notes: Flow curve is being developed as a result of high flows washing away hydrometric station												

Table 29 Flow Tables LLE, LLS, LLSM, WA, WB, LLO, 7S, S1 and S2 3 Page(s)

[illegible]

Table 30 Precipitation 1 Page(s)

Daily Precipitation (mm)			
DATE	APRIL	MAY	JUNE
1	0	8.1	0
2	4.1	0	6
3	2.6	8.2	3.9
4	21.1	16.2	8.2
5	18.3	0.3	3.1
6	0	7	0.9
7	0.6	1.7	1.1
8	0.7	2.4	0
9	2	0	2.4
10	0.2	0.5	5.5
11	10.5	0	0
12	0.1	0.6	0.9
13	18.2	9.2	0.1
14	21.4	1	4
15	0	1.5	0
16	0	0.8	1.5
17	0	0.6	5.2
18	0	0.7	0
19	12	6.5	1
20	0	0	0
21	6.1	0	0
22	2.3	0	0.7
23	1.4	0	0
24	0	0.7	0
25	1.4	0	0
26	2.7	0	0
27	2.9	0.7	0
28	0.4	0.3	0
29	1.1	0	0.4
30	2.5	3.2	0
31		0	
Monthly Total (mm)	132.60	70.20	44.90
Quarterly Total (mm)	247.70		

Table 31 Groundwater Description 1 Page(s)

Groundwater Wells - Description				
Area	Groundwater ID	In-situ / Ex-situ	Screened Interval	Comment
2-North	1 Mains 2-North (1M2N)	In-situ	No. 1 Seam	Flooded Underground Workings in 1-Mains Area, Dewatering well
	5 Mains#2 (5M#2)	In-situ	No. 1 Seam	Flooded Underground Workings in 5-Mains Area, Dewatering well
	3 Mains 2-North (3M2N)	In-situ	No. 1 Seam	Flooded Underground Workings in 3-Mains Area, Underground Pump System
	QU08-21GD	Ex-situ	No. 1 Seam	Down gradient of u/g tailings disposal, measure water quality and hydraulic gradients downstream of forjan fault
	QU08-21GS	Ex-situ	No. 4 Coal Seam and	
	QU10-10D	Ex-situ	No. 1 Seam / mudstone	Down gradient of u/g tailings disposal, measures water quality and hydraulic head downgradient of 2 North workings
	QU10-10S	Ex-situ	No. 4 Seam /	
	QU10-11S	Ex-situ	Fractured Sandstone	Measure water quality and hydraulic gradient in Forjan Fault
	QU10-11D	Ex-situ	No.1 Seam	Down gradient of u/g tailings disposal, measures water quality and hydraulic head down gradient t of 2 North workings
	QU10-13D	In-situ	Caved Zone	Down gradient of u/g tailings disposal, measures water quality and hydraulic head down gradient of 2 North workings
5-South Mine Pool	5SMW	In-situ	Mine Pool (1 Seam)	Water pumped from 5-South Flooded Mine Pool into 3-Mains of 2-North Mine
River Barrier Pillar (RBP)	QU11-05S	Ex-situ	Sandstone	Down gradient of u/g tailings disposal, measure water quality and hydraulic head down gradient of 2 North workings
	QU11-05D	Ex-situ	Sandstone	Monitoring water quality and vertical gradients downstream of the RBP and 2-North mine.
	QU11-09S	Ex-situ	Sandstone	Monitor water quality & upward vertical gradients of the RBP and 2-North workings. Mine pool – CCR backfill in River Barrier Pillar
	QU11-09M	In-situ	RBP Mine Pool	Monitor water quality in the RBP and 2-North workings. Mine pool – CCR backfill in River Barrier Pillar.
2-North Plant Site	MW-00-1S	Ex-situ	Till	Shallow Groundwater Below Plant Coal pad
	MW-00-1D	Ex-situ	1-Seam	Groundwater below the coal pad
	MW-00-6D	Ex-situ	Till	Groundwater below the coal pad
	MW-00-6S	Ex-situ	Till	Groundwater below the coal pad
4-South	QU10-08D	Ex-situ	No. 3 Seam	4 South (just outside mine pool) up gradient of existing workings
	QU11-01	In-Situ	Foot print area of 4 South GOB	Assess 4 South Mine Pool water quality
	QU10-09S	Ex-situ	Down gradient of existing workings	Access vertical gradients and water quality adjacent to Long Lake.
	QU10-09D	Ex-situ	Down gradient of existing workings	Access vertical gradients and water quality adjacent to Long Lake.
2-South & 3-South	MW002	Ex-situ	1 Seam	3S seepage to Long Lake
	MW004	In-Situ	Mine Pool (1 Seam)	2-South Mine Pool Gob depillared area
	QU11-11 (INF)	In-Situ	Mine Pool (1 Seam)	2-South mine pool dewatering well for Passive Treatment System
7-South	1M7S	In-Situ	No. 4 Coal Seam	Underground Sump
	QU08-10	Ex-situ	No. 4 Coal Seam	Downgradient of 7S -screened No. 3 Coal -Southern margin of workings
	QU08-13A	Ex-situ	No. 4 Coal Seam	Down Gradient of the CCR backfill towards QR
	QU08-13B	Ex-situ	Till & SST contact	Down Gradient of the CCR backfill towards QR
	QU14-10	In-Situ	Mine Void	PAG-CCR Water Cover in Mine Void
7- South Area 5	1M7SA5	In-Situ	Sump	Underground Sump
	QU11-35	Ex-situ	Sandstone above No. 4 Seam	South end of 7SA5 footprint at 100280m N (mine grid)
242 AREA	QU11-36D	Ex-situ	Sandstone below No. 5 seam	Downgradient of 7SA5
	242MW	In-situ	No. 4 Seam	Mine pool

Table 32 In-Situ Groundwater Wells Q1 5 Page(s)

In-Situ Ground Water								
Description		2-North Mine Water						
Well ID	5M#2	5M#2	1M2N	1M2N	QU1013D	3M2N	3M2N	
Station Type	MW	MW	MW	MW	GW	MW	MW	
Water Level	m				57.29			
Date	10-May-22	14-Jun-22	10-May-22	14-Jun-22	14-Jun-22	10-May-22	22-Jun-22	
Sample Class	M	M	M	M	M	M	M	
Parameter	Units							
SO4-D	mg/L	200	170	810	690	560	1100	700
H2SEquiv	mg/L	0.117	0.0159	0.170	0.0850	0.298		
Cond-F	uS/cm	1387	1395	2450	2150	2106	2120	2050
pH-F	pH Units	7.90	7.73	7.34	7.49	7.24	7.89	7.36
Temp-F	C	11.8	14.4	13.7	14.8	8.9	12.9	11.9
DO-F	mg/L					0.79		
ORP-F	mV					-258.6		
Turb	NTU	2.0	2.0	56	44	4.6	0.31	2.1
Alk-T	mg/L	530	520	510	480	590	280	390
Acidity83	mg/L	<1.0	<1.0	10.5	3.9	<1.0	2.3	1.3
N-D	mg/L	0.161	0.135	0.279	0.308	0.298	0.235	0.209
DOC	mg/L	1.1	0.79	0.93	<0.50	1.7	<0.50	0.90
Hydrox	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarb	mg/L	650	630	620	590	690	340	480
Carb	mg/L	<1.0	3.5	<1.0	<1.0	17	<1.0	<1.0
Cl-D	mg/L	6.5	6.4	<10	9.1	26	5.7	3.0
F-D	mg/L	0.086	0.072	0.10	0.10	0.098	0.099	0.14
Flu-CSR	mg/L	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Br-D	mg/L	0.030	0.033	0.29	0.15	0.19	0.18	0.13
P-D	mg/L	0.0041	0.0053	0.0035	0.0031	0.019	<0.0030	<0.0030
Al-D	mg/L	<0.0030	<0.0030	<0.0060	<0.0030	<0.0060	<0.0060	<0.0030
Ag-D	mg/L	<0.000020	<0.000020	<0.000040	<0.000020	<0.000040	<0.000040	<0.000020
Ag-CSR	mg/L	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150
As-D	mg/L	0.00926	0.00842	0.00484	0.00497	<0.00020	<0.00020	0.00044
Ba-D	mg/L	0.0242	0.0263	0.0190	0.0194	0.0322	0.0107	0.0132
B-D	mg/L	0.889	0.836	1.06	0.998	1.28	0.73	0.745
Be-D	mg/L	<0.00010	<0.00010	<0.00020	<0.00010	<0.00020	<0.00020	<0.00010
Bi-D	mg/L	<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0010
Cd-CSR	mg/L	0.000600	0.000600	0.000600	0.000600	0.000600	0.000600	0.000600
Cd-D	mg/L	<0.000010	<0.000010	<0.000020	<0.000010	<0.000020	<0.000020	<0.000010
Ca-D	mg/L	58.5	62.5	144	140	62.8	284	115
Cr-D	mg/L	<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0010
Co-D	mg/L	0.00064	0.00023	<0.00040	<0.00020	<0.00040	<0.00040	0.00052
Cu-D	mg/L	<0.00020	0.00029	<0.00040	0.00032	<0.00040	0.00282	0.00418
Cu-CSR	mg/L	0.0700	0.0800	0.0900	0.0900	0.0700	0.0900	0.0900
Fe-D	mg/L	0.528	0.554	5.77	5.08	0.478	<0.010	0.0198
Hard-D	mg/L	168	177	426	410	173	822	357
Pb-D	mg/L	<0.00020	<0.00020	<0.00040	<0.00020	<0.00040	<0.00040	<0.00020
Pb-CSR	mg/L	0.0600	0.0600	0.160	0.160	0.0600	0.160	0.160
Mg-D	mg/L	5.26	5.19	15.9	14.5	3.82	27.5	16.9
Mn-D	mg/L	0.147	0.155	0.577	0.528	0.135	0.0115	0.173
Na-D	mg/L	248	237	361	347	454	204	285
Mo-D	mg/L	<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0010
Ni-D	mg/L	0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0023	<0.0010
Ni-CSR	mg/L	1.10	1.10	1.50	1.50	1.10	1.50	1.50
K-D	mg/L	2.67	2.57	5.35	5.13	4.10	3.75	3.47
S-D	mg/L	65.1	58.2	245	223	184	337	215
Sb-D	mg/L	<0.00050	<0.00050	<0.0010	<0.00050	<0.0010	<0.0010	<0.00050
Se-D	mg/L	<0.00010	<0.00010	<0.00020	<0.00010	<0.00020	<0.00020	<0.00010
Si-D	mg/L	3.27	2.97	3.85	3.44	4.46	3.01	3.29
Sr-D	mg/L	0.615	0.665	1.43	1.44	0.717	1.77	1.21
Tl-D	mg/L	<0.000010	<0.000010	<0.000020	<0.000010	<0.000020	<0.000020	<0.000010
Ti-D	mg/L	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	<0.0050
U-D	mg/L	<0.00010	<0.00010	<0.00020	<0.00010	<0.00020	<0.00020	<0.00010
V-D	mg/L	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	<0.0050
Zn-D	mg/L	<0.0050	<0.0050	0.014	<0.0050	<0.010	<0.010	<0.0050
Zn-CSR	mg/L	0.900	0.900	2.400	2.400	0.900	2.400	2.400

Table 32 In-Situ Groundwater Wells Q1 5 Page(s)

In-Situ Ground Water				
	Description	2-South Mine Water		
	Well ID	INF	INF	INF
	Station Type	MW	MW	MW
Water Level	m	15.7	13.1	10.7
Date		4-Apr-22	2-May-22	1-Jun-22
	Sample Class	M	M	M
Parameter	Units			
SO4-D	mg/L	530	510	600
H2SEquiv	mg/L	0.000957	0.00351	0.000957
Cond-F	uS/cm	1390	1286	1396
pH-F	pH Units	6.86	6.98	7.31
Temp-F	C	8.5	8.603	10.6
DO-F	mg/L			
ORP-F	mV			
Turb	NTU		14	
Alk-T	mg/L	220	230	240
Acidity83	mg/L	12.4	14.3	4.0
N-D	mg/L			
DOC	mg/L			
Hydrox	mg/L	<1.0	<1.0	<1.0
Bicarb	mg/L	270	270	290
Carb	mg/L	<1.0	<1.0	<1.0
Cl-D	mg/L		<1.0	
F-D	mg/L		0.14	
Flu-CSR	mg/L	3.00	3.00	3.00
Br-D	mg/L		0.065	
P-D	mg/L			
Al-D	mg/L	<0.0030	<0.0030	<0.0030
Ag-D	mg/L	<0.000020	<0.000020	<0.000020
Ag-CSR	mg/L	0.0150	0.0150	0.0150
As-D	mg/L	0.00220	0.00195	0.00253
Ba-D	mg/L	0.0192	0.0224	0.0231
B-D	mg/L	0.547	0.629	0.488
Be-D	mg/L	<0.00010	<0.00010	<0.00010
Bi-D	mg/L	<0.0010	<0.0010	<0.0010
Cd-CSR	mg/L	0.000600	0.000600	0.000600
Cd-D	mg/L	<0.000010	<0.000010	<0.000010
Ca-D	mg/L	207	196	203
Cr-D	mg/L	<0.0010	<0.0010	<0.0010
Co-D	mg/L	0.00076	0.00083	0.00087
Cu-D	mg/L	<0.00020	<0.00020	<0.00020
Cu-CSR	mg/L	0.0900	0.0900	0.0900
Fe-D	mg/L	2.46	1.77	2.04
Hard-D	mg/L	578	545	567
Pb-D	mg/L	<0.00020	<0.00020	<0.00020
Pb-CSR	mg/L	0.160	0.160	0.160
Mg-D	mg/L	14.7	13.3	14.4
Mn-D	mg/L	0.305	0.287	0.300
Na-D	mg/L	90.2	98.4	99.7
Mo-D	mg/L	<0.0010	<0.0010	<0.0010
Ni-D	mg/L	0.0012	0.0015	0.0015
Ni-CSR	mg/L	1.50	1.50	1.50
K-D	mg/L	1.69	1.51	1.74
S-D	mg/L	186	178	191
Sb-D	mg/L	<0.00050	<0.00050	<0.00050
Se-D	mg/L	<0.00010	<0.00010	0.00014
Si-D	mg/L	3.21	3.22	2.89
Sr-D	mg/L	1.83	1.78	1.83
Tl-D	mg/L	<0.000010	<0.000010	<0.000010
Ti-D	mg/L	<0.0050	<0.0050	<0.0050
U-D	mg/L	<0.00010	<0.00010	<0.00010
V-D	mg/L	<0.0050	<0.0050	<0.0050
Zn-D	mg/L	<0.0050	<0.0050	<0.0050
Zn-CSR	mg/L	2.400	2.400	2.400

Table 32 In-Situ Groundwater Wells Q1 5 Page(s)

In-Situ Ground Water							
	Description	3-South Pit	2-South	2-South	2-South	2-South	2-South
	Well ID	MW002	MW002	MW003	MW004	MW004	MW005
	Station Type	GW	GW	GW	MW	MW	MW
Water Level	m	3.82	3.82	38.6	40.71	40.71	35.37
Date		11-May-22	11-May-22	11-May-22	19-May-22	19-May-22	11-May-22
	Sample Class	M	R	M	M	R	M
Parameter	Units						
SO4-D	mg/L	1300	1300	1000	270	240	2300
H2SEquiv	mg/L	0.000957	0.00351	0.00468	0.000957	0.000957	0.000957
Cond-F	uS/cm	2157	2157	1597.5	740	740	3351.8
pH-F	pH Units	6.77	6.77	5.94	6.70	6.70	6.72
Temp-F	C	10.3	10.3	8.787	9.1	9.1	9.171
DO-F	mg/L	0.5	0.5	1.52	6.28	6.28	0.84
ORP-F	mV	-25.5	-25.5	182.1	-18.9	-18.9	10
Turb	NTU	52	52	58	1.8	2.2	31
Alk-T	mg/L	290	280	57	95	94	270
Acidity83	mg/L	19.2	23.5	16.6	3.3	3.2	18.7
N-D	mg/L	0.196	0.225	0.219	0.207	0.185	0.172
DOC	mg/L	0.83	0.79	1.2	1.9	1.8	0.70
Hydrox	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarb	mg/L	350	340	70	120	110	330
Carb	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cl-D	mg/L	1.6	1.6	<1.0	<1.0	<1.0	<100
F-D	mg/L	0.12	0.13	0.13	0.080	0.066	0.21
Flu-CSR	mg/L	3.00	3.00	3.00	3.00	3.00	3.00
Br-D	mg/L	0.17	0.15	0.15	0.051	0.046	0.25
P-D	mg/L	<0.0030	<0.0030	<0.0030	0.015	<0.0030	0.0074
Al-D	mg/L	<0.0060	<0.0060	0.881	0.0172	0.0185	0.0099
Ag-D	mg/L	<0.000040	<0.000040	<0.000040	<0.000020	<0.000020	<0.000040
Ag-CSR	mg/L	0.01500	0.01500	0.0150	0.0150	0.0150	0.01500
As-D	mg/L	0.00213	0.00199	0.00096	0.00027	0.00026	0.00062
Ba-D	mg/L	0.0146	0.0149	0.0149	0.0178	0.0178	0.0154
B-D	mg/L	0.80	0.77	0.36	0.183	0.174	1.70
Be-D	mg/L	<0.00020	<0.00020	0.00024	<0.00010	<0.00010	<0.00020
Bi-D	mg/L	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	<0.0020
Cd-CSR	mg/L	0.0006000	0.0006000	0.000600	0.000600	0.000600	0.0006000
Cd-D	mg/L	<0.000020	<0.000020	0.000244	<0.000010	<0.000010	<0.000020
Ca-D	mg/L	504	498	283	127	125	425
Cr-D	mg/L	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	<0.0020
Co-D	mg/L	0.00313	0.00326	0.0533	<0.00020	<0.00020	0.00183
Cu-D	mg/L	<0.00040	<0.00040	0.0275	0.00110	0.00112	<0.00040
Cu-CSR	mg/L	0.09000	0.09000	0.0900	0.0900	0.0900	0.09000
Fe-D	mg/L	4.89	4.94	0.081	0.0089	0.0094	2.59
Hard-D	mg/L	1460	1450	881	381	378	1230
Pb-D	mg/L	<0.00040	<0.00040	<0.00040	<0.00020	<0.00020	<0.00040
Pb-CSR	mg/L	0.1600	0.1600	0.160	0.160	0.160	0.1600
Mg-D	mg/L	48.7	49.9	42.1	15.7	16.0	40.8
Mn-D	mg/L	1.69	1.73	1.81	0.0094	0.0092	0.248
Na-D	mg/L	51.5	53.2	63.5	22.9	22.2	491
Mo-D	mg/L	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	<0.0020
Ni-D	mg/L	0.0022	0.0023	0.0947	0.0017	0.0017	0.0033
Ni-CSR	mg/L	1.500	1.500	1.50	1.50	1.50	1.500
K-D	mg/L	5.46	5.46	2.26	1.12	1.14	4.96
S-D	mg/L	436	436	337	111	110	719
Sb-D	mg/L	<0.0010	<0.0010	<0.0010	<0.00050	<0.00050	<0.0010
Se-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00010	<0.00010	<0.00020
Si-D	mg/L	3.79	3.58	4.24	3.45	3.30	2.72
Sr-D	mg/L	4.60	4.57	2.32	0.866	0.871	5.93
Ti-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000010	<0.000010	<0.000020
Ti-D	mg/L	<0.010	<0.010	<0.010	<0.0050	<0.0050	<0.010
U-D	mg/L	0.00042	0.00043	<0.00020	<0.00010	<0.00010	<0.00020
V-D	mg/L	<0.010	<0.010	<0.010	<0.0050	<0.0050	<0.010
Zn-D	mg/L	<0.010	<0.010	0.125	<0.0050	<0.0050	<0.010
Zn-CSR	mg/L	2.400	2.400	2.400	2.400	2.400	2.400

Table 32 In-Situ Groundwater Wells Q1 5 Page(s)

In-Situ Ground Water					
	Description	4-South Mine Water	RBP Water Cover Over PAG-CCR	7-South Water Cover Over PAG-CCR	
	Well ID	QU1101	QU1109M	QU1410	QU1410
	Station Type	MW	GW	MW	MW
Water Level	m	27.32	17.33	10.84	10.84
Date		27-Jun-22	29-Jun-22	7-Jun-22	7-Jun-22
	Sample Class	M	M	M	R
Parameter	Units				
SO4-D	mg/L	1400	680	2000	2000
H2SEquiv	mg/L	0.0170	0.00468	0.00744	0.00574
Cond-F	uS/cm	2244	2310	3037	3037
pH-F	pH Units	6.79	7.19	6.63	6.63
Temp-F	C	10.5	10.9	13.4	13.4
DO-F	mg/L	0.76	1.17	0.89	0.89
ORP-F	mV	-142.4	-161.1	-8.3	-8.3
Turb	NTU	620	120	<0.10	11
Alk-T	mg/L	35	450	290	310
Acidity83	mg/L	62.3	1.5	29.2	35.3
N-D	mg/L	0.433	0.329	0.287	0.273
DOC	mg/L	1.8	<0.50	1.8	1.5
Hydrox	mg/L	<1.0	<1.0	<1.0	<1.0
Bicarb	mg/L	42	550	350	380
Carb	mg/L	<1.0	<1.0	<1.0	<1.0
Cl-D	mg/L	2.8	41	6.2	6.3
F-D	mg/L	0.45	0.12	0.17	0.18
Flu-CSR	mg/L	3.00	3.00	3.00	3.00
Br-D	mg/L	0.24	0.14	0.27	0.26
P-D	mg/L	0.051	<0.0030	0.029	0.034
Al-D	mg/L	<0.0060	<0.015	<0.015	<0.015
Ag-D	mg/L	<0.000040	<0.00010	<0.00010	<0.00010
Ag-CSR	mg/L	0.01500	0.0150	0.01500	0.01500
As-D	mg/L	0.108	0.00475	0.0942	0.0943
Ba-D	mg/L	0.0124	0.0162	0.0146	0.0147
B-D	mg/L	1.18	1.00	1.13	1.15
Be-D	mg/L	<0.00020	<0.00050	<0.00050	<0.00050
Bi-D	mg/L	<0.0020	<0.0050	<0.0050	<0.0050
Cd-CSR	mg/L	0.0006000	0.000600	0.0006000	0.0006000
Cd-D	mg/L	<0.000020	<0.000050	<0.000050	<0.000050
Ca-D	mg/L	364	106	530	517
Cr-D	mg/L	<0.0020	<0.0050	<0.0050	<0.0050
Co-D	mg/L	<0.00040	<0.0010	<0.0010	<0.0010
Cu-D	mg/L	<0.00040	<0.0010	<0.0010	<0.0010
Cu-CSR	mg/L	0.09000	0.0900	0.09000	0.09000
Fe-D	mg/L	149	9.87	1.66	1.66
Hard-D	mg/L	1110	320	2030	2010
Pb-D	mg/L	<0.00040	<0.0010	<0.0010	<0.0010
Pb-CSR	mg/L	0.1600	0.160	0.1600	0.1600
Mg-D	mg/L	49.2	13.5	172	175
Mn-D	mg/L	2.23	0.464	1.41	1.45
Na-D	mg/L	132	372	65.1	65.8
Mo-D	mg/L	<0.0020	<0.0050	<0.0050	<0.0050
Ni-D	mg/L	<0.0020	<0.0050	<0.0050	<0.0050
Ni-CSR	mg/L	1.500	1.50	1.500	1.500
K-D	mg/L	6.27	5.04	7.64	7.64
S-D	mg/L	463	223	663	647
Sb-D	mg/L	<0.0010	<0.0025	<0.0025	<0.0025
Se-D	mg/L	<0.00020	<0.00050	<0.00050	<0.00050
Si-D	mg/L	5.47	3.42	3.60	3.49
Sr-D	mg/L	1.97	1.29	4.97	5.03
Tl-D	mg/L	<0.000020	<0.000050	<0.000050	<0.000050
Ti-D	mg/L	<0.010	<0.025	<0.025	<0.025
U-D	mg/L	<0.00020	<0.00050	0.00081	0.00083
V-D	mg/L	<0.010	<0.025	<0.025	<0.025
Zn-D	mg/L	<0.010	<0.025	<0.025	<0.025
Zn-CSR	mg/L	2.400	2.400	2.400	2.400

Table 32 In-Situ Groundwater Wells Q1 5 Page(s)

In-Situ Ground Water						
	Description	242 Mine Water		7-South Mine Water		
Well ID	Station Type	242MW	1M7SA5	1M7SA5	7SA5	7SA5
m	m	MW	MW	MW	MW	MW
Water Level		22.32				
Date	Sample Class	13-Jun-22	10-May-22	22-Jun-22	10-May-22	22-Jun-22
	Units	M	M	M	M	M
Parameter	Units					
SO4-D	mg/L	37	150	140	36	64
H2SEquiv	mg/L	0.000957				
Cond-F	uS/cm	289.1	571	597	388	456
pH-F	pH Units	6.42	7.92	8.02	8.09	8.30
Temp-F	C	8.3	15.8	17.1	15.3	18.1
DO-F	mg/L	0.42				
ORP-F	mV	-8.3				
Turb	NTU	130	2.8	1.9	3.5	4.1
Alk-T	mg/L	91	140	140	170	160
Acidity83	mg/L	2.5	<1.0	2.3	<1.0	<1.0
N-D	mg/L	0.096	0.181	0.177	0.253	0.165
DOC	mg/L	<0.50	0.76	0.54	0.84	0.75
Hydrox	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarb	mg/L	110	180	170	210	190
Carb	mg/L	<1.0	<1.0	<1.0	<1.0	1.8
Cl-D	mg/L	1.1	1.5	1.6	1.5	1.9
F-D	mg/L	0.066	0.36	0.47	0.48	0.57
Flu-CSR	mg/L	3.00	3.00	3.00	3.00	3.00
Br-D	mg/L	<0.010	0.059	0.018	0.027	0.011
P-D	mg/L	0.079	0.0032	0.0049	0.010	0.054
Al-D	mg/L	<0.0030	0.0061	0.0073	<0.0030	0.0047
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Ag-CSR	mg/L	0.0150	0.0150	0.0150	0.0150	0.0150
As-D	mg/L	0.0885	0.0830	0.00762	0.225	0.190
Ba-D	mg/L	0.0746	0.155	0.174	0.330	0.137
B-D	mg/L	0.054	0.414	0.484	0.509	0.560
Be-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Bi-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cd-CSR	mg/L	0.000500	0.000600	0.000600	0.000500	0.000600
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Ca-D	mg/L	42.2	72.9	63.7	43.6	45.1
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Co-D	mg/L	0.00105	0.00065	0.00092	<0.00020	0.00050
Cu-D	mg/L	<0.00020	0.00369	0.00149	0.00482	0.00099
Cu-CSR	mg/L	0.0500	0.0900	0.0900	0.0600	0.0700
Fe-D	mg/L	12.4	0.0520	0.0996	<0.0050	0.0964
Hard-D	mg/L	119	244	221	146	156
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Pb-CSR	mg/L	0.0600	0.110	0.110	0.0600	0.0600
Mg-D	mg/L	3.24	15.1	15.0	9.05	10.4
Mn-D	mg/L	0.535	0.0501	0.0492	0.0110	0.0143
Na-D	mg/L	2.04	17.3	19.9	22.4	23.9
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0011
Ni-D	mg/L	<0.0010	0.0018	0.0026	<0.0010	0.0014
Ni-CSR	mg/L	0.650	1.50	1.50	1.10	1.10
K-D	mg/L	0.418	2.12	2.23	2.26	2.13
S-D	mg/L	11.1	48.5	43.0	10.5	17.5
Sb-D	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Si-D	mg/L	3.48	4.27	4.09	5.19	5.11
Sr-D	mg/L	0.0592	0.582	0.599	0.501	0.536
Tl-D	mg/L	0.000012	<0.000010	0.000015	<0.000010	<0.000010
Ti-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
U-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
V-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zn-CSR	mg/L	0.900	1.650	1.650	0.900	0.900

Table 33 Ex-Situ Groundwater Wells Q1 4 Page(s)

Ex-Situ Ground Water										
Water Level Date	Description Well ID		Station Type	2 / 3 North Area						
				QU0821GS GW 2.6	QU0821GD GW	QU1010S GW 34.15	QU1010D GW 34.67	QU1011S GW 4.82	QU1011S GW 4.82	QU1011D GW 26.31
Parameter	Sample Class	Units	Freshwater Aquatic Life (CSR-AW)	21-Jun-22 M	21-Jun-22 M	7-Jul-22 M	29-Jun-22 M	28-Jun-22 M	28-Jun-22 R	28-Jun-22 M
SO4-D	mg/L		1280	<1.0	<1.0		<1.0	4.9	5.4	1.2
H2SEquiv	mg/L	H2S	0.02	0.106	0.0914		0.000957	0.00468	0.00627	0.0904
Cond-F	uS/cm			813	2923	1375	10918	263.1	263.1	1436
pH-F	pH Units			7.82	7.53	6.89	7.42	6.71	6.71	7.14
Temp-F	C			10.3	9.4	14	10.5	10.1	10.1	9.6
DO-F	mg/L			0.31	0.46	2.6	0.64	1.43	1.43	0.92
ORP-F	mV			-179.5	-161.5	-106.8	-164.3	-57.8	-57.8	-182.4
Turb	NTU			1.5	7.3		100	2.4	2.6	1000
Alk-T	mg/L			200	210		87	120	120	310
Acidity83	mg/L			<1.0	4.5		8.6	5.0	3.5	3.3
N-D	mg/L			0.223	0.425		0.848	0.077	0.086	0.297
DOC	mg/L			0.70	16		24	0.60	0.57	1.8
Hydrox	mg/L			<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
Bicarb	mg/L			230	250		110	140	140	380
Carb	mg/L			4.3	<1.0		<1.0	<1.0	<1.0	3.3
Cl-D	mg/L		1500	140	910		3300	3.1	2.8	200
F-D	mg/L			1.6	1.3		<0.050	0.12	0.12	0.37
Flu-CSR	mg/L	Flu-CSR		3.00	3.00		3.000	3.00	3.00	3.00
Br-D	mg/L			0.20	1.3		3.8	<0.010	<0.010	0.39
P-D	mg/L			0.081	0.057		0.065	0.014	0.013	0.048
Al-D	mg/L			<0.0060	<0.015		0.015	<0.0030	<0.0030	<0.0030
Ag-D	mg/L			<0.000040	<0.00010		<0.00010	<0.000020	<0.000020	<0.000020
Ag-CSR	mg/L	Ag-CSR		0.0005	0.015		0.0150	0.0005	0.0005	0.015
As-D	mg/L		0.05	0.197	0.177		0.013	0.00168	0.00174	0.0116
Ba-D	mg/L		10	0.526	2.09		1.36	0.178	0.181	0.26
B-D	mg/L		50	1.97	2.93		0.36	0.252	0.258	1.1
Be-D	mg/L		0.053	<0.00020	<0.00050		<0.00050	<0.00010	<0.00010	<0.00010
Bi-D	mg/L			<0.0020	<0.0050		<0.0050	<0.0010	<0.0010	<0.0010
Cd-CSR	mg/L	Cd-CSR		0.0003	0.0006		0.0006	0.0005	0.0005	0.0005
Cd-D	mg/L			<0.000020	<0.000050		<0.000050	<0.000010	<0.000010	<0.000010
Ca-D	mg/L			24.6	93.9		651	29.5	29.5	46.4
Cr-D	mg/L		0.010	<0.0020	<0.0050		<0.0050	<0.0010	<0.0010	<0.0010
Co-D	mg/L		0.04	<0.00040	<0.0010		<0.0010	<0.00020	<0.00020	<0.00020
Cu-D	mg/L			<0.00040	<0.0010		<0.0010	<0.00020	<0.00020	<0.00020
Cu-CSR	mg/L	Cu-CSR		0.040	0.09		0.09	0.04	0.04	0.06
Fe-D	mg/L			0.33	0.772		8.14	0.602	0.606	1.87
Hard-D	mg/L			81.5	289		1680	98.6	98.4	135
Pb-D	mg/L			<0.00040	<0.0010		<0.0010	<0.00020	<0.00020	<0.00020
Pb-CSR	mg/L	Pb-CSR		0.05	0.11		0.16	0.05	0.05	0.06
Mg-D	mg/L			4.89	13.3		12.5	6.03	5.98	4.53
Mn-D	mg/L			0.0351	0.0444		0.517	0.0709	0.0709	0.226
Na-D	mg/L			149	472		1370	12.7	12.3	229
Mo-D	mg/L		10	<0.0020	<0.0050		<0.0050	<0.0010	<0.0010	<0.0010
Ni-D	mg/L			<0.0020	<0.0050		<0.0050	<0.0010	<0.0010	<0.0010
Ni-CSR	mg/L	Ni-CSR		0.65	1.50		1.5	0.65	0.65	1.1
K-D	mg/L			4.39	8.4		7.98	1.4	1.39	4.01
S-D	mg/L			<6.0	<15		<15	<3.0	<3.0	<3.0
Sb-D	mg/L		0.2	<0.0010	<0.0025		<0.0025	<0.00050	<0.00050	<0.00050
Se-D	mg/L		0.01	<0.00020	<0.00050		<0.00050	<0.00010	<0.00010	<0.00010
Si-D	mg/L			3.71	4.38		3.91	3.47	3.49	5.59
Sr-D	mg/L			0.611	2		6.41	0.308	0.313	0.644
Tl-D	mg/L		0.003	<0.000020	<0.000050		<0.000050	<0.000010	<0.000010	<0.000010
Ti-D	mg/L		1.00	<0.010	<0.025		<0.025	<0.0050	<0.0050	<0.0050
U-D	mg/L		3	<0.00020	<0.00050		<0.00050	<0.00010	<0.00010	<0.00010
V-D	mg/L			<0.010	<0.025		<0.025	<0.0050	<0.0050	<0.0050
Zn-D	mg/L			<0.010	<0.025		<0.025	<0.0050	<0.0050	<0.0050
Zn-CSR	mg/L	Zn-CSR		0.075	1.65		2.4	0.15	0.15	0.9

Table 33 Ex-Situ Groundwater Wells Q1 4 Page(s)

Ex-Situ Ground Water										
Water Level Date	Description		Station Type	Freshwater Aquatic Life (CSR-AW)	2 / 3 North Area		RBP	2-North		2-North
	Well ID				QU1105S GW	QU1105D GW		QU1109S GW	MW001S GW	
Parameter	Sample Class		Units	M	M	M	M	M	M	M
	Units									
SO4-D	mg/L		1280	87	280	160	570	560	560	570
H2SEquiv	mg/L	H2S	0.02	0.0702	80.8	0.000957	0.000957	0.000957	0.000957	0.000957
Cond-F	uS/cm			495.9	5248	1401	1156	1543	910	910
pH-F	pH Units			6.78	7.83	7.66	6.25	6.42	7.48	7.48
Temp-F	C			10.4	13.3	9.8	9.7	10.7	10.5	10.5
DO-F	mg/L			0.28	0.53	0.79	0.79	1.24	2.73	2.73
ORP-F	mV			-275.7	-373.7	-214.2	-3.3	34.9	22.2	22.2
Turb	NTU			3.3	73	6.4	2.2	43	0.21	0.34
Alk-T	mg/L			160	380	440	260	320	150	160
Acidity83	mg/L			<1.0	8.7	<1.0	32.9	20.0	1.9	1.6
N-D	mg/L			0.139	0.361	0.245	0.158	0.115	0.559	0.531
DOC	mg/L			0.74	6.9	0.76	2.3	2.1	1.7	1.7
Hydrox	mg/L			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarb	mg/L			200	420	530	320	380	190	190
Carb	mg/L			<1.0	23	7.1	<1.0	<1.0	<1.0	<1.0
Cl-D	mg/L		1500	2.4	1100	55	2.0	1.8	4.0	3.6
F-D	mg/L			0.26	<0.050	0.55	<0.050	<0.050	0.063	0.060
Flu-CSR	mg/L	Flu-CSR		3.00	3.00	3.00	3.00	3.00	3.00	3.00
Br-D	mg/L			0.011	1.7	0.10	0.13	0.12	0.12	0.12
P-D	mg/L			0.030	0.16	0.037	0.0062	0.0090	0.069	0.066
Al-D	mg/L			<0.0030	<0.015	<0.015	<0.0030	<0.0030	<0.0030	<0.0030
Ag-D	mg/L			<0.000020	<0.00010	<0.00010	<0.000020	<0.000020	<0.000020	<0.000020
Ag-CSR	mg/L	Ag-CSR		0.0005	0.015	0.001	0.015	0.015	0.015	0.015
As-D	mg/L		0.05	0.0645	0.00178	0.100	0.00143	0.00335	0.00176	0.00172
Ba-D	mg/L		10	0.042	0.109	0.0402	0.0203	0.0427	0.0303	0.0304
B-D	mg/L		50	0.53	0.43	1.83	0.312	0.297	0.159	0.151
Be-D	mg/L		0.053	<0.00010	<0.00050	<0.00050	<0.00010	<0.00010	<0.00010	<0.00010
Bi-D	mg/L			<0.0010	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010
Cd-CSR	mg/L	Cd-CSR		0.0003	0.0006	0.0003	0.0006	0.0006	0.0006	0.0006
Cd-D	mg/L			<0.000010	<0.000050	<0.000050	0.000071	0.000034	0.000028	0.000024
Ca-D	mg/L			23	140	24.8	207	212	128	124
Cr-D	mg/L		0.010	<0.0010	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010
Co-D	mg/L		0.04	<0.00020	<0.0010	<0.0010	0.00182	0.00253	<0.00020	<0.00020
Cu-D	mg/L			<0.00020	<0.0010	<0.0010	<0.00020	<0.00020	0.0006	0.0006
Cu-CSR	mg/L	Cu-CSR		0.03	0.09	0.04	0.09	0.09	0.09	0.09
Fe-D	mg/L			0.651	<0.025	0.642	0.967	3.54	<0.0050	<0.0050
Hard-D	mg/L			74.6	370	80.2	665	670	371	358
Pb-D	mg/L			<0.00020	<0.0010	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020
Pb-CSR	mg/L	Pb-CSR		0.05	0.16	0.05	0.16	0.16	0.16	0.2
Mg-D	mg/L			4.16	4.84	4.46	35.8	34.2	12.3	12
Mn-D	mg/L			0.0816	0.0547	0.0487	1.15	1.78	0.103	0.0521
Na-D	mg/L			72.2	878	284	64.6	67.2	147	146
Mo-D	mg/L		10	<0.0010	<0.0050	<0.0050	<0.0010	<0.0010	0.0296	0.0299
Ni-D	mg/L			<0.0010	<0.0050	<0.0050	0.00	0.00	<0.0010	<0.0010
Ni-CSR	mg/L	Ni-CSR		0.65	1.5	0.65	1.5	1.50	1.5	1.5
K-D	mg/L			2.5	4.93	3.59	1.62	1.7	2.14	2.14
S-D	mg/L			25	163	52	186	179	186	182
Sb-D	mg/L		0.2	<0.00050	<0.0025	<0.0025	<0.00050	<0.00050	<0.00050	<0.00050
Se-D	mg/L		0.01	<0.00010	0.0246	<0.00050	<0.00010	<0.00010	0.00027	0.00025
Si-D	mg/L			3.1	4.18	4.87	9.67	8.63	4.86	4.85
Sr-D	mg/L			0.303	1.67	0.369	1.29	1.17	0.763	0.741
Tl-D	mg/L		0.003	<0.000010	<0.000050	<0.000050	<0.000010	<0.000010	<0.000010	<0.000010
Ti-D	mg/L		1.00	<0.0050	<0.025	<0.025	<0.0050	<0.0050	<0.0050	<0.0050
U-D	mg/L		3	<0.00010	<0.00050	<0.00050	0.00138	0.00155	0.00772	0.00761
V-D	mg/L			<0.0050	<0.025	<0.025	<0.0050	<0.0050	<0.0050	<0.0050
Zn-D	mg/L			<0.0050	<0.025	<0.025	<0.0050	<0.0050	<0.0050	<0.0050
Zn-CSR	mg/L	Zn-CSR		0.075	2.4	0.075	2.4	2.4	2.4	2.4

Table 33 Ex-Situ Groundwater Wells Q1 4 Page(s)

Ex-Situ Ground Water								
Water Level Date	Description Well ID	Station Type	Freshwater Aquatic Life (CSR-AW) 1280	2-North	7-South	7-South	7-South	7-South
	m			MW006D GW 46 14-Jun-22 M	QU0810 GW 24.64 13-Jun-22 M	QU0813A GW 11.28 22-Jun-22 M	QU0813A GW 11.28 22-Jun-22 R	QU0813B GW 10.31 7-Jun-22 M
Parameter	Sample Class Units							
SO4-D	mg/L			13	370	80	79	43
H2SEquiv	mg/L	H2S	0.02	0.000957	0.00957	0.276	0.255	0.0617
Cond-F	uS/cm			167.1	1136	574.3	574.3	355.3
pH-F	pH Units			8.63	6.86	7.65	7.65	7.86
Temp-F	C			10	15.6	9.5	9.5	10.1
DO-F	mg/L				0.96	0.2	0.2	0.35
ORP-F	mV				-7.4	-199.8	-199.8	-114.1
Turb	NTU			0.21	99	2.3	2.6	0.74
Alk-T	mg/L			78	200	190	190	140
Acidity83	mg/L			<1.0	1.3	<1.0	<1.0	<1.0
N-D	mg/L			0.103	0.219	0.223	0.224	0.161
DOC	mg/L			1.1	1.1	1.0	0.63	0.80
Hydrox	mg/L			<1.0	<1.0	<1.0	<1.0	<1.0
Bicarb	mg/L			95	250	230	230	170
Carb	mg/L			<1.0	<1.0	<1.0	<1.0	<1.0
Cl-D	mg/L		1500	<1.0	1.4	18	18	5.5
F-D	mg/L			0.11	0.38	0.68	0.69	0.45
Flu-CSR	mg/L	Flu-CSR		2.00	3.00	3.00	3.00	3.00
Br-D	mg/L			<0.010	0.076	0.038	0.038	<0.010
P-D	mg/L			0.16	0.0068	0.16	0.17	0.21
Al-D	mg/L			0.0146	<0.0030	<0.0030	<0.0030	0.0031
Ag-D	mg/L			<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Ag-CSR	mg/L	Ag-CSR		0.0005	0.015	0.015	0.015	0.015
As-D	mg/L		0.05	0.0296	0.00043	0.452	0.457	0.506
Ba-D	mg/L		10	0.01	0.0362	0.195	0.193	0.0641
B-D	mg/L		50	<0.050	0.246	0.685	0.685	0.426
Be-D	mg/L		0.053	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Bi-D	mg/L			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cd-CSR	mg/L	Cd-CSR		0.0003	0.0006	0.0005	0.0005	0.0005
Cd-D	mg/L			<0.000010	0.000035	<0.000010	<0.000010	<0.000010
Ca-D	mg/L			17.1	180	41.1	41.1	31.5
Cr-D	mg/L		0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Co-D	mg/L		0.04	<0.00020	0.00174	<0.00020	<0.00020	<0.00020
Cu-D	mg/L			0.0003	0.0005	<0.00020	<0.00020	<0.00020
Cu-CSR	mg/L	Cu-CSR		0.02	0.090	0.06	0.060	0.05
Fe-D	mg/L			<0.0050	0.23	0.291	0.29	0.149
Hard-D	mg/L			44.9	595	145	146	102
Pb-D	mg/L			<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Pb-CSR	mg/L	Pb-CSR		0.040	0.16	0.06	0.06	0.06
Mg-D	mg/L			0.52	35.5	10.4	10.5	5.76
Mn-D	mg/L			0.0108	0.2	0.0647	0.1	0.0635
Na-D	mg/L			20.5	10	60.4	60	36.7
Mo-D	mg/L		10	0.0032	<0.0010	<0.0010	<0.0010	0.0021
Ni-D	mg/L			<0.0010	0.01	<0.0010	<0.0010	<0.0010
Ni-CSR	mg/L	Ni-CSR		0.25	1.5	1.1	1.1	0.65
K-D	mg/L			0.759	4.04	2.48	2.43	1.58
S-D	mg/L			3.6	139	24.8	25.1	12.8
Sb-D	mg/L		0.2	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Se-D	mg/L		0.01	<0.00010	0.0001	<0.00010	0.00079	<0.00010
Si-D	mg/L			3.3600	3.77	3.9	3.98	4.42
Sr-D	mg/L			0.081	1.43	0.591	0.596	0.288
Tl-D	mg/L		0.003	<0.000010	0.000028	<0.000010	<0.000010	<0.000010
Ti-D	mg/L		1.00	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
U-D	mg/L		3	0.00061	0.0016	<0.00010	<0.00010	<0.00010
V-D	mg/L			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zn-D	mg/L			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zn-CSR	mg/L	Zn-CSR		0.075	2.4	0.9	0.9	0.9

Table 33 Ex-Situ Groundwater Wells Q1 4 Page(s)

Ex-Situ Ground Water					
Water Level Date	Description Well ID			4-South QU1009S GW 3.22 22-Jun-22 M	4-South QU1009D GW 4.45 27-Jun-22 M
	Station Type				
Parameter	Sample Class Units		Freshwater Aquatic Life (CSR-AW)		
SO4-D	mg/L		1280	120	66
H2SEquiv	mg/L	H2S	0.02	0.0223	0.117
Cond-F	uS/cm			492.1	412.3
pH-F	pH Units			6.84	7.46
Temp-F	C			9.7	9.7
DO-F	mg/L			0.39	0.73
ORP-F	mV			-137.2	-180.1
Turb	NTU			58	5.2
Alk-T	mg/L			130	170
Acidity83	mg/L			4.2	1.5
N-D	mg/L			0.093	0.156
DOC	mg/L			1.0	0.59
Hydrox	mg/L			<1.0	<1.0
Bicarb	mg/L			160	200
Carb	mg/L			<1.0	2.6
Cl-D	mg/L		1500	1.0	2.3
F-D	mg/L			0.064	0.26
Flu-CSR	mg/L	Flu-CSR		3.00	3.00
Br-D	mg/L			0.035	0.016
P-D	mg/L			0.035	0.039
Al-D	mg/L			<0.0030	<0.0030
Ag-D	mg/L			<0.000020	<0.000020
Ag-CSR	mg/L	Ag-CSR		0.015	0.015
As-D	mg/L		0.05	0.0825	0.106
Ba-D	mg/L		10	0.116	0.114
B-D	mg/L		50	0.054	0.522
Be-D	mg/L		0.053	<0.00010	<0.00010
Bi-D	mg/L			<0.0010	<0.0010
Cd-CSR	mg/L	Cd-CSR		0.0006	0.0006
Cd-D	mg/L			<0.000010	<0.000010
Ca-D	mg/L			67.5	51.9
Cr-D	mg/L		0.010	<0.0010	<0.0010
Co-D	mg/L		0.04	<0.00020	<0.00020
Cu-D	mg/L			<0.00020	<0.00020
Cu-CSR	mg/L	Cu-CSR		0.09	0.07
Fe-D	mg/L			4.34	0.552
Hard-D	mg/L			211	171
Pb-D	mg/L			<0.00020	<0.00020
Pb-CSR	mg/L	Pb-CSR		0.11	0.06
Mg-D	mg/L			10.3	10.1
Mn-D	mg/L			0.35	0.1
Na-D	mg/L			9.2	33
Mo-D	mg/L		10	<0.0010	<0.0010
Ni-D	mg/L			<0.0010	<0.0010
Ni-CSR	mg/L	Ni-CSR		1.5	1.1
K-D	mg/L			0.706	1.56
S-D	mg/L			35.7	22.6
Sb-D	mg/L		0.2	<0.00050	<0.00050
Se-D	mg/L		0.01	<0.00010	<0.00010
Si-D	mg/L			8.77	10.1
Sr-D	mg/L			0.256	0.879
Tl-D	mg/L		0.003	<0.000010	<0.000010
Ti-D	mg/L		1.00	<0.0050	<0.0050
U-D	mg/L		3	<0.00010	<0.00010
V-D	mg/L			<0.0050	<0.0050
Zn-D	mg/L			<0.0050	<0.0050
Zn-CSR	mg/L	Zn-CSR		1.65	0.9

Table 34 Potential Seepage Near QU1109 2 Page(s)

EMS ID	Stn Std Max-WQG								
Site Description	Potential Seepage near QU1109								
Site Name	S	Std Val		S-5APR22-M	S-11APR22-M	S-19APR22-M	S-25APR22-M	S-2MAY22-M	S-9MAY22-M
Date		Max	Min	05-04-2022	11-04-2022	19-04-2022	25-04-2022	02-05-2022	09-05-2022
pH-F	pH Units	9.0	6.5	7.86	7.95	7.81	7.92	8.07	8.31
Cond-F	uS/cm			955.6	1162.4	1135.6	1035.6	1087	1130
SO4-D	mg/L			170	170	170	180	160	170
TSS	mg/L	25		1.2	<1.0	1.6	<1.7	<1.0	
Alk-T	mg/L			310	400	370	380	350	350
Acidity83	mg/L			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOC	mg/L			2.3	2.7	1.5	2.2	2.4	1.8
Cl-D	mg/L	600		27	38	33	37	35	36
F-D	mg/L			0.49	0.49	0.44	0.46	0.43	0.45
Al-T	mg/L			0.0419	0.0108	0.0130	0.0226	0.0278	0.0104
As-T	mg/L	0.005		0.0600	0.0831	0.0636	0.0647	0.0621	0.0666
Ba-T	mg/L			0.0473	0.0615	0.0497	0.0508	0.0489	0.0507
B-T	mg/L			1.28	1.65	1.34	1.38	1.23	1.33
Cd-T	mg/L			<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Ca-T	mg/L			23.5	29.9	25.5	25.0	23.9	26.1
Cr-T	mg/L			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Co-T	mg/L	0.11		<0.00020	0.00022	<0.00020	<0.00020	<0.00020	<0.00020
Cu-T	mg/L			<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Hard-T	mg/L			83.2	107	90.6	89.0	86.2	93.7
Fe-T	mg/L	1.0		0.205	0.300	0.199	0.263	0.228	0.186
Pb-T	mg/L	0.01763		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mg-T	mg/L			5.98	7.93	6.55	6.47	6.43	6.94
Mn-T	mg/L	0.8706		0.0466	0.0751	0.0492	0.0626	0.0548	0.0459
Hg-T	mg/L								
Mo-T	mg/L	2.0		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ni-T	mg/L			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
K-T	mg/L			3.08	4.20	3.38	3.41	3.45	3.57
S-T	mg/L			52.5	67.8	55.3	56.1	53.2	56.1
Se-T	mg/L			<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Si-T	mg/L			4.78	5.63	5.15	4.74	4.48	4.82
Ag-T	mg/L	0.0001		<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Na-T	mg/L			195	269	213	217	212	227
Sr-T	mg/L			0.353	0.425	0.386	0.387	0.339	0.369
Zn-T	mg/L	0.033		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Al-D	mg/L	0.1		0.0113	0.0089	0.0067	0.0102	0.0096	0.0053
As-D	mg/L			0.0556	0.0721	0.0624	0.0615	0.0605	0.0625
Ba-D	mg/L			0.0434	0.0536	0.0528	0.0478	0.0473	0.0497
B-D	mg/L			1.28	1.49	1.24	1.39	1.55	1.38
Be-D	mg/L			<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Cd-D	mg/L	0.00017		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Ca-D	mg/L			22.7	25.9	26.3	24.9	24.3	25.4
Cr-D	mg/L			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Co-D	mg/L			<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Cu-D	mg/L	≤ 0.0054		0.00025	0.00021	<0.00020	0.00021	0.00024	0.00020
Hard-D	mg/L			80.4	94.3	91.0	88.6	87.1	91.4
Fe-D	mg/L	0.35		0.141	0.202	0.153	0.164	0.158	0.127
Pb-D	mg/L			<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mg-D	mg/L			5.75	7.18	6.15	6.40	6.40	6.78
Mn-D	mg/L			0.0428	0.0611	0.0480	0.0586	0.0517	0.0424
Mo-D	mg/L			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ni-D	mg/L			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
K-D	mg/L			3.05	3.75	3.44	3.36	3.38	3.51
S-D	mg/L			52.5	63.9	53.4	52.8	52.8	55.9
Se-D	mg/L			<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Si-D	mg/L			4.58	5.06	5.30	4.71	4.71	4.77
Na-D	mg/L			193	241	213	218	219	224
Sr-D	mg/L			0.317	0.395	0.398	0.362	0.348	0.362
Zn-D	mg/L	0.033		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
As-load	mg/d			8.29	6.82	6.48	7.04	6.44	6.33

Table 34 Potential Seepage Near QU1109 2 Page(s)

EMS ID				Stn Std							
Site Description				Potential Seepage near QU1109							
Site Name	S	Std Val		S-16MAY22-M	S-26MAY22-M	S-2JUN22-M	S-9JUN22-M	S-16JUN22-M	S-20JUN22-M	S-23JUN22-M	S-28JUN22-M
Date		Max	Min	16-05-2022	26-05-2022	02-06-2022	09-06-2022	16-06-2022	20-06-2022	23-06-2022	28-06-2022
pH-F	pH Units	9.0	6.5	8.15	8.24	8.14	8.05	8.13	8.16	8.14	8.07
Cond-F	uS/cm			1237	1720	1317	1347	1424	1453	1478	1749
SO4-D	mg/L			180	190	210	240	250	230	230	230
TSS	mg/L	25				<1.0					
Alk-T	mg/L				460	460	400	450	460	460	470
Acidity83	mg/L				<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOC	mg/L				1.7	1.9	1.9	2.4	1.6	1.7	1.6
Cl-D	mg/L	600		38	47	51	54	51	52	51	57
F-D	mg/L			0.53	0.57		0.61	0.60	0.62	0.63	0.64
Al-T	mg/L				0.0101	0.0074	0.0111	0.0111	0.0114	0.0122	0.0116
As-T	mg/L	0.005			0.0678	0.0737	0.0723	0.0681	0.0721	0.0698	0.0700
Ba-T	mg/L				0.0537	0.0588	0.0612	0.0570	0.0580	0.0576	0.0559
B-T	mg/L				1.52	1.84	1.71	1.71	1.86	1.72	1.67
Cd-T	mg/L				0.000025	<0.000010	<0.000020	<0.000010	<0.000020	0.000022	<0.000010
Ca-T	mg/L				25.0	29.1	28.9	27.4	27.9	27.7	26.3
Cr-T	mg/L				<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0010
Co-T	mg/L	0.11			<0.00040	0.00030	<0.00040	0.00025	<0.00040	<0.00020	0.00020
Cu-T	mg/L				<0.0010	<0.00050	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050
Hard-T	mg/L				90.7	102	102	97.1	98.5	99.0	93.0
Fe-T	mg/L	1.0			0.177	0.218	0.275	0.285	0.265	0.245	0.270
Pb-T	mg/L	0.01763			<0.00040	<0.00020	<0.00040	<0.00020	<0.00040	<0.00020	<0.00020
Mg-T	mg/L				6.86	7.01	7.15	6.93	7.00	7.22	6.63
Mn-T	mg/L	0.8706			0.170	0.136	0.142	0.0873	0.0711	0.0736	0.0776
Hg-T	mg/L										
Mo-T	mg/L	2.0			<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0010
Ni-T	mg/L				<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0010
K-T	mg/L				3.89	3.98	4.23	3.96	4.37	4.37	3.99
S-T	mg/L				61.5	69.5	70.5	73.1	76.6	79.2	72.0
Se-T	mg/L				<0.00020	<0.00010	<0.00020	<0.00010	<0.00020	<0.00010	<0.00010
Si-T	mg/L				4.32	4.88	4.31	4.78	4.33	4.89	4.46
Ag-T	mg/L	0.0001			<0.000040	<0.000020	<0.000040	<0.000020	<0.000040	<0.000020	<0.000020
Na-T	mg/L				257	278	289	278	296	296	279
Sr-T	mg/L				0.384	0.453	0.457	0.434	0.452	0.462	0.418
Zn-T	mg/L	0.033			<0.010	<0.0050	<0.010	<0.0050	<0.010	<0.0050	<0.0050
Al-D	mg/L	0.1			0.0052	0.0051	<0.0060	0.0044	0.0068	0.0043	0.0066
As-D	mg/L				0.0704	0.0712	0.0700	0.0644	0.0657	0.0645	0.0660
Ba-D	mg/L				0.0577	0.0610	0.0604	0.0572	0.0578	0.0552	0.0571
B-D	mg/L				1.63	1.68	1.88	1.74	1.75	1.71	1.74
Be-D	mg/L				<0.00010	<0.00010	<0.00020	<0.00010	<0.00020	<0.00010	<0.00020
Cd-D	mg/L	0.00017			<0.000010	<0.000010	<0.000020	<0.000010	<0.000020	<0.000010	<0.000020
Ca-D	mg/L				27.3	27.2	28.6	27.6	26.9	26.9	28.0
Cr-D	mg/L				<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020
Co-D	mg/L				0.00027	0.00029	<0.00040	<0.00020	<0.00040	<0.00020	<0.00040
Cu-D	mg/L	≤ 0.0054			0.00022	0.00022	<0.00040	<0.00020	<0.00040	<0.00020	<0.00040
Hard-D	mg/L				97.5	97.1	102	98.8	95.9	95.0	98.7
Fe-D	mg/L	0.35			0.0986	0.122	0.112	0.124	0.113	0.0954	0.094
Pb-D	mg/L				<0.00020	<0.00020	<0.00040	<0.00020	<0.00040	<0.00020	<0.00040
Mg-D	mg/L				7.11	7.10	7.48	7.23	6.97	6.77	7.00
Mn-D	mg/L				0.178	0.132	0.125	0.0693	0.0569	0.0545	0.0596
Mo-D	mg/L				<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020
Ni-D	mg/L				<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020
K-D	mg/L				4.00	4.09	4.29	4.11	4.31	4.06	4.15
S-D	mg/L				65.4	69.7	74.6	75.6	72.9	74.0	75.4
Se-D	mg/L				<0.00010	<0.00010	<0.00020	<0.00010	<0.00020	<0.00010	<0.00020
Si-D	mg/L				4.88	4.61	4.94	4.85	4.75	4.74	4.35
Na-D	mg/L				269	279	295	283	288	276	296
Sr-D	mg/L				0.419	0.436	0.458	0.449	0.452	0.438	0.462
Zn-D	mg/L	0.033			<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.0050	<0.010
As-load	mg/d				22.3	2.2	3.12	1.86	1.99	1.6	1.31

Table 35 Potential Seepage Near QU1105 1 Page(s)

EMS ID	0														Sta Std Max-WQG													
Site Description	Potential Seepage near QU1105																											
13																												
Site Name	S2	Std Val		Min		S2-5APR22-M		S2-14APR22-M		S2-19APR22-M		S2-25APR22-M		S2-2MAY22-M		S2B-9MAY22-M		S2B-16MAY22-M		S2B-26MAY22-M		S2B-6JUN22-M		S2B-16JUN22-M		S2B-23JUN22-M		
Date		Max			05-04-2022		14-04-2022		19-04-2022		25-04-2022		02-05-2022		09-05-2022		16-05-2022		26-05-2022		06-06-2022		16-06-2022		23-06-2022			
pH-F	pH Units	9.0	6.5		7.54		7.3		7.35		7.48		7.7		7.96		7.81		7.90		7.61		7.83		7.91			
Cond-F	uS/cm				1097.2		1076		1035.2		972.8		1055		808		1034		1246		1187		1019		1022			
SO4-D	mg/L				250		230		190		260		230		150		240		240		220		200		190			
TSS	mg/L	25			2.0		2.4		1.6		2.0																	
Alk-T	mg/L				320		320		300		310		320		260		310		350		350		310		320			
Acidity83	mg/L				<1.0		2.9		<1.0		1.9		4.6		2.5		11.2		1.9		<1.0		<1.0		<1.0			
Cl-D	mg/L	600			11		11		9.1		9.2		10		6.9		10		13		16		17		17			
DOC	mg/L				1.6		1.4		1.1		1.3		1.6		1.2		1.0		1.2		1.6		1.4		1.4			
F-D	mg/L				0.29		0.28		0.27		0.28		0.26		0.28		0.31		0.33		0.39		0.41		0.45			
Al-T	mg/L				0.0108		0.0077		0.0075		0.0070		0.0092		0.0059		0.0075		0.0038		0.0038		0.0046		0.0038			
As-T	mg/L	0.005			0.0408		0.0393		0.0453		0.0463		0.0445		0.0400		0.0505		0.0404		0.0418		0.0472		0.0422			
Ba-T	mg/L				0.0771		0.0696		0.0664		0.0688		0.0700		0.0585		0.0709		0.0733		0.0763		0.0602		0.0564			
B-T	mg/L				0.844		0.684		0.734		0.748		0.706		0.625		0.742		0.780		0.867		0.799		0.750			
Cd-T	mg/L				<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010			
Ca-T	mg/L				65.3		59.7		57.9		57.3		58.9		50.1		60.9		59.1		58.8		47.6		44.1			
Cr-T	mg/L				<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010			
Co-T	mg/L	0.11			0.00029		0.00028		0.00025		0.00025		0.00026		0.00020		0.00023		0.00025		0.00028		0.00026		0.00026			
Cu-T	mg/L				<0.00050		<0.00050		<0.00050		<0.00050		<0.00050		<0.00050		<0.00050		<0.00050		<0.00050		<0.00050		<0.00050			
Hard-T	mg/L				208		193		187		186		193		167		197		195		193		157		147			
Fe-T	mg/L	1.0			1.01		0.930		0.943		0.978		0.917		0.579		1.05		0.795		0.783		0.748		0.566			
Pb-T	mg/L	0.01763			<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020			
Mg-T	mg/L				10.9		10.7		10.3		10.4		11.1		10.0		10.9		11.5		11.3		9.33		9.03			
Mn-T	mg/L	0.8706			0.201		0.185		0.172		0.175		0.173		0.128		0.159		0.172		0.191		0.164		0.155			
Hg-T	mg/L																											
Mo-T	mg/L	2.0			<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010			
Ni-T	mg/L				<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010			
K-T	mg/L				4.37		3.99		4.07		4.12		4.16		3.78		4.05		4.22		4.39		3.80		3.74			
S-T	mg/L				90.8		81.3		72.8		74.9		76.0		53.4		76.2		85.6		90.3		65.7		61.5			
Se-T	mg/L				<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010			
Si-T	mg/L				4.17		3.60		4.35		3.85		3.79		4.07		3.82		3.62		3.90		3.58		3.53			
Ag-T	mg/L	0.0001			<0.000020		<0.000020		<0.000020		<0.000020		<0.000020		<0.000020		<0.000020		<0.000020		<0.000020		<0.000020		<0.000020			
Na-T	mg/L				179		163		152		153		163		127		159		174		186		160		160			
Sr-T	mg/L				1.01		0.819		0.872		0.876		0.828		0.704		0.871		0.858		0.873		0.706		0.672			
Zn-T	mg/L	0.033			<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050			
Al-D	mg/L	0.1			0.0037		<0.0030		0.0031		<0.0030		0.0125		0.0033		<0.0030		<0.0030		<0.0030		<0.0030		<0.0030			
As-D	mg/L				0.0356		0.0375		0.0365		0.0388		0.0391		0.0340		0.0368		0.0368		0.0323		0.0371		0.0326			
Ba-D	mg/L				0.0737		0.0746		0.0682		0.0659		0.0681		0.0552		0.0707		0.0779		0.0739		0.0612		0.0565			
B-D	mg/L				0.830		0.762		0.691		0.762		0.888		0.628		0.752		0.857		0.922		0.833		0.816			
Be-D	mg/L				<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010			
Cd-D	mg/L	0.00017			<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010		<0.000010			
Ca-D	mg/L				64.7		65.9		59.4		59.3		59.8		47.4		61.7		64.8		59.2		49.1		47.5			
Cr-D	mg/L				<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010			
Co-D	mg/L				0.00029		0.00026		0.00024		0.00025		0.00025		<0.00020		0.00023		0.00025		0.00031		0.00028		0.00026			
Cu-D	mg/L	≤ 0.0054			<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		0.00021		<0.00020		<0.00020		<0.00020			
Hard-D	mg/L				207		210		188		191		194		157		199		210		193		163		158			
Fe-D	mg/L	0.35			0.884		0.821		0.632		0.710		0.683		0.428		0.576		0.598		0.420		0.357		0.207			
Pb-D	mg/L				<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020		<0.00020			
Mg-D	mg/L				10.9		11.0		9.66		10.4		10.8		9.38		11.0		11.8		11.6		9.71		9.48			
Mn-D	mg/L				0.208		0.187		0.166		0.169		0.168		0.122		0.157		0.179		0.192		0.166		0.161			
Mo-D	mg/L				<0.0010		0.0032		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010			
Ni-D	mg/L				<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010			
K-D	mg/L				4.31		4.36		4.02		4.08		4.21		3.53		4.12		4.36		4.41		3.88		3.97			
S-D	mg/L				93.2		86.8		70.2		76.2		78.8		49.0		77.6		89.4		90.6		67.8		64.7			
Se-D	mg/L				<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010		<0.00010			
Si-D	mg/L				4.08		4.45		4.54		3.96		4.05		3.73		3.81		4.05		3.80		3.67		3.64			
Na-D	mg/L				183		179		151		154		165		119		161		182		193		167		165			
Sr-D	mg/L				0.943		0.973		0.911		0.853		0.855		0.667		0.872		0.915		0.853		0.716		0.691			
Zn-D	mg/L	0.033	0.033		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050		<0.0050			
As-load	mg/d				1.8		17.6		13.6		17.6		16		13.3		12.4		14		7.82		0.979		0.211			

Table 36 NNL Depth Profile 1 Page(s)

EMS ID: E217018 Site NAME: NO NAME LAKE (NNL)																														
NO NAME LAKE DEPTH PROFILING SPRING																														
Sample Date Parameter Sample Depth (m)	06-Apr						13-Apr						20-Apr						27-Apr						03-May					
	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV
1	5.50	6.57	29.90	114.50	14.25	197.00	5.70	5.88	39.00	94.30	11.74	87.40	6.50	6.46	29.40	86.00	10.47	206.00	7.20	6.29	25.60	88.50	10.65	205.90	9.10	6.39	26.10	88.60	10.21	198.40
	5.70	6.30	29.90	100.40	12.49	193.20	5.50	5.80	38.50	90.70	11.36	96.50	6.50	6.40	29.50	81.90	10.04	201.30	7.20	6.26	25.70	87.60	10.53	198.50	8.80	6.49	26.10	89.10	10.33	194.40
2	5.70	6.29	29.90	94.40	11.98	191.80	5.50	5.73	38.50	85.80	10.76	98.80	6.50	6.39	29.50	83.00	10.18	197.20	6.60	6.25	26.10	86.20	10.55	191.10	8.40	6.45	26.20	87.70	10.27	198.80
	5.70	6.28	29.80	91.50	11.50	190.50	5.40	5.71	38.50	84.30	10.65	97.50	6.30	6.38	29.90	80.00	9.79	195.10	6.40	6.18	26.40	83.00	10.21	187.70	8.20	6.35	26.50	87.10	10.32	199.50
4	5.60	6.30	29.80	90.50	11.24	189.60	5.40	5.70	38.60	82.70	10.42	97.20	6.20	6.36	30.00	79.80	9.89	192.60	6.00	6.14	26.90	80.70	10.06	180.80	7.30	6.30	26.70	85.30	10.25	200.40
	5.60	6.30	29.80	89.30	11.22	188.00	5.40	5.70	38.10	80.90	10.16	94.30	6.00	6.36	29.40	78.40	9.72	190.50	5.90	6.11	27.10	80.80	10.03	175.80	6.50	6.22	27.40	82.00	10.11	201.20
6	5.60	6.32	30.10	87.10	11.01	186.70	5.40	5.71	39.10	79.50	10.03	90.60	6.00	6.34	29.30	77.40	9.60	190.20	5.80	6.10	27.80	78.30	9.76	165.60	6.10	6.13	27.60	82.40	10.80	202.50
	5.50	6.30	30.00	87.70	11.02	187.20	5.40	5.77	39.50	79.50	10.01	82.20	6.00	6.34	29.40	77.00	9.54	187.20	5.70	6.14	28.00	77.90	9.76	155.10	6.00	6.10	27.80	81.50	10.17	203.00
8	5.40	6.30	30.40	85.80	10.67	187.00	5.30	5.78	39.90	79.60	10.08	79.90	5.90	6.32	29.90	76.60	9.56	186.30	5.70	6.14	28.20	76.20	9.61	146.30	5.90	6.08	28.00	81.00	10.09	202.40
	5.40	6.32	29.70	86.60	10.98	187.10	5.30	5.81	39.80	78.70	9.97	73.70	5.70	6.32	30.70	74.50	9.34	185.50	5.60	6.16	28.70	75.90	9.85	139.10	5.80	6.11	28.20	78.00	9.76	198.00
10	5.40	6.33	29.40	85.10	10.78	186.70	5.30	5.82	39.70	76.50	9.68	65.80	5.60	6.28	30.80	74.20	9.30	184.70	5.60	6.17	28.90	75.80	9.47	132.30	5.80	6.10	28.30	80.20	9.74	197.70
	5.40	6.33	30.20	83.70	10.98	183.70	5.30	5.82	39.50	76.70	9.74	65.30	5.50	6.26	30.70	74.10	9.34	184.00	5.50	6.19	29.10	70.30	8.79	129.50	5.80	6.12	28.40	78.10	9.72	196.10
12	5.20	6.33	29.50	85.90	10.83	187.20	5.00	5.83	38.80	77.70	9.96	60.20	5.50	6.26	30.60	73.80	9.30	183.50	5.50	6.29	29.30	67.70	8.28	128.30	5.80	6.16	28.60	78.30	9.74	196.10
	5.2	6.34	28.6	83.7	10.53	185.7																								
14																														
1m from Bottom (1MB)	1MB = 14m						1MB = 13m						1MB = 13m						1MB = 13m						1MB = 13m					

Table 37 LLM Depth Profile 1 Page(s)

EMS ID: E206619																														
Site NAME: LONG LAKE (LLM)																														
LONG LAKE DEPTH PROFILING SPRING																														
Sample Date Parameter Sample Depth (m)	06-Apr						13-Apr						20-Apr						27-Apr						03-May					
	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV
1	6.60	7.08	137.40	97.00	7.08	182.10	5.80	7.06	109.00	97.10	11.95	155.70	7.00	6.87	90.30	85.20	10.31	212.30	7.70	6.88	79.50	88.20	10.59	117.40	9.70	7.03	82.20	94.30	10.68	152.70
2	6.50	7.08	137.80	97.20	7.08	183.30	5.70	6.95	111.90	91.40	11.37	156.10	7.00	6.90	92.20	84.00	10.15	211.20	7.60	6.88	82.50	87.30	10.23	106.80	9.40	7.06	88.20	92.50	10.57	151.10
3	6.50	7.08	138.30	97.30	7.07	183.00	5.60	6.88	112.40	88.80	11.11	156.60	7.00	6.94	94.10	80.50	9.82	208.20	7.50	6.88	87.80	85.50	10.31	107.70	9.10	7.04	95.50	91.60	10.52	135.40
4	6.50	7.07	139.70	91.30	7.07	182.70	5.90	6.82	155.80	83.90	10.84	154.40	6.20	6.98	192.70	76.30	9.41	209.00	7.30	6.89	155.10	82.70	9.78	107.90	8.40	7.04	139.20	87.90	10.32	118.80
5	6.00	7.04	207.00	86.10	10.92	184.70	4.90	6.82	328.90	69.10	8.81	150.70	5.90	6.95	246.30	70.00	8.69	208.70	6.00	6.91	210.30	77.80	9.56	95.10	6.40	6.98	154.90	83.60	10.27	103.00
6	4.70	6.92	320.20	72.40	9.30	188.80	4.60	6.80	343.70	64.40	8.32	146.20	5.20	6.87	301.30	61.80	7.87	208.40	5.70	6.83	257.50	68.40	8.66	96.80	5.50	6.87	268.90	76.30	9.53	98.80
7	4.60	6.90	323.60	70.20	9.12	190.40	4.50	6.80	348.10	62.60	8.14	142.10	4.70	6.85	316.80	58.10	7.46	208.50	5.00	6.75	284.60	64.40	8.20	93.50	5.00	6.83	289.60	71.10	9.05	95.20
8	4.50	6.89	327.00	70.80	9.18	190.50	4.50	6.81	349.80	61.30	7.91	141.90	4.70	6.83	319.10	58.20	7.47	208.50	4.70	6.73	292.60	61.20	7.88	91.60	4.70	6.80	293.90	68.40	8.77	92.10
9	4.40	6.90	329.30	71.20	9.18	190.70	4.40	6.82	351.80	61.30	7.91	139.10	4.60	6.82	321.60	57.10	7.37	206.40	4.60	6.71	295.20	59.50	7.74	94.80	4.70	6.78	296.30	68.00	8.70	87.30
10	4.40	6.89	330.70	70.00	9.11	190.20	4.40	6.86	357.90	59.70	7.72	131.90	4.50	6.84	323.40	56.00	7.18	205.40	4.50	6.71	296.20	59.80	7.68	93.70	4.60	6.77	297.50	66.00	8.53	81.40
11	4.40	6.92	332.20	70.00	9.04	188.90	4.40	6.87	365.80	58.30	7.58	129.00	4.50	6.85	323.10	56.70	7.32	204.30	4.50	6.71	297.10	58.90	7.58	77.50	4.50	6.78	299.00	65.70	8.38	78.10
12	4.30	6.92	334.60	68.10	8.99	187.40	4.30	6.88	359.80	58.30	7.57	125.30	4.40	6.86	325.60	55.20	7.14	203.70	4.40	6.73	298.20	59.10	7.64	91.40	4.50	6.78	300.20	65.00	8.35	76.60
13	4.30	6.92	336.20	67.90	8.83	187.50	4.30	6.89	355.50	58.80	7.48	121.60	4.40	6.87	362.20	55.80	7.22	203.10	4.40	6.74	298.80	58.30	7.51	74.40	4.40	6.79	300.70	64.50	8.33	72.20
14	4.30	6.93	337.90	68.60	8.86	187.40	4.30	6.90	357.60	57.50	7.46	120.60	4.30	6.87	327.50	55.00	7.13	202.00	4.40	6.75	299.50	57.20	7.40	80.30	4.40	6.80	301.60	63.00	8.15	69.50
15	4.30	6.93	338.10	69.20	8.94	187.40	4.30	6.90	358.80	57.70	7.50	113.20	4.30	6.88	328.00	54.70	7.08	201.10	4.30	6.76	301.30	57.80	7.44	89.90	4.30	6.81	303.20	62.90	8.13	66.50
16	4.30	6.95	338.40	68.40	8.87	185.30	4.30	6.90	359.20	57.40	7.45	109.30	4.30	6.88	328.40	54.00	7.08	200.60	4.30	6.76	302.00	57.20	7.42	91.80	4.30	6.80	304.20	62.20	8.06	63.60
17	4.20	6.95	338.90	68.20	8.83	185.60	4.20	6.91	367.50	57.00	7.42	102.40	4.30	6.96	329.70	53.10	6.98	200.10	4.30	6.76	301.90	56.40	7.29	90.40	4.30	6.81	304.60	61.00	7.90	59.80
18	4.20	6.95	339.10	67.80	8.92	185.40	4.20	6.90	371.40	56.10	7.25	104.30	4.30	6.89	329.10	53.00	6.89	217.80	4.30	6.76	302.70	55.70	7.19	93.70	4.30	6.82	304.80	60.80	7.88	60.30
19	4.20	6.95	339.20	68.90	8.92	185.60	4.20	6.91	365.50	55.10	7.13	-113.60	4.30	6.89	329.50	53.00	6.89	199.00	4.30	6.76	303.10	56.70	7.26	93.60	4.30	6.83	305.10	60.50	7.89	59.40
20	4.20	6.96	339.50	67.70	8.72	184.20	4.20	6.92	368.10	56.10	7.32	-119.20	4.30	6.89	329.60	52.80	6.85	198.40	4.30	6.76	303.10	54.90	7.13	83.80	4.30	6.84	305.20	59.70	7.76	56.40
21	4.20	6.98	339.50	67.90	8.88	181.90	4.20	6.91	386.60	55.20	7.09	-123.00	4.30	6.89	330.60	51.80	6.73	196.60	4.30	6.76	303.20	55.90	7.25	89.20	4.30	6.84	305.20	59.60	7.75	55.40
22	4.20	6.97	339.60	69.30	8.97	182.30																								
1m from Bottom (1MB)	1MB = 22m						1MB = 21.5m						1MB = 21m						1MB = 21.5m						1MB = 21.5m					

Appendix 1 - Tables (April through June 2022)

Table 38 MQL Depth Profile 1 Page(s)

EMS ID E206618																														
Site NAME: MIDDLE QUINSAM LAKE (MQL)																														
MIDDLE QUINSAM LAKE DEPTH PROFILING SPRING																														
Sample Date Parameter Sample Depth (m)	13-Apr						20-Apr						28-Apr						04-May						10-May					
TEMP.	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	COND. µS/cm	% Sat.	D.O. mg/L	ORP mV	
1	6.90	7.36	148.80	83.00	10.08	163.20	7.70	7.64	139.70	90.80	10.76	190.6	9.00	7.54	128.70	101.40	11.58	142.50	10.10	7.30	130.30	89.50	10.05	213.50	10.90	7.54	134.50	98.70	10.73	98.70
2	6.80	7.39	148.20	83.30	10.08	162.70	7.70	7.65	140.40	86.50	10.31	190.7	8.80	7.56	128.90	93.40	10.78	127.30	10.00	7.29	130.40	89.70	10.08	213.20	10.60	7.33	134.00	94.40	10.40	105.60
3	6.70	7.38	148.20	82.20	10.02	163.10	7.70	7.63	140.40	85.00	10.18	190.7	8.60	7.54	129.00	90.40	10.59	118.10	10.00	7.32	130.50	86.60	9.82	209.80	10.50	7.30	134.90	90.00	10.01	105.90
4	6.60	7.39	147.20	82.10	10.05	162.60	7.70	7.64	140.40	84.20	9.95	191.1	8.50	7.54	128.80	88.60	10.24	102.70	10.00	7.34	130.60	86.10	9.51	208.60	10.40	7.26	135.70	90.70	10.21	108.30
5	6.60	7.39	146.10	81.70	9.84	162.50	7.70	7.63	140.50	82.50	9.84	190.7	8.40	7.51	128.20	87.20	10.27	87.40	10.00	7.36	131.60	86.40	9.65	207.50	9.70	7.25	135.00	88.30	10.03	105.30
6	6.50	7.39	148.10	81.00	9.70	162.50	7.60	7.63	140.70	81.50	9.65	190.7	8.00	7.51	129.70	85.70	10.18	77.30	9.10	7.34	130.90	86.50	9.94	209.50	9.60	7.22	134.50	86.30	9.81	103.30
7	6.50	7.39	149.60	80.10	9.76	162.80	7.50	7.63	141.20	80.40	9.62	190.2	7.80	7.47	130.50	84.70	9.97	62.20	8.80	7.30	131.50	84.20	9.83	209.70	9.20	7.21	133.80	88.70	10.10	105.00
8	6.50	7.37	151.60	79.40	9.73	162.50	7.20	7.56	141.90	79.40	9.61	192.2	7.50	7.44	131.20	84.30	9.84	74.80	8.40	7.27	131.90	84.70	9.83	210.20	8.90	7.19	133.70	85.20	9.84	103.40
9	6.50	7.36	154.30	79.40	9.74	162.10	7.10	7.53	142.80	76.60	9.31	192.6	7.50	7.40	132.10	83.00	9.95	75.70	8.10	7.25	132.40	86.00	9.98	210.70	8.20	7.16	134.90	84.20	9.89	78.40
10	6.50	7.36	155.10	80.50	9.80	161.60	6.90	7.48	143.80	77.60	9.46	192.8	7.30	7.38	133.70	80.70	9.82	77.30	7.60	7.20	134.60	81.60	9.71	210.60	7.70	7.07	138.50	84.10	9.99	32.70
11	6.50	7.36	155.10	79.80	9.82	160.10	6.90	7.47	143.90	77.40	9.38	192.4	7.20	7.34	135.90	78.40	9.44	78.10	7.40	7.14	137.40	81.20	9.71	211.20	7.50	7.06	140.40	77.00	9.23	28.80
12	6.10	7.20	180.00	74.50	9.19	161.50	6.80	7.45	144.80	77.10	9.44	192.2	7.10	7.30	136.70	77.70	9.47	80.20	7.30	7.09	139.00	79.40	9.50	211.90	7.50	7.05	141.10	78.90	9.34	27.20
13	5.80	7.05	220.00	65.10	8.14	164.40	6.60	7.39	152.20	74.50	9.12	192.7	6.90	7.28	140.10	75.70	9.16	82.10	7.30	7.06	139.40	77.60	9.31	212.40	7.40	7.04	142.00	79.10	9.47	22.30
14	5.40	6.62	512.40	14.10	1.77	170.40	5.80	6.66	463.90	12.10	1.52	204.1	6.90	7.24	144.30	75.70	9.11	78.80							7.40	7.04	143.00	78.10	9.36	23.50
1m from Bottom (1MB)	1MB = 14m						1MB = 13.5m						1MB = 13.5m						1MB = 13m						1MB = 13.5m					

Table 39 LQL Depth Profile 1 Page(s)

EMS ID E292118																														
Site NAME: LOWER QUINSAM LAKE (LQL)																														
Sample Date Parameter Sample Depth (m)	07-Apr						13-Apr						21-Apr						28-Apr						04-May					
	TEMP. °C	pH	C µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	C µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	C µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	C µS/cm	% Sat.	D.O. mg/L	ORP mV	TEMP. °C	pH	C µS/cm	% Sat.	D.O. mg/L	ORP mV
1	6.10	7.21	102.90	86.50	10.56	192.10	6.10	7.58	102.40	101.60	12.57	184.40	6.80	7.46	94.50	121.20	14.57	213.20	7.90	7.29	84.10	99.40	11.73	109.80	8.80	7.40	84.80	111.70	12.86	213.80
2	6.10	7.27	102.30	84.10	10.41	190.60	6.10	7.52	102.50	92.70	11.52	167.40	6.80	7.40	94.70	105.50	12.71	207.00	7.50	7.08	84.70	95.30	11.33	86.20	8.70	7.35	84.80	102.30	11.90	211.50
3	6.10	7.16	102.30	85.10	10.47	192.30	6.00	7.49	102.40	88.30	11.08	172.50	6.80	7.40	95.00	100.40	12.19	205.70	7.30	7.07	84.50	91.60	11.04	72.20	8.50	7.28	84.70	97.60	11.35	206.60
4	6.10	7.18	100.40	84.80	10.51	192.30	6.00	7.46	102.50	88.80	10.98	174.10	6.80	7.38	95.10	95.20	11.66	203.70	7.20	7.06	84.80	89.60	10.71	58.60	8.50	7.26	84.00	94.70	11.11	199.50
5	6.00	7.12	99.40	84.30	10.49	192.90	6.00	7.46	102.70	86.60	10.68	174.70	6.70	7.39	95.10	94.90	11.56	202.80	7.20	7.14	84.90	86.90	10.54	56.70	8.10	7.22	82.60	92.00	10.86	192.90
6	6.00	7.11	99.10	84.30	10.51	191.20	6.00	7.43	103.00	85.60	10.57	174.60	6.70	7.36	95.10	95.40	11.64	202.10	7.10	7.16	83.50	87.30	10.55	56.20	8.00	7.19	84.00	91.70	10.78	188.70
7	6.00	7.11	99.00	83.80	10.38	189.80	6.00	7.41	103.30	83.40	10.32	174.60	6.70	7.36	95.00	95.00	11.46	203.30	6.90	7.12	85.60	86.50	10.50	48.80	7.90	7.17	83.30	90.80	10.82	184.10
8	5.90	7.13	99.20	83.90	10.47	190.10	6.00	7.42	103.80	81.70	10.13	174.60	6.70	7.39	95.20	90.70	11.04	201.00	6.90	7.14	85.80	86.70	10.45	54.40	7.80	7.15	83.90	90.20	10.77	177.80
9	5.90	7.14	99.70	85.40	10.64	192.40	5.90	7.39	104.10	82.20	10.14	176.00	6.70	7.35	95.20	92.50	11.23	202.90	6.80	7.13	86.10	84.60	10.27	51.40	7.80	7.12	85.10	89.00	10.61	173.10
10	5.90	7.15	99.90	83.30	10.44	195.60	5.90	7.40	104.10	80.50	10.10	175.70	6.70	7.35	95.40	91.40	11.08	202.70	6.70	7.12	86.20	83.60	10.14	56.30	7.70	7.12	85.20	88.70	10.62	160.70
11	5.90	7.16	98.60	83.10	10.37	197.50	5.90	7.40	104.20	81.00	10.07	175.50	6.70	7.35	95.20	88.70	10.81	201.80	6.70	7.13	86.40	82.50	9.97	-1.60	7.50	7.13	85.30	87.20	10.47	154.60
12	5.90	7.14	98.40	83.70	10.47	198.10	5.90	7.41	104.30	79.00	9.92	175.00	6.70	7.34	95.30	90.70	11.01	202.60	6.70	7.16	86.70	81.20	10.20	-12.90	7.50	7.11	85.30	87.30	10.47	152.50
13	5.90	7.10	98.40	83.10	10.39	199.80	5.90	7.40	104.30	80.20	9.98	175.50	6.70	7.39	95.30	87.40	10.63	201.40	6.70	7.16	87.00	83.20	9.98	14.60	7.50	7.11	85.30	86.60	10.37	149.20
14	5.90	7.03	99.60	83.10	10.36	208.20	5.90	7.40	104.30	82.40	10.20	176.10	6.70	7.36	95.40	86.60	10.57	201.10	6.60	7.17	87.20	79.70	9.76	16.00	7.30	7.11	86.70	86.30	10.35	144.30
15	5.70	6.95	98.50	86.60	10.84	122.40	5.90	7.40	104.10	78.70	9.83	175.30	6.60	7.36	95.40	86.00	10.48	200.80	6.60	7.17	87.90	80.70	9.90	38.10	7.30	7.09	86.70	85.40	10.30	141.40
16	5.70	6.77	98.40	87.70	10.97	213.50	5.90	7.40	104.10	80.50	10.05	174.60	6.60	7.35	95.30	83.80	10.30	201.10	6.60	7.16	87.10	80.60	9.86	43.80	7.20	7.08	86.80	82.50	10.30	138.10
17	5.70	7.02	98.50	85.20	10.47	221.30	5.70	7.37	104.60	79.50	9.86	175.70	6.50	7.35	95.30	84.60	10.41	201.40	6.60	7.13	87.70	81.70	9.97	45.30	7.10	7.03	86.90	82.80	10.01	134.40
18							5.70	7.35	105.10	81.00	10.13	176.40	6.40	7.36	95.40	80.30	9.83	197.60	6.60	7.15	87.30	80.20	9.87	43.20	7.00	7.01	86.90	80.70	9.81	132.80
1m from Bottom (1MB)	1MB = 17m						1MB = 18m						1MB = 18m						1MB = 18m						1MB = 18m					

Appendix 1 - Tables (April through June 2022)

Spring 2022

Spring 2022											
Table 40 Spring Lakes 17 Page(s)											
EMS ID	E217018									Water Quality Guidelines	
StnName	No Name Lake 1M										
StnCode	NNL1										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	2.8	3.7	3.1	2.8	2.2	5	3.7	2.9	128	
Turb	NTU	0.51	0.57	0.35	0.32	0.33	5	0.57	0.42		
Alk-T	mg/L	11	9.9	11	10	11	5	11	10.6		
Al-T	mg/L	0.0470	0.0440	0.0395	0.0379	0.0365	5	0.0470	0.041		
As-T	mg/L	0.00025	0.00024	0.00023	0.00024	0.00024	5	0.00025	0.00024		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0012	0.0011	0.0010	<0.0010	0.0011	5	0.0012	0.00098	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	3.80	3.55	3.71	3.47	3.74	5	3.80	3.65		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	5	<0.00050	0.00025		
Fe-T	mg/L	0.083	0.072	0.064	0.049	0.054	5	0.083	0.064		1
Hard-T	mg/L	12.7	11.9	12.5	11.6	12.6	5	12.7	12.3		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	0.774	0.739	0.784	0.723	0.790	5	0.790	0.762		
Mn-T	mg/L	0.0127	0.0098	0.0078	0.0058	0.0053	5	0.0127	0.0083	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.060	0.061	0.058	<0.050	0.052	5	0.061	0.0512		
S-T	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	1.03	0.985	0.998	0.967	1.07	5	1.07	1.01		
Sr-T	mg/L	0.0123	0.0118	0.0115	0.0110	0.0111	5	0.0123	0.0115		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0370	0.0363	0.0340	0.0316	0.0302	5	0.0370	0.0338	0.05	0.1
As-D	mg/L	0.00022	0.00025	0.00023	0.00021	0.00024	5	0.00025	0.00023		
Ba-D	mg/L	0.0011	0.0012	0.0011	0.0011	0.0011	5	0.0012	0.0011		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	3.62	3.79	3.67	3.58	3.50	5	3.79	3.63		
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.5	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00053	0.00047	0.00042	0.00045	0.00042	5	0.00053	0.00046	0.0002	*
DOC	mg/L	2.6	2.4	2.1	2.6	2.4	5	2.6	2.4		
Hard-D	mg/L	12.1	12.7	12.2	11.9	11.7	5	12.7	12.1		
Fe-D	mg/L	0.0471	0.0432	0.0335	0.0296	0.0309	5	0.0471	0.0369		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	0.752	0.775	0.745	0.732	0.711	5	0.775	0.743		
Mn-D	mg/L	0.0105	0.0090	0.0071	0.0049	0.0046	5	0.0105	0.0072		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.056	0.061	0.056	0.052	0.056	5	0.061	0.056		
S-D	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	0.970	1.06	1.04	0.989	1.04	5	1.06	1.02		
Sr-D	mg/L	0.0114	0.0115	0.0124	0.0116	0.0112	5	0.0124	0.0116		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	0.028	0.022	<0.020	<0.020	<0.020	5	0.028	0.016		
Chlr-a	ug/L	<1.0				0.59	2	0.59	0.54		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E217018									Water Quality Guidelines	
StnName	No Name Lake 4M										
StnCode	NNL4										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	2.8	4.5	2.9	3.2	2.4	5	4.5	3.2	128	
Turb	NTU	0.62	0.62	0.30	0.49	0.35	5	0.62	0.48		
Alk-T	mg/L	10	10	10	10	10	5	10	10		
Al-T	mg/L	0.0468	0.0482	0.0408	0.0401	0.0361	5	0.0482	0.0424		
As-T	mg/L	0.00024	0.00028	0.00023	0.00021	0.00022	5	0.00028	0.00024		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0013	0.0012	0.0011	0.0011	0.0011	5	0.0013	0.0012	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	3.65	3.80	3.74	3.67	3.68	5	3.80	3.71		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	<0.00050	0.00055	<0.00050	5	0.00055	0.00031		
Fe-T	mg/L	0.082	0.074	0.065	0.053	0.053	5	0.082	0.065		1
Hard-T	mg/L	12.2	12.7	12.7	12.3	12.3	5	12.7	12.4		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	0.760	0.781	0.815	0.754	0.762	5	0.815	0.774		
Mn-T	mg/L	0.0124	0.0104	0.0083	0.0062	0.0055	5	0.0124	0.0086	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.056	0.063	0.061	0.053	0.053	5	0.063	0.057		
S-T	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	1.03	1.07	1.01	1.02	1.03	5	1.07	1.03		
Sr-T	mg/L	0.0123	0.0133	0.0119	0.0118	0.0112	5	0.0133	0.0121		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0378	0.0367	0.0337	0.0305	0.0305	5	0.0378	0.0338	0.05	0.1
As-D	mg/L	0.00025	0.00024	0.00023	0.00020	0.00025	5	0.00025	0.00023		
Ba-D	mg/L	0.0011	0.0011	0.0011	0.0010	0.0011	5	0.0011	0.0011		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	3.79	3.72	3.70	3.65	3.64	5	3.79	3.7		
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.5	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00039	0.00044	0.00043	0.00042	0.00040	5	0.00044	0.00042	0.0002	*
DOC	mg/L	2.7	2.5	2.5	2.6	2.6	5	2.7	2.6		
Hard-D	mg/L	12.8	12.5	12.3	12.2	12.1	5	12.8	12.4		
Fe-D	mg/L	0.0509	0.0441	0.0353	0.0295	0.0293	5	0.0509	0.0378		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	0.801	0.778	0.744	0.736	0.722	5	0.801	0.756		
Mn-D	mg/L	0.0111	0.0090	0.0073	0.0049	0.0044	5	0.0111	0.0073		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.058	0.058	0.057	0.052	0.054	5	0.058	0.056		
S-D	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	1.03	1.04	1.05	0.987	1.03	5	1.05	1.027		
Sr-D	mg/L	0.0119	0.0116	0.0127	0.0116	0.0116	5	0.0127	0.0119		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	0.032	0.044	<0.020	<0.020	<0.020	5	0.044	0.0212		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E217018									Water Quality Guidelines	
StnName	No Name Lake 9M										
StnCode	NNL9										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	2.8	3.8	2.7	3.7	3.3	5	3.8	3.3	128	
Turb	NTU	0.52	0.56	0.37	0.40	0.27	5	0.56	0.42		
Alk-T	mg/L	9.9	10	10	10	10	5	10	10		
Al-T	mg/L	0.0483	0.0473	0.0403	0.0416	0.0362	5	0.0483	0.0427		
As-T	mg/L	0.00026	0.00026	0.00024	0.00023	0.00022	5	0.00026	0.00024		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0013	0.0012	0.0011	0.0011	0.0011	5	0.0013	0.0012	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	3.82	3.71	3.59	3.85	3.74	5	3.85	3.74		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	5	<0.00050	0.00025		
Fe-T	mg/L	0.086	0.075	0.064	0.071	0.066	5	0.086	0.072		1
Hard-T	mg/L	12.8	12.4	12.2	12.8	12.5	5	12.8	12.5		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	0.794	0.755	0.774	0.782	0.763	5	0.794	0.774		
Mn-T	mg/L	0.0126	0.0105	0.0078	0.0083	0.0073	5	0.0126	0.0093	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.056	0.059	0.057	0.054	0.051	5	0.059	0.055		
S-T	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	1.06	1.04	0.995	1.03	1.03	5	1.06	1.031		
Sr-T	mg/L	0.0129	0.0124	0.0114	0.0128	0.0117	5	0.0129	0.0122		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0368	0.0370	0.0345	0.0339	0.0322	5	0.0370	0.0349	0.05	0.1
As-D	mg/L	0.00026	0.00026	0.00023	0.00021	0.00023	5	0.00026	0.00024		
Ba-D	mg/L	0.0011	0.0011	0.0011	0.0011	0.0011	5	0.0011	0.0011		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	3.74	3.80	3.69	3.73	3.72	5	3.80	3.74		
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.5	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00039	0.00045	0.00041	0.00042	0.00043	5	0.00045	0.00042	0.0002	*
DOC	mg/L	2.8	2.5	2.6	2.6	2.6	5	2.8	2.6		
Hard-D	mg/L	12.6	12.8	12.3	12.4	12.3	5	12.8	12.5		
Fe-D	mg/L	0.0507	0.0456	0.0344	0.0343	0.0323	5	0.0507	0.0395		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	0.788	0.797	0.739	0.755	0.735	5	0.797	0.763		
Mn-D	mg/L	0.0109	0.0094	0.0071	0.0066	0.0057	5	0.0109	0.0079		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	0.0033	<0.0030	<0.0030	<0.0030	5	0.0033	0.00186		
K-D	mg/L	0.058	0.076	0.057	<0.050	0.058	5	0.076	0.0548		
S-D	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	1.00	1.06	1.04	1.00	1.06	5	1.06	1.03		
Sr-D	mg/L	0.0119	0.0120	0.0125	0.0126	0.0120	5	0.0126	0.0122		
Zn-D	mg/L	<0.0050	0.0071	<0.0050	<0.0050	<0.0050	5	0.0071	0.00342		
N-NO23	mg/L	0.033	0.032	<0.020	<0.020	<0.020	5	0.033	0.019		

Notes: *Copper is a variable guideline. See Exceedance Table.

Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E217018									Water Quality Guidelines	
StnName	No Name Lake Bottom										
StnCode	NNLB										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	2.1	2.7	3.2	4.4	3.6	5	4.4	3.2	128	
Turb	NTU	0.60	0.39	0.31	0.42	0.33	5	0.60	0.41		
Alk-T	mg/L	10	11	11	10	10	5	11	10.4		
Al-T	mg/L	0.0561	0.0464	0.0423	0.0432	0.0399	5	0.0561	0.0456		
As-T	mg/L	0.00033	0.00029	0.00025	0.00025	0.00024	5	0.00033	0.00027		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0011	0.0011	0.0011	0.0012	0.0011	5	0.0012	0.0011	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	3.28	3.55	3.87	3.95	3.98	5	3.98	3.73		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	0.00051	<0.00050	<0.00050	<0.00050	<0.00050	5	0.00051	0.000302		
Fe-T	mg/L	0.083	0.073	0.078	0.083	0.084	5	0.084	0.08		1
Hard-T	mg/L	11.2	11.9	13.0	13.2	13.2	5	13.2	12.5		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	0.722	0.743	0.823	0.808	0.802	5	0.823	0.78		
Mn-T	mg/L	0.0079	0.0093	0.0091	0.0093	0.0082	5	0.0093	0.0088	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.056	0.057	0.061	0.054	0.059	5	0.061	0.057		
S-T	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	1.01	1.01	1.04	1.06	1.04	5	1.06	1.03		
Sr-T	mg/L	0.0107	0.0116	0.0124	0.0135	0.0129	5	0.0135	0.0122		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0404	0.0354	0.0369	0.0328	0.0326	5	0.0404	0.0356	0.05	0.1
As-D	mg/L	0.00030	0.00024	0.00023	0.00023	0.00023	5	0.00030	0.00025		
Ba-D	mg/L	<0.0010	0.0011	0.0012	0.0011	0.0011	5	0.0012	0.001		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	3.29	3.64	3.76	3.99	3.79	5	3.99	3.69		
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.5	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00038	0.00043	0.00042	0.00042	0.00041	5	0.00043	0.00041	0.0002	*
DOC	mg/L	2.9	2.3	2.2	2.5	2.7	5	2.9	2.5		
Hard-D	mg/L	11.2	12.2	12.6	13.2	12.6	5	13.2	12.4		
Fe-D	mg/L	0.0514	0.0453	0.0389	0.0399	0.0378	5	0.0514	0.0427		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	0.725	0.758	0.769	0.787	0.755	5	0.787	0.759		
Mn-D	mg/L	0.0064	0.0081	0.0079	0.0075	0.0065	5	0.0081	0.0073		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.052	0.059	0.056	0.051	0.056	5	0.059	0.055		
S-D	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.5		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	0.958	1.04	1.05	1.02	1.05	5	1.05	1.024		
Sr-D	mg/L	0.0097	0.0110	0.0131	0.0136	0.0130	5	0.0136	0.0121		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	0.026	0.022	<0.020	0.021	0.020	5	0.026	0.0198		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206619	Water Quality Guidelines									
StnName	Long Lake Middle 1 M										
StnCode	LLM1										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	42	26	26	23	24	5	42	28.2	128	
Turb	NTU	0.29	0.31	0.42	0.26	0.43	5	0.43	0.34		
Alk-T	mg/L	24	17	17	17	16	5	24	18.2		
Al-T	mg/L	0.0356	0.0378	0.0365	0.0348	0.0314	5	0.0378	0.0352		
As-T	mg/L	0.00030	0.00032	0.00032	0.00029	0.00028	5	0.00032	0.0003		0.005
B-T	mg/L	0.054	<0.050	<0.050	<0.050	<0.050	5	0.054	0.0308	1.2	
Ba-T	mg/L	0.0034	0.0029	0.0028	0.0027	0.0026	5	0.0034	0.0029	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	0.000012	5	0.000012	0.0000064		
Ca-T	mg/L	17.2	13.1	11.4	11.0	10.9	5	17.2	12.7		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	0.0012	<0.0010	5	0.0012	0.00064		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	5	<0.00050	0.00025		
Fe-T	mg/L	0.071	0.066	0.061	0.057	0.046	5	0.071	0.06		1
Hard-T	mg/L	51.6	39.4	34.9	34.3	33.4	5	51.6	38.7		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	2.08	1.63	1.55	1.64	1.50	5	2.08	1.68		
Mn-T	mg/L	0.0254	0.0150	0.0099	0.0073	0.0065	5	0.0254	0.0128	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.205	0.161	0.145	0.130	0.131	5	0.205	0.154		
S-T	mg/L	12.7	9.3	7.4	6.9	7.7	5	12.7	8.8		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	5.60	4.05	3.51	3.38	3.27	5	5.60	3.96		
Sr-T	mg/L	0.117	0.0811	0.0710	0.0674	0.0643	5	0.117	0.0802		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0264	0.0291	0.0301	0.0280	0.0256	5	0.0301	0.0278	0.05	0.1
As-D	mg/L	0.00028	0.00028	0.00026	0.00027	0.00028	5	0.00028	0.00027		
Ba-D	mg/L	0.0035	0.0029	0.0028	0.0026	0.0027	5	0.0035	0.0029		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	17.4	12.9	11.6	10.9	11.1	5	17.4	12.8		
Cl-D	mg/L	<1.0	1.1	<1.0	<1.0	<1.0	5	1.1	0.62	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00037	0.00046	0.00036	0.00039	0.00036	5	0.00046	0.00039	0.0004	*
DOC	mg/L	2.7	2.4	2.3	3.3	3.2	5	3.3	2.8		
Hard-D	mg/L	52.6	39.7	35.3	33.3	33.5	5	52.6	38.9		
Fe-D	mg/L	0.0407	0.0420	0.0371	0.0320	0.0315	5	0.0420	0.0367		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	2.19	1.79	1.54	1.50	1.44	5	2.19	1.69		
Mn-D	mg/L	0.0229	0.0133	0.0083	0.0059	0.0057	5	0.0229	0.0112		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.212	0.172	0.142	0.140	0.133	5	0.212	0.16		
S-D	mg/L	13.6	10.2	8.0	7.1	6.7	5	13.6	9.1		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	5.82	4.20	3.48	3.20	3.27	5	5.82	3.99		
Sr-D	mg/L	0.112	0.0807	0.0712	0.0659	0.0661	5	0.112	0.0792		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.01		
Chlr-a	ug/L	<1.0				0.80	2	0.80	0.65		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206619									Water Quality Guidelines	
StnName	Long Lake Middle 4 M										
StnCode	LLM4										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	43	38	44	46	49	5	49	44	128	
Turb	NTU	0.30	0.38	0.49	0.31	0.31	5	0.49	0.36		
Alk-T	mg/L	24	23	26	24	27	5	27	24.8		
Al-T	mg/L	0.0387	0.0391	0.0389	0.0341	0.0314	5	0.0391	0.0364		
As-T	mg/L	0.00030	0.00032	0.00032	0.00030	0.00027	5	0.00032	0.0003		0.005
B-T	mg/L	0.053	<0.050	0.050	<0.050	<0.050	5	0.053	0.0356	1.2	
Ba-T	mg/L	0.0036	0.0034	0.0039	0.0036	0.0039	5	0.0039	0.0037	1	
Cd-T	mg/L	<0.000010	<0.000010	0.000022	<0.000010	<0.000010	5	0.000022	0.0000084		
Ca-T	mg/L	18.1	16.1	20.1	18.0	20.0	5	20.1	18.5		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	0.00051	<0.00050	<0.00050	5	0.00051	0.000302		
Fe-T	mg/L	0.070	0.072	0.068	0.064	0.057	5	0.072	0.066		1
Hard-T	mg/L	54.2	48.3	60.9	54.4	60.2	5	60.9	55.6		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	2.19	1.97	2.57	2.28	2.46	5	2.57	2.29		
Mn-T	mg/L	0.0270	0.0178	0.0165	0.0105	0.0117	5	0.0270	0.0167	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.214	0.184	0.244	0.205	0.252	5	0.252	0.22		
S-T	mg/L	13.9	11.9	15.2	12.7	14.5	5	15.2	13.6		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	6.01	5.04	6.20	5.28	6.29	5	6.29	5.76		
Sr-T	mg/L	0.123	0.104	0.137	0.113	0.139	5	0.139	0.123		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0272	0.0287	0.0281	0.0271	0.0256	5	0.0287	0.0273	0.05	0.1
As-D	mg/L	0.00027	0.00029	0.00028	0.00026	0.00026	5	0.00029	0.00027		
Ba-D	mg/L	0.0036	0.0035	0.0038	0.0035	0.0039	5	0.0039	0.0037		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	17.8	16.3	18.3	16.9	20.0	5	20.0	17.9		
Cl-D	mg/L	<1.0	1.0	<1.0	<1.0	<1.0	5	<1.0	1.5	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00040	0.00048	0.00038	0.00040	0.00037	5	0.00048	0.00041	0.0004	*
DOC	mg/L	2.8	2.3	2.4	2.5	3.0	5	3.0	2.6		
Hard-D	mg/L	53.7	49.8	54.9	51.2	60.7	5	60.7	54.1		
Fe-D	mg/L	0.0416	0.0488	0.0393	0.0359	0.0345	5	0.0488	0.04		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	2.22	2.18	2.21	2.20	2.59	5	2.59	2.28		
Mn-D	mg/L	0.0239	0.0162	0.0131	0.0091	0.0099	5	0.0239	0.0144		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.217	0.213	0.217	0.206	0.234	5	0.234	0.217		
S-D	mg/L	13.8	12.7	13.6	13.3	16.7	5	16.7	14		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	6.12	5.33	5.65	5.18	6.25	5	6.25	5.71		
Sr-D	mg/L	0.120	0.111	0.125	0.112	0.137	5	0.137	0.121		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	0.022	<0.020	<0.020	<0.020	5	0.022	0.0124		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206619	Water Quality Guidelines									
StnName	Long Lake Middle 9 M										
StnCode	LLM9										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	110	78	110	120	110	5	120	105.6	128	
Turb	NTU	0.33	0.36	0.63	0.52	0.34	5	0.63	0.44		
Alk-T	mg/L	45	34	48	45	48	5	48	44		
Al-T	mg/L	0.0300	0.0349	0.0304	0.0279	0.0268	5	0.0349	0.03		
As-T	mg/L	0.00029	0.00029	0.00029	0.00029	0.00027	5	0.00029	0.00029		0.005
B-T	mg/L	0.110	0.070	0.108	0.103	0.088	5	0.110	0.096	1.2	
Ba-T	mg/L	0.0072	0.0050	0.0066	0.0066	0.0063	5	0.0072	0.0063	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	42.9	29.2	42.5	42.6	40.5	5	42.9	39.5		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	0.00055	<0.00050	0.00060	5	0.00060	0.00038		
Fe-T	mg/L	0.074	0.069	0.074	0.074	0.062	5	0.074	0.071		1
Hard-T	mg/L	126	86.7	125	126	119	5	126	116.5		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	4.55	3.37	4.67	4.71	4.46	5	4.71	4.35		
Mn-T	mg/L	0.0914	0.0507	0.0845	0.0875	0.0768	5	0.0914	0.0782	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.487	0.333	0.485	0.497	0.497	5	0.497	0.46		
S-T	mg/L	35.8	25.5	38.2	38.0	34.7	5	38.2	34.4		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	16.0	10.2	15.5	15.7	15.0	5	16.0	14.5		
Sr-T	mg/L	0.357	0.217	0.347	0.342	0.312	5	0.357	0.315		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0214	0.0236	0.0210	0.0202	0.0193	5	0.0236	0.0211	0.05	0.1
As-D	mg/L	0.00025	0.00026	0.00024	0.00022	0.00023	5	0.00026	0.00024		
Ba-D	mg/L	0.0064	0.0051	0.0066	0.0064	0.0063	5	0.0066	0.0062		
B-D	mg/L	0.109	0.075	0.093	0.101	0.098	5	0.109	0.095		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	43.6	31.1	42.5	42.2	40.8	5	43.6	40		
Cl-D	mg/L	<1.0	<1.0	1.3	<1.0	<1.0	5	1.3	0.66	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00042	0.00197	0.00038	0.00041	0.00040	5	0.00197	0.00072	0.0004	*
DOC	mg/L	2.3	2.2	2.5	3.0	3.2	5	3.2	2.6		
Hard-D	mg/L	128	92.2	124	124	121	5	128	117.8		
Fe-D	mg/L	0.0349	0.0373	0.0329	0.0306	0.0287	5	0.0373	0.0329		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	4.57	3.54	4.30	4.54	4.50	5	4.57	4.29		
Mn-D	mg/L	0.0783	0.0505	0.0715	0.0728	0.0650	5	0.0783	0.0676		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	0.0051	<0.0030	<0.0030	<0.0030	5	0.0051	0.00222		
K-D	mg/L	0.486	0.392	0.471	0.496	0.454	5	0.496	0.46		
S-D	mg/L	37.0	28.2	33.6	39.3	36.0	5	39.3	34.8		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	16.0	11.3	15.2	15.2	15.2	5	16.0	14.6		
Sr-D	mg/L	0.344	0.236	0.346	0.346	0.330	5	0.346	0.32		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO3	mg/L	0.035	0.033	0.043	0.045	0.045	5	0.045	0.04		
Chlr-a	ug/L										

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206619									Water Quality Guidelines	
StnName	Long Lake Middle 1M From B										
StnCode	LLMB										
		6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	120	120	97	110	120	5	120	113.4	128	
Turb	NTU	0.36	0.36	0.40	0.30	0.37	5	0.40	0.36		
Alk-T	mg/L	46	47	42	44	50	5	50	45.8		
Al-T	mg/L	0.0298	0.0299	0.0310	0.0280	0.0263	5	0.0310	0.029		
As-T	mg/L	0.00028	0.00030	0.00030	0.00028	0.00026	5	0.00030	0.00028		0.005
B-T	mg/L	0.114	0.106	0.096	0.097	0.094	5	0.114	0.101	1.2	
Ba-T	mg/L	0.0068	0.0073	0.0059	0.0064	0.0069	5	0.0073	0.0067	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	44.1	45.2	37.9	39.9	42.3	5	45.2	41.9		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	0.00064	<0.00050	<0.00050	<0.00050	<0.00050	5	0.00064	0.000328		
Fe-T	mg/L	0.073	0.075	0.072	0.066	0.071	5	0.075	0.071		1
Hard-T	mg/L	130	132	112	118	125	5	132	123.4		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	4.72	4.73	4.16	4.37	4.68	5	4.73	4.53		
Mn-T	mg/L	0.0951	0.112	0.0653	0.0802	0.0939	5	0.112	0.0893	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.497	0.504	0.422	0.461	0.522	5	0.522	0.481		
S-T	mg/L	38.1	40.8	32.5	33.9	36.1	5	40.8	36.3		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	15.9	16.5	13.5	14.7	16.2	5	16.5	15.4		
Sr-T	mg/L	0.369	0.372	0.304	0.321	0.326	5	0.372	0.338		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0208	0.0200	0.0225	0.0203	0.0178	5	0.0225	0.0203	0.05	0.1
As-D	mg/L	0.00025	0.00024	0.00025	0.00021	0.00023	5	0.00025	0.00024		
Ba-D	mg/L	0.0066	0.0067	0.0060	0.0063	0.0067	5	0.0067	0.0065		
B-D	mg/L	0.112	0.102	0.083	0.097	0.107	5	0.112	0.1		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	44.9	40.9	36.8	39.2	43.8	5	44.9	41.1		
Cl-D	mg/L	<1.0	1.3	1.1	<1.0	<1.0	5	1.3	0.78	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00046	0.00041	0.00045	0.00037	0.00041	5	0.00046	0.00042	0.0003	*
DOC	mg/L	2.4	2.2	2.4	2.3	2.4	5	2.4	2.3		
Hard-D	mg/L	132	121	108	115	129	5	132	121		
Fe-D	mg/L	0.0342	0.0293	0.0338	0.0278	0.0276	5	0.0342	0.0305		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	4.74	4.61	3.87	4.27	4.67	5	4.74	4.43		
Mn-D	mg/L	0.0824	0.0932	0.0560	0.0693	0.0787	5	0.0932	0.0759		
Mo-D	mg/L	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	5	0.0011	0.00062		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.501	0.516	0.426	0.451	0.479	5	0.516	0.475		
S-D	mg/L	40.4	38.7	32.1	35.4	37.2	5	40.4	36.8		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	16.6	15.9	13.1	14.1	16.2	5	16.6	15.2		
Sr-D	mg/L	0.354	0.331	0.302	0.317	0.344	5	0.354	0.33		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	0.040	0.045	0.039	0.041	0.048	5	0.048	0.043		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206618	Water Quality Guidelines									
StnName	Middle Quinsam Lake 1M										
StnCode	MQL1										
		13-Apr-22	20-Apr-22	27-Apr-22	4-May-22	10-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	35	30	31	33	34	5	35	32.6	128	
Turb	NTU	0.18	0.61	0.34	0.16	0.33	5	0.61	0.32		
Alk-T	mg/L	36	41	39	39	42	5	42	39.4		
Al-T	mg/L	0.0196	0.0185	0.0197	0.0171	0.0168	5	0.0197	0.0183		
As-T	mg/L	0.00013	0.00010	0.00012	0.00013	0.00012	5	0.00013	0.00012		0.005
B-T	mg/L	<0.050	0.050	0.054	0.051	0.054	5	0.054	0.0468	1.2	
Ba-T	mg/L	0.0018	0.0019	0.0018	0.0018	0.0019	5	0.0019	0.0018	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	11.3	11.7	12.1	11.7	12.3	5	12.3	11.8		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	0.00051	<0.00050	0.00053	0.00080	5	0.00080	0.000468		
Fe-T	mg/L	0.028	0.032	0.029	0.035	0.029	5	0.035	0.031		1
Hard-T	mg/L	34.1	35.5	36.9	35.6	37.1	5	37.1	35.8		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	1.42	1.53	1.61	1.55	1.57	5	1.61	1.54		
Mn-T	mg/L	0.0061	0.0053	0.0045	0.0043	0.0046	5	0.0061	0.005	0.737	0.8706
P-T	mg/L	0.0084	<0.0030	<0.0030	<0.0030	<0.0030	5	0.0084	0.00288		
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.219	0.234	0.242	0.243	0.261	5	0.261	0.24		
S-T	mg/L	9.1	9.2	11.1	9.7	11.0	5	11.1	10.00		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	14.1	14.7	15.9	15.6	16.3	5	16.3	15.30		
Sr-T	mg/L	0.0631	0.0655	0.0655	0.0629	0.0692	5	0.0692	0.06520		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0160	0.0146	0.0154	0.0141	0.0148	5	0.0160	0.015	0.05	0.1
As-D	mg/L	0.00011	0.00011	<0.00010	0.00010	0.00012	5	0.00012	0.000098		
Ba-D	mg/L	0.0018	0.0020	0.0018	0.0018	0.0018	5	0.0020	0.0018		
B-D	mg/L	<0.050	<0.050	0.053	0.051	0.055	5	0.055	0.0418		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	11.6	11.7	11.9	11.9	12.0	5	12.0	11.8		
Cl-D	mg/L	<1.0	1.5	<1.0	<1.0	<1.0	5	1.5	0.70	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00049	0.00043	0.00057	0.00049	0.00055	5	0.00057	0.00051	0.0005	*
DOC	mg/L	1.4	1.6	2.5	1.9	1.9	5	2.5	1.90		
Hard-D	mg/L	35.4	35.5	35.9	35.6	36.3	5	36.3	35.7		
Fe-D	mg/L	0.0190	0.0170	0.0177	0.0180	0.0208	5	0.0208	0.0185		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	1.55	1.51	1.52	1.41	1.55	5	1.55	1.510		
Mn-D	mg/L	0.0040	0.0038	0.0032	0.0031	0.0032	5	0.0040	0.00350		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.00150		
K-D	mg/L	0.238	0.236	0.236	0.230	0.244	5	0.244	0.237		
S-D	mg/L	9.9	9.9	10.2	10.5	10.1	5	10.5	10.1		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	14.3	15.1	15.4	15.5	15.5	5	15.5	15.2		
Sr-D	mg/L	0.0626	0.0685	0.0663	0.0673	0.0653	5	0.0685	0.0660		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.010		
Chlr-a*	ug/L	<1.0			<0.54		1	<0.54	0.270		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5 * Chlr-a collected April 6.

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206618									Water Quality Guidelines	
StnName	Middle Quinsam Lake 4M										
StnCode	MQL4										
		13-Apr-22	20-Apr-22	27-Apr-22	4-May-22	10-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	33	32	33	34	34	5	34	33.2	128	
Turb	NTU	0.25	0.45	0.23	0.18	0.20	5	0.45	0.26		
Alk-T	mg/L	36	39	38	38	40	5	40	38.2		
Al-T	mg/L	0.0200	0.0173	0.0199	0.0171	0.0179	5	0.0200	0.0184		
As-T	mg/L	0.00013	0.00011	0.00011	0.00012	0.00013	5	0.00013	0.00012		0.005
B-T	mg/L	<0.050	<0.050	0.055	0.051	0.058	5	0.058	0.0428	1.2	
Ba-T	mg/L	0.0018	0.0018	0.0019	0.0018	0.0019	5	0.0019	0.0018	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	11.1	11.6	12.1	11.3	12.3	5	12.3	11.7		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11
Cu-T	mg/L	<0.00050	0.00053	0.00061	<0.00050	0.00058	5	0.00061	0.000444		
Fe-T	mg/L	0.028	0.032	0.029	0.029	0.032	5	0.032	0.0		1
Hard-T	mg/L	33.5	35.2	37.0	34.6	37.4	5	37.4	35.5		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.00010	0.0039978	0.01763
Mg-T	mg/L	1.42	1.51	1.62	1.54	1.63	5	1.63	1.54		
Mn-T	mg/L	0.0058	0.0052	0.0046	0.0042	0.0048	5	0.0058	0.0049	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.222	0.234	0.249	0.247	0.260	5	0.260	0.242		
S-T	mg/L	9.6	9.3	10.3	9.9	11.1	5	11.1	10.00		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	14.1	14.5	16.0	15.4	16.8	5	16.8	15.4		
Sr-T	mg/L	0.0625	0.0646	0.0668	0.0618	0.0723	5	0.0723	0.06560		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0164	0.0159	0.0156	0.0141	0.0150	5	0.0164	0.0154	0.05	0.1
As-D	mg/L	0.00012	0.00013	<0.00010	0.00011	0.00010	5	0.00013	0.000102		
Ba-D	mg/L	0.0018	0.0019	0.0018	0.0018	0.0018	5	0.0019	0.0018		
B-D	mg/L	<0.050	<0.050	0.054	0.052	0.055	5	0.055	0.042		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	11.4	11.9	11.7	11.8	12.2	5	12.2	11.800		
Cl-D	mg/L	<1.0	1.4	<1.0	<1.0	<1.0	5	1.4	0.680	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00048	0.00046	0.00051	0.00052	0.00053	5	0.00053	0.0005	0.0005	*
DOC	mg/L	1.6	1.6	2.4	1.8	1.9	5	2.4	1.90		
Hard-D	mg/L	34.7	36.1	35.4	35.4	36.9	5	36.9	35.7		
Fe-D	mg/L	0.0188	0.0189	0.0181	0.0186	0.0244	5	0.0244	0.0198		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	1.52	1.53	1.50	1.42	1.56	5	1.56	1.51		
Mn-D	mg/L	0.0034	0.0038	0.0031	0.0031	0.0032	5	0.0038	0.00330		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	0.0050	5	0.0050	0.0022		
K-D	mg/L	0.236	0.243	0.234	0.233	0.240	5	0.243	0.237		
S-D	mg/L	9.7	9.4	11.0	10.3	11.4	5	11.4	10.4		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	14.5	15.3	15.2	15.5	15.8	5	15.8	15.30		
Sr-D	mg/L	0.0614	0.0680	0.0657	0.0681	0.0658	5	0.0681	0.0658		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.01000		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206618									Water Quality Guidelines	
StnName	Middle Quinsam Lake 9M										
StnCode	MQL9										
		13-Apr-22	20-Apr-22	27-Apr-22	4-May-22	10-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	29	35	32	35	32	5	35	32.6	128	
Turb	NTU	0.36	0.23	0.30	0.27	0.29	5	0.36	0.29		
Alk-T	mg/L	37	40	38	38	39	5	40	38.4		
Al-T	mg/L	0.0182	0.0179	0.0186	0.0181	0.0172	5	0.0186	0.018		
As-T	mg/L	0.00012	0.00010	0.00012	0.00014	0.00013	5	0.00014	0.00012		0.005
B-T	mg/L	0.052	0.050	0.054	0.054	0.058	5	0.058	0.054	1.2	
Ba-T	mg/L	0.0020	0.0017	0.0018	0.0019	0.0020	5	0.0020	0.0019	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	11.8	11.8	12.1	12.3	12.5	5	12.5	12.1		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.00010	0.004	0.11
Cu-T	mg/L	<0.00050	0.00051	0.00050	0.00054	0.00058	5	0.00058	0.000476		
Fe-T	mg/L	0.028	0.033	0.031	0.033	0.026	5	0.033	0.03		1
Hard-T	mg/L	35.9	36.2	37.0	37.7	37.9	5	37.9	36.9		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.00010	0.0039978	0.01763
Mg-T	mg/L	1.54	1.60	1.61	1.68	1.64	5	1.68	1.61		
Mn-T	mg/L	0.0089	0.0072	0.0053	0.0068	0.0060	5	0.0089	0.0068	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	0.0040	<0.0030	0.0033	5	0.0040	0.00236	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.001	0.025	
K-T	mg/L	0.225	0.236	0.230	0.247	0.250	5	0.250	0.238		
S-T	mg/L	10.3	9.6	10.6	10.9	12.1	5	12.1	10.70		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	14.7	14.8	15.5	15.8	16.2	5	16.2	15.4		
Sr-T	mg/L	0.0656	0.0668	0.0656	0.0675	0.0710	5	0.0710	0.06730		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0154	0.0144	0.0152	0.0141	0.0133	5	0.0154	0.0145	0.05	0.1
As-D	mg/L	0.00012	0.00011	0.00011	0.00010	<0.00010	5	0.00012	0.000098		
Ba-D	mg/L	0.0019	0.0020	0.0019	0.0019	0.0019	5	0.0020	0.0019		
B-D	mg/L	0.052	<0.050	0.054	0.052	0.053	5	0.054	0.047		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	12.2	12.0	12.0	12.4	12.2	5	12.4	12.2		
Cl-D	mg/L	1.5	1.7	<1.0	<1.0	<1.0	5	1.7	0.940	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00051	0.00047	0.00047	0.00047	0.00046	5	0.00051	0.00048	0.0004	*
DOC	mg/L	1.4	1.6	2.0	1.9	1.7	5	2.0	1.70		
Hard-D	mg/L	37.4	36.5	36.2	37.8	36.9	5	37.8	37		
Fe-D	mg/L	0.0192	0.0182	0.0180	0.0171	0.0150	5	0.0192	0.0175		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	1.67	1.56	1.51	1.64	1.58	5	1.67	1.590		
Mn-D	mg/L	0.0064	0.0052	0.0039	0.0035	0.0024	5	0.0064	0.00430		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.001		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.00150		
K-D	mg/L	0.244	0.231	0.235	0.232	0.225	5	0.244	0.233		
S-D	mg/L	10.2	11.2	11.0	10.1	10.1	5	11.2	10.5		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	15.0	15.1	14.8	15.5	15.3	5	15.5	15.10		
Sr-D	mg/L	0.0654	0.0686	0.0670	0.0687	0.0654	5	0.0687	0.0670		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.010		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E206618									Water Quality Guidelines	
StnName	Middle Quinsam Lake 1MB										
StnCode	MLB										
		13-Apr-22	20-Apr-22	27-Apr-22	4-May-22	10-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	100	46	32	36	34	5	100	49.6	128	
Turb	NTU	0.80	0.46	0.22	0.27	0.21	5	0.80	0.39		
Alk-T	mg/L	42	40	38	38	39	5	42	39.4		
Al-T	mg/L	0.0135	0.0164	0.0181	0.0199	0.0176	5	0.0199	0.0171		
As-T	mg/L	0.00011	0.00011	0.00012	0.00013	0.00012	5	0.00013	0.00012		0.005
B-T	mg/L	0.053	0.052	0.054	0.050	0.055	5	0.055	0.053	1.2	
Ba-T	mg/L	0.0069	0.0034	0.0020	0.0023	0.0020	5	0.0069	0.0033	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	31.4	18.0	12.2	13.0	12.5	5	31.4	17.4		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.00010	0.004	0.11
Cu-T	mg/L	<0.00050	0.00051	<0.00050	<0.00050	0.00111	5	0.00111	0.000474		
Fe-T	mg/L	0.149	0.065	0.030	0.044	0.029	5	0.149	0.063		1
Hard-T	mg/L	100	56.4	37.4	40.3	37.8	5	100	54.4		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.00010	0.0039978	0.01763
Mg-T	mg/L	5.27	2.77	1.69	1.87	1.61	5	5.27	2.64		
Mn-T	mg/L	0.292	0.0923	0.0103	0.0179	0.0074	5	0.292	0.084	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.274	0.253	0.227	0.241	0.244	5	0.274	0.2		
S-T	mg/L	31.7	16.3	10.7	11.3	11.4	5	31.7	16.30		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	20.2	16.8	15.5	15.7	15.6	5	20.2	16.8		
Sr-T	mg/L	0.134	0.0895	0.0660	0.0684	0.0681	5	0.134	0.08520		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0085	0.0132	0.0145	0.0120	0.0130	5	0.0145	0.01220	0.05	0.1
As-D	mg/L	<0.00010	0.00011	0.00011	0.00011	0.00010	5	0.00011	0.000096		
Ba-D	mg/L	0.0067	0.0028	0.0018	0.0023	0.0020	5	0.0067	0.0031		
B-D	mg/L	0.052	0.050	0.054	0.053	0.054	5	0.054	0.053		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	30.4	15.6	12.0	13.6	12.2	5	30.4	16.80		
Cl-D	mg/L	3.8	2.0	<1.0	1.2	<1.0	5	3.8	1.60	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00039	0.00044	0.00048	0.00044	0.00048	5	0.00048	0.00045	0.0002	*
DOC	mg/L	1.5	1.5	1.3	2.1	1.9	5	2.1	1.700		
Hard-D	mg/L	97.5	47.9	36.1	41.9	37.1	5	97.5	52.1		
Fe-D	mg/L	0.0226	0.0178	0.0176	0.0141	0.0168	5	0.0226	0.0178		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	5.21	2.18	1.51	1.89	1.63	5	5.21	2.48000		
Mn-D	mg/L	0.293	0.0503	0.0042	0.0122	0.0039	5	0.293	0.07270		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.285	0.241	0.238	0.226	0.233	5	0.285	0.245		
S-D	mg/L	33.4	13.4	9.7	12.4	10.3	5	33.4	15.8		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	20.0	16.2	15.2	15.7	15.5	5	20.0	16.50		
Sr-D	mg/L	0.133	0.0807	0.0669	0.0731	0.0660	5	0.133	0.0839		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	0.034	<0.020	<0.020	<0.020	5	0.034	0.01480		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID		LLE Zone of Dilution 2								Water Quality Guidelines	
StnName	LLEZ2									Chronic	Acute
StnCode	6-Apr-22	13-Apr-22	20-Apr-22	27-Apr-22	3-May-22	Count	Max	5 in 30 Av			
SO4-D	mg/L	44	38	32	25	40	5	44	35.8	128	
Turb	NTU	0.49	0.36	0.63	0.40	0.65	5	0.65	0.51		
Alk-T	mg/L	24	21	21	17	23	5	24	21.2		
Al-T	mg/L	0.0396	0.0398	0.0362	0.0358	0.0406	5	0.0406	0.0384		
As-T	mg/L	0.00033	0.00034	0.00031	0.00032	0.00033	5	0.00034	0.00033		0.005
B-T	mg/L	0.051	<0.050	<0.050	<0.050	<0.050	5	0.051	0.0302	1.2	
Ba-T	mg/L	0.0043	0.0035	0.0031	0.0029	0.0046	5	0.0046	0.0037	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	19.6	15.4	13.3	11.8	17.0	5	19.6	15.4		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	5	<0.00050	0.00025		
Fe-T	mg/L	0.093	0.083	0.063	0.055	0.101	5	0.101	0.079		1
Hard-T	mg/L	59.1	46.5	40.6	36.4	52.6	5	59.1	47		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	2.47	1.97	1.75	1.68	2.47	5	2.47	2.07		
Mn-T	mg/L	0.0230	0.0161	0.0110	0.0073	0.0097	5	0.0230	0.0134	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.222	0.189	0.161	0.146	0.209	5	0.222	0.185		
S-T	mg/L	13.2	11.1	10.0	7.3	12.3	5	13.2	10.8		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	5.70	4.53	4.02	3.51	4.34	5	5.70	4.42		
Sr-T	mg/L	0.128	0.0957	0.0839	0.0700	0.105	5	0.128	0.0965		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0307	0.0301	0.0287	0.0294	0.0291	5	0.0307	0.0296	0.05	0.1
As-D	mg/L	0.00030	0.00030	0.00027	0.00026	0.00035	5	0.00035	0.0003		
Ba-D	mg/L	0.0044	0.0035	0.0032	0.0027	0.0048	5	0.0048	0.0037		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	20.2	15.4	13.0	11.3	17.9	5	20.2	15.6		
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.5	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00039	0.00041	0.00037	0.00040	0.00040	5	0.00041	0.00039	0.0004	*
DOC	mg/L	3.0	2.4	2.6	2.3	2.6	5	3.0	2.6		
Hard-D	mg/L	60.8	47.1	39.5	34.6	55.0	5	60.8	47.4		
Fe-D	mg/L	0.0711	0.0536	0.0375	0.0328	0.0669	5	0.0711	0.0524		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	2.52	2.09	1.69	1.54	2.49	5	2.52	2.07		
Mn-D	mg/L	0.0201	0.0146	0.0093	0.0061	0.0088	5	0.0201	0.0118		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.237	0.198	0.164	0.136	0.207	5	0.237	0.188		
S-D	mg/L	15.2	11.2	9.1	7.6	13.6	5	15.2	11.3		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	5.92	4.63	3.89	3.27	4.47	5	5.92	4.44		
Sr-D	mg/L	0.131	0.101	0.0833	0.0689	0.106	5	0.131	0.098		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0138	5	0.0138	0.00476		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.01		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E292118	Water Quality Guidelines									
StnName	Lower Quinsam Lake 1M										
StnCode	LQL1										
		7-Apr-22	13-Apr-22	21-Apr-22	27-Apr-22	4-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	18	18	20	17	17	5	20	18	128	
Turb	NTU	0.52	0.28	<0.10	0.41	0.40	5	0.52	0.33		
Alk-T	mg/L	31	30	28	30	31	5	31	30		
Al-T	mg/L	0.0323	0.0385	0.0381	0.0358	0.0341	5	0.0385	0.0358		
As-T	mg/L	0.00063	0.00065	0.00068	0.00060	0.00064	5	0.00068	0.00064		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0032	0.0033	0.0033	0.0030	0.0033	5	0.0033	0.0032	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	9.91	10.0	10.0	9.18	9.89	5	10.0	9.8		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	0.00059	0.00052	0.00056	0.00056	0.00055	5	0.00059	0.00056		
Fe-T	mg/L	0.080	0.079	0.082	0.076	0.078	5	0.082	0.079		1
Hard-T	mg/L	30.0	30.0	30.7	27.9	30.1	5	30.7	29.7		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	1.28	1.21	1.37	1.21	1.31	5	1.37	1.28		
Mn-T	mg/L	0.0044	0.0047	0.0050	0.0041	0.0046	5	0.0050	0.0046	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.201	0.190	0.199	0.187	0.205	5	0.205	0.196		
S-T	mg/L	5.7	5.9	6.2	5.8	4.5	5	6.2	5.6		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	7.81	7.52	7.90	7.26	7.72	5	7.90	7.64		
Sr-T	mg/L	0.0482	0.0514	0.0520	0.0469	0.0478	5	0.0520	0.0493		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0285	0.0308	0.0294	0.0308	0.0297	5	0.0308	0.0298	0.05	0.1
As-D	mg/L	0.00067	0.00060	0.00063	0.00057	0.00063	5	0.00067	0.00062		
Ba-D	mg/L	0.0032	0.0033	0.0031	0.0031	0.0032	5	0.0033	0.0032		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	10.1	10.1	9.79	9.99	9.85	5	10.1	9.97		
Cl-D	mg/L	1.2	1.2	2.1	<1.0	<1.0	5	2.1	1.1	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00052	0.00051	0.00054	0.00052	0.00056	5	0.00056	0.00053	0.0005	*
DOC	mg/L	2.2	2.2	2.1	2.5	2.5	5	2.5	2.3		
Hard-D	mg/L	30.5	30.5	29.7	30.6	29.5	5	30.6	30.2		
Fe-D	mg/L	0.0566	0.0510	0.0518	0.0505	0.0451	5	0.0566	0.051		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	1.29	1.26	1.28	1.36	1.19	5	1.36	1.28		
Mn-D	mg/L	0.0034	0.0035	0.0033	0.0029	0.0027	5	0.0035	0.0032		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.208	0.191	0.194	0.196	0.197	5	0.208	0.197		
S-D	mg/L	5.9	5.5	5.5	6.1	5.2	5	6.1	5.6		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	8.06	7.71	7.69	7.72	7.68	5	8.06	7.77		
Sr-D	mg/L	0.0498	0.0523	0.0497	0.0468	0.0503	5	0.0523	0.0498		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	0.038	<0.020	0.044	0.021	5	0.044	0.0246		
Chlr-a	ug/L	<1.0				<0.54	2	<1.0	0.385		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E292118									Water Quality Guidelines	
StnName	Lower Quinsam Lake 4M										
StnCode	LQL4										
		7-Apr-22	13-Apr-22	21-Apr-22	27-Apr-22	4-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	17	18	20	17	16	5	20	17.6	128	
Turb	NTU	0.45	0.30	0.44	0.40	0.35	5	0.45	0.39		
Alk-T	mg/L	30	29	28	30	30	5	30	29.4		
Al-T	mg/L	0.0398	0.0362	0.0384	0.0356	0.0414	5	0.0414	0.0383		
As-T	mg/L	0.00067	0.00067	0.00069	0.00062	0.00064	5	0.00069	0.00066		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0033	0.0033	0.0033	0.0030	0.0032	5	0.0033	0.0032	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	10.2	9.96	10.2	9.53	9.83	5	10.2	9.94		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	0.00057	0.00052	0.00056	0.00053	0.00057	5	0.00057	0.00055		
Fe-T	mg/L	0.090	0.078	0.087	0.074	0.084	5	0.090	0.083		1
Hard-T	mg/L	30.6	29.9	30.9	28.8	29.6	5	30.9	30		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	1.26	1.21	1.35	1.22	1.23	5	1.35	1.25		
Mn-T	mg/L	0.0049	0.0048	0.0049	0.0043	0.0047	5	0.0049	0.0047	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.211	0.186	0.202	0.189	0.200	5	0.211	0.198		
S-T	mg/L	5.3	6.1	6.8	5.6	4.4	5	6.8	5.6		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	7.61	7.55	8.10	7.40	7.16	5	8.10	7.56		
Sr-T	mg/L	0.0496	0.0516	0.0514	0.0477	0.0444	5	0.0516	0.0489		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0318	0.0299	0.0282	0.0306	0.0305	5	0.0318	0.0302	0.05	0.1
As-D	mg/L	0.00065	0.00060	0.00060	0.00060	0.00065	5	0.00065	0.00062		
Ba-D	mg/L	0.0032	0.0033	0.0031	0.0031	0.0033	5	0.0033	0.0032		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	9.92	9.96	9.81	9.99	9.92	5	9.99	9.92		
Cl-D	mg/L	1.2	1.2	2.2	<1.0	<1.0	5	2.2	1.12	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00052	0.00051	0.00052	0.00052	0.00053	5	0.00053	0.00052	0.0005	*
DOC	mg/L	2.4	2.1	2.6	2.5	2.6	5	2.6	2.4		
Hard-D	mg/L	29.9	30.0	29.8	30.4	29.5	5	30.4	29.9		
Fe-D	mg/L	0.0579	0.0486	0.0526	0.0515	0.0468	5	0.0579	0.0515		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	1.26	1.25	1.29	1.32	1.14	5	1.32	1.25		
Mn-D	mg/L	0.0035	0.0034	0.0033	0.0030	0.0030	5	0.0035	0.0032		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.203	0.188	0.196	0.185	0.190	5	0.203	0.192		
S-D	mg/L	5.4	5.8	6.5	6.1	5.0	5	6.5	5.8		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	7.50	7.61	7.93	7.54	7.34	5	7.93	7.58		
Sr-D	mg/L	0.0477	0.0516	0.0500	0.0463	0.0496	5	0.0516	0.049		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.01		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E292118									Water Quality Guidelines	
StnName	Lower Quinsam Lake 9M										
StnCode	LQL9										
		7-Apr-22	13-Apr-22	21-Apr-22	27-Apr-22	4-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	17	18	20	17	16	5	20	17.6	128	
Turb	NTU	0.42	0.27	0.52	0.46	0.35	5	0.52	0.4		
Alk-T	mg/L	31	29	29	30	29	5	31	29.6		
Al-T	mg/L	0.0415	0.0375	0.0373	0.0381	0.0409	5	0.0415	0.0391		
As-T	mg/L	0.00063	0.00068	0.00069	0.00064	0.00062	5	0.00069	0.00065		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0033	0.0033	0.0034	0.0032	0.0032	5	0.0034	0.0033	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	9.86	10.2	10.2	9.62	9.84	5	10.2	9.94		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	0.00062	0.00055	0.00055	0.00055	0.00055	5	0.00062	0.00056		
Fe-T	mg/L	0.087	0.081	0.087	0.079	0.086	5	0.087	0.084		1
Hard-T	mg/L	29.7	30.5	30.9	29.3	29.8	5	30.9	30		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	1.23	1.23	1.34	1.29	1.26	5	1.34	1.27		
Mn-T	mg/L	0.0047	0.0051	0.0051	0.0047	0.0049	5	0.0051	0.0049	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.200	0.186	0.197	0.196	0.197	5	0.200	0.195		
S-T	mg/L	5.0	5.5	6.0	6.1	4.6	5	6.1	5.4		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	7.24	7.78	8.04	7.71	7.29	5	8.04	7.61		
Sr-T	mg/L	0.0482	0.0529	0.0527	0.0497	0.0457	5	0.0529	0.0498		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0338	0.0314	0.0279	0.0324	0.0317	5	0.0338	0.0314	0.05	0.1
As-D	mg/L	0.00062	0.00063	0.00062	0.00059	0.00062	5	0.00063	0.00062		
Ba-D	mg/L	0.0032	0.0032	0.0030	0.0031	0.0033	5	0.0033	0.0032		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	0.000017	<0.000010	<0.000010	<0.000010	5	0.000017	0.0000074	0.000087	0.00017
Ca-D	mg/L	9.93	10.1	9.80	10.1	9.96	5	10.1	9.98		
Cl-D	mg/L	1.1	1.2	2.2	<1.0	<1.0	5	2.2	1.1	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00055	0.00053	0.00052	0.00054	0.00054	5	0.00055	0.00054	0.0004	*
DOC	mg/L	2.4	2.2	1.5	2.5	2.6	5	2.6	2.2		
Hard-D	mg/L	30.1	30.4	29.8	30.6	29.6	5	30.6	30.1		
Fe-D	mg/L	0.0572	0.0527	0.0520	0.0493	0.0476	5	0.0572	0.0518		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	1.27	1.24	1.30	1.32	1.14	5	1.32	1.25		
Mn-D	mg/L	0.0036	0.0038	0.0033	0.0030	0.0033	5	0.0038	0.0034		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.201	0.202	0.195	0.190	0.188	5	0.202	0.195		
S-D	mg/L	4.8	6.8	5.7	5.4	5.3	5	6.8	5.6		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	7.24	7.78	7.90	7.64	7.32	5	7.90	7.58		
Sr-D	mg/L	0.0485	0.0527	0.0499	0.0469	0.0491	5	0.0527	0.0494		
Zn-D	mg/L	<0.0050	0.0051	<0.0050	<0.0050	<0.0050	5	0.0051	0.00302		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.01		

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Spring 2022

EMS ID	E292118									Water Quality Guidelines	
StnName	Lower Quinsam Lake 1MB										
StnCode	LQLB										
		7-Apr-22	13-Apr-22	21-Apr-22	27-Apr-22	4-May-22	Count	Max	5 in 30 Av	Chronic	Acute
SO4-D	mg/L	17	18	20	17	18	5	20	18	128	
Turb	NTU	0.45	0.37	0.52	0.39	0.44	5	0.52	0.43		
Alk-T	mg/L	29	30	29	36	30	5	36	30.8		
Al-T	mg/L	0.0469	0.0412	0.0384	0.0398	0.0370	5	0.0469	0.0407		
As-T	mg/L	0.00065	0.00072	0.00069	0.00067	0.00071	5	0.00072	0.00069		0.005
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025	1.2	
Ba-T	mg/L	0.0033	0.0034	0.0033	0.0033	0.0035	5	0.0035	0.0034	1	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005		
Ca-T	mg/L	9.89	10.1	10.1	10.1	10.2	5	10.2	10.08		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.004	0.11
Cu-T	mg/L	0.00063	0.00055	0.00058	0.00064	0.00055	5	0.00064	0.00059		
Fe-T	mg/L	0.095	0.085	0.088	0.088	0.124	5	0.124	0.096		1
Hard-T	mg/L	29.9	30.4	30.9	30.5	30.9	5	30.9	30.5		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001	0.0039978	0.01763
Mg-T	mg/L	1.26	1.25	1.38	1.28	1.32	5	1.38	1.3		
Mn-T	mg/L	0.0053	0.0053	0.0052	0.0051	0.0093	5	0.0093	0.006	0.737	0.8706
P-T	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015	0.007	
Ag-D	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005	0.025	
K-T	mg/L	0.209	0.193	0.197	0.196	0.200	5	0.209	0.199		
S-T	mg/L	5.2	5.9	6.2	5.8	5.0	5	6.2	5.6		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.00001	0.00005	0.0001
Na-T	mg/L	7.28	8.00	8.07	7.79	7.80	5	8.07	7.79		
Sr-T	mg/L	0.0480	0.0530	0.0524	0.0503	0.0493	5	0.0530	0.0506		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.0025	0.0075	0.033
Al-D	mg/L	0.0347	0.0276	0.0285	0.0301	0.0265	5	0.0347	0.0295	0.05	0.1
As-D	mg/L	0.00062	0.00065	0.00062	0.00059	0.00067	5	0.00067	0.00063		
Ba-D	mg/L	0.0033	0.0032	0.0031	0.0031	0.0033	5	0.0033	0.0032		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.025		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.000005	0.000087	0.00017
Ca-D	mg/L	9.83	9.97	9.87	9.84	9.93	5	9.97	9.89		
Cl-D	mg/L	1.1	1.1	2.2	<1.0	<1.0	5	2.2	1.08	150	600
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Cu-D	mg/L	0.00063	0.00049	0.00053	0.00053	0.00051	5	0.00063	0.00054	0.0004	*
DOC	mg/L	2.4	1.9	1.8	2.5	2.7	5	2.7	2.3		
Hard-D	mg/L	29.7	30.0	29.9	30.0	29.8	5	30.0	29.9		
Fe-D	mg/L	0.0583	0.0527	0.0538	0.0550	0.0679	5	0.0679	0.06		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.0001		
Mg-D	mg/L	1.24	1.24	1.28	1.31	1.20	5	1.31	1.25		
Mn-D	mg/L	0.0041	0.0039	0.0034	0.0033	0.0068	5	0.0068	0.0043		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.0005		
P-D	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	5	<0.0030	0.0015		
K-D	mg/L	0.202	0.184	0.196	0.186	0.190	5	0.202	0.192		
S-D	mg/L	5.2	5.9	5.3	5.6	6.2	5	6.2	5.6		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.00005		
Na-D	mg/L	7.15	7.81	7.89	7.54	7.72	5	7.89	7.62		
Sr-D	mg/L	0.0473	0.0526	0.0493	0.0465	0.0505	5	0.0526	0.0492		
Zn-D	mg/L	0.0063	<0.0050	<0.0050	<0.0050	<0.0050	5	0.0063	0.00326		
N-NO23	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	5	<0.020	0.01		

Notes: *Copper is a variable guideline. See Exceedance Table.

Factor applied to less-than results when calculating statistics: 0.5

Table 41 Spring Rivers 7 Page(s)

Q1 (April 1st to June 30th, 2022)													
EMS ID	E217017									Water Quality Guidelines			
StnName	No Name Lake Outlet												
StnCode	NNO												
Date	Unit	4-Apr-22	11-Apr-22	19-Apr-22	25-Apr-22	2-May-22	Count	Max	5 in 30 Av	Chronic	Acute		
pH-F	pH Units	6.95	7.57	7.98	7.56	7.14	5	7.98	7.44		6.5-9.0		
Cond-F	uS/cm	73.7	70.1	47.2	74.8	33.8	5	74.8	59.9				
SO4-D	mg/L	2.6	3.8	3.3	2.8	2.4	5	3.8	3.0	128			
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	150	600		
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	5	25		
Alk-T	mg/L	11	10	10	10	11	5	11	10.4				
Al-T	mg/L	0.0456	0.0472	0.0426	0.0396	0.0354	5	0.0472	0.0421				
As-T	mg/L	0.00025	0.00025	0.00027	0.00025	0.00023	5	0.00027	0.00025		0.005		
Ba-T	mg/L	0.0011	0.0012	0.0012	0.0010	0.0010	5	0.0012	0.0011	1			
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.0250	1.2			
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050				
Ca-T	mg/L	3.81	3.74	3.80	3.62	3.65	5	3.81	3.72				
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050				
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11		
Cu-T	mg/L	<0.00050	0.00051	<0.00050	<0.00050	<0.00050	5	0.00051	0.000302				
Hard-T	mg/L	12.7	12.8	12.7	12.3	12.3	5	12.8	12.6				
Fe-T	mg/L	0.090	0.075	0.066	0.055	0.049	5	0.090	0.067		1		
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.0039978	0.01763		
Mg-T	mg/L	0.771	0.837	0.792	0.790	0.780	5	0.837	0.794				
Mn-T	mg/L	0.0118	0.0102	0.0086	0.0060	0.0053	5	0.0118	0.0084	0.737	0.8706		
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2		
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	0.025			
K-T	mg/L	0.058	0.061	0.058	0.054	0.054	5	0.061	0.057				
S-T	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.50				
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050	0.002			
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.0000100	0.00005	0.0001		
Na-T	mg/L	1.08	1.08	1.05	1.08	1.03	5	1.08	1.06				
Sr-T	mg/L	0.0119	0.0120	0.0127	0.0112	0.0115	5	0.0127	0.0119				
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033		
Al-D	mg/L	0.0360	0.0362	0.0348	0.0320	0.0364	5	0.0364	0.0351	0.05	0.1		
As-D	mg/L	0.00020	0.00024	0.00024	0.00022	0.00026	5	0.00026	0.00023				
Ba-D	mg/L	0.0011	0.0011	0.0014	0.0011	0.0012	5	0.0014	0.0012				
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.0250				
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050	0.000087	0.00017		
Ca-D	mg/L	3.58	3.72	3.76	3.46	3.62	5	3.76	3.63				
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050				
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100				
Cu-D	mg/L	0.00043	0.00044	0.00058	0.00041	0.00042	5	0.00058	0.00046	0.0006	*		
Hard-D	mg/L	12.1	12.3	12.5	11.6	12.2	5	12.5	12.1				
DOC	mg/L	2.7	2.9	2.5	2.6	2.7	5	2.9	2.7				
Fe-D	mg/L	0.0433	0.0416	0.0380	0.0311	0.0375	5	0.0433	0.0383		0.35		
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100				
Mg-D	mg/L	0.757	0.743	0.742	0.728	0.763	5	0.763	0.747				
Mn-D	mg/L	0.0095	0.0090	0.0072	0.0049	0.0052	5	0.0095	0.0072				
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050				
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050				
K-D	mg/L	0.055	0.053	0.056	<0.050	0.059	5	0.059	0.0496				
S-D	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.50				
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050				
Na-D	mg/L	1.06	0.961	1.07	0.997	1.06	5	1.07	1.030				
Sr-D	mg/L	0.0112	0.0119	0.0128	0.0112	0.0114	5	0.0128	0.0117				
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033		
Notes: *Copper is a variable guideline. See Exceedance Table.													
Factor applied to less-than results when calculating statistics: 0.5													

Table 41 Spring Rivers 7 Page(s)

EMS ID	E219412									Water Quality Guidelines	
StnName	Long Lake Outlet										
StnCode	LLO										
Date	Unit	4-Apr-22	11-Apr-22	19-Apr-22	25-Apr-22	2-May-22	Count	Max	5 in 30 Av	Chronic	Acute
pH-F	pH Units	7.56	7.56	6.81	6.9	7.56	5	7.56	7.28		6.5-9.0
Cond-F	uS/cm	142.6	171	120.2	90.3	101.3	5	171	125.1		
SO4-D	mg/L	42	33	32	22	29	5	42	31.6	128	
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	150	600
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	5	25
Alk-T	mg/L	25	22	21	16	22	5	25	21.2		
Al-T	mg/L	0.0369	0.0395	0.0364	0.0360	0.0332	5	0.0395	0.0364		
As-T	mg/L	0.00030	0.00030	0.00030	0.00027	0.00034	5	0.00034	0.00030		0.005
Ba-T	mg/L	0.0037	0.0031	0.0032	0.0026	0.0030	5	0.0037	0.0031	1	
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.0250	1.2	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	17.6	14.1	13.1	10.3	12.9	5	17.6	13.6		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11
Cu-T	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	5	<0.00050	0.000250		
Hard-T	mg/L	53.2	43.2	40.3	31.9	39.5	5	53.2	41.6		
Fe-T	mg/L	0.087	0.073	0.067	0.058	0.053	5	0.087	0.068		1
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.0039978	0.01763
Mg-T	mg/L	2.24	1.95	1.82	1.50	1.76	5	2.24	1.85		
Mn-T	mg/L	0.0249	0.0163	0.0104	0.0069	0.0082	5	0.0249	0.0133	0.737	0.8706
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	0.025	
K-T	mg/L	0.202	0.184	0.163	0.132	0.157	5	0.202	0.168		
S-T	mg/L	12.8	10.7	10.1	6.6	10.1	5	12.8	10.1		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.0000100	0.00005	0.0001
Na-T	mg/L	5.34	4.68	3.92	2.97	3.92	5	5.34	4.17		
Sr-T	mg/L	0.111	0.0933	0.0832	0.0562	0.0807	5	0.111	0.0849		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033
Al-D	mg/L	0.0269	0.0291	0.0307	0.0285	0.0264	5	0.0307	0.0283	0.05	0.1
As-D	mg/L	0.00027	0.00027	0.00029	0.00026	0.00029	5	0.00029	0.00028		
Ba-D	mg/L	0.0036	0.0030	0.0034	0.0025	0.0029	5	0.0036	0.0031		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.0250		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050	0.000087	0.00017
Ca-D	mg/L	17.2	14.0	13.3	10.0	12.9	5	17.2	13.5		
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Cu-D	mg/L	0.00039	0.00041	0.00036	0.00038	0.00037	5	0.00041	0.00038	0.0005	*
Hard-D	mg/L	52.3	42.1	40.8	30.9	39.4	5	52.3	41.1		
DOC	mg/L	2.8	2.0	2.5	2.2	2.7	5	2.8	2.4		
Fe-D	mg/L	0.0462	0.0441	0.0403	0.0334	0.0330	5	0.0462	0.0394		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Mg-D	mg/L	2.26	1.75	1.82	1.43	1.74	5	2.26	1.80		
Mn-D	mg/L	0.0198	0.0133	0.0086	0.0050	0.0055	5	0.0198	0.0104		
Mo-D	mg/L	0.0058	<0.0010	<0.0010	<0.0010	<0.0010	5	0.0058	0.00156		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
K-D	mg/L	0.207	0.160	0.170	0.129	0.164	5	0.207	0.166		
S-D	mg/L	12.7	10.1	8.9	6.5	8.8	5	12.7	9.4		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050		
Na-D	mg/L	5.48	4.35	4.04	2.92	3.91	5	5.48	4.14		
Sr-D	mg/L	0.110	0.0906	0.0870	0.0593	0.0785	5	0.110	0.0851		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Table 41 Spring Rivers 7 Page(s)

EMS ID	E0126402									Water Quality Guidelines	
StnName	Quinsam River at Argonaut Road										
StnCode	WA										
Date	Unit	4-Apr-22	11-Apr-22	19-Apr-22	25-Apr-22	2-May-22	Count	Max	5 in 30 Av	Chronic	Acute
pH-F	pH Units	7.82	7.58	7.6	7.61	7.8	5	7.82	7.68		6.5-9.0
Cond-F	uS/cm	46.1	48.7	55.6	49.4	42.9	5	55.6	48.5		
SO4-D	mg/L	1.3	2.9	2.1	1.7	1.5	5	2.9	1.9	128	
Cl-D	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	150	600
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	5	25
Alk-T	mg/L	17	21	20	21	21	5	21	20.0		
Al-T	mg/L	0.0307	0.0236	0.0250	0.0243	0.0220	5	0.0307	0.0251		
As-T	mg/L	0.00011	0.00010	0.00011	<0.00010	<0.00010	5	0.00011	0.000084		0.005
Ba-T	mg/L	<0.0010	<0.0010	0.0013	<0.0010	0.0011	5	0.0013	0.00078	1	
B-T	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.0250	1.2	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	6.15	6.44	6.12	6.77	6.92	5	6.92	6.48		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11
Cu-T	mg/L	0.00057	0.00060	0.00060	0.00059	0.00059	5	0.00060	0.00059		
Hard-T	mg/L	18.1	19.2	18.1	20.0	20.3	5	20.3	19.1		
Fe-T	mg/L	0.015	0.013	0.013	0.011	0.012	5	0.015	0.013		1
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.0039978	0.01763
Mg-T	mg/L	0.670	0.749	0.685	0.749	0.735	5	0.749	0.718		
Mn-T	mg/L	0.0014	0.0013	0.0013	0.0013	0.0014	5	0.0014	0.0013	0.737	0.8706
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	0.025	
K-T	mg/L	0.062	0.061	0.058	0.058	0.058	5	0.062	0.059		
S-T	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.50		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.0000100	0.00005	0.0001
Na-T	mg/L	0.693	0.697	0.676	0.680	0.685	5	0.697	0.686		
Sr-T	mg/L	0.0112	0.0111	0.0111	0.0109	0.0114	5	0.0114	0.0111		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033
Al-D	mg/L	0.0233	0.0163	0.0209	0.0224	0.0163	5	0.0233	0.0198	0.05	0.1
As-D	mg/L	0.00010	<0.00010	0.00011	<0.00010	<0.00010	5	0.00011	0.000072		
Ba-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	5	0.0010	0.00060		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.0250		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050	0.000087	0.00017
Ca-D	mg/L	6.01	6.47	6.38	6.41	6.80	5	6.80	6.41		
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Cu-D	mg/L	0.00053	0.00054	0.00053	0.00055	0.00052	5	0.00055	0.00053	0.0005	*
Hard-D	mg/L	17.8	19.0	18.8	18.9	20.0	5	20.0	18.9		
DOC	mg/L	1.9	1.9	1.9	1.7	1.8	5	1.9	1.8		
Fe-D	mg/L	0.0094	0.0068	0.0073	0.0063	0.0065	5	0.0094	0.0073		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Mg-D	mg/L	0.687	0.681	0.686	0.696	0.728	5	0.728	0.696		
Mn-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
K-D	mg/L	0.063	0.055	0.059	0.057	0.061	5	0.063	0.059		
S-D	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	1.50		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050		
Na-D	mg/L	0.735	0.640	0.668	0.648	0.692	5	0.735	0.677		
Sr-D	mg/L	0.0106	0.0116	0.0121	0.0112	0.0113	5	0.0121	0.0114		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Table 41 Spring Rivers 7 Page(s)

EMS ID	E0900504									Water Quality Guidelines	
StnName	Middle Quinsam Lake Outlet										
StnCode	WB										
Date	Unit	4-Apr-22	11-Apr-22	19-Apr-22	25-Apr-22	2-May-22	Count	Max	5 in 30 Av	Chronic	Acute
pH-F	pH Units	7.24	7.77	7.66	7.78	7.9	5	7.9	7.67		6.5-9.0
Cond-F	uS/cm	132.8	196.5	207	189.9	137.1	5	207	172.7		
SO4-D	mg/L	33	30	34	35	28	5	35	32.0	128	
Cl-D	mg/L	<1.0	1.2	1.5	<1.0	<1.0	5	1.5	0.84	150	600
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	5	25
Alk-T	mg/L	38	37	37	40	38	5	40	38.0		
Al-T	mg/L	0.0219	0.0223	0.0203	0.0184	0.0180	5	0.0223	0.0202		
As-T	mg/L	0.00014	0.00015	0.00014	0.00012	0.00014	5	0.00015	0.00014		0.005
Ba-T	mg/L	0.0022	0.0019	0.0021	0.0019	0.0021	5	0.0022	0.0020	1	
B-T	mg/L	<0.050	<0.050	0.055	0.052	<0.050	5	0.055	0.0364	1.2	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	13.0	12.1	12.3	12.0	12.1	5	13.0	12.3		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	5	0.0014	0.00068		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11
Cu-T	mg/L	0.00051	0.00053	<0.00050	0.00053	<0.00050	5	0.00053	0.000414		
Hard-T	mg/L	39.2	36.9	37.4	36.8	36.6	5	39.2	37.4		
Fe-T	mg/L	0.041	0.039	0.034	0.047	0.033	5	0.047	0.039		1
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.0039978	0.01763
Mg-T	mg/L	1.65	1.63	1.62	1.66	1.57	5	1.66	1.63		
Mn-T	mg/L	0.0074	0.0060	0.0063	0.0051	0.0052	5	0.0074	0.0060	0.737	0.8706
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	0.025	
K-T	mg/L	0.215	0.230	0.230	0.236	0.228	5	0.236	0.228		
S-T	mg/L	10.1	10.0	9.9	9.5	10.9	5	10.9	10.1		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.0000100	0.00005	0.0001
Na-T	mg/L	12.3	12.9	13.6	15.1	13.6	5	15.1	13.5		
Sr-T	mg/L	0.0716	0.0653	0.0702	0.0649	0.0673	5	0.0716	0.0679		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033
Al-D	mg/L	0.0173	0.0167	0.0155	0.0163	0.0150	5	0.0173	0.0162	0.05	0.1
As-D	mg/L	0.00013	0.00014	0.00015	0.00011	0.00015	5	0.00015	0.00014		
Ba-D	mg/L	0.0021	0.0019	0.0021	0.0018	0.0020	5	0.0021	0.0020		
B-D	mg/L	<0.050	<0.050	<0.050	0.052	0.052	5	0.052	0.0358		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050	0.000087	0.00017
Ca-D	mg/L	12.3	11.9	12.4	11.8	12.4	5	12.4	12.2		
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Cu-D	mg/L	0.00047	0.00051	0.00045	0.00047	0.00044	5	0.00051	0.00047	0.0006	*
Hard-D	mg/L	37.6	35.7	37.6	35.8	37.4	5	37.6	36.8		
DOC	mg/L	1.9	1.4	2.2	1.7	2.0	5	2.2	1.8		
Fe-D	mg/L	0.0245	0.0221	0.0218	0.0193	0.0221	5	0.0245	0.0220		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Mg-D	mg/L	1.67	1.46	1.61	1.54	1.58	5	1.67	1.57		
Mn-D	mg/L	0.0046	0.0037	0.0044	0.0034	0.0036	5	0.0046	0.0039		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
K-D	mg/L	0.220	0.215	0.226	0.229	0.228	5	0.229	0.224		
S-D	mg/L	10.0	10.1	10.6	9.9	10.7	5	10.7	10.3		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050		
Na-D	mg/L	12.7	12.5	13.6	14.5	13.5	5	14.5	13.4		
Sr-D	mg/L	0.0685	0.0660	0.0722	0.0650	0.0697	5	0.0722	0.0683		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Table 41 Spring Rivers 7 Page(s)

EMS ID	E286930									Water Quality Guidelines	
StnName	Quinsam River Downstream 1										
StnCode	QRDS1										
Date	Unit	4-Apr-22	11-Apr-22	19-Apr-22	25-Apr-22	2-May-22	Count	Max	5 in 30 Av	Chronic	Acute
pH-F	pH Units	7.83	7.5	7.48	7.59	8.2	5	8.2	7.72		6.5-9.0
Cond-F	uS/cm	164.3	145.8	151	136.4	153.2	5	164.3	150.1		
SO4-D	mg/L	31	32	33	29	28	5	33	30.6	128	
Cl-D	mg/L	<1.0	1.3	1.9	<1.0	<1.0	5	1.9	0.94	150	600
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	5	25
Alk-T	mg/L	41	40	38	40	42	5	42	40.2		
Al-T	mg/L	0.0246	0.0224	0.0262	0.0220	0.0241	5	0.0262	0.0239		
As-T	mg/L	0.00070	0.00066	0.00065	0.00068	0.00075	5	0.00075	0.00069		0.005
Ba-T	mg/L	0.0029	0.0027	0.0029	0.0027	0.0028	5	0.0029	0.0028	1	
B-T	mg/L	0.054	0.056	0.059	0.054	0.060	5	0.060	0.057	1.2	
Cd-T	mg/L	<0.000010	<0.000010	0.000054	<0.000010	<0.000010	5	0.000054	0.0000148		
Ca-T	mg/L	12.7	11.9	12.5	11.9	12.5	5	12.7	12.3		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11
Cu-T	mg/L	0.00052	0.00050	0.00052	<0.00050	0.00051	5	0.00052	0.000460		
Hard-T	mg/L	38.8	36.7	38.3	36.9	38.2	5	38.8	37.8		
Fe-T	mg/L	0.053	0.045	0.042	0.050	0.047	5	0.053	0.047		1
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.0039978	0.01763
Mg-T	mg/L	1.73	1.68	1.75	1.72	1.70	5	1.75	1.72		
Mn-T	mg/L	0.0065	0.0051	0.0054	0.0048	0.0050	5	0.0065	0.0054	0.737	0.8706
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	0.025	
K-T	mg/L	0.255	0.262	0.259	0.255	0.266	5	0.266	0.259		
S-T	mg/L	10.6	10.5	10.3	9.9	11.0	5	11.0	10.5		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.0000100	0.00005	0.0001
Na-T	mg/L	13.8	14.4	13.7	14.7	15.7	5	15.7	14.5		
Sr-T	mg/L	0.0746	0.0713	0.0761	0.0695	0.0744	5	0.0761	0.0732		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033
Al-D	mg/L	0.0164	0.0164	0.0195	0.0183	0.0179	5	0.0195	0.0177	0.05	0.1
As-D	mg/L	0.00062	0.00061	0.00061	0.00061	0.00067	5	0.00067	0.00062		
Ba-D	mg/L	0.0028	0.0028	0.0030	0.0026	0.0032	5	0.0032	0.0029		
B-D	mg/L	0.057	0.055	0.052	0.055	0.060	5	0.060	0.056		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050	0.000087	0.00017
Ca-D	mg/L	12.4	12.0	12.5	11.8	12.7	5	12.7	12.3		
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Cu-D	mg/L	0.00049	0.00050	0.00045	0.00045	0.00048	5	0.00050	0.00047	0.0006	*
Hard-D	mg/L	38.0	36.5	38.4	36.2	38.7	5	38.7	37.6		
DOC	mg/L	2.1	1.5	1.5	1.7	2.0	5	2.1	1.8		
Fe-D	mg/L	0.0300	0.0277	0.0285	0.0257	0.0274	5	0.0300	0.0279		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Mg-D	mg/L	1.72	1.58	1.74	1.60	1.69	5	1.74	1.67		
Mn-D	mg/L	0.0039	0.0033	0.0035	0.0029	0.0029	5	0.0039	0.0033		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
K-D	mg/L	0.260	0.240	0.259	0.249	0.284	5	0.284	0.258		
S-D	mg/L	10.1	10.4	10.1	9.3	10.4	5	10.4	10.1		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050		
Na-D	mg/L	14.5	13.6	13.7	14.0	15.6	5	15.6	14.3		
Sr-D	mg/L	0.0743	0.0719	0.0775	0.0707	0.0756	5	0.0775	0.0740		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Table 41 Spring Rivers 7 Page(s)

EMS ID	E292113									Water Quality Guidelines	
StnName	7 South Quinsam River										
StnCode	75QR										
Date	Unit	4-Apr-22	11-Apr-22	19-Apr-22	25-Apr-22	2-May-22	Count	Max	5 in 30 Av	Chronic	Acute
pH-F	pH Units	7.36	7.52	7.9	8.06	7.65	5	8.06	7.70		6.5-9.0
Cond-F	uS/cm	134.2	138.5	218.8	172.8	136.5	5	218.8	160.2		
SO4-D	mg/L	30	32	30	35	25	5	35	30.4	128	
Cl-D	mg/L	<1.0	1.2	1.3	<1.0	<1.0	5	1.3	0.80	150	600
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	5	25
Alk-T	mg/L	37	40	35	38	38	5	40	37.6		
Al-T	mg/L	0.0400	0.0286	0.0323	0.0289	0.0353	5	0.0400	0.0330		
As-T	mg/L	0.00068	0.00070	0.00064	0.00064	0.00069	5	0.00070	0.00067		0.005
Ba-T	mg/L	0.0029	0.0028	0.0030	0.0028	0.0033	5	0.0033	0.0030	1	
B-T	mg/L	0.051	0.054	0.063	0.053	0.055	5	0.063	0.055	1.2	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	11.8	11.7	11.7	11.5	11.6	5	11.8	11.7		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11
Cu-T	mg/L	0.00054	0.00054	0.00053	0.00053	0.00057	5	0.00057	0.00054		
Hard-T	mg/L	36.2	36.3	35.8	35.8	35.6	5	36.3	35.9		
Fe-T	mg/L	0.112	0.084	0.083	0.084	0.108	5	0.112	0.094		1
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.0039978	0.01763
Mg-T	mg/L	1.62	1.71	1.61	1.72	1.60	5	1.72	1.65		
Mn-T	mg/L	0.0068	0.0063	0.0057	0.0062	0.0071	5	0.0071	0.0064	0.737	0.8706
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	0.025	
K-T	mg/L	0.232	0.259	0.229	0.252	0.251	5	0.259	0.245		
S-T	mg/L	8.8	9.9	9.8	9.2	10.6	5	10.6	9.7		
Se-T	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.0000100	0.00005	0.0001
Na-T	mg/L	12.2	13.9	12.3	13.8	14.0	5	14.0	13.2		
Sr-T	mg/L	0.0679	0.0691	0.0694	0.0653	0.0678	5	0.0694	0.0679		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033
Al-D	mg/L	0.0225	0.0172	0.0230	0.0176	0.0195	5	0.0230	0.0200	0.05	0.1
As-D	mg/L	0.00057	0.00065	0.00058	0.00058	0.00065	5	0.00065	0.00061		
Ba-D	mg/L	0.0029	0.0028	0.0029	0.0027	0.0028	5	0.0029	0.0028		
B-D	mg/L	0.053	0.054	0.055	0.052	0.057	5	0.057	0.054		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050	0.000087	0.00017
Ca-D	mg/L	11.4	11.7	11.9	11.5	11.7	5	11.9	11.6		
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Cu-D	mg/L	0.00051	0.00048	0.00050	0.00050	0.00049	5	0.00051	0.00050	0.0008	*
Hard-D	mg/L	35.4	35.5	36.3	35.1	35.9	5	36.3	35.6		
DOC	mg/L	2.2	2.7	2.5	2.1	2.4	5	2.7	2.4		
Fe-D	mg/L	0.0676	0.0561	0.0523	0.0519	0.0642	5	0.0676	0.0584		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Mg-D	mg/L	1.65	1.53	1.62	1.54	1.60	5	1.65	1.59		
Mn-D	mg/L	0.0051	0.0048	0.0044	0.0048	0.0057	5	0.0057	0.0050		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
K-D	mg/L	0.236	0.234	0.240	0.239	0.258	5	0.258	0.241		
S-D	mg/L	8.8	9.4	9.1	9.3	9.1	5	9.4	9.1		
Se-D	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	5	<0.00010	0.000050		
Na-D	mg/L	12.5	12.9	12.4	13.1	13.8	5	13.8	12.9		
Sr-D	mg/L	0.0662	0.0698	0.0709	0.0661	0.0684	5	0.0709	0.0683		
Zn-D	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033

Notes: *Copper is a variable guideline. See Exceedance Table.
Factor applied to less-than results when calculating statistics: 0.5

Table 41 Spring Rivers 7 Page(s)

EMS ID	E299256									Water Quality Guidelines	
StnName	Iron River & Quinsam River Confluence										
StnCode	IRQR										
Date	Unit	4-Apr-22	11-Apr-22	19-Apr-22	25-Apr-22	2-May-22	Count	Max	5 in 30 Av	Chronic	Acute
pH-F	pH Units	7.28	7.62	7.4	7.92	7.55	5	7.92	7.55		6.5-9.0
Cond-F	uS/cm	81.9	110.9	98.8	94.8	98.7	5	110.9	97.0		
SO4-D	mg/L	15	19	17	17	15	5	19	16.6	128	
Cl-D	mg/L	<1.0	1.2	1.0	<1.0	<1.0	5	1.2	0.74	150	600
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	0.50	5	25
Alk-T	mg/L	28	35	27	30	33	5	35	30.6		
Al-T	mg/L	0.0720	0.0377	0.0577	0.0455	0.0580	5	0.0720	0.0542		
As-T	mg/L	0.00067	0.00077	0.00079	0.00068	0.00073	5	0.00079	0.00073		0.005
Ba-T	mg/L	0.0034	0.0032	0.0035	0.0032	0.0034	5	0.0035	0.0033	1	
B-T	mg/L	<0.050	<0.050	0.060	<0.050	<0.050	5	0.060	0.0320	1.2	
Cd-T	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050		
Ca-T	mg/L	9.08	10.7	9.13	9.36	10.1	5	10.7	9.67		
Cr-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.004	0.11
Cu-T	mg/L	0.00062	0.00058	0.00061	0.00057	0.00062	5	0.00062	0.00060		
Hard-T	mg/L	27.1	32.5	27.8	28.2	29.9	5	32.5	29.1		
Fe-T	mg/L	0.087	0.075	0.070	0.059	0.078	5	0.087	0.074		1
Pb-T	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100	0.0039978	0.01763
Mg-T	mg/L	1.07	1.38	1.22	1.17	1.13	5	1.38	1.19		
Mn-T	mg/L	0.0041	0.0043	0.0040	0.0035	0.0038	5	0.0043	0.0039	0.737	0.8706
Mo-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	1	2
Ni-T	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050	0.025	
K-T	mg/L	0.183	0.215	0.199	0.189	0.197	5	0.215	0.197		
S-T	mg/L	4.6	6.2	5.2	5.3	4.4	5	6.2	5.1		
Se-T	mg/L	<0.00010	0.00010	<0.00010	<0.00010	0.00011	5	0.00011	0.000072	0.002	
Ag-T	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	5	<0.000020	0.0000100	0.00005	0.0001
Na-T	mg/L	5.79	8.94	7.52	7.13	6.59	5	8.94	7.19		
Sr-T	mg/L	0.0430	0.0537	0.0490	0.0451	0.0485	5	0.0537	0.0479		
Zn-T	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5	<0.0050	0.00250	0.0075	0.033
Al-D	mg/L	0.0487	0.0260	0.0452	0.0358	0.0422	5	0.0487	0.0396	0.05	0.1
As-D	mg/L	0.00059	0.00069	0.00070	0.00062	0.00074	5	0.00074	0.00067		
Ba-D	mg/L	0.0033	0.0033	0.0036	0.0032	0.0034	5	0.0036	0.0034		
B-D	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	5	<0.050	0.0250		
Cd-D	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	5	<0.000010	0.0000050	0.000087	0.00017
Ca-D	mg/L	8.69	10.6	8.99	9.41	10.2	5	10.6	9.58		
Cr-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Co-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Cu-D	mg/L	0.00057	0.00052	0.00051	0.00051	0.00057	5	0.00057	0.00054	0.0008	*
Hard-D	mg/L	26.0	31.6	27.2	28.1	30.0	5	31.6	28.6		
DOC	mg/L	3.1	2.8	3.4	2.5	2.8	5	3.4	2.9		
Fe-D	mg/L	0.0424	0.0390	0.0435	0.0374	0.0421	5	0.0435	0.0409		0.35
Pb-D	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	5	<0.00020	0.000100		
Mg-D	mg/L	1.04	1.22	1.16	1.12	1.10	5	1.22	1.13		
Mn-D	mg/L	0.0025	0.0033	0.0030	0.0027	0.0027	5	0.0033	0.0028		
Mo-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
Ni-D	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5	<0.0010	0.00050		
K-D	mg/L	0.182	0.187	0.199	0.182	0.200	5	0.200	0.190		
S-D	mg/L	3.7	5.7	5.4	5.0	4.3	5	5.7	4.8		
Se-D	mg/L	<0.00010	0.00011	<0.00010	<0.00010	0.00013	5	0.00013	0.000078		
Na-D	mg/L	5.83	8.26	7.14	6.89	6.53	5	8.26	6.93		
Sr-D	mg/L	0.0416	0.0554	0.0499	0.0467	0.0482	5	0.0554	0.0484		
Zn-D	mg/L	0.0060	<0.0050	<0.0050	<0.0050	<0.0050	5	0.0060	0.00320	0.0075	0.033

Notes: *Copper is a variable guideline. See Exceedance Table.

Factor applied to less-than results when calculating statistics: 0.5

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
2SI	2022-06-13	H2S	mg/L	0.002	0.002	0.0085	0.0079	7.3	1.08
2SI	2022-06-13	S2-T	mg/L	0.0018	0.0018	0.0080	0.0075	6.5	1.07
2SI	2022-06-13	SO4-D	mg/L	10	10	490	470	4.2	1.04
7SQR	2022-04-04	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
7SQR	2022-04-04	Acidity83	mg/L	1	1	1.6	1.9	17.1	0.84
7SQR	2022-04-04	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
7SQR	2022-04-04	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
7SQR	2022-04-04	Al-D	mg/L	0.003	0.003	0.0233	0.0225	3.5	1.04
7SQR	2022-04-04	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
7SQR	2022-04-04	Alk-T	mg/L	1	1	36	37	2.7	0.97
7SQR	2022-04-04	Al-T	mg/L	0.003	0.003	0.0392	0.0400	2.0	0.98
7SQR	2022-04-04	As-D	mg/L	0.0001	0.0001	0.00060	0.00057	5.1	1.05
7SQR	2022-04-04	As-T	mg/L	0.0001	0.0001	0.00064	0.00068	6.1	0.94
7SQR	2022-04-04	Ba-D	mg/L	0.001	0.001	0.0028	0.0029	3.5	0.97
7SQR	2022-04-04	Ba-T	mg/L	0.001	0.001	0.0028	0.0029	3.5	0.97
7SQR	2022-04-04	B-D	mg/L	0.05	0.05	0.053	0.053	0.0	1.00
7SQR	2022-04-04	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
7SQR	2022-04-04	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
7SQR	2022-04-04	Bicarb	mg/L	1	1	44	45	2.2	0.98
7SQR	2022-04-04	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	B-T	mg/L	0.05	0.05	0.051	0.051	0.0	1.00
7SQR	2022-04-04	Ca-D	mg/L	0.05	0.05	11.6	11.4	1.7	1.02
7SQR	2022-04-04	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
7SQR	2022-04-04	Ca-T	mg/L	0.05	0.05	11.6	11.8	1.7	0.98
7SQR	2022-04-04	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
7SQR	2022-04-04	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
7SQR	2022-04-04	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
7SQR	2022-04-04	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
7SQR	2022-04-04	Cond-L	uS/cm	2	2	140	140	0.0	1.00
7SQR	2022-04-04	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
7SQR	2022-04-04	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	Cu-D	mg/L	0.0002	0.0002	0.00051	0.00051	0.0	1.00
7SQR	2022-04-04	Cu-T	mg/L	0.0005	0.0005	0.00056	0.00054	3.6	1.04
7SQR	2022-04-04	DOC	mg/L	0.5	0.5	2.2	2.2	0.0	1.00
7SQR	2022-04-04	Fe-D	mg/L	0.005	0.005	0.0673	0.0676	0.4	1.00
7SQR	2022-04-04	Fe-T	mg/L	0.01	0.01	0.109	0.112	2.7	0.97
7SQR	2022-04-04	Hard-D	mg/L	0.5	0.5	35.6	35.4	0.6	1.01
7SQR	2022-04-04	Hard-T	mg/L	0.5	0.5	35.8	36.2	1.1	0.99
7SQR	2022-04-04	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
7SQR	2022-04-04	K-D	mg/L	0.05	0.05	0.236	0.236	0.0	1.00
7SQR	2022-04-04	K-T	mg/L	0.05	0.05	0.235	0.232	1.3	1.01
7SQR	2022-04-04	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
7SQR	2022-04-04	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
7SQR	2022-04-04	Mg-D	mg/L	0.05	0.05	1.63	1.65	1.2	0.99
7SQR	2022-04-04	Mg-T	mg/L	0.05	0.05	1.64	1.62	1.2	1.01
7SQR	2022-04-04	Mn-D	mg/L	0.001	0.001	0.0051	0.0051	0.0	1.00
7SQR	2022-04-04	Mn-T	mg/L	0.001	0.001	0.0071	0.0068	4.3	1.04
7SQR	2022-04-04	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	Na-D	mg/L	0.05	0.05	12.6	12.5	0.8	1.01
7SQR	2022-04-04	Na-T	mg/L	0.05	0.05	12.3	12.2	0.8	1.01
7SQR	2022-04-04	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
7SQR	2022-04-04	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
7SQR	2022-04-04	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
7SQR	2022-04-04	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
7SQR	2022-04-04	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
7SQR	2022-04-04	S-D	mg/L	3	3	8.9	8.8	1.1	1.01
7SQR	2022-04-04	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
7SQR	2022-04-04	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
7SQR	2022-04-04	Si-D	mg/L	0.1	0.1	2.56	2.66	3.8	0.96
7SQR	2022-04-04	Si-T	mg/L	0.1	0.1	2.68	2.69	0.4	1.00
7SQR	2022-04-04	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	SO4-D	mg/L	1	1	30	30	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
7SQR	2022-04-04	Sr-D	mg/L	0.001	0.001	0.0660	0.0662	0.3	1.00
7SQR	2022-04-04	Sr-T	mg/L	0.001	0.001	0.0684	0.0679	0.7	1.01
7SQR	2022-04-04	S-T	mg/L	3	3	9.5	8.8	7.7	1.08
7SQR	2022-04-04	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
7SQR	2022-04-04	Ti-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
7SQR	2022-04-04	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
7SQR	2022-04-04	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
7SQR	2022-04-04	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
7SQR	2022-04-04	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
7SQR	2022-04-04	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
7SQR	2022-04-04	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
BCR	2022-05-16	Cond-L	uS/cm	2	2	1300	1300	0.0	1.00
BCR	2022-05-16	H2S	mg/L	0.19	0.19	30	30	0.0	1.00
BCR	2022-05-16	S2-T	mg/L	0.18	0.18	28	29	3.5	0.97
BCR	2022-05-16	SO4-D	mg/L	10	10	360	410	13.0	0.88
INF	2022-04-11	Cond-L	uS/cm	2	2	1400	1400	0.0	1.00
INF	2022-04-11	H2S	mg/L	0.0019	0.0019	<0.0019	<0.0019	0.0	1.00
INF	2022-04-11	S2-T	mg/L	0.0018	0.0018	<0.0018	<0.0018	0.0	1.00
INF	2022-04-11	SO4-D	mg/L	10	10	500	470	6.2	1.06
LLE	2022-05-24	Cond-L	uS/cm	2	2	310	320	3.2	0.97
LLE	2022-05-24	SO4-D	mg/L	1	1	120	120	0.0	1.00
LLE	2022-06-20	SO4-D	mg/L	1	1	190	190	0.0	1.00
LLM1	2022-04-13	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LLM1	2022-04-13	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LLM1	2022-04-13	Al-D	mg/L	0.003	0.003	0.0299	0.0291	2.7	1.03
LLM1	2022-04-13	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLM1	2022-04-13	Alk-T	mg/L	1	1	18	17	5.7	1.06
LLM1	2022-04-13	Al-T	mg/L	0.003	0.003	0.0391	0.0378	3.4	1.03
LLM1	2022-04-13	As-D	mg/L	0.0001	0.0001	0.00027	0.00028	3.6	0.96
LLM1	2022-04-13	As-T	mg/L	0.0001	0.0001	0.00031	0.00032	3.2	0.97
LLM1	2022-04-13	Ba-D	mg/L	0.001	0.001	0.0028	0.0029	3.5	0.97
LLM1	2022-04-13	Ba-T	mg/L	0.001	0.001	0.0029	0.0029	0.0	1.00
LLM1	2022-04-13	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LLM1	2022-04-13	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM1	2022-04-13	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM1	2022-04-13	Bicarb	mg/L	1	1	22	21	4.7	1.05
LLM1	2022-04-13	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LLM1	2022-04-13	Ca-D	mg/L	0.05	0.05	12.7	12.9	1.6	0.98
LLM1	2022-04-13	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLM1	2022-04-13	Ca-T	mg/L	0.05	0.05	12.7	13.1	3.1	0.97
LLM1	2022-04-13	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM1	2022-04-13	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM1	2022-04-13	Cl-D	mg/L	10	1	<1.0	1.1	9.5	0.91
LLM1	2022-04-13	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLM1	2022-04-13	Cond-L	uS/cm	2	2	110	110	0.0	1.00
LLM1	2022-04-13	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLM1	2022-04-13	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	Cu-D	mg/L	0.0002	0.0002	0.00041	0.00046	11.5	0.89
LLM1	2022-04-13	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLM1	2022-04-13	DOC	mg/L	0.5	0.5	2.2	2.4	8.7	0.92
LLM1	2022-04-13	Fe-D	mg/L	0.005	0.005	0.0423	0.0420	0.7	1.01
LLM1	2022-04-13	Fe-T	mg/L	0.01	0.01	0.064	0.066	3.1	0.97
LLM1	2022-04-13	Hard-D	mg/L	0.5	0.5	38.8	39.7	2.3	0.98
LLM1	2022-04-13	Hard-T	mg/L	0.5	0.5	38.5	39.4	2.3	0.98
LLM1	2022-04-13	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLM1	2022-04-13	K-D	mg/L	0.05	0.05	0.167	0.172	2.9	0.97
LLM1	2022-04-13	K-T	mg/L	0.05	0.05	0.163	0.161	1.2	1.01
LLM1	2022-04-13	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LLM1	2022-04-13	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
LLM1	2022-04-13	Mg-D	mg/L	0.05	0.05	1.71	1.79	4.6	0.96
LLM1	2022-04-13	Mg-T	mg/L	0.05	0.05	1.65	1.63	1.2	1.01
LLM1	2022-04-13	Mn-D	mg/L	0.001	0.001	0.0131	0.0133	1.5	0.98
LLM1	2022-04-13	Mn-T	mg/L	0.001	0.001	0.0147	0.0150	2.0	0.98
LLM1	2022-04-13	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	Na-D	mg/L	0.05	0.05	4.14	4.20	1.4	0.99
LLM1	2022-04-13	Na-T	mg/L	0.05	0.05	4.05	4.05	0.0	1.00
LLM1	2022-04-13	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM1	2022-04-13	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LLM1	2022-04-13	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LLM1	2022-04-13	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLM1	2022-04-13	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLM1	2022-04-13	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LLM1	2022-04-13	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LLM1	2022-04-13	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLM1	2022-04-13	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLM1	2022-04-13	S-D	mg/L	3	3	9.7	10.2	5.0	0.95
LLM1	2022-04-13	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM1	2022-04-13	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM1	2022-04-13	Si-D	mg/L	0.1	0.1	3.72	3.80	2.1	0.98
LLM1	2022-04-13	Si-T	mg/L	0.1	0.1	3.81	3.99	4.6	0.95
LLM1	2022-04-13	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	SO4-D	mg/L	10	1	32	26	20.7	1.23
LLM1	2022-04-13	Sr-D	mg/L	0.001	0.001	0.0800	0.0807	0.9	0.99
LLM1	2022-04-13	Sr-T	mg/L	0.001	0.001	0.0816	0.0811	0.6	1.01
LLM1	2022-04-13	S-T	mg/L	3	3	9.6	9.3	3.2	1.03
LLM1	2022-04-13	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM1	2022-04-13	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM1	2022-04-13	Turb	NTU	0.1	0.1	0.38	0.31	20.3	1.23
LLM1	2022-04-13	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM1	2022-04-13	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM1	2022-04-13	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM1	2022-04-13	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM1	2022-04-13	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LLM4	2022-05-03	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LLM4	2022-05-03	Al-D	mg/L	0.003	0.003	0.0241	0.0256	6.0	0.94
LLM4	2022-05-03	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLM4	2022-05-03	Alk-T	mg/L	1	1	23	27	16.0	0.85
LLM4	2022-05-03	Al-T	mg/L	0.003	0.003	0.0320	0.0314	1.9	1.02
LLM4	2022-05-03	As-D	mg/L	0.0001	0.0001	0.00029	0.00026	10.9	1.12
LLM4	2022-05-03	As-T	mg/L	0.0001	0.0001	0.00029	0.00027	7.1	1.07
LLM4	2022-05-03	Ba-D	mg/L	0.001	0.001	0.0038	0.0039	2.6	0.97
LLM4	2022-05-03	Ba-T	mg/L	0.001	0.001	0.0039	0.0039	0.0	1.00
LLM4	2022-05-03	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LLM4	2022-05-03	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	Bicarb	mg/L	1	1	28	33	16.4	0.85
LLM4	2022-05-03	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LLM4	2022-05-03	Ca-D	mg/L	0.05	0.05	16.7	20.0	18.0	0.84
LLM4	2022-05-03	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLM4	2022-05-03	Ca-T	mg/L	0.05	0.05	16.8	20.0	17.4	0.84
LLM4	2022-05-03	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM4	2022-05-03	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM4	2022-05-03	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLM4	2022-05-03	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
LLM4	2022-05-03	Cond-L	uS/cm	2	2	140	160	13.3	0.88
LLM4	2022-05-03	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLM4	2022-05-03	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	Cu-D	mg/L	0.0002	0.0002	0.00039	0.00037	5.3	1.05
LLM4	2022-05-03	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLM4	2022-05-03	DOC	mg/L	0.5	0.5	3.0	3.0	0.0	1.00
LLM4	2022-05-03	Fe-D	mg/L	0.005	0.005	0.0374	0.0345	8.1	1.08
LLM4	2022-05-03	Fe-T	mg/L	0.01	0.01	0.062	0.057	8.4	1.09
LLM4	2022-05-03	Hard-D	mg/L	0.5	0.5	51.1	60.7	17.2	0.84
LLM4	2022-05-03	Hard-T	mg/L	0.5	0.5	51.3	60.2	16.0	0.85
LLM4	2022-05-03	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLM4	2022-05-03	K-D	mg/L	0.05	0.05	0.189	0.234	21.3	0.81
LLM4	2022-05-03	K-T	mg/L	0.05	0.05	0.212	0.252	17.2	0.84
LLM4	2022-05-03	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LLM4	2022-05-03	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LLM4	2022-05-03	Mg-D	mg/L	0.05	0.05	2.27	2.59	13.2	0.88
LLM4	2022-05-03	Mg-T	mg/L	0.05	0.05	2.26	2.46	8.5	0.92
LLM4	2022-05-03	Mn-D	mg/L	0.001	0.001	0.0082	0.0099	18.8	0.83
LLM4	2022-05-03	Mn-T	mg/L	0.001	0.001	0.0097	0.0117	18.7	0.83
LLM4	2022-05-03	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	Na-D	mg/L	0.05	0.05	4.81	6.25	26.0	0.77
LLM4	2022-05-03	Na-T	mg/L	0.05	0.05	5.03	6.29	22.3	0.80
LLM4	2022-05-03	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLM4	2022-05-03	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LLM4	2022-05-03	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LLM4	2022-05-03	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLM4	2022-05-03	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLM4	2022-05-03	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LLM4	2022-05-03	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LLM4	2022-05-03	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLM4	2022-05-03	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLM4	2022-05-03	S-D	mg/L	3	3	12.8	16.7	26.4	0.77
LLM4	2022-05-03	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	Si-D	mg/L	0.1	0.1	3.50	3.63	3.6	0.96
LLM4	2022-05-03	Si-T	mg/L	0.1	0.1	3.11	3.25	4.4	0.96
LLM4	2022-05-03	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	SO4-D	mg/L	1	1	40	49	20.2	0.82
LLM4	2022-05-03	Sr-D	mg/L	0.001	0.001	0.105	0.137	26.4	0.77
LLM4	2022-05-03	Sr-T	mg/L	0.001	0.001	0.113	0.139	20.6	0.81
LLM4	2022-05-03	S-T	mg/L	3	3	12.6	14.5	14.0	0.87
LLM4	2022-05-03	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM4	2022-05-03	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLM4	2022-05-03	Turb	NTU	0.1	0.1	0.31	0.31	0.0	1.00
LLM4	2022-05-03	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLM4	2022-05-03	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLM4	2022-05-03	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLO	2022-04-25	Acidity83	mg/L	1	1	1.0	1.1	9.5	0.91
LLO	2022-04-25	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LLO	2022-04-25	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LLO	2022-04-25	Al-D	mg/L	0.003	0.003	0.0287	0.0285	0.7	1.01
LLO	2022-04-25	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLO	2022-04-25	Alk-T	mg/L	1	1	16	16	0.0	1.00
LLO	2022-04-25	Al-T	mg/L	0.003	0.003	0.0363	0.0360	0.8	1.01

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
LLO	2022-04-25	As-D	mg/L	0.0001	0.0001	0.00025	0.00026	3.9	0.96
LLO	2022-04-25	As-T	mg/L	0.0001	0.0001	0.00030	0.00027	10.5	1.11
LLO	2022-04-25	Ba-D	mg/L	0.001	0.001	0.0025	0.0025	0.0	1.00
LLO	2022-04-25	Ba-T	mg/L	0.001	0.001	0.0026	0.0026	0.0	1.00
LLO	2022-04-25	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LLO	2022-04-25	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	Bicarb	mg/L	1	1	20	20	0.0	1.00
LLO	2022-04-25	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LLO	2022-04-25	Ca-D	mg/L	0.05	0.05	9.96	10.0	0.4	1.00
LLO	2022-04-25	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLO	2022-04-25	Ca-T	mg/L	0.05	0.05	10.6	10.3	2.9	1.03
LLO	2022-04-25	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLO	2022-04-25	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLO	2022-04-25	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLO	2022-04-25	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLO	2022-04-25	Cond-L	uS/cm	2	2	85	85	0.0	1.00
LLO	2022-04-25	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLO	2022-04-25	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	Cu-D	mg/L	0.0002	0.0002	0.00037	0.00038	2.7	0.97
LLO	2022-04-25	Cu-T	mg/L	0.0005	0.0005	0.00060	<0.00050	18.2	1.20
LLO	2022-04-25	DOC	mg/L	0.5	0.5	2.4	2.2	8.7	1.09
LLO	2022-04-25	Fe-D	mg/L	0.005	0.005	0.0339	0.0334	1.5	1.01
LLO	2022-04-25	Fe-T	mg/L	0.01	0.01	0.061	0.058	5.0	1.05
LLO	2022-04-25	Hard-D	mg/L	0.5	0.5	30.7	30.9	0.6	0.99
LLO	2022-04-25	Hard-T	mg/L	0.5	0.5	33.0	31.9	3.4	1.03
LLO	2022-04-25	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLO	2022-04-25	K-D	mg/L	0.05	0.05	0.126	0.129	2.4	0.98
LLO	2022-04-25	K-T	mg/L	0.05	0.05	0.137	0.132	3.7	1.04
LLO	2022-04-25	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LLO	2022-04-25	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LLO	2022-04-25	Mg-D	mg/L	0.05	0.05	1.41	1.43	1.4	0.99
LLO	2022-04-25	Mg-T	mg/L	0.05	0.05	1.60	1.50	6.5	1.07
LLO	2022-04-25	Mn-D	mg/L	0.001	0.001	0.0048	0.0050	4.1	0.96
LLO	2022-04-25	Mn-T	mg/L	0.001	0.001	0.0071	0.0069	2.9	1.03
LLO	2022-04-25	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	Na-D	mg/L	0.05	0.05	2.87	2.92	1.7	0.98
LLO	2022-04-25	Na-T	mg/L	0.05	0.05	3.07	2.97	3.3	1.03
LLO	2022-04-25	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LLO	2022-04-25	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLO	2022-04-25	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LLO	2022-04-25	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLO	2022-04-25	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LLO	2022-04-25	S-D	mg/L	3	3	6.5	6.5	0.0	1.00
LLO	2022-04-25	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	Si-D	mg/L	0.1	0.1	3.38	3.38	0.0	1.00
LLO	2022-04-25	Si-T	mg/L	0.1	0.1	3.54	3.50	1.1	1.01
LLO	2022-04-25	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLO	2022-04-25	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLO	2022-04-25	SO4-D	mg/L	1	1	22	22	0.0	1.00
LLO	2022-04-25	Sr-D	mg/L	0.001	0.001	0.0591	0.0593	0.3	1.00
LLO	2022-04-25	Sr-T	mg/L	0.001	0.001	0.0601	0.0562	6.7	1.07
LLO	2022-04-25	S-T	mg/L	3	3	6.7	6.6	1.5	1.02
LLO	2022-04-25	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLO	2022-04-25	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLO	2022-04-25	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLO	2022-04-25	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LLO	2022-04-25	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
LLO	2022-04-25	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
LLO	2022-04-25	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLO	2022-04-25	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLO	2022-04-25	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LLO	2022-04-25	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LLO	2022-04-25	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-04-21	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LQL4	2022-04-21	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LQL4	2022-04-21	Al-D	mg/L	0.003	0.003	0.0293	0.0282	3.8	1.04
LQL4	2022-04-21	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
LQL4	2022-04-21	Alk-T	mg/L	1	1	29	28	3.5	1.04
LQL4	2022-04-21	Al-T	mg/L	0.003	0.003	0.0368	0.0384	4.3	0.96
LQL4	2022-04-21	As-D	mg/L	0.0001	0.0001	0.00062	0.00060	3.3	1.03
LQL4	2022-04-21	As-T	mg/L	0.0001	0.0001	0.00066	0.00069	4.4	0.96
LQL4	2022-04-21	Ba-D	mg/L	0.001	0.001	0.0031	0.0031	0.0	1.00
LQL4	2022-04-21	Ba-T	mg/L	0.001	0.001	0.0033	0.0033	0.0	1.00
LQL4	2022-04-21	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LQL4	2022-04-21	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-04-21	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-04-21	Bicarb	mg/L	1	1	35	34	2.9	1.03
LQL4	2022-04-21	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LQL4	2022-04-21	Ca-D	mg/L	0.05	0.05	9.66	9.81	1.5	0.98
LQL4	2022-04-21	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
LQL4	2022-04-21	Ca-T	mg/L	0.05	0.05	9.97	10.2	2.3	0.98
LQL4	2022-04-21	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-04-21	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-04-21	Cl-D	mg/L	1	1	2.1	2.2	4.7	0.95
LQL4	2022-04-21	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-04-21	Cond-L	uS/cm	2	2	98	99	1.0	0.99
LQL4	2022-04-21	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-04-21	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	Cu-D	mg/L	0.0002	0.0002	0.00055	0.00052	5.6	1.06
LQL4	2022-04-21	Cu-T	mg/L	0.0005	0.0005	0.00055	0.00056	1.8	0.98
LQL4	2022-04-21	DOC	mg/L	0.5	0.5	1.8	2.6	36.4	0.69
LQL4	2022-04-21	Fe-D	mg/L	0.005	0.005	0.0540	0.0526	2.6	1.03
LQL4	2022-04-21	Fe-T	mg/L	0.01	0.01	0.087	0.087	0.0	1.00
LQL4	2022-04-21	Hard-D	mg/L	0.5	0.5	29.4	29.8	1.4	0.99
LQL4	2022-04-21	Hard-T	mg/L	0.5	0.5	30.3	30.9	2.0	0.98
LQL4	2022-04-21	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
LQL4	2022-04-21	K-D	mg/L	0.05	0.05	0.200	0.196	2.0	1.02
LQL4	2022-04-21	K-T	mg/L	0.05	0.05	0.191	0.202	5.6	0.95
LQL4	2022-04-21	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LQL4	2022-04-21	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LQL4	2022-04-21	Mg-D	mg/L	0.05	0.05	1.29	1.29	0.0	1.00
LQL4	2022-04-21	Mg-T	mg/L	0.05	0.05	1.31	1.35	3.0	0.97
LQL4	2022-04-21	Mn-D	mg/L	0.001	0.001	0.0034	0.0033	3.0	1.03
LQL4	2022-04-21	Mn-T	mg/L	0.001	0.001	0.0049	0.0049	0.0	1.00
LQL4	2022-04-21	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	Na-D	mg/L	0.05	0.05	7.95	7.93	0.3	1.00
LQL4	2022-04-21	Na-T	mg/L	0.05	0.05	7.80	8.10	3.8	0.96
LQL4	2022-04-21	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-04-21	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LQL4	2022-04-21	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LQL4	2022-04-21	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-04-21	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-04-21	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LQL4	2022-04-21	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LQL4	2022-04-21	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LQL4	2022-04-21	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LQL4	2022-04-21	S-D	mg/L	3	3	6.0	6.5	8.0	0.92
LQL4	2022-04-21	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-04-21	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
LQL4	2022-04-21	Si-D	mg/L	0.1	0.1	2.84	2.87	1.1	0.99
LQL4	2022-04-21	Si-T	mg/L	0.1	0.1	3.12	3.16	1.3	0.99
LQL4	2022-04-21	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	SO4-D	mg/L	1	1	20	20	0.0	1.00
LQL4	2022-04-21	Sr-D	mg/L	0.001	0.001	0.0493	0.0500	1.4	0.99
LQL4	2022-04-21	Sr-T	mg/L	0.001	0.001	0.0510	0.0514	0.8	0.99
LQL4	2022-04-21	S-T	mg/L	3	3	5.8	6.8	15.9	0.85
LQL4	2022-04-21	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-04-21	Ti-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-04-21	Turb	NTU	0.1	0.1	0.55	0.44	22.2	1.25
LQL4	2022-04-21	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-04-21	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-04-21	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-04-21	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-04-21	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LQL4	2022-05-04	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
LQL4	2022-05-04	Al-D	mg/L	0.003	0.003	0.0286	0.0305	6.4	0.94
LQL4	2022-05-04	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
LQL4	2022-05-04	Alk-T	mg/L	1	1	30	30	0.0	1.00
LQL4	2022-05-04	Al-T	mg/L	0.003	0.003	0.0373	0.0414	10.4	0.90
LQL4	2022-05-04	As-D	mg/L	0.0001	0.0001	0.00061	0.00065	6.3	0.94
LQL4	2022-05-04	As-T	mg/L	0.0001	0.0001	0.00063	0.00064	1.6	0.98
LQL4	2022-05-04	Ba-D	mg/L	0.001	0.001	0.0032	0.0033	3.1	0.97
LQL4	2022-05-04	Ba-T	mg/L	0.001	0.001	0.0034	0.0032	6.1	1.06
LQL4	2022-05-04	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LQL4	2022-05-04	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	Bicarb	mg/L	1	1	37	37	0.0	1.00
LQL4	2022-05-04	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-05-04	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-05-04	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
LQL4	2022-05-04	Ca-D	mg/L	0.05	0.05	9.96	9.92	0.4	1.00
LQL4	2022-05-04	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
LQL4	2022-05-04	Ca-T	mg/L	0.05	0.05	9.96	9.83	1.3	1.01
LQL4	2022-05-04	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-05-04	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-05-04	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
LQL4	2022-05-04	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-05-04	Cond-L	uS/cm	2	2	97	95	2.1	1.02
LQL4	2022-05-04	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-05-04	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-05-04	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-05-04	Cu-D	mg/L	0.0002	0.0002	0.00054	0.00053	1.9	1.02
LQL4	2022-05-04	Cu-T	mg/L	0.0005	0.0005	0.00054	0.00057	5.4	0.95
LQL4	2022-05-04	DOC	mg/L	0.5	0.5	2.8	2.6	7.4	1.08
LQL4	2022-05-04	Fe-D	mg/L	0.005	0.005	0.0459	0.0468	1.9	0.98
LQL4	2022-05-04	Fe-T	mg/L	0.01	0.01	0.078	0.084	7.4	0.93
LQL4	2022-05-04	Hard-D	mg/L	0.5	0.5	29.7	29.5	0.7	1.01
LQL4	2022-05-04	Hard-T	mg/L	0.5	0.5	30.3	29.6	2.3	1.02
LQL4	2022-05-04	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
LQL4	2022-05-04	K-D	mg/L	0.05	0.05	0.192	0.190	1.0	1.01
LQL4	2022-05-04	K-T	mg/L	0.05	0.05	0.206	0.200	3.0	1.03
LQL4	2022-05-04	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LQL4	2022-05-04	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
LQL4	2022-05-04	Mg-D	mg/L	0.05	0.05	1.17	1.14	2.6	1.03
LQL4	2022-05-04	Mg-T	mg/L	0.05	0.05	1.31	1.23	6.3	1.07
LQL4	2022-05-04	Mn-D	mg/L	0.001	0.001	0.0027	0.0030	10.5	0.90
LQL4	2022-05-04	Mn-T	mg/L	0.001	0.001	0.0045	0.0047	4.3	0.96
LQL4	2022-05-04	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-05-04	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
LQL4	2022-05-04	Na-D	mg/L	0.05	0.05	7.51	7.34	2.3	1.02
LQL4	2022-05-04	Na-T	mg/L	0.05	0.05	7.59	7.16	5.8	1.06
LQL4	2022-05-04	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-05-04	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
LQL4	2022-05-04	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LQL4	2022-05-04	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
LQL4	2022-05-04	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-05-04	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
LQL4	2022-05-04	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LQL4	2022-05-04	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
LQL4	2022-05-04	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LQL4	2022-05-04	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
LQL4	2022-05-04	S-D	mg/L	3	3	5.8	5.0	14.8	1.16
LQL4	2022-05-04	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	Si-D	mg/L	0.1	0.1	3.00	3.10	3.3	0.97
LQL4	2022-05-04	Si-T	mg/L	0.1	0.1	2.84	2.72	4.3	1.04
LQL4	2022-05-04	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	SO4-D	mg/L	1	1	17	16	6.1	1.06
LQL4	2022-05-04	Sr-D	mg/L	0.001	0.001	0.0498	0.0496	0.4	1.00
LQL4	2022-05-04	Sr-T	mg/L	0.001	0.001	0.0463	0.0444	4.2	1.04
LQL4	2022-05-04	S-T	mg/L	3	3	4.6	4.4	4.4	1.05
LQL4	2022-05-04	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-05-04	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
LQL4	2022-05-04	Turb	NTU	0.1	0.1	0.34	0.35	2.9	0.97
LQL4	2022-05-04	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
LQL4	2022-05-04	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
LQL4	2022-05-04	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
MW002	2022-05-11	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW002	2022-05-11	Acidity83	mg/L	1	1	23.5	19.2	20.1	1.22
MW002	2022-05-11	Ag-D	mg/L	0.00004	0.00004	<0.000040	<0.000040	0.0	1.00
MW002	2022-05-11	Al-D	mg/L	0.006	0.006	<0.0060	<0.0060	0.0	1.00
MW002	2022-05-11	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW002	2022-05-11	Alk-T	mg/L	1	1	280	290	3.5	0.97
MW002	2022-05-11	As-D	mg/L	0.0002	0.0002	0.00199	0.00213	6.8	0.93
MW002	2022-05-11	Ba-D	mg/L	0.002	0.002	0.0149	0.0146	2.0	1.02
MW002	2022-05-11	B-D	mg/L	0.1	0.1	0.77	0.80	3.8	0.96
MW002	2022-05-11	Be-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
MW002	2022-05-11	Bicarb	mg/L	1	1	340	350	2.9	0.97
MW002	2022-05-11	Bi-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
MW002	2022-05-11	Br-D	mg/L	0.05	0.05	0.15	0.17	12.5	0.88
MW002	2022-05-11	Ca-D	mg/L	0.1	0.1	498	504	1.2	0.99
MW002	2022-05-11	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW002	2022-05-11	Cd-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
MW002	2022-05-11	Cl-D	mg/L	1	1	1.6	1.6	0.0	1.00
MW002	2022-05-11	Co-D	mg/L	0.0004	0.0004	0.00326	0.00313	4.1	1.04
MW002	2022-05-11	Cr-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
MW002	2022-05-11	Cu-D	mg/L	0.0004	0.0004	<0.00040	<0.00040	0.0	1.00
MW002	2022-05-11	DOC	mg/L	0.5	0.5	0.79	0.83	4.9	0.95
MW002	2022-05-11	F-D	mg/L	0.05	0.05	0.13	0.12	8.0	1.08
MW002	2022-05-11	Fe-D	mg/L	0.01	0.01	4.94	4.89	1.0	1.01
MW002	2022-05-11	H2S	mg/L	0.002	0.002	0.0036	<0.0020	57.1	1.80
MW002	2022-05-11	Hard-D	mg/L	0.5	0.5	1450	1460	0.7	0.99
MW002	2022-05-11	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW002	2022-05-11	K-D	mg/L	0.1	0.1	5.46	5.46	0.0	1.00
MW002	2022-05-11	Li-D	mg/L	0.004	0.004	0.0135	0.0132	2.2	1.02
MW002	2022-05-11	Mg-D	mg/L	0.1	0.1	49.9	48.7	2.4	1.02
MW002	2022-05-11	Mn-D	mg/L	0.002	0.002	1.73	1.69	2.3	1.02

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
MW002	2022-05-11	Mo-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
MW002	2022-05-11	Na-D	mg/L	0.1	0.1	53.2	51.5	3.2	1.03
MW002	2022-05-11	N-D	mg/L	0.02	0.02	0.225	0.196	13.8	1.15
MW002	2022-05-11	Ni-D	mg/L	0.002	0.002	0.0023	0.0022	4.4	1.05
MW002	2022-05-11	Pb-D	mg/L	0.0004	0.0004	<0.00040	<0.00040	0.0	1.00
MW002	2022-05-11	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
MW002	2022-05-11	S2-T	mg/L	0.0018	0.0018	0.0033	<0.0018	58.8	1.83
MW002	2022-05-11	Sb-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
MW002	2022-05-11	S-D	mg/L	6	6	436	436	0.0	1.00
MW002	2022-05-11	Se-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
MW002	2022-05-11	Si-D	mg/L	0.2	0.2	3.58	3.79	5.7	0.94
MW002	2022-05-11	Sn-D	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
MW002	2022-05-11	SO4-D	mg/L	10	10	1300	1300	0.0	1.00
MW002	2022-05-11	Sr-D	mg/L	0.002	0.002	4.57	4.60	0.7	0.99
MW002	2022-05-11	Ti-D	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
MW002	2022-05-11	Ti-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
MW002	2022-05-11	Turb	NTU	0.1	0.1	52	52	0.0	1.00
MW002	2022-05-11	U-D	mg/L	0.0002	0.0002	0.00043	0.00042	2.4	1.02
MW002	2022-05-11	V-D	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
MW002	2022-05-11	Zn-D	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
MW002	2022-05-11	Zr-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
MW004	2022-05-19	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW004	2022-05-19	Acidity83	mg/L	1	1	3.2	3.3	3.1	0.97
MW004	2022-05-19	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
MW004	2022-05-19	Al-D	mg/L	0.003	0.003	0.0185	0.0172	7.3	1.08
MW004	2022-05-19	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW004	2022-05-19	Alk-T	mg/L	1	1	94	95	1.1	0.99
MW004	2022-05-19	As-D	mg/L	0.0001	0.0001	0.00026	0.00027	3.8	0.96
MW004	2022-05-19	Ba-D	mg/L	0.001	0.001	0.0178	0.0178	0.0	1.00
MW004	2022-05-19	B-D	mg/L	0.05	0.05	0.174	0.183	5.0	0.95
MW004	2022-05-19	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
MW004	2022-05-19	Bicarb	mg/L	1	1	110	120	8.7	0.92
MW004	2022-05-19	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
MW004	2022-05-19	Br-D	mg/L	0.01	0.01	0.046	0.051	10.3	0.90
MW004	2022-05-19	Ca-D	mg/L	0.05	0.05	125	127	1.6	0.98
MW004	2022-05-19	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW004	2022-05-19	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
MW004	2022-05-19	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW004	2022-05-19	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
MW004	2022-05-19	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
MW004	2022-05-19	Cu-D	mg/L	0.0002	0.0002	0.00112	0.00110	1.8	1.02
MW004	2022-05-19	DOC	mg/L	0.5	0.5	1.8	1.9	5.4	0.95
MW004	2022-05-19	F-D	mg/L	0.05	0.05	0.066	0.080	19.2	0.82
MW004	2022-05-19	Fe-D	mg/L	0.005	0.005	0.0094	0.0089	5.5	1.06
MW004	2022-05-19	H2S	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
MW004	2022-05-19	Hard-D	mg/L	0.5	0.5	378	381	0.8	0.99
MW004	2022-05-19	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW004	2022-05-19	K-D	mg/L	0.05	0.05	1.14	1.12	1.8	1.02
MW004	2022-05-19	Li-D	mg/L	0.002	0.002	0.0046	0.0047	2.2	0.98
MW004	2022-05-19	Mg-D	mg/L	0.05	0.05	16.0	15.7	1.9	1.02
MW004	2022-05-19	Mn-D	mg/L	0.001	0.001	0.0092	0.0094	2.2	0.98
MW004	2022-05-19	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
MW004	2022-05-19	Na-D	mg/L	0.05	0.05	22.2	22.9	3.1	0.97
MW004	2022-05-19	N-D	mg/L	0.02	0.02	0.185	0.207	11.2	0.89
MW004	2022-05-19	Ni-D	mg/L	0.001	0.001	0.0017	0.0017	0.0	1.00
MW004	2022-05-19	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
MW004	2022-05-19	P-D	mg/L	0.003	0.003	<0.0030	0.015	133.3	0.20
MW004	2022-05-19	S2-T	mg/L	0.0018	0.0018	<0.0018	<0.0018	0.0	1.00
MW004	2022-05-19	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
MW004	2022-05-19	S-D	mg/L	3	3	110	111	0.9	0.99
MW004	2022-05-19	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
MW004	2022-05-19	Si-D	mg/L	0.1	0.1	3.30	3.45	4.4	0.96
MW004	2022-05-19	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW004	2022-05-19	SO4-D	mg/L	10	10	240	270	11.8	0.89
MW004	2022-05-19	Sr-D	mg/L	0.001	0.001	0.871	0.866	0.6	1.01
MW004	2022-05-19	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW004	2022-05-19	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
MW004	2022-05-19	Turb	NTU	0.1	0.1	2.2	1.8	20.0	1.22
MW004	2022-05-19	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
MW004	2022-05-19	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW004	2022-05-19	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW004	2022-05-19	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
MW006S	2022-06-20	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW006S	2022-06-20	Acidity83	mg/L	1	1	1.6	1.9	17.1	0.84
MW006S	2022-06-20	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
MW006S	2022-06-20	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
MW006S	2022-06-20	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW006S	2022-06-20	Alk-T	mg/L	1	1	160	150	6.5	1.07
MW006S	2022-06-20	As-D	mg/L	0.0001	0.0001	0.00172	0.00176	2.3	0.98
MW006S	2022-06-20	Ba-D	mg/L	0.001	0.001	0.0304	0.0303	0.3	1.00
MW006S	2022-06-20	B-D	mg/L	0.05	0.05	0.151	0.159	5.2	0.95
MW006S	2022-06-20	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
MW006S	2022-06-20	Bicarb	mg/L	1	1	190	190	0.0	1.00
MW006S	2022-06-20	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
MW006S	2022-06-20	Br-D	mg/L	0.01	0.01	0.12	0.12	0.0	1.00
MW006S	2022-06-20	Ca-D	mg/L	0.05	0.05	124	128	3.2	0.97
MW006S	2022-06-20	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW006S	2022-06-20	Cd-D	mg/L	0.00001	0.00001	0.000024	0.000028	15.4	0.86
MW006S	2022-06-20	Cl-D	mg/L	1	1	3.6	4.0	10.5	0.90
MW006S	2022-06-20	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
MW006S	2022-06-20	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
MW006S	2022-06-20	Cu-D	mg/L	0.0002	0.0002	0.00060	0.00057	5.1	1.05
MW006S	2022-06-20	DOC	mg/L	0.5	0.5	1.7	1.7	0.0	1.00
MW006S	2022-06-20	F-D	mg/L	0.05	0.05	0.060	0.063	4.9	0.95
MW006S	2022-06-20	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW006S	2022-06-20	H2S	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
MW006S	2022-06-20	Hard-D	mg/L	0.5	0.5	358	371	3.6	0.96
MW006S	2022-06-20	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
MW006S	2022-06-20	K-D	mg/L	0.05	0.05	2.14	2.14	0.0	1.00
MW006S	2022-06-20	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
MW006S	2022-06-20	Mg-D	mg/L	0.05	0.05	12.0	12.3	2.5	0.98
MW006S	2022-06-20	Mn-D	mg/L	0.001	0.001	0.0521	0.103	65.6	0.51
MW006S	2022-06-20	Mo-D	mg/L	0.001	0.001	0.0299	0.0296	1.0	1.01
MW006S	2022-06-20	Na-D	mg/L	0.05	0.05	146	147	0.7	0.99
MW006S	2022-06-20	N-D	mg/L	0.02	0.02	0.531	0.559	5.1	0.95
MW006S	2022-06-20	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
MW006S	2022-06-20	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
MW006S	2022-06-20	P-D	mg/L	0.003	0.003	0.066	0.069	4.4	0.96
MW006S	2022-06-20	S2-T	mg/L	0.0018	0.0018	<0.0018	<0.0018	0.0	1.00
MW006S	2022-06-20	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
MW006S	2022-06-20	S-D	mg/L	3	3	182	186	2.2	0.98
MW006S	2022-06-20	Se-D	mg/L	0.0001	0.0001	0.00025	0.00027	7.7	0.93
MW006S	2022-06-20	Si-D	mg/L	0.1	0.1	4.85	4.86	0.2	1.00
MW006S	2022-06-20	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW006S	2022-06-20	SO4-D	mg/L	10	10	570	560	1.8	1.02
MW006S	2022-06-20	Sr-D	mg/L	0.001	0.001	0.741	0.763	2.9	0.97
MW006S	2022-06-20	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW006S	2022-06-20	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
MW006S	2022-06-20	Turb	NTU	0.1	0.1	0.34	0.21	47.3	1.62
MW006S	2022-06-20	U-D	mg/L	0.0001	0.0001	0.00761	0.00772	1.4	0.99
MW006S	2022-06-20	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW006S	2022-06-20	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
MW006S	2022-06-20	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-06	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNL1	2022-04-06	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNL1	2022-04-06	Al-D	mg/L	0.003	0.003	0.0369	0.0370	0.3	1.00
NNL1	2022-04-06	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-06	Alk-T	mg/L	1	1	9.7	11	12.6	0.88
NNL1	2022-04-06	Al-T	mg/L	0.003	0.003	0.0453	0.0470	3.7	0.96
NNL1	2022-04-06	As-D	mg/L	0.0001	0.0001	0.00024	0.00022	8.7	1.09
NNL1	2022-04-06	As-T	mg/L	0.0001	0.0001	0.00025	0.00025	0.0	1.00
NNL1	2022-04-06	Ba-D	mg/L	0.001	0.001	0.0011	0.0011	0.0	1.00
NNL1	2022-04-06	Ba-T	mg/L	0.001	0.001	0.0013	0.0012	8.0	1.08
NNL1	2022-04-06	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
NNL1	2022-04-06	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-06	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-06	Bicarb	mg/L	1	1	12	13	8.0	0.92
NNL1	2022-04-06	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNL1	2022-04-06	Ca-D	mg/L	0.05	0.05	3.81	3.62	5.1	1.05
NNL1	2022-04-06	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-06	Ca-T	mg/L	0.05	0.05	3.57	3.80	6.2	0.94
NNL1	2022-04-06	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-06	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-06	Chlr-a	ug/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-06	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-06	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-06	Cond-L	uS/cm	2	2	31	31	0.0	1.00
NNL1	2022-04-06	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-06	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	Cu-D	mg/L	0.0002	0.0002	0.00044	0.00053	18.6	0.83
NNL1	2022-04-06	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL1	2022-04-06	DOC	mg/L	0.5	0.5	2.7	2.6	3.8	1.04
NNL1	2022-04-06	Fe-D	mg/L	0.005	0.005	0.0490	0.0471	4.0	1.04
NNL1	2022-04-06	Fe-T	mg/L	0.01	0.01	0.080	0.083	3.7	0.96
NNL1	2022-04-06	Hard-D	mg/L	0.5	0.5	12.9	12.1	6.4	1.07
NNL1	2022-04-06	Hard-T	mg/L	0.5	0.5	12.0	12.7	5.7	0.94
NNL1	2022-04-06	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-06	K-D	mg/L	0.05	0.05	0.057	0.056	1.8	1.02
NNL1	2022-04-06	K-T	mg/L	0.05	0.05	0.057	0.060	5.1	0.95
NNL1	2022-04-06	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNL1	2022-04-06	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNL1	2022-04-06	Mg-D	mg/L	0.05	0.05	0.818	0.752	8.4	1.09
NNL1	2022-04-06	Mg-T	mg/L	0.05	0.05	0.743	0.774	4.1	0.96
NNL1	2022-04-06	Mn-D	mg/L	0.001	0.001	0.0110	0.0105	4.7	1.05
NNL1	2022-04-06	Mn-T	mg/L	0.001	0.001	0.0121	0.0127	4.8	0.95
NNL1	2022-04-06	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	Na-D	mg/L	0.05	0.05	1.01	0.970	4.0	1.04
NNL1	2022-04-06	Na-T	mg/L	0.05	0.05	0.998	1.03	3.2	0.97
NNL1	2022-04-06	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-06	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	N-NO23	mg/L	0.02	0.02	0.033	0.028	16.4	1.18
NNL1	2022-04-06	N-NO3	mg/L	0.02	0.02	0.033	0.028	16.4	1.18
NNL1	2022-04-06	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-06	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-06	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
NNL1	2022-04-06	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
NNL1	2022-04-06	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL1	2022-04-06	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL1	2022-04-06	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNL1	2022-04-06	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-06	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-06	Si-D	mg/L	0.1	0.1	3.72	3.55	4.7	1.05
NNL1	2022-04-06	Si-T	mg/L	0.1	0.1	3.36	3.49	3.8	0.96
NNL1	2022-04-06	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	SO4-D	mg/L	1	1	3.1	2.8	10.2	1.11
NNL1	2022-04-06	Sr-D	mg/L	0.001	0.001	0.0123	0.0114	7.6	1.08
NNL1	2022-04-06	Sr-T	mg/L	0.001	0.001	0.0118	0.0123	4.1	0.96
NNL1	2022-04-06	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNL1	2022-04-06	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-06	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-06	Turb	NTU	0.1	0.1	0.45	0.51	12.5	0.88
NNL1	2022-04-06	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-06	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
NNL1	2022-04-06	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-06	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-06	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-27	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNL1	2022-04-27	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNL1	2022-04-27	Al-D	mg/L	0.003	0.003	0.0302	0.0316	4.5	0.96
NNL1	2022-04-27	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-27	Alk-T	mg/L	1	1	10	10	0.0	1.00
NNL1	2022-04-27	Al-T	mg/L	0.003	0.003	0.0394	0.0379	3.9	1.04
NNL1	2022-04-27	As-D	mg/L	0.0001	0.0001	0.00021	0.00021	0.0	1.00
NNL1	2022-04-27	As-T	mg/L	0.0001	0.0001	0.00023	0.00024	4.3	0.96
NNL1	2022-04-27	Ba-D	mg/L	0.001	0.001	0.0011	0.0011	0.0	1.00
NNL1	2022-04-27	Ba-T	mg/L	0.001	0.001	0.0011	<0.0010	9.5	1.10
NNL1	2022-04-27	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNL1	2022-04-27	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-27	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-27	Bicarb	mg/L	1	1	13	13	0.0	1.00
NNL1	2022-04-27	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNL1	2022-04-27	Ca-D	mg/L	0.05	0.05	3.51	3.58	2.0	0.98
NNL1	2022-04-27	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-27	Ca-T	mg/L	0.05	0.05	3.53	3.47	1.7	1.02
NNL1	2022-04-27	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-27	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-27	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-27	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-27	Cond-L	uS/cm	2	2	29	29	0.0	1.00
NNL1	2022-04-27	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-27	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	Cu-D	mg/L	0.0002	0.0002	0.00045	0.00045	0.0	1.00
NNL1	2022-04-27	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL1	2022-04-27	DOC	mg/L	0.5	0.5	2.1	2.6	21.3	0.81
NNL1	2022-04-27	Fe-D	mg/L	0.005	0.005	0.0284	0.0296	4.1	0.96
NNL1	2022-04-27	Fe-T	mg/L	0.01	0.01	0.049	0.049	0.0	1.00
NNL1	2022-04-27	Hard-D	mg/L	0.5	0.5	11.7	11.9	1.7	0.98
NNL1	2022-04-27	Hard-T	mg/L	0.5	0.5	11.9	11.6	2.6	1.03
NNL1	2022-04-27	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL1	2022-04-27	K-D	mg/L	0.05	0.05	0.051	0.052	1.9	0.98
NNL1	2022-04-27	K-T	mg/L	0.05	0.05	0.052	<0.050	3.9	1.04
NNL1	2022-04-27	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNL1	2022-04-27	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNL1	2022-04-27	Mg-D	mg/L	0.05	0.05	0.723	0.732	1.2	0.99
NNL1	2022-04-27	Mg-T	mg/L	0.05	0.05	0.749	0.723	3.5	1.04
NNL1	2022-04-27	Mn-D	mg/L	0.001	0.001	0.0048	0.0049	2.1	0.98
NNL1	2022-04-27	Mn-T	mg/L	0.001	0.001	0.0058	0.0058	0.0	1.00
NNL1	2022-04-27	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	Na-D	mg/L	0.05	0.05	0.996	0.989	0.7	1.01
NNL1	2022-04-27	Na-T	mg/L	0.05	0.05	1.02	0.967	5.3	1.05
NNL1	2022-04-27	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL1	2022-04-27	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
NNL1	2022-04-27	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
NNL1	2022-04-27	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-27	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL1	2022-04-27	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
NNL1	2022-04-27	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
NNL1	2022-04-27	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL1	2022-04-27	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL1	2022-04-27	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNL1	2022-04-27	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
NNL1	2022-04-27	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-27	Si-D	mg/L	0.1	0.1	3.46	3.57	3.1	0.97
NNL1	2022-04-27	Si-T	mg/L	0.1	0.1	3.49	3.46	0.9	1.01
NNL1	2022-04-27	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	SO4-D	mg/L	1	1	2.8	2.8	0.0	1.00
NNL1	2022-04-27	Sr-D	mg/L	0.001	0.001	0.0115	0.0116	0.9	0.99
NNL1	2022-04-27	Sr-T	mg/L	0.001	0.001	0.0115	0.0110	4.4	1.05
NNL1	2022-04-27	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNL1	2022-04-27	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-27	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL1	2022-04-27	Turb	NTU	0.1	0.1	0.37	0.32	14.5	1.16
NNL1	2022-04-27	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-27	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-27	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL1	2022-04-27	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL1	2022-04-27	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNL4	2022-04-20	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNL4	2022-04-20	Al-D	mg/L	0.003	0.003	0.0342	0.0337	1.5	1.01
NNL4	2022-04-20	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL4	2022-04-20	Alk-T	mg/L	1	1	10	10	0.0	1.00
NNL4	2022-04-20	Al-T	mg/L	0.003	0.003	0.0403	0.0408	1.2	0.99
NNL4	2022-04-20	As-D	mg/L	0.0001	0.0001	0.00024	0.00023	4.3	1.04
NNL4	2022-04-20	As-T	mg/L	0.0001	0.0001	0.00024	0.00023	4.3	1.04
NNL4	2022-04-20	Ba-D	mg/L	0.001	0.001	0.0011	0.0011	0.0	1.00
NNL4	2022-04-20	Ba-T	mg/L	0.001	0.001	0.0011	0.0011	0.0	1.00
NNL4	2022-04-20	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNL4	2022-04-20	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	Bicarb	mg/L	1	1	13	13	0.0	1.00
NNL4	2022-04-20	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL4	2022-04-20	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL4	2022-04-20	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNL4	2022-04-20	Ca-D	mg/L	0.05	0.05	3.67	3.70	0.8	0.99
NNL4	2022-04-20	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL4	2022-04-20	Ca-T	mg/L	0.05	0.05	3.71	3.74	0.8	0.99
NNL4	2022-04-20	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL4	2022-04-20	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL4	2022-04-20	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL4	2022-04-20	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL4	2022-04-20	Cond-L	uS/cm	2	2	30	30	0.0	1.00
NNL4	2022-04-20	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL4	2022-04-20	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL4	2022-04-20	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL4	2022-04-20	Cu-D	mg/L	0.0002	0.0002	0.00041	0.00043	4.8	0.95
NNL4	2022-04-20	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL4	2022-04-20	DOC	mg/L	0.5	0.5	2.5	2.5	0.0	1.00
NNL4	2022-04-20	Fe-D	mg/L	0.005	0.005	0.0351	0.0353	0.6	0.99
NNL4	2022-04-20	Fe-T	mg/L	0.01	0.01	0.066	0.065	1.5	1.02
NNL4	2022-04-20	Hard-D	mg/L	0.5	0.5	12.2	12.3	0.8	0.99
NNL4	2022-04-20	Hard-T	mg/L	0.5	0.5	12.5	12.7	1.6	0.98
NNL4	2022-04-20	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNL4	2022-04-20	K-D	mg/L	0.05	0.05	0.056	0.057	1.8	0.98
NNL4	2022-04-20	K-T	mg/L	0.05	0.05	0.061	0.061	0.0	1.00
NNL4	2022-04-20	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNL4	2022-04-20	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNL4	2022-04-20	Mg-D	mg/L	0.05	0.05	0.732	0.744	1.6	0.98
NNL4	2022-04-20	Mg-T	mg/L	0.05	0.05	0.787	0.815	3.5	0.97
NNL4	2022-04-20	Mn-D	mg/L	0.001	0.001	0.0070	0.0073	4.2	0.96
NNL4	2022-04-20	Mn-T	mg/L	0.001	0.001	0.0080	0.0083	3.7	0.96
NNL4	2022-04-20	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
NNL4	2022-04-20	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL4	2022-04-20	Na-D	mg/L	0.05	0.05	1.05	1.05	0.0	1.00
NNL4	2022-04-20	Na-T	mg/L	0.05	0.05	1.04	1.01	2.9	1.03
NNL4	2022-04-20	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL4	2022-04-20	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNL4	2022-04-20	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	N-NO23	mg/L	0.02	0.02	0.041	<0.020	68.9	2.05
NNL4	2022-04-20	N-NO3	mg/L	0.02	0.02	0.041	<0.020	68.9	2.05
NNL4	2022-04-20	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL4	2022-04-20	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNL4	2022-04-20	P-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
NNL4	2022-04-20	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
NNL4	2022-04-20	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL4	2022-04-20	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNL4	2022-04-20	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNL4	2022-04-20	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	Si-D	mg/L	0.1	0.1	3.66	3.64	0.5	1.01
NNL4	2022-04-20	Si-T	mg/L	0.1	0.1	3.36	3.36	0.0	1.00
NNL4	2022-04-20	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	SO4-D	mg/L	1	1	2.8	2.9	3.5	0.97
NNL4	2022-04-20	Sr-D	mg/L	0.001	0.001	0.0124	0.0127	2.4	0.98
NNL4	2022-04-20	Sr-T	mg/L	0.001	0.001	0.0116	0.0119	2.6	0.97
NNL4	2022-04-20	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNL4	2022-04-20	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL4	2022-04-20	Ti-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNL4	2022-04-20	Turb	NTU	0.1	0.1	0.59	0.30	65.2	1.97
NNL4	2022-04-20	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNL4	2022-04-20	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNL4	2022-04-20	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNO	2022-04-11	Acidity83	mg/L	1	1	1.7	1.3	26.7	1.31
NNO	2022-04-11	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNO	2022-04-11	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
NNO	2022-04-11	Al-D	mg/L	0.003	0.003	0.0348	0.0362	3.9	0.96
NNO	2022-04-11	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNO	2022-04-11	Alk-T	mg/L	1	1	9.9	10	1.0	0.99
NNO	2022-04-11	Al-T	mg/L	0.003	0.003	0.0488	0.0472	3.3	1.03
NNO	2022-04-11	As-D	mg/L	0.0001	0.0001	0.00023	0.00024	4.3	0.96
NNO	2022-04-11	As-T	mg/L	0.0001	0.0001	0.00027	0.00025	7.7	1.08
NNO	2022-04-11	Ba-D	mg/L	0.001	0.001	0.0011	0.0011	0.0	1.00
NNO	2022-04-11	Ba-T	mg/L	0.001	0.001	0.0012	0.0012	0.0	1.00
NNO	2022-04-11	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNO	2022-04-11	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	Bicarb	mg/L	1	1	12	13	8.0	0.92
NNO	2022-04-11	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	Br-D	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
NNO	2022-04-11	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNO	2022-04-11	Ca-D	mg/L	0.05	0.05	3.72	3.72	0.0	1.00
NNO	2022-04-11	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNO	2022-04-11	Ca-T	mg/L	0.05	0.05	3.88	3.74	3.7	1.04
NNO	2022-04-11	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNO	2022-04-11	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNO	2022-04-11	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNO	2022-04-11	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNO	2022-04-11	Cond-L	uS/cm	2	2	29	29	0.0	1.00
NNO	2022-04-11	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
NNO	2022-04-11	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	Cu-D	mg/L	0.0002	0.0002	0.00046	0.00044	4.4	1.05
NNO	2022-04-11	Cu-T	mg/L	0.0005	0.0005	0.00050	0.00051	2.0	0.98
NNO	2022-04-11	DOC	mg/L	0.5	0.5	2.7	2.9	7.1	0.93
NNO	2022-04-11	F-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
NNO	2022-04-11	Fe-D	mg/L	0.005	0.005	0.0412	0.0416	1.0	0.99
NNO	2022-04-11	Fe-T	mg/L	0.01	0.01	0.080	0.075	6.5	1.07
NNO	2022-04-11	Hard-D	mg/L	0.5	0.5	12.4	12.3	0.8	1.01
NNO	2022-04-11	Hard-T	mg/L	0.5	0.5	13.2	12.8	3.1	1.03
NNO	2022-04-11	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNO	2022-04-11	K-D	mg/L	0.05	0.05	0.051	0.053	3.8	0.96
NNO	2022-04-11	K-T	mg/L	0.05	0.05	0.060	0.061	1.7	0.98
NNO	2022-04-11	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNO	2022-04-11	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
NNO	2022-04-11	Mg-D	mg/L	0.05	0.05	0.741	0.743	0.3	1.00
NNO	2022-04-11	Mg-T	mg/L	0.05	0.05	0.845	0.837	1.0	1.01
NNO	2022-04-11	Mn-D	mg/L	0.001	0.001	0.0086	0.0090	4.5	0.96
NNO	2022-04-11	Mn-T	mg/L	0.001	0.001	0.0103	0.0102	1.0	1.01
NNO	2022-04-11	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	Na-D	mg/L	0.05	0.05	0.960	0.961	0.1	1.00
NNO	2022-04-11	Na-T	mg/L	0.05	0.05	1.11	1.08	2.7	1.03
NNO	2022-04-11	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
NNO	2022-04-11	N-NH3	mg/L	0.015	0.015	<0.015	<0.015	0.0	1.00
NNO	2022-04-11	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
NNO	2022-04-11	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
NNO	2022-04-11	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNO	2022-04-11	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
NNO	2022-04-11	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNO	2022-04-11	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
NNO	2022-04-11	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNO	2022-04-11	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	Si-D	mg/L	0.1	0.1	3.59	3.62	0.8	0.99
NNO	2022-04-11	Si-T	mg/L	0.1	0.1	3.95	3.84	2.8	1.03
NNO	2022-04-11	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	SO4-D	mg/L	1	1	3.6	3.8	5.4	0.95
NNO	2022-04-11	Sr-D	mg/L	0.001	0.001	0.0118	0.0119	0.8	0.99
NNO	2022-04-11	Sr-T	mg/L	0.001	0.001	0.0123	0.0120	2.5	1.02
NNO	2022-04-11	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
NNO	2022-04-11	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNO	2022-04-11	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
NNO	2022-04-11	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
NNO	2022-04-11	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
NNO	2022-04-11	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
NNO	2022-04-11	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU0813A	2022-06-22	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU0813A	2022-06-22	Acidity83	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU0813A	2022-06-22	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
QU0813A	2022-06-22	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
QU0813A	2022-06-22	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU0813A	2022-06-22	Alk-T	mg/L	1	1	190	190	0.0	1.00
QU0813A	2022-06-22	As-D	mg/L	0.0001	0.0001	0.457	0.452	1.1	1.01
QU0813A	2022-06-22	Ba-D	mg/L	0.001	0.001	0.193	0.195	1.0	0.99
QU0813A	2022-06-22	B-D	mg/L	0.05	0.05	0.685	0.685	0.0	1.00
QU0813A	2022-06-22	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
QU0813A	2022-06-22	Bicarb	mg/L	1	1	230	230	0.0	1.00
QU0813A	2022-06-22	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU0813A	2022-06-22	Br-D	mg/L	0.01	0.01	0.038	0.038	0.0	1.00
QU0813A	2022-06-22	Ca-D	mg/L	0.05	0.05	41.1	41.1	0.0	1.00
QU0813A	2022-06-22	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU0813A	2022-06-22	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
QU0813A	2022-06-22	Cl-D	mg/L	1	1	18	18	0.0	1.00
QU0813A	2022-06-22	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
QU0813A	2022-06-22	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU0813A	2022-06-22	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
QU0813A	2022-06-22	DOC	mg/L	0.5	0.5	0.63	1.0	45.4	0.63
QU0813A	2022-06-22	F-D	mg/L	0.05	0.05	0.69	0.68	1.5	1.01
QU0813A	2022-06-22	Fe-D	mg/L	0.005	0.005	0.290	0.291	0.3	1.00
QU0813A	2022-06-22	H2S	mg/L	0.002	0.002	0.26	0.28	7.4	0.93
QU0813A	2022-06-22	Hard-D	mg/L	0.5	0.5	146	145	0.7	1.01
QU0813A	2022-06-22	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU0813A	2022-06-22	K-D	mg/L	0.05	0.05	2.43	2.48	2.0	0.98
QU0813A	2022-06-22	Li-D	mg/L	0.002	0.002	0.0523	0.0533	1.9	0.98
QU0813A	2022-06-22	Mg-D	mg/L	0.05	0.05	10.5	10.4	1.0	1.01
QU0813A	2022-06-22	Mn-D	mg/L	0.001	0.001	0.0645	0.0647	0.3	1.00
QU0813A	2022-06-22	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU0813A	2022-06-22	Na-D	mg/L	0.05	0.05	60.0	60.4	0.7	0.99
QU0813A	2022-06-22	N-D	mg/L	0.02	0.02	0.224	0.223	0.4	1.00
QU0813A	2022-06-22	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU0813A	2022-06-22	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
QU0813A	2022-06-22	P-D	mg/L	0.003	0.003	0.17	0.16	6.1	1.06
QU0813A	2022-06-22	S2-T	mg/L	0.0018	0.0018	0.24	0.26	8.0	0.92
QU0813A	2022-06-22	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
QU0813A	2022-06-22	S-D	mg/L	3	3	25.1	24.8	1.2	1.01
QU0813A	2022-06-22	Se-D	mg/L	0.0001	0.0001	0.00079	<0.00010	155.1	7.90
QU0813A	2022-06-22	Si-D	mg/L	0.1	0.1	3.98	3.90	2.0	1.02
QU0813A	2022-06-22	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU0813A	2022-06-22	SO4-D	mg/L	1	1	79	80	1.3	0.99
QU0813A	2022-06-22	Sr-D	mg/L	0.001	0.001	0.596	0.591	0.8	1.01
QU0813A	2022-06-22	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU0813A	2022-06-22	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
QU0813A	2022-06-22	Turb	NTU	0.1	0.1	2.6	2.3	12.2	1.13
QU0813A	2022-06-22	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU0813A	2022-06-22	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU0813A	2022-06-22	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU0813A	2022-06-22	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU1011S	2022-06-28	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU1011S	2022-06-28	Acidity83	mg/L	1	1	3.5	5.0	35.3	0.70
QU1011S	2022-06-28	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
QU1011S	2022-06-28	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
QU1011S	2022-06-28	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU1011S	2022-06-28	Alk-T	mg/L	1	1	120	120	0.0	1.00
QU1011S	2022-06-28	As-D	mg/L	0.0001	0.0001	0.00174	0.00168	3.5	1.04
QU1011S	2022-06-28	Ba-D	mg/L	0.001	0.001	0.181	0.178	1.7	1.02
QU1011S	2022-06-28	B-D	mg/L	0.05	0.05	0.258	0.252	2.4	1.02
QU1011S	2022-06-28	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU1011S	2022-06-28	Bicarb	mg/L	1	1	140	140	0.0	1.00
QU1011S	2022-06-28	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU1011S	2022-06-28	Br-D	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
QU1011S	2022-06-28	Ca-D	mg/L	0.05	0.05	29.5	29.5	0.0	1.00
QU1011S	2022-06-28	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU1011S	2022-06-28	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
QU1011S	2022-06-28	Cl-D	mg/L	1	1	2.8	3.1	10.2	0.90
QU1011S	2022-06-28	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
QU1011S	2022-06-28	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU1011S	2022-06-28	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
QU1011S	2022-06-28	DOC	mg/L	0.5	0.5	0.57	0.60	5.1	0.95
QU1011S	2022-06-28	F-D	mg/L	0.05	0.05	0.12	0.12	0.0	1.00
QU1011S	2022-06-28	Fe-D	mg/L	0.005	0.005	0.606	0.602	0.7	1.01
QU1011S	2022-06-28	H2S	mg/L	0.002	0.002	0.0063	0.0047	29.1	1.34
QU1011S	2022-06-28	Hard-D	mg/L	0.5	0.5	98.4	98.6	0.2	1.00
QU1011S	2022-06-28	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
QU1011S	2022-06-28	K-D	mg/L	0.05	0.05	1.39	1.40	0.7	0.99
QU1011S	2022-06-28	Li-D	mg/L	0.002	0.002	0.0300	0.0294	2.0	1.02
QU1011S	2022-06-28	Mg-D	mg/L	0.05	0.05	5.98	6.03	0.8	0.99
QU1011S	2022-06-28	Mn-D	mg/L	0.001	0.001	0.0709	0.0709	0.0	1.00
QU1011S	2022-06-28	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU1011S	2022-06-28	Na-D	mg/L	0.05	0.05	12.3	12.7	3.2	0.97
QU1011S	2022-06-28	N-D	mg/L	0.02	0.02	0.086	0.077	11.0	1.12
QU1011S	2022-06-28	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU1011S	2022-06-28	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
QU1011S	2022-06-28	P-D	mg/L	0.003	0.003	0.013	0.014	7.4	0.93
QU1011S	2022-06-28	S2-T	mg/L	0.0018	0.0018	0.0059	0.0044	29.1	1.34
QU1011S	2022-06-28	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
QU1011S	2022-06-28	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
QU1011S	2022-06-28	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU1011S	2022-06-28	Si-D	mg/L	0.1	0.1	3.49	3.47	0.6	1.01
QU1011S	2022-06-28	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1011S	2022-06-28	SO4-D	mg/L	1	1	5.4	4.9	9.7	1.10
QU1011S	2022-06-28	Sr-D	mg/L	0.001	0.001	0.313	0.308	1.6	1.02
QU1011S	2022-06-28	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1011S	2022-06-28	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
QU1011S	2022-06-28	Turb	NTU	0.1	0.1	2.6	2.4	8.0	1.08
QU1011S	2022-06-28	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU1011S	2022-06-28	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1011S	2022-06-28	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1011S	2022-06-28	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU1410	2022-06-07	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU1410	2022-06-07	Acidity83	mg/L	1	1	35.3	29.2	18.9	1.21
QU1410	2022-06-07	Ag-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
QU1410	2022-06-07	Al-D	mg/L	0.015	0.015	<0.015	<0.015	0.0	1.00
QU1410	2022-06-07	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU1410	2022-06-07	Alk-T	mg/L	1	1	310	290	6.7	1.07
QU1410	2022-06-07	As-D	mg/L	0.0005	0.0005	0.0943	0.0942	0.1	1.00
QU1410	2022-06-07	Ba-D	mg/L	0.005	0.005	0.0147	0.0146	0.7	1.01
QU1410	2022-06-07	B-D	mg/L	0.25	0.25	1.15	1.13	1.8	1.02
QU1410	2022-06-07	Be-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
QU1410	2022-06-07	Bicarb	mg/L	1	1	380	350	8.2	1.09
QU1410	2022-06-07	Bi-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1410	2022-06-07	Br-D	mg/L	0.05	0.05	0.26	0.27	3.8	0.96
QU1410	2022-06-07	Ca-D	mg/L	0.25	0.25	517	530	2.5	0.98
QU1410	2022-06-07	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU1410	2022-06-07	Cd-D	mg/L	0.00005	0.00005	<0.000050	<0.000050	0.0	1.00
QU1410	2022-06-07	Cl-D	mg/L	1	1	6.3	6.2	1.6	1.02
QU1410	2022-06-07	Co-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU1410	2022-06-07	Cr-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1410	2022-06-07	Cu-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU1410	2022-06-07	DOC	mg/L	0.5	0.5	1.5	1.8	18.2	0.83
QU1410	2022-06-07	F-D	mg/L	0.05	0.05	0.18	0.17	5.7	1.06
QU1410	2022-06-07	Fe-D	mg/L	0.025	0.025	1.66	1.66	0.0	1.00
QU1410	2022-06-07	H2S	mg/L	0.002	0.002	0.0058	0.0074	24.2	0.78
QU1410	2022-06-07	Hard-D	mg/L	0.5	0.5	2010	2030	1.0	0.99
QU1410	2022-06-07	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
QU1410	2022-06-07	K-D	mg/L	0.25	0.25	7.64	7.64	0.0	1.00
QU1410	2022-06-07	Li-D	mg/L	0.01	0.01	0.149	0.147	1.4	1.01
QU1410	2022-06-07	Mg-D	mg/L	0.25	0.25	175	172	1.7	1.02
QU1410	2022-06-07	Mn-D	mg/L	0.005	0.005	1.45	1.41	2.8	1.03
QU1410	2022-06-07	Mo-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1410	2022-06-07	Na-D	mg/L	0.25	0.25	65.8	65.1	1.1	1.01
QU1410	2022-06-07	N-D	mg/L	0.02	0.02	0.273	0.287	5.0	0.95
QU1410	2022-06-07	Ni-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
QU1410	2022-06-07	Pb-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
QU1410	2022-06-07	P-D	mg/L	0.003	0.003	0.034	0.029	15.9	1.17
QU1410	2022-06-07	S2-T	mg/L	0.0018	0.0018	0.0054	0.0070	25.8	0.77
QU1410	2022-06-07	Sb-D	mg/L	0.0025	0.0025	<0.0025	<0.0025	0.0	1.00
QU1410	2022-06-07	S-D	mg/L	15	15	647	663	2.4	0.98
QU1410	2022-06-07	Se-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
QU1410	2022-06-07	Si-D	mg/L	0.5	0.5	3.49	3.60	3.1	0.97
QU1410	2022-06-07	Sn-D	mg/L	0.025	0.025	<0.025	<0.025	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
QU1410	2022-06-07	SO4-D	mg/L	10	10	2000	2000	0.0	1.00
QU1410	2022-06-07	Sr-D	mg/L	0.005	0.005	5.03	4.97	1.2	1.01
QU1410	2022-06-07	Ti-D	mg/L	0.025	0.025	<0.025	<0.025	0.0	1.00
QU1410	2022-06-07	Tl-D	mg/L	0.00005	0.00005	<0.000050	<0.000050	0.0	1.00
QU1410	2022-06-07	Turb	NTU	0.1	0.1	11	<0.10	196.4	110.00
QU1410	2022-06-07	U-D	mg/L	0.0005	0.0005	0.00083	0.00081	2.4	1.02
QU1410	2022-06-07	V-D	mg/L	0.025	0.025	<0.025	<0.025	0.0	1.00
QU1410	2022-06-07	Zn-D	mg/L	0.025	0.025	<0.025	<0.025	0.0	1.00
QU1410	2022-06-07	Zr-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
SPC	2022-05-02	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
SPC	2022-05-02	Acidity83	mg/L	1	1	<1.0	1.0	0.0	1.00
SPC	2022-05-02	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
SPC	2022-05-02	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
SPC	2022-05-02	Al-D	mg/L	0.003	0.003	0.0470	0.0484	2.9	0.97
SPC	2022-05-02	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
SPC	2022-05-02	Alk-T	mg/L	1	1	38	37	2.7	1.03
SPC	2022-05-02	Al-T	mg/L	0.003	0.003	0.0601	0.0552	8.5	1.09
SPC	2022-05-02	As-D	mg/L	0.0001	0.0001	0.00027	0.00027	0.0	1.00
SPC	2022-05-02	As-T	mg/L	0.0001	0.0001	0.00028	0.00028	0.0	1.00
SPC	2022-05-02	Ba-D	mg/L	0.001	0.001	0.0074	0.0074	0.0	1.00
SPC	2022-05-02	Ba-T	mg/L	0.001	0.001	0.0077	0.0078	1.3	0.99
SPC	2022-05-02	B-D	mg/L	0.05	0.05	0.066	0.065	1.5	1.02
SPC	2022-05-02	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPC	2022-05-02	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPC	2022-05-02	Bicarb	mg/L	1	1	46	45	2.2	1.02
SPC	2022-05-02	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	B-T	mg/L	0.05	0.05	0.056	0.054	3.6	1.04
SPC	2022-05-02	Ca-D	mg/L	0.05	0.05	37.4	38.3	2.4	0.98
SPC	2022-05-02	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
SPC	2022-05-02	Ca-T	mg/L	0.05	0.05	38.1	38.2	0.3	1.00
SPC	2022-05-02	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
SPC	2022-05-02	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
SPC	2022-05-02	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
SPC	2022-05-02	Cond-L	uS/cm	2	2	280	280	0.0	1.00
SPC	2022-05-02	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
SPC	2022-05-02	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	Cu-D	mg/L	0.0002	0.0002	0.00042	0.00042	0.0	1.00
SPC	2022-05-02	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
SPC	2022-05-02	Fe-D	mg/L	0.005	0.005	0.0526	0.0516	1.9	1.02
SPC	2022-05-02	Fe-T	mg/L	0.01	0.01	0.075	0.074	1.3	1.01
SPC	2022-05-02	Hard-D	mg/L	0.5	0.5	114	117	2.6	0.97
SPC	2022-05-02	Hard-T	mg/L	0.5	0.5	116	116	0.0	1.00
SPC	2022-05-02	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
SPC	2022-05-02	K-D	mg/L	0.05	0.05	0.362	0.360	0.6	1.01
SPC	2022-05-02	K-T	mg/L	0.05	0.05	0.409	0.395	3.5	1.04
SPC	2022-05-02	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
SPC	2022-05-02	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
SPC	2022-05-02	Mg-D	mg/L	0.05	0.05	5.06	5.11	1.0	0.99
SPC	2022-05-02	Mg-T	mg/L	0.05	0.05	5.13	4.96	3.4	1.03
SPC	2022-05-02	Mn-D	mg/L	0.001	0.001	0.0012	0.0012	0.0	1.00
SPC	2022-05-02	Mn-T	mg/L	0.001	0.001	0.0021	0.0021	0.0	1.00
SPC	2022-05-02	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	Na-D	mg/L	0.05	0.05	6.54	6.52	0.3	1.00
SPC	2022-05-02	Na-T	mg/L	0.05	0.05	6.61	6.44	2.6	1.03
SPC	2022-05-02	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
SPC	2022-05-02	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
SPC	2022-05-02	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
SPC	2022-05-02	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
SPC	2022-05-02	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
SPC	2022-05-02	S-D	mg/L	3	3	31.5	31.6	0.3	1.00
SPC	2022-05-02	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPC	2022-05-02	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPC	2022-05-02	Si-D	mg/L	0.1	0.1	2.41	2.48	2.9	0.97

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
SPC	2022-05-02	Si-T	mg/L	0.1	0.1	2.65	2.65	0.0	1.00
SPC	2022-05-02	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	SO4-D	mg/L	10	1	100	97	3.0	1.03
SPC	2022-05-02	Sr-D	mg/L	0.001	0.001	0.223	0.222	0.4	1.00
SPC	2022-05-02	Sr-T	mg/L	0.001	0.001	0.218	0.220	0.9	0.99
SPC	2022-05-02	S-T	mg/L	3	3	29.7	29.1	2.0	1.02
SPC	2022-05-02	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
SPC	2022-05-02	Ti-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
SPC	2022-05-02	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
SPC	2022-05-02	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPC	2022-05-02	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPC	2022-05-02	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
SPC	2022-05-02	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPC	2022-05-02	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
SPD	2022-06-27	SO4-D	mg/L	10	10	420	420	0.0	1.00
SPD	2022-06-27	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
TB	2022-05-09	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-05-09	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-05-09	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-05-09	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-05-09	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-05-09	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
TB	2022-05-09	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-05-09	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-05-09	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-05-09	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-05-09	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
TB	2022-05-09	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-05-09	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-05-09	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-05-09	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-05-09	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
TB	2022-05-09	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-05-09	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-06-06	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-06-06	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-06-06	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-06-06	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
TB	2022-06-06	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-06-06	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
TB	2022-06-06	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-06-06	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-06-06	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-06-06	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-06-06	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
TB	2022-06-06	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-06-06	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-06-06	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-06-06	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-06-06	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-06-06	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
TB	2022-06-06	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-06-06	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
WA	2022-04-19	Acidity83	mg/L	1	1	<1.0	<1.0	0.0	1.00
WA	2022-04-19	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
WA	2022-04-19	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
WA	2022-04-19	Al-D	mg/L	0.003	0.003	0.0213	0.0209	1.9	1.02
WA	2022-04-19	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
WA	2022-04-19	Alk-T	mg/L	1	1	18	20	10.5	0.90
WA	2022-04-19	Al-T	mg/L	0.003	0.003	0.0257	0.0250	2.8	1.03
WA	2022-04-19	As-D	mg/L	0.0001	0.0001	<0.00010	0.00011	9.5	0.91
WA	2022-04-19	As-T	mg/L	0.0001	0.0001	0.00011	0.00011	0.0	1.00
WA	2022-04-19	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Ba-T	mg/L	0.001	0.001	0.0013	0.0013	0.0	1.00
WA	2022-04-19	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
WA	2022-04-19	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	Bicarb	mg/L	1	1	22	25	12.8	0.88
WA	2022-04-19	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
WA	2022-04-19	Ca-D	mg/L	0.05	0.05	6.42	6.38	0.6	1.01
WA	2022-04-19	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
WA	2022-04-19	Ca-T	mg/L	0.05	0.05	6.39	6.12	4.3	1.04
WA	2022-04-19	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WA	2022-04-19	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WA	2022-04-19	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
WA	2022-04-19	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
WA	2022-04-19	Cond-L	uS/cm	2	2	41	41	0.0	1.00
WA	2022-04-19	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
WA	2022-04-19	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Cu-D	mg/L	0.0002	0.0002	0.00051	0.00053	3.8	0.96
WA	2022-04-19	Cu-T	mg/L	0.0005	0.0005	0.00061	0.00060	1.7	1.02
WA	2022-04-19	DOC	mg/L	0.5	0.5	2.1	1.9	10.0	1.11
WA	2022-04-19	Fe-D	mg/L	0.005	0.005	0.0073	0.0073	0.0	1.00
WA	2022-04-19	Fe-T	mg/L	0.01	0.01	0.014	0.013	7.4	1.08
WA	2022-04-19	Hard-D	mg/L	0.5	0.5	18.9	18.8	0.5	1.01
WA	2022-04-19	Hard-T	mg/L	0.5	0.5	18.9	18.1	4.3	1.04
WA	2022-04-19	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
WA	2022-04-19	K-D	mg/L	0.05	0.05	0.059	0.059	0.0	1.00
WA	2022-04-19	K-T	mg/L	0.05	0.05	0.059	0.058	1.7	1.02

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
WA	2022-04-19	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
WA	2022-04-19	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
WA	2022-04-19	Mg-D	mg/L	0.05	0.05	0.688	0.686	0.3	1.00
WA	2022-04-19	Mg-T	mg/L	0.05	0.05	0.720	0.685	5.0	1.05
WA	2022-04-19	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Mn-T	mg/L	0.001	0.001	0.0014	0.0013	7.4	1.08
WA	2022-04-19	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Na-D	mg/L	0.05	0.05	0.657	0.668	1.7	0.98
WA	2022-04-19	Na-T	mg/L	0.05	0.05	0.697	0.676	3.1	1.03
WA	2022-04-19	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WA	2022-04-19	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
WA	2022-04-19	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
WA	2022-04-19	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
WA	2022-04-19	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
WA	2022-04-19	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
WA	2022-04-19	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	Si-D	mg/L	0.1	0.1	2.32	2.30	0.9	1.01
WA	2022-04-19	Si-T	mg/L	0.1	0.1	2.28	2.21	3.1	1.03
WA	2022-04-19	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	SO4-D	mg/L	1	1	1.6	2.1	27.0	0.76
WA	2022-04-19	Sr-D	mg/L	0.001	0.001	0.0117	0.0121	3.4	0.97
WA	2022-04-19	Sr-T	mg/L	0.001	0.001	0.0115	0.0111	3.5	1.04
WA	2022-04-19	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
WA	2022-04-19	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WA	2022-04-19	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WA	2022-04-19	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
WA	2022-04-19	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WA	2022-04-19	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WA	2022-04-19	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	Acidity45	mg/L	1	1	<1.0	<1.0	0.0	1.00
WB	2022-05-02	Acidity83	mg/L	1	1	1.2	1.5	22.2	0.80
WB	2022-05-02	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
WB	2022-05-02	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
WB	2022-05-02	Al-D	mg/L	0.003	0.003	0.0154	0.0150	2.6	1.03
WB	2022-05-02	Alk-T	mg/L	1	1	38	38	0.0	1.00
WB	2022-05-02	Al-T	mg/L	0.003	0.003	0.0190	0.0180	5.4	1.06
WB	2022-05-02	As-D	mg/L	0.0001	0.0001	0.00014	0.00015	6.9	0.93
WB	2022-05-02	As-T	mg/L	0.0001	0.0001	0.00015	0.00014	6.9	1.07
WB	2022-05-02	Ba-D	mg/L	0.001	0.001	0.0021	0.0020	4.9	1.05
WB	2022-05-02	Ba-T	mg/L	0.001	0.001	0.0020	0.0021	4.9	0.95
WB	2022-05-02	B-D	mg/L	0.05	0.05	0.052	0.052	0.0	1.00
WB	2022-05-02	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	Bicarb	mg/L	1	1	46	46	0.0	1.00
WB	2022-05-02	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	B-T	mg/L	0.05	0.05	0.051	<0.050	2.0	1.02
WB	2022-05-02	Ca-D	mg/L	0.05	0.05	12.1	12.4	2.4	0.98
WB	2022-05-02	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
WB	2022-05-02	Ca-T	mg/L	0.05	0.05	12.2	12.1	0.8	1.01
WB	2022-05-02	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WB	2022-05-02	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WB	2022-05-02	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
WB	2022-05-02	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
WB	2022-05-02	Cond-L	uS/cm	2	2	140	140	0.0	1.00
WB	2022-05-02	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 42 Relative Percent Differences 23 Page(s)

Percent Difference (RPD)									
Stn.Code 1	Date	Param.Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
WB	2022-05-02	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	Cu-D	mg/L	0.0002	0.0002	0.00047	0.00044	6.6	1.07
WB	2022-05-02	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
WB	2022-05-02	DOC	mg/L	0.5	0.5	2.0	2.0	0.0	1.00
WB	2022-05-02	Fe-D	mg/L	0.005	0.005	0.0209	0.0221	5.6	0.95
WB	2022-05-02	Fe-T	mg/L	0.01	0.01	0.034	0.033	3.0	1.03
WB	2022-05-02	Hard-D	mg/L	0.5	0.5	36.8	37.4	1.6	0.98
WB	2022-05-02	Hard-T	mg/L	0.5	0.5	36.9	36.6	0.8	1.01
WB	2022-05-02	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
WB	2022-05-02	K-D	mg/L	0.05	0.05	0.226	0.228	0.9	0.99
WB	2022-05-02	K-T	mg/L	0.05	0.05	0.224	0.228	1.8	0.98
WB	2022-05-02	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
WB	2022-05-02	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
WB	2022-05-02	Mg-D	mg/L	0.05	0.05	1.58	1.58	0.0	1.00
WB	2022-05-02	Mg-T	mg/L	0.05	0.05	1.58	1.57	0.6	1.01
WB	2022-05-02	Mn-D	mg/L	0.001	0.001	0.0036	0.0036	0.0	1.00
WB	2022-05-02	Mn-T	mg/L	0.001	0.001	0.0052	0.0052	0.0	1.00
WB	2022-05-02	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	Na-D	mg/L	0.05	0.05	13.5	13.5	0.0	1.00
WB	2022-05-02	Na-T	mg/L	0.05	0.05	13.6	13.6	0.0	1.00
WB	2022-05-02	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
WB	2022-05-02	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
WB	2022-05-02	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
WB	2022-05-02	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
WB	2022-05-02	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
WB	2022-05-02	S-D	mg/L	3	3	10.9	10.7	1.9	1.02
WB	2022-05-02	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	Si-D	mg/L	0.1	0.1	2.47	2.54	2.8	0.97
WB	2022-05-02	Si-T	mg/L	0.1	0.1	2.48	2.43	2.0	1.02
WB	2022-05-02	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	SO4-D	mg/L	1	1	29	28	3.5	1.04
WB	2022-05-02	Sr-D	mg/L	0.001	0.001	0.0688	0.0697	1.3	0.99
WB	2022-05-02	Sr-T	mg/L	0.001	0.001	0.0687	0.0673	2.1	1.02
WB	2022-05-02	S-T	mg/L	3	3	10.7	10.9	1.9	0.98
WB	2022-05-02	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WB	2022-05-02	Ti-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
WB	2022-05-02	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
WB	2022-05-02	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
WB	2022-05-02	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WB	2022-05-02	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
WC	2022-04-04	Cond-L	uS/cm	2	2	1500	1500	0.0	1.00
WC	2022-04-04	SO4-D	mg/L	10	10	330	370	11.4	0.89
WC	2022-04-04	TSS	mg/L	1	1	3.2	<1.0	104.8	3.20
WC	2022-06-01	Cond-L	uS/cm	2	2	1600	1600	0.0	1.00
WC	2022-06-01	SO4-D	mg/L	10	10	490	470	4.2	1.04
WC	2022-06-01	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00
WD	2022-04-19	Cond-L	uS/cm	2	2	1800	1800	0.0	1.00
WD	2022-04-19	SO4-D	mg/L	10	10	520	510	1.9	1.02
WD	2022-04-19	TSS	mg/L	1	1	2.4	1.6	40.0	1.50
WD	2022-05-09	Cond-L	uS/cm	2	2	1700	1700	0.0	1.00
WD	2022-05-09	SO4-D	mg/L	10	10	450	460	2.2	0.98
WD	2022-05-09	TSS	mg/L	1	1	3.6	2.4	40.0	1.50
WD	2022-06-06	Cond-L	uS/cm	2	2	1600	1600	0.0	1.00
WD	2022-06-06	SO4-D	mg/L	10	10	420	450	6.9	0.93
WD	2022-06-06	TSS	mg/L	1	1	<1.0	<1.0	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 43 Greater Than 20% and 50% 1 Page(s)

Relative Percent Difference Greater than 20%										
Stn.Code 1	Date	Parameter Code	Units	Lab MDL 1	Lab MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio	5 X Lab MDL1
LLM4	03-May-2022	Na-D	mg/L	0.05	0.05	4.81	6.25	26.0	0.77	0.25
LLM4	03-May-2022	Na-T	mg/L	0.05	0.05	5.03	6.3	22.3	0.8	0.25
LLM4	03-May-2022	S-D	mg/L	3	3	12.8	16.7	26.4	0.77	15
LLM4	03-May-2022	SO4-D	mg/L	1	1	40	49	20.2	0.82	5
LLM4	03-May-2022	Sr-D	mg/L	0.001	0.001	0.105	0.137	26.4	0.77	0.005
LLM4	03-May-2022	Sr-T	mg/L	0.001	0.001	0.113	0.139	20.6	0.81	0.005
LQL4	21-Apr-2022	DOC	mg/L	0.5	0.5	1.8	2.6	36.4	0.69	2.5
LQL4	21-Apr-2022	Turb	NTU	0.1	0.1	0.5500	0.44	22.2	1.25	0.5
MW002	11-May-2022	Acidity83	mg/L	1	1	23.5	19.2	20.1	1.22	5
MW002	11-May-2022	H2S	mg/L	0.002	0.002	0.0036	<0.0020	57.1	1.8	0.01
MW002	11-May-2022	S2-T	mg/L	0.0018	0.0018	0.0033	<0.0018	58.8	1.83	0.009
MW004	19-May-2022	P-D	mg/L	0.003	0.003	<0.0030	0.015	133.3	0.2	0.015
MW006S	20-Jun-2022	Mn-D	mg/L	0.001	0.001	0.0521	0.103	65.6	0.51	0.005
MW006S	20-Jun-2022	Turb	NTU	0.1	0.1	0.34	0.21	47.3	1.62	0.5
NNL1	27-Apr-2022	DOC	mg/L	0.5	0.5	2.1	2.6	21.3	0.81	2.5
NNL4	20-Apr-2022	N-NO23	mg/L	0.02	0.02	0.041	<0.020	68.9	2.05	0.1
NNL4	20-Apr-2022	N-NO3	mg/L	0.02	0.02	0.041	<0.020	68.9	2.05	0.1
NNL4	20-Apr-2022	Turb	NTU	0.1	0.1	0.59	0.3	65.2	1.97	0.5
NNO	11-Apr-2022	Acidity83	mg/L	1	1	1.7	1.3	26.7	1.31	5
QU0813A	22-Jun-2022	DOC	mg/L	0.5	0.5	0.63	1	45.4	0.63	2.5
QU0813A	22-Jun-2022	Se-D	mg/L	0.0001	0.0001	0.00	<0.00010	155.1	7.9	0.0005
QU1011S	28-Jun-2022	Acidity83	mg/L	1	1	3.5	5	35.3	0.7	5
QU1011S	28-Jun-2022	H2S	mg/L	0.002	0.002	0.0063	0.0047	29.1	1.34	0.01
QU1011S	28-Jun-2022	S2-T	mg/L	0.0018	0.0018	0.0059	0.0044	29.1	1.34	0.009
QU1410	07-Jun-2022	H2S	mg/L	0.002	0.002	0.0058	0.0074	24.2	0.78	0.01
QU1410	07-Jun-2022	S2-T	mg/L	0.0018	0.0018	0.0054	0.007	25.8	0.77	0.009
QU1410	07-Jun-2022	Turb	NTU	0.1	0.1	11	<0.10	196.4	110	0.5
WA	19-Apr-2022	SO4-D	mg/L	1	1	1.6	2.1	27.0	0.76	5
WB	02-May-2022	Acidity83	mg/L	1	1	1.2	1.5	22.2	0.8	5
WC	04-Apr-2022	TSS	mg/L	1	1	3.2	<1.0	104.8	3.2	5
Notes: Only results that meet these conditions were included: Relative Percent Difference > 20% Equal Lab MDL 1 and 2 equal One or both results are greater than 5 X's the LAB MDL Highlighted the Rel% Diff greater than 20% blue and greater than 50% green										

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB1	2022-04-06	Ag-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-06	Ag-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-06	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB1	2022-04-06	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-06	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-06	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB1	2022-04-06	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-06	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-06	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Cd-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Cd-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-06	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-06	Cond-L	uS/cm	2	2	9.5	9.5	0.0	1.00
EB1	2022-04-06	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-06	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-06	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-06	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB1	2022-04-06	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-04-06	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-04-06	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-06	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-04-06	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-04-06	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-06	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-06	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-06	pH-L	pH Units			4.57	4.57	0.0	1.00
EB1	2022-04-06	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-06	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-06	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-04-06	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-06	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-06	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-06	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-06	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-04-06	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-06	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-06	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-06	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-06	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-06	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB1	2022-04-13	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB1	2022-04-13	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB1	2022-04-13	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-13	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-13	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB1	2022-04-13	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-13	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-13	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-13	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-13	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-13	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-13	Cond-L	uS/cm	2	2	2.0	2.0	0.0	1.00
EB1	2022-04-13	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-13	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-13	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-13	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB1	2022-04-13	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-04-13	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-04-13	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-13	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-04-13	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-04-13	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-13	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-13	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-13	pH-L	pH Units			5.07	5.07	0.0	1.00
EB1	2022-04-13	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-13	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-13	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-04-13	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-13	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-13	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-13	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-13	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-04-13	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-13	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-13	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-13	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-13	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-13	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-20	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB1	2022-04-20	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB1	2022-04-20	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB1	2022-04-20	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-20	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-20	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)								
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.
EB1	2022-04-20	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	Bicarb	mg/L	1	1	<1.0	<1.0	0.0
EB1	2022-04-20	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Carb	mg/L	1	1	<1.0	<1.0	0.0
EB1	2022-04-20	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0
EB1	2022-04-20	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0
EB1	2022-04-20	Cl-D	mg/L	1	1	<1.0	<1.0	0.0
EB1	2022-04-20	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0
EB1	2022-04-20	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0
EB1	2022-04-20	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0
EB1	2022-04-20	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0
EB1	2022-04-20	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0
EB1	2022-04-20	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0
EB1	2022-04-20	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0
EB1	2022-04-20	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0
EB1	2022-04-20	Hydrox	mg/L	1	1	<1.0	<1.0	0.0
EB1	2022-04-20	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0
EB1	2022-04-20	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0
EB1	2022-04-20	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0
EB1	2022-04-20	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0
EB1	2022-04-20	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0
EB1	2022-04-20	pH-L	pH Units			5.28	5.28	0.0
EB1	2022-04-20	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0
EB1	2022-04-20	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0
EB1	2022-04-20	S-D	mg/L	3	3	<3.0	<3.0	0.0
EB1	2022-04-20	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0
EB1	2022-04-20	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0
EB1	2022-04-20	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	SO4-D	mg/L	1	1	<1.0	<1.0	0.0
EB1	2022-04-20	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-20	S-T	mg/L	3	3	<3.0	<3.0	0.0
EB1	2022-04-20	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0
EB1	2022-04-20	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0
EB1	2022-04-20	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0
EB1	2022-04-20	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0
EB1	2022-04-20	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-20	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-27	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0
EB1	2022-04-27	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0
EB1	2022-04-27	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0
EB1	2022-04-27	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0
EB1	2022-04-27	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-27	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0
EB1	2022-04-27	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-27	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0
EB1	2022-04-27	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB1	2022-04-27	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-27	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-27	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-27	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-27	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-27	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-27	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB1	2022-04-27	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-27	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Cu-D	mg/L	0.0002	0.0002	0.00037	0.00037	0.0	1.00
EB1	2022-04-27	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-27	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB1	2022-04-27	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-04-27	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-04-27	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-04-27	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-04-27	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-04-27	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-27	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-04-27	pH-L	pH Units			5.67	5.67	0.0	1.00
EB1	2022-04-27	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-27	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-04-27	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-04-27	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-27	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-27	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-27	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-27	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-04-27	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-04-27	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-04-27	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-27	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-04-27	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-04-27	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-27	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-27	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-04-27	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-04-27	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB1	2022-05-03	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB1	2022-05-03	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB1	2022-05-03	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-05-03	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-05-03	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB1	2022-05-03	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-05-03	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB1	2022-05-03	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-05-03	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-05-03	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-05-03	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-05-03	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-05-03	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB1	2022-05-03	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-05-03	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-05-03	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-05-03	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB1	2022-05-03	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-05-03	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB1	2022-05-03	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-05-03	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-05-03	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB1	2022-05-03	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB1	2022-05-03	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
EB1	2022-05-03	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
EB1	2022-05-03	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-05-03	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB1	2022-05-03	pH-L	pH Units			5.40	5.40	0.0	1.00
EB1	2022-05-03	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-05-03	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB1	2022-05-03	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-05-03	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-05-03	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-05-03	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB1	2022-05-03	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB1	2022-05-03	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB1	2022-05-03	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-05-03	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB1	2022-05-03	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB1	2022-05-03	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB1	2022-05-03	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB1	2022-05-03	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-06	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-06	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-06	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-06	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-06	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-06	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-06	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB2	2022-04-06	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-06	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-06	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-06	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-06	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-06	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB2	2022-04-06	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-06	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-06	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-06	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB2	2022-04-06	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-06	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-06	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-06	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-06	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-06	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-06	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-06	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-06	pH-L	pH Units			5.48	5.48	0.0	1.00
EB2	2022-04-06	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-06	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-06	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-06	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-06	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-06	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-06	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-06	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-06	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-06	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-06	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-06	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-06	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-06	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-13	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-13	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-13	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-13	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-13	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-13	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-13	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	Ca-D	mg/L	0.05	0.05	0.053	0.053	0.0	1.00
EB2	2022-04-13	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-13	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB2	2022-04-13	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-13	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-13	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-13	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-13	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB2	2022-04-13	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-13	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-13	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-13	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB2	2022-04-13	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-13	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-13	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-13	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-13	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-13	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-13	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-13	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-13	pH-L	pH Units			4.93	4.93	0.0	1.00
EB2	2022-04-13	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-13	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-13	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-13	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-13	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-13	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-13	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-13	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-13	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-13	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-13	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-13	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	Zn-D	mg/L	0.005	0.005	0.0059	0.0059	0.0	1.00
EB2	2022-04-13	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-13	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-13	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-20	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-20	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-20	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-20	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-20	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-20	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-20	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-20	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-20	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-20	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB2	2022-04-20	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-20	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB2	2022-04-20	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-20	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-20	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-20	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB2	2022-04-20	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-20	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-20	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-20	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-20	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-20	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-20	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-20	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-20	pH-L	pH Units			5.37	5.37	0.0	1.00
EB2	2022-04-20	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-20	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-20	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-20	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-20	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-20	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-20	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-20	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-20	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-20	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-20	Turb	NTU	0.1	0.1	0.10	0.10	0.0	1.00
EB2	2022-04-20	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-20	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-20	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-27	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-04-27	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-27	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-27	Alk-T	mg/L	1	1	1.3	1.3	0.0	1.00
EB2	2022-04-27	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-27	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	Bicarb	mg/L	1	1	1.5	1.5	0.0	1.00
EB2	2022-04-27	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-27	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-27	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-27	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-27	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-27	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB2	2022-04-27	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB2	2022-04-27	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-27	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-27	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB2	2022-04-27	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-27	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-04-27	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-04-27	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-27	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-04-27	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-04-27	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-27	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-04-27	pH-L	pH Units			6.09	6.09	0.0	1.00
EB2	2022-04-27	P-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-04-27	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-27	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-04-27	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-27	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-27	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-04-27	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	SO4-D	mg/L	1	1	1.1	1.1	0.0	1.00
EB2	2022-04-27	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-04-27	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-04-27	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-27	Ti-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-04-27	Turb	NTU	0.1	0.1	0.25	0.25	0.0	1.00
EB2	2022-04-27	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-04-27	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-04-27	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-05-03	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB2	2022-05-03	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-05-03	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-05-03	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-05-03	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB2	2022-05-03	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-05-03	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-05-03	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-05-03	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-05-03	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-05-03	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-05-03	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB2	2022-05-03	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-05-03	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB2	2022-05-03	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-05-03	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-05-03	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB2	2022-05-03	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-05-03	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB2	2022-05-03	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-05-03	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-05-03	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB2	2022-05-03	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB2	2022-05-03	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	N-NO2	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	N-NO23	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
EB2	2022-05-03	N-NO3	mg/L	0.02	0.02	<0.020	<0.020	0.0	1.00
EB2	2022-05-03	Pb-D	mg/L	0.0002	0.0002	0.00031	0.00031	0.0	1.00
EB2	2022-05-03	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB2	2022-05-03	pH-L	pH Units			5.38	5.38	0.0	1.00
EB2	2022-05-03	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-05-03	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB2	2022-05-03	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-05-03	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-05-03	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-05-03	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB2	2022-05-03	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB2	2022-05-03	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB2	2022-05-03	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	Ti-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-05-03	Ti-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB2	2022-05-03	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB2	2022-05-03	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB2	2022-05-03	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB2	2022-05-03	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-07	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-07	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-04-07	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-07	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-07	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-04-07	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-07	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-07	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-07	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-07	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-07	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-07	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB3	2022-04-07	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-07	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB3	2022-04-07	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-07	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-07	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB3	2022-04-07	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-04-07	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-04-07	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-07	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-04-07	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-04-07	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-07	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-07	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-07	pH-L	pH Units			5.83	5.83	0.0	1.00
EB3	2022-04-07	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-07	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-07	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-07	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-07	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-07	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-07	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-07	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-07	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	TI-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-07	TI-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-07	Turb	NTU	0.1	0.1	0.12	0.12	0.0	1.00
EB3	2022-04-07	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-07	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-07	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-13	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-13	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-04-13	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-13	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-13	Al-T	mg/L	0.003	0.003	0.0075	0.0075	0.0	1.00
EB3	2022-04-13	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-13	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-13	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-13	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-13	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-13	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-13	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB3	2022-04-13	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-13	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-13	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-13	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB3	2022-04-13	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB3	2022-04-13	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-04-13	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-04-13	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-13	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-04-13	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-04-13	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-13	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Pb-D	mg/L	0.0002	0.0002	0.00052	0.00052	0.0	1.00
EB3	2022-04-13	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-13	pH-L	pH Units			4.89	4.89	0.0	1.00
EB3	2022-04-13	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-13	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-13	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-13	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-13	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-13	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-13	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-13	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-13	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	TI-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-13	TI-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-13	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-13	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-13	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-13	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-20	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-20	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-04-20	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-20	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-20	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-04-20	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-20	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-20	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-20	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-20	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-20	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-20	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB3	2022-04-20	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-20	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-20	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-20	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB3	2022-04-20	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-04-20	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB3	2022-04-20	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-20	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-04-20	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-04-20	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-20	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-20	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-20	pH-L	pH Units			5.54	5.54	0.0	1.00
EB3	2022-04-20	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-20	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-20	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-20	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-20	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-20	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-20	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-20	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-20	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	TI-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-20	TI-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-20	Turb	NTU	0.1	0.1	0.13	0.13	0.0	1.00
EB3	2022-04-20	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-20	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-20	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-27	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-04-27	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-04-27	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-27	Alk-T	mg/L	1	1	2.9	2.9	0.0	1.00
EB3	2022-04-27	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-04-27	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	Bicarb	mg/L	1	1	3.6	3.6	0.0	1.00
EB3	2022-04-27	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-27	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-27	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-27	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-27	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-27	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-27	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-27	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-27	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB3	2022-04-27	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-04-27	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-04-27	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-27	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB3	2022-04-27	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-04-27	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-04-27	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-27	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-04-27	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-27	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-04-27	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-27	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-27	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-04-27	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-04-27	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-04-27	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-04-27	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-27	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-04-27	Turb	NTU	0.1	0.1	0.30	0.30	0.0	1.00
EB3	2022-04-27	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-04-27	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-04-27	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-05-04	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-05-04	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-05-04	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-04	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-04	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-05-04	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-04	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-04	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-04	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-04	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-04	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-04	Cond-L	uS/cm	2	2	6.5	6.5	0.0	1.00
EB3	2022-05-04	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-04	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-04	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-05-04	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB3	2022-05-04	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-05-04	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-05-04	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-04	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-05-04	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-05-04	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB3	2022-05-04	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-04	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-04	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-04	pH-L	pH Units			5.00	5.00	0.0	1.00
EB3	2022-05-04	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-05-04	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-05-04	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-05-04	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-05-04	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-05-04	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-04	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-04	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-05-04	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	TI-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-04	TI-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-04	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-05-04	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-04	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-04	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-05-10	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB3	2022-05-10	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-05-10	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-10	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-10	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB3	2022-05-10	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-10	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-10	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-10	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-10	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-10	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-10	Cond-L	uS/cm	2	2	2.3	2.3	0.0	1.00
EB3	2022-05-10	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-10	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-10	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-05-10	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB3	2022-05-10	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-05-10	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB3	2022-05-10	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-10	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-05-10	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB3	2022-05-10	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB3	2022-05-10	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB3	2022-05-10	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-10	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB3	2022-05-10	pH-L	pH Units			5.74	5.74	0.0	1.00
EB3	2022-05-10	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-05-10	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB3	2022-05-10	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-05-10	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-05-10	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB3	2022-05-10	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB3	2022-05-10	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB3	2022-05-10	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB3	2022-05-10	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-10	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB3	2022-05-10	Turb	NTU	0.1	0.1	0.19	0.19	0.0	1.00
EB3	2022-05-10	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB3	2022-05-10	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB3	2022-05-10	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-07	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-07	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB4	2022-04-07	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-07	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-07	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB4	2022-04-07	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-07	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-07	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-07	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-07	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-07	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-07	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB4	2022-04-07	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-07	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-07	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-07	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB4	2022-04-07	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-07	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-07	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-07	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-07	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-07	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-07	Na-T	mg/L	0.05	0.05	0.076	0.076	0.0	1.00
EB4	2022-04-07	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB4	2022-04-07	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-07	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-07	pH-L	pH Units			5.80	5.80	0.0	1.00
EB4	2022-04-07	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-07	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-07	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-07	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-07	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-07	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-07	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-07	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-07	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-07	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-07	Turb	NTU	0.1	0.1	0.12	0.12	0.0	1.00
EB4	2022-04-07	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-07	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-07	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-13	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-13	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB4	2022-04-13	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-13	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-13	Al-T	mg/L	0.003	0.003	0.0034	0.0034	0.0	1.00
EB4	2022-04-13	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-13	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-13	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-13	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-13	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-13	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-13	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB4	2022-04-13	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-13	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-13	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-13	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB4	2022-04-13	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-13	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-13	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-13	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-13	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-13	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Na-D	mg/L	0.05	0.05	0.184	0.184	0.0	1.00
EB4	2022-04-13	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-13	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-13	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB4	2022-04-13	pH-L	pH Units			5.50	5.50	0.0	1.00
EB4	2022-04-13	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-13	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-13	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-13	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-13	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-13	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-13	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-13	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-13	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	TI-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-13	TI-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-13	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-13	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-13	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-13	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-21	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-21	Al-D	mg/L	0.003	0.003	0.0044	0.0044	0.0	1.00
EB4	2022-04-21	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-21	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-21	Al-T	mg/L	0.003	0.003	0.0032	0.0032	0.0	1.00
EB4	2022-04-21	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-21	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	Ca-D	mg/L	0.05	0.05	0.052	0.052	0.0	1.00
EB4	2022-04-21	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-21	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-21	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-21	Cl-D	mg/L	1	1	1.1	1.1	0.0	1.00
EB4	2022-04-21	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-21	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB4	2022-04-21	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-21	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-21	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-21	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB4	2022-04-21	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-21	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-21	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-21	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-21	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-21	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Na-D	mg/L	0.05	0.05	0.142	0.142	0.0	1.00
EB4	2022-04-21	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-21	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-21	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-21	pH-L	pH Units			5.19	5.19	0.0	1.00
EB4	2022-04-21	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-21	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB4	2022-04-21	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-21	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-21	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-21	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-21	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-21	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-21	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	TI-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-21	TI-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-21	Turb	NTU	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-21	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	Zn-D	mg/L	0.005	0.005	0.0068	0.0068	0.0	1.00
EB4	2022-04-21	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-21	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-21	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-27	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-04-27	Al-D	mg/L	0.003	0.003	0.0037	0.0037	0.0	1.00
EB4	2022-04-27	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-27	Alk-T	mg/L	1	1	1.9	1.9	0.0	1.00
EB4	2022-04-27	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB4	2022-04-27	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	Bicarb	mg/L	1	1	2.3	2.3	0.0	1.00
EB4	2022-04-27	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-27	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-27	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-27	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-27	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-27	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-27	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-27	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-27	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB4	2022-04-27	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-27	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-04-27	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-27	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-27	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-04-27	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-04-27	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-27	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-04-27	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-27	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-04-27	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-27	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-04-27	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB4	2022-04-27	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-04-27	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-04-27	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-04-27	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-27	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-04-27	Turb	NTU	0.1	0.1	0.28	0.28	0.0	1.00
EB4	2022-04-27	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-04-27	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-04-27	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-05-04	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
EB4	2022-05-04	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB4	2022-05-04	Alk-PP	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-05-04	Alk-T	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-05-04	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
EB4	2022-05-04	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	Bicarb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-05-04	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Carb	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-05-04	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-05-04	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-05-04	Cl-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-05-04	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-05-04	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
EB4	2022-05-04	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-05-04	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-05-04	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-05-04	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
EB4	2022-05-04	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-05-04	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
EB4	2022-05-04	Hydrox	mg/L	1	1	<1.0	<1.0	0.0	1.00
EB4	2022-05-04	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-05-04	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
EB4	2022-05-04	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
EB4	2022-05-04	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-05-04	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
EB4	2022-05-04	pH-L	pH Units			5.47	5.47	0.0	1.00
EB4	2022-05-04	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-05-04	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
EB4	2022-05-04	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-05-04	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-05-04	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
EB4	2022-05-04	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
EB4	2022-05-04	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
EB4	2022-05-04	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
EB4	2022-05-04	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-05-04	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
EB4	2022-05-04	Turb	NTU	0.1	0.1	0.14	0.14	0.0	1.00
EB4	2022-05-04	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
EB4	2022-05-04	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
EB4	2022-05-04	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-05-09	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-05-09	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-05-09	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-05-09	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-05-09	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
TB	2022-05-09	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-05-09	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-05-09	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-05-09	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-05-09	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-05-09	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-05-09	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-05-09	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-05-09	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-05-09	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-05-09	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-05-09	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
TB	2022-05-09	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-05-09	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-05-09	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-05-09	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00

Appendix 1 - Tables (April through June 2022)

Table 44 Blanks 22 Page(s)

Field Blanks (FB), Trip Blanks (TB), Equipment Blanks (EB)									
Stn.Code 1	Date	Parameter Code	Units	MDL 1	MDL 2	Result 1	Result 2	Rel.% Diff.	Ratio
TB	2022-05-09	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-05-09	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-05-09	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Ag-D	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-06-06	Ag-T	mg/L	0.00002	0.00002	<0.000020	<0.000020	0.0	1.00
TB	2022-06-06	Al-D	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-06-06	Al-T	mg/L	0.003	0.003	<0.0030	<0.0030	0.0	1.00
TB	2022-06-06	As-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	As-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Ba-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Ba-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	B-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Be-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Be-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Bi-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Bi-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	B-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Ca-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Ca-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Cd-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	Cd-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	Co-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Cond-L	uS/cm	2	2	<2.0	<2.0	0.0	1.00
TB	2022-06-06	Co-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Cr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Cr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Cu-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Cu-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-06-06	Fe-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Fe-T	mg/L	0.01	0.01	<0.010	<0.010	0.0	1.00
TB	2022-06-06	Hard-D	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-06-06	Hard-T	mg/L	0.5	0.5	<0.50	<0.50	0.0	1.00
TB	2022-06-06	K-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	K-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Li-D	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-06-06	Li-T	mg/L	0.002	0.002	<0.0020	<0.0020	0.0	1.00
TB	2022-06-06	Mg-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Mg-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Mn-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Mn-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Mo-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Mo-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Na-D	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Na-T	mg/L	0.05	0.05	<0.050	<0.050	0.0	1.00
TB	2022-06-06	Ni-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Ni-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Pb-D	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	Pb-T	mg/L	0.0002	0.0002	<0.00020	<0.00020	0.0	1.00
TB	2022-06-06	pH-L	pH Units			5.62	5.62	0.0	1.00
TB	2022-06-06	Sb-D	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-06-06	Sb-T	mg/L	0.0005	0.0005	<0.00050	<0.00050	0.0	1.00
TB	2022-06-06	S-D	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-06-06	Se-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Se-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Si-D	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-06-06	Si-T	mg/L	0.1	0.1	<0.10	<0.10	0.0	1.00
TB	2022-06-06	Sn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Sn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	SO4-D	mg/L	1	1	<1.0	<1.0	0.0	1.00
TB	2022-06-06	Sr-D	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	Sr-T	mg/L	0.001	0.001	<0.0010	<0.0010	0.0	1.00
TB	2022-06-06	S-T	mg/L	3	3	<3.0	<3.0	0.0	1.00
TB	2022-06-06	Ti-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Ti-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Tl-D	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	Tl-T	mg/L	0.00001	0.00001	<0.000010	<0.000010	0.0	1.00
TB	2022-06-06	U-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	U-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	V-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	V-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Zn-D	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Zn-T	mg/L	0.005	0.005	<0.0050	<0.0050	0.0	1.00
TB	2022-06-06	Zr-D	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00
TB	2022-06-06	Zr-T	mg/L	0.0001	0.0001	<0.00010	<0.00010	0.0	1.00