

QC Review

Organization Name

August 30, 2022

Prepared by:

QAPP version:

Data Quality Objectives

	Frequency %					
Parameter	Field Duplicate	Lab Duplicate	Field Blank	Lab Blank	Spike/Check Accuracy	% Completeness
Water Temp	10	10	-	-	-	90
pH	10	10	-	-	10	90
DO	10	10	-	10	10	90
Conductivity	10	10	-	10	10	90
TSS	10	5	10	5	5	90
TP	10	5	10	5	5	90
Ortho P	10	5	10	5	5	90
Nitrate	10	5	10	5	5	90
Ammonia	10	5	10	5	5	90
Chloride	10	5	10	5	5	90
Chl a	10	5	10	5	5	90

Parameter	uom	MDL	UQL	Value Range	Field Duplicate	Lab Duplicate	Field Blank	Lab Blank	Spike/Check Accuracy
Water Temp	deg C	-	-	all	<= 10%	<= 10%	-	-	-
pH	-	-	-	all	<= 0.5	<= 0.5	-	-	<= 0.2
DO	mg/l	0.1	-	< 4	<= 20%	<= 20%	< 0.1	< 0.1	<= 5%
DO	mg/l	0.1	-	>= 4	<= 10%	<= 10%	< 0.1	< 0.1	<= 5%
Sp Conductance	uS/cm	1	-	< 250	<= 30%	<= 20%	< 25	< 25	<= 50
Sp Conductance	uS/cm	1	-	>= 250	<= 20%	<= 10%	< 25	< 25	<= 50
TSS	mg/l	1	-	< 3	<= 1	<= 20%	BDL	BDL	-
TSS	mg/l	1	-	>= 3	<= 30%	<= 20%	BDL	BDL	-
TP	mg/l	0.01	-	< 0.05	<= 0.02	<= 0.01	BDL	BDL	<= 0.01
TP	mg/l	0.01	-	>= 0.05	<= 30%	<= 20%	BDL	BDL	<= 15%
Ortho P	mg/l	0.01	-	< 0.05	<= 0.01	<= 20%	BDL	BDL	<= 0.01
Ortho P	mg/l	0.01	-	>= 0.05	<= 20%	<= 20%	BDL	BDL	<= 15%
Nitrate	mg/l	0.05	-	all	<= 30%	<= 20%	BDL	BDL	<= 15%
Ammonia	mg/l	0.05	-	all	<= 30%	<= 20%	BDL	BDL	<= 15%
Chloride	mg/l	1	-	all	<= 30%	<= 20%	BDL	BDL	<= 15%
Chl a	ug/l	2	-	< 15	<= 2	<= 20%	BDL	BDL	-
Chl a	ug/l	2	-	>= 15	<= 20%	<= 20%	BDL	BDL	-
E.coli	cfu/100ml	10	2400	<50	<=log30%	<=log30%	BDL	BDL	-
E.coli	cfu/100ml	10	2400	>=50	<=log20%	<=log20%	BDL	BDL	-
E.coli	cfu/100ml	10	2400	>=500	<=log10%	<=log10%	BDL	BDL	-
E.coli	cfu/100ml	10	2400	>=5000	<=log5%	<=log5%	BDL	BDL	-

Notes:

QC Frequencies for 1/14/2021 to 11/14/2021

Type	Parameter	Number of Data Records	Number of Dups/Blanks/Spikes	Frequency %	Hit/Miss
Field Duplicates					
	Ammonia	138	0	0%	MISS
	Chl a	18	0	0%	MISS
	DO	199	0	0%	MISS
	Nitrate	96	8	8%	MISS
	Ortho P	175	0	0%	MISS
	pH	199	0	0%	MISS
	TP	205	15	7%	MISS
	TSS	202	0	0%	MISS
	Water Temp	382	43	11%	
Lab Duplicates					
	Ammonia	138	0	0%	MISS
	Chl a	18	0	0%	MISS
	DO	199	0	0%	MISS
	Nitrate	96	11	11%	
	Ortho P	175	0	0%	MISS
	pH	199	6	3%	MISS
	TP	205	12	6%	
	TSS	202	0	0%	MISS
	Water Temp	382	0	0%	MISS
Field Blanks					
	Ammonia	138	7	5%	MISS
	Chl a	18	0	0%	MISS
	Nitrate	96	0	0%	MISS
	Ortho P	175	0	0%	MISS
	TP	205	9	4%	MISS
	TSS	202	0	0%	MISS
Lab Blanks					
	Ammonia	138	9	7%	
	Chl a	18	0	0%	MISS
	DO	199	0	0%	MISS
	Nitrate	96	0	0%	MISS
	Ortho P	175	0	0%	MISS
	TP	205	8	4%	MISS
	TSS	202	0	0%	MISS
Lab Spikes					
	Ammonia	138	0	0%	MISS
	Chl a	18	0	0%	MISS
	Nitrate	96	6	6%	
	Ortho P	175	8	5%	MISS

Type	Parameter	Number of Data Records	Number of Dups/Blanks/Spikes	Frequency %	Hit/Miss
	TP	205	21	10%	
	TSS	202	0	0%	MISS
Instrument Checks					
	DO	199	2	1%	MISS
	pH	199	9	5%	MISS

Notes:

Parameter	Field Duplicate	Lab Duplicate	Field Blank	Lab Blank	Spike/Check Accuracy
Ammonia	0%	0%	5%	7%	0%
Chl a	0%	0%	0%	0%	0%
DO	0%	0%	-	0%	1%
Nitrate	8%	11%	0%	0%	6%
Ortho P	0%	0%	0%	0%	5%
pH	0%	3%	-	-	5%
TP	7%	6%	4%	4%	10%
TSS	0%	0%	0%	0%	0%
Water Temp	11%	0%	-	-	-

QC Accuracy Summary for 1/14/2021 to 11/14/2021

Type	Parameter	Number of QC Checks	Number of Misses	% Acceptance
Field Duplicates				
	Ammonia	0	-	-
	Chl a	0	-	-
	DO	0	-	-
	E.coli	22	8	64 %
	Nitrate	8	2	75 %
	Ortho P	0	-	-
	pH	0	-	-
	Sp Conductance	7	1	86 %
	TP	15	6	60 %
	TSS	0	-	-
	Water Temp	43	1	98 %
Lab Duplicates				
	Ammonia	0	-	-
	Chl a	0	-	-
	DO	0	-	-
	E.coli	6	3	50 %
	Nitrate	11	5	55 %
	Ortho P	0	-	-
	pH	6	2	67 %
	TP	12	4	67 %
	TSS	0	-	-
	Water Temp	0	-	-
Field Blanks				
	Ammonia	7	2	71 %
	Chl a	0	-	-
	E.coli	3	2	33 %
	Nitrate	0	-	-
	Ortho P	0	-	-
	TP	9	3	67 %
	TSS	0	-	-
Lab Blanks				
	Ammonia	9	2	78 %
	Chl a	0	-	-
	DO	0	-	-
	Nitrate	0	-	-
	Ortho P	0	-	-
	Sp Conductance	5	2	60 %
	TP	8	3	62 %
	TSS	0	-	-
Lab Spikes				

Type	Parameter	Number of QC Checks	Number of Misses	% Acceptance
	Ammonia	0	-	-
	Chl a	0	-	-
	Nitrate	6	2	67 %
	Ortho P	8	3	62 %
	TP	21	2	90 %
	TSS	0	-	-
Instrument Checks				
	DO	2	1	50 %
	pH	9	6	33 %
	Sp Conductance	11	4	64 %

Notes:

Parameter	Field Duplicate	Lab Duplicate	Field Blank	Lab Blank	Spike/Check Accuracy
Ammonia	-	-	71%	78%	-
Chl a	-	-	-	-	-
DO	-	-	-	-	50%
E.coli	64%	50%	33%	-	-
Nitrate	75%	55%	-	-	67%
Ortho P	-	-	-	-	62%
pH	-	67%	-	-	33%
Sp Conductance	86%	-	-	60%	64%
TP	60%	67%	67%	62%	90%
TSS	-	-	-	-	-
Water Temp	98%	-	-	-	-

Data Completeness for 1/14/2021 to 11/14/2021

Parameter	Number of Data Records	Number of Qualified Records	% Completeness	Hit/ Miss	Number of Censored Records	Notes
Ammonia	138	0	100%			
Chl a	18	0	100%			
DO	199	19	90%			
Nitrate	96	0	100%			
Ortho P	175	0	100%			
pH	199	6	97%			
TP	205	32	84%	MISS		
TSS	202	0	100%			
Water Temp	382	1	100%			

Notes:

QC Raw Data for 1/14/2021 to 11/14/2021

Field Blanks

Parameter	Date	Site	Result	Threshold	Hit/Miss
Ammonia					
	2021-07-11	ABT-062	0.2 mg/l	0.05 mg/l	MISS
	2021-07-11	ABT-237	BDL	0.05 mg/l	
	2021-07-11	ABT-301	0.1 mg/l	0.05 mg/l	MISS
	2021-07-11	DAN-013	BDL	0.05 mg/l	
	2021-07-11	CND-036	0.02 mg/l	0.05 mg/l	
	2021-07-11	ABT-144	BDL	0.05 mg/l	
	2021-07-11	ABT-026	BDL	0.05 mg/l	
E.coli					
	2021-09-13	SUD-236	BDL	10 cfu/100ml	
	2021-09-13	NSH-002	15 cfu/100ml	10 cfu/100ml	MISS
	2021-09-13	ABT-162	128 cfu/100ml	10 cfu/100ml	MISS
TP					
	2021-06-13	ABT-062	BDL	0.01 mg/l	
	2021-06-13	CND-110	BDL	0.01 mg/l	
	2021-06-13	CND-036	BDL	0.02 mg/l	
	2021-06-13	CND-009	0.01 mg/l	0.01 mg/l	MISS
	2021-06-13	HBS-016	0.1 mg/l	0.01 mg/l	MISS
	2021-06-13	ABT-026	BDL	0.01 mg/l	
	2021-06-13	NSH-002	BDL	0.01 mg/l	
	2021-06-13	NSH-047	0.02 mg/l	0.01 mg/l	MISS
	2021-06-15	CND-036	0.008 mg/l	0.01 mg/l	

Notes:

Lab Blanks

Parameter	Date	Sample ID	Result	Threshold	Hit/Miss
Ammonia					
	2021-02-15		BDL	0.2 mg/l	
	2021-02-16		0.01 mg/l	0.05 mg/l	
	2021-07-11		0.4 mg/l	0.05 mg/l	MISS
	2021-07-11		BDL	0.05 mg/l	
	2021-07-11		BDL	0.05 mg/l	
	2021-07-11		BDL	0.05 mg/l	
	2021-07-11		0.11 mg/l	0.05 mg/l	MISS
	2021-07-11		BDL	0.05 mg/l	
	2021-07-11		BDL	0.05 mg/l	

Parameter	Date	Sample ID	Result	Threshold	Hit/Miss
Sp Conductance					
	2021-04-11		45 uS/cm	25 uS/cm	MISS
	2021-04-11		5 uS/cm	25 uS/cm	
	2021-04-11		25 uS/cm	25 uS/cm	MISS
	2021-04-12		BDL	50 uS/cm	
	2021-04-13		BDL	25 uS/cm	
TP					
	2021-06-13	K17452-MB1	BDL	0.01 mg/l	
	2021-06-13	K17453-MB1	0.1 mg/l	0.01 mg/l	MISS
	2021-06-13	K17452-MB2	BDL	0.01 mg/l	
	2021-06-13	K17453-MB2	BDL	0.01 mg/l	
	2021-06-13	K17452-MB3	0.02 mg/l	0.01 mg/l	MISS
	2021-06-13	K17453-MB3	BDL	0.01 mg/l	
	2021-06-13	K17452-MB4	BDL	0.01 mg/l	
	2021-06-13	K17453-MB4	0.03 mg/l	0.01 mg/l	MISS

Notes:

Field Duplicates

Parameter	Date	Site	Initial Result	Dup. Result	Diff./RPD	Hit/Miss
E.coli						
	2021-06-07	RVM-001	530 cfu/100ml	600 cfu/100ml	2% logRPD	
	2021-06-07	RME-003	260 cfu/100ml	260 cfu/100ml	0% logRPD	
	2021-06-14	RVM-027	170 cfu/100ml	500 cfu/100ml	19% logRPD	
	2021-06-14	HBS-057	10 cfu/100ml	12 cfu/100ml	8% logRPD	
	2021-06-28	RVM-022	280 cfu/100ml	45 cfu/100ml	39% logRPD	MISS
	2021-06-28	SUD-096	50 cfu/100ml	45 cfu/100ml	3% logRPD	
	2021-07-06	RVM-001	890 cfu/100ml	950 cfu/100ml	1% logRPD	
	2021-07-19	CND-009	10 cfu/100ml	20 cfu/100ml	26% logRPD	
	2021-07-19	RVM-001	10 cfu/100ml	30 cfu/100ml	39% logRPD	MISS
	2021-07-26	HBS-031	192 cfu/100ml	60 cfu/100ml	25% logRPD	MISS
	2021-07-26	RVM-022	160 cfu/100ml	120 cfu/100ml	6% logRPD	
	2021-07-26	SUD-236	140 cfu/100ml	110 cfu/100ml	5% logRPD	
	2021-08-09	RME-003	340 cfu/100ml	1300 cfu/100ml	21% logRPD	MISS
	2021-08-09	ABT-077	5500 cfu/100ml	8000 cfu/100ml	4% logRPD	
	2021-08-16	RVM-001	320 cfu/100ml	600 cfu/100ml	10% logRPD	
	2021-08-16	RVM-004	5500 cfu/100ml	9999 cfu/100ml	7% logRPD	MISS
	2021-08-24	SUD-236	808 cfu/100ml	1000 cfu/100ml	3% logRPD	
	2021-08-30	SUD-236	36 cfu/100ml	31 cfu/100ml	4% logRPD	
	2021-08-30	CND-110	32 cfu/100ml	80 cfu/100ml	23% logRPD	MISS
	2021-09-07	RVM-0015	1020 cfu/100ml	2500 cfu/100ml	12% logRPD	MISS

Parameter	Date	Site	Initial Result	Dup. Result	Diff./RPD	Hit/Miss
	2021-09-07	RVM-012	1020 cfu/100ml	1800 cfu/100ml	8% logRPD	
	2021-09-13	RVM-005	AQL	450 cfu/100ml	15% logRPD	MISS
Nitrate						
	2021-05-16	ABT-026	0.71 mg/l	0.8 mg/l	12% RPD	
	2021-05-16	NSH-047	0.25 mg/l	0.3 mg/l	18% RPD	
	2021-05-16	NSH-002	0.23 mg/l	0.45 mg/l	65% RPD	MISS
	2021-05-16	ABT-077	0.82 mg/l	0.8 mg/l	2% RPD	
	2021-05-16	ELZ-004	0.1 mg/l	0.12 mg/l	18% RPD	
	2021-05-16	CND-009	0.34 mg/l	0.34 mg/l	0% RPD	
	2021-05-16	HBS-016	0.46 mg/l	0.45 mg/l	2% RPD	
	2021-05-16	DAN-013	BDL	0.08 mg/l	46% RPD	MISS
Sp Conductance						
	2021-05-19	HBS-088P	138 uS/cm	148 uS/cm	7% RPD	
	2021-05-19	HBS-095P	138 uS/cm	149 uS/cm	8% RPD	
	2021-05-19	HBS-098	138.5 uS/cm	149.6 uS/cm	8% RPD	
	2021-07-26	HBS-098	928 uS/cm	930 uS/cm	0% RPD	
	2021-08-15	ABT-062	625 uS/cm	725 uS/cm	15% RPD	
	2021-08-15	SUD-086	531 uS/cm	515 uS/cm	3% RPD	
	2021-08-15	CND-110	510 uS/cm	800 uS/cm	44% RPD	MISS
TP						
	2021-05-16	ABT-301	0.03 mg/l	0.06 mg/l	0.03 mg/l	MISS
	2021-06-13	ABT-062	0.1 mg/l	0.11 mg/l	10% RPD	
	2021-06-13	CND-110	0.09 mg/l	0.1 mg/l	11% RPD	
	2021-06-13	CND-036	0.14 mg/l	0.15 mg/l	7% RPD	
	2021-06-13	CND-009	0.07 mg/l	0.07 mg/l	0% RPD	
	2021-06-13	HBS-016	0.16 mg/l	0.1 mg/l	46% RPD	MISS
	2021-06-13	ABT-026	0.14 mg/l	0.2 mg/l	35% RPD	MISS
	2021-06-13	NSH-002	0.07 mg/l	0.08 mg/l	13% RPD	
	2021-06-13	NSH-047	0.12 mg/l	0.2 mg/l	50% RPD	MISS
	2021-07-11	ABT-237	0.05 mg/l	0.04 mg/l	0.01 mg/l	
	2021-07-11	SUD-064	0.05 mg/l	0.03 mg/l	0.02 mg/l	
	2021-07-11	DAN-013	0.05 mg/l	0.02 mg/l	0.03 mg/l	MISS
	2021-07-11	HBS-016	BDL	0.04 mg/l	0.02 mg/l	
	2021-07-12	HBS-016	BDL	BDL	0 mg/l	
	2021-07-13	HBS-016	0.05 mg/l	BDL	0.03 mg/l	MISS
Water Temp						
	2021-01-14	HBS-016	1 deg C	1 deg C	0% RPD	
	2021-01-14	LND-007	1 deg C	1 deg C	0% RPD	
	2021-01-14	HBS-031	2 deg C	2 deg C	0% RPD	
	2021-01-14	HBS-065	2 deg C	2 deg C	0% RPD	
	2021-01-14	CRN-002	2 deg C	2 deg C	0% RPD	
	2021-01-14	HBS-085	3 deg C	3 deg C	0% RPD	
	2021-01-14	HBS-095	4.5 deg C	4.5 deg C	0% RPD	

Parameter	Date	Site	Initial Result	Dup. Result	Diff./RPD	Hit/Miss
	2021-02-15	HBS-095	3.5 deg C	3.5 deg C	0% RPD	
	2021-02-15	HBS-031	0.5 deg C	0.5 deg C	0% RPD	
	2021-02-15	CRN-002	1.5 deg C	1.5 deg C	0% RPD	
	2021-02-15	HBS-076	1.5 deg C	1.5 deg C	0% RPD	
	2021-02-15	HBS-085	2.5 deg C	3.5 deg C	33% RPD	MISS
	2021-03-21	NSH-002	5.5 deg C	5.6 deg C	2% RPD	
	2021-03-21	SUD-005	5.5 deg C	5.5 deg C	0% RPD	
	2021-03-21	NSH-047	3.7 deg C	3.7 deg C	0% RPD	
	2021-03-21	ABT-026	5.2 deg C	5.2 deg C	0% RPD	
	2021-03-21	DAN-013	3 deg C	3 deg C	0% RPD	
	2021-03-21	ABT-312	5.4 deg C	5.4 deg C	0% RPD	
	2021-03-31	LND-007	9 deg C	9 deg C	0% RPD	
	2021-03-31	CRN-002	9 deg C	9 deg C	0% RPD	
	2021-03-31	HBS-095	11 deg C	11 deg C	0% RPD	
	2021-05-16	NSH-002	16.8 deg C	16.8 deg C	0% RPD	
	2021-05-16	ABT-301	16.5 deg C	16.5 deg C	0% RPD	
	2021-05-16	ELZ-004	16 deg C	16 deg C	0% RPD	
	2021-05-16	ABT-312	18 deg C	18 deg C	0% RPD	
	2021-05-16	DAN-013	15.5 deg C	15.5 deg C	0% RPD	
	2021-05-19	HBS-057	20 deg C	20 deg C	0% RPD	
	2021-05-19	HBS-085	20.2 deg C	20.2 deg C	0% RPD	
	2021-06-07	CND-009	22 deg C	22 deg C	0% RPD	
	2021-06-07	SUD-236	20 deg C	20 deg C	0% RPD	
	2021-06-07	RVM-001	23 deg C	23 deg C	0% RPD	
	2021-06-07	ABT-162	22 deg C	22 deg C	0% RPD	
	2021-06-07	RVM-005	23 deg C	23 deg C	0% RPD	
	2021-06-07	SUD-096	24 deg C	24 deg C	0% RPD	
	2021-06-07	ABT-077	22 deg C	22 deg C	0% RPD	
	2021-06-07	RVM-022	23 deg C	23 deg C	0% RPD	
	2021-06-07	RME-003	21 deg C	21 deg C	0% RPD	
	2021-06-07	CND-110	23 deg C	23 deg C	0% RPD	
	2021-06-13	ABT-301	19.2 deg C	19.2 deg C	0% RPD	
	2021-06-13	DAN-013	17.8 deg C	17.8 deg C	0% RPD	
	2021-06-13	ELZ-004	19.3 deg C	19.3 deg C	0% RPD	
	2021-06-14	CND-009	22.8 deg C	22.8 deg C	0% RPD	
	2021-09-14	HBS-057	18.3 deg C	18.3 deg C	0% RPD	

Notes:

Lab Duplicates

Parameter	Date	Sample ID	Initial Result	Dup. Result	Diff./RPD	Hit/Miss
E.coli						
	2021-07-12	R2546-9	40 cfu/100ml	10 cfu/100ml	46% logRPD	MISS
	2021-07-12	R2546-10	35 cfu/100ml	37 cfu/100ml	2% logRPD	
	2021-07-19	R2546-11	100 cfu/100ml	400 cfu/100ml	26% logRPD	MISS
	2021-07-19	R2546-13	100 cfu/100ml	250 cfu/100ml	18% logRPD	
	2021-07-19	R2546-12	800 cfu/100ml	400 cfu/100ml	11% logRPD	MISS
Nitrate	2021-09-13	R2546-8	128 cfu/100ml	150 cfu/100ml	3% logRPD	
	2021-05-16	K16452-MB1	0.8 mg/l	0.9 mg/l	12% RPD	
	2021-05-16	K16453-MB1	0.3 mg/l	0.3 mg/l	0% RPD	
	2021-05-16	K16454-MB1	0.45 mg/l	0.3 mg/l	40% RPD	MISS
	2021-05-16	K16452-MB2	0.8 mg/l	0.82 mg/l	2% RPD	
	2021-05-16	K16453-MB2	0.12 mg/l	0.3 mg/l	86% RPD	MISS
	2021-05-16	K16454-MB2	0.34 mg/l	0.21 mg/l	47% RPD	MISS
	2021-05-16	K16452-MB3	0.45 mg/l	0.46 mg/l	2% RPD	
	2021-05-16	K16453-MB3	0.08 mg/l	0.08 mg/l	0% RPD	
	2021-06-16	K16452-MB3	0.05 mg/l	0.07 mg/l	33% RPD	MISS
	2021-06-16	K16452-MB3	0.02 mg/l	0.03 mg/l	40% RPD	MISS
	2021-06-16	K16452-MB3	BDL	0.11 mg/l	10% RPD	
pH						
	2021-07-12		7.2 s.u.	7.25 s.u.	0.05 s.u.	
	2021-07-13		6.1 s.u.	6.5 s.u.	0.4 s.u.	
	2021-07-14		6.85 s.u.	6.95 s.u.	0.1 s.u.	
	2021-07-15		7.2 s.u.	9 s.u.	1.8 s.u.	MISS
	2021-07-16		6.15 s.u.	6.65 s.u.	0.5 s.u.	
TP	2021-07-17		6.15 s.u.	6.66 s.u.	0.51 s.u.	MISS
	2021-06-13		0.11 mg/l	0.12 mg/l	9% RPD	
	2021-06-13		0.1 mg/l	0.09 mg/l	11% RPD	
	2021-06-13		0.15 mg/l	BDL	175% RPD	MISS
	2021-06-13		0.07 mg/l	0.08 mg/l	13% RPD	
	2021-06-13		0.07 mg/l	0.1 mg/l	35% RPD	MISS
	2021-06-13		0.04 mg/l	0.01 mg/l	0.03 mg/l	MISS
	2021-06-13		0.04 mg/l	0.05 mg/l	0.01 mg/l	
	2021-06-13		0.4 mg/l	0.44 mg/l	10% RPD	
	2021-06-13		0.2 mg/l	0.4 mg/l	67% RPD	MISS
	2021-06-13		0.08 mg/l	0.08 mg/l	0% RPD	
	2021-06-13		0.2 mg/l	0.21 mg/l	5% RPD	
	2021-08-14		0.0085 mg/l	0.0095 mg/l	0.001 mg/l	

Notes:

Lab Spikes

Parameter	Date	Sample ID	Spike	Amt Recovered	% Recovery	Hit/Miss
Nitrate						
	2021-05-16	NO3-1	0.8 mg/l	0.9 mg/l	112%	
	2021-05-16	NO3-2	0.3 mg/l	0.3 mg/l	100%	
	2021-05-16	NO3-3	0.45 mg/l	0.3 mg/l	67%	MISS
	2021-05-16	NO3-4	0.8 mg/l	0.82 mg/l	102%	
	2021-05-16	NO3-5	0.12 mg/l	0.15 mg/l	125%	MISS
	2021-05-16	NO3-6	0.34 mg/l	0.38 mg/l	112%	
Ortho P						
	2021-02-12		BDL	BDL	100%	
	2021-02-13		0.02 mg/l	BDL	50%	
	2021-02-14		0.05 mg/l	0.04 mg/l	80%	
	2021-02-15		0.06 mg/l	0.04 mg/l	67%	MISS
	2021-02-16		0.06 mg/l	0.03 mg/l	50%	MISS
	2021-02-17		0.054 mg/l	0.046 mg/l	85%	
	2021-02-18		0.042 mg/l	0.051 mg/l	121%	
	2021-02-19		0.0545 mg/l	0.0455 mg/l	83%	MISS
TP						
	2021-06-13		0.11 mg/l	0.12 mg/l	109%	
	2021-06-13		0.1 mg/l	0.09 mg/l	90%	
	2021-06-13		0.15 mg/l	0.2 mg/l	133%	MISS
	2021-06-13		0.07 mg/l	0.08 mg/l	114%	
	2021-06-13		0.07 mg/l	0.1 mg/l	143%	MISS
	2021-06-14		0.08 mg/l	0.08 mg/l	100%	
	2021-06-14		0.08 mg/l	0.08 mg/l	100%	
	2021-06-14		0.08 mg/l	0.08 mg/l	100%	
	2021-06-14		0.08 mg/l	0.08 mg/l	100%	
	2021-06-15		0.07 mg/l	0.07 mg/l	100%	
	2021-06-15		0.07 mg/l	0.07 mg/l	100%	
	2021-06-15		0.07 mg/l	0.07 mg/l	100%	
	2021-06-15		0.07 mg/l	0.07 mg/l	100%	
	2021-06-16		0.051 mg/l	0.05 mg/l	98%	
	2021-06-16		0.051 mg/l	0.05 mg/l	98%	
	2021-06-16		0.02 mg/l	0.01 mg/l	50%	
	2021-06-16		0.051 mg/l	0.05 mg/l	98%	
	2021-06-17		0.21 mg/l	0.2 mg/l	95%	
	2021-06-17		0.21 mg/l	0.2 mg/l	95%	
	2021-06-17		0.03 mg/l	0.02 mg/l	67%	
	2021-06-17		0.21 mg/l	0.2 mg/l	95%	

Notes:

Instrument Checks (post sampling)

Parameter	Date	Sample ID	Calibration Standard	Instrument Reading	Accuracy	Hit/Miss
DO						
	2021-10-15		6 mg/l	6.4 mg/l	0.4 mg/l	MISS
	2021-10-16		6 mg/l	6.2 mg/l	0.2 mg/l	
pH						
	2021-06-13	pH-6-13-2	7 s.u.	7.21 s.u.	0.21 s.u.	MISS
	2021-06-13	pH-6-13-3	7 s.u.	7.38 s.u.	0.38 s.u.	MISS
	2021-06-13	pH-6-13-4	7 s.u.	7.39 s.u.	0.39 s.u.	MISS
	2021-06-13	pH-6-13-5	7 s.u.	7.23 s.u.	0.23 s.u.	MISS
	2021-06-13	pH-6-13-6	7 s.u.	6.92 s.u.	0.08 s.u.	
	2021-06-13	pH-6-13-7	7 s.u.	7.23 s.u.	0.23 s.u.	MISS
	2021-06-15	pH-6-15-5	7.02 s.u.	7.23 s.u.	0.21 s.u.	MISS
	2021-06-16	pH-6-16-5	7.02 s.u.	7.02 s.u.	0 s.u.	
	2021-06-17	pH-6-17-5	7.02 s.u.	7.056 s.u.	0.036 s.u.	
Sp Conductance						
	2021-08-12		1000 uS/cm	986.2 uS/cm	13.8 uS/cm	
	2021-09-12		1000 uS/cm	1010 uS/cm	10 uS/cm	
	2021-09-12		1000 uS/cm	950 uS/cm	50 uS/cm	
	2021-09-12		1000 uS/cm	1001 uS/cm	1 uS/cm	
	2021-09-12		1000 uS/cm	1040 uS/cm	40 uS/cm	
	2021-09-12		1000 uS/cm	1100 uS/cm	100 uS/cm	MISS
	2021-09-12		100 uS/cm	165 uS/cm	65 uS/cm	MISS
	2021-09-12		1000 uS/cm	750 uS/cm	250 uS/cm	MISS
	2021-09-12		1000 uS/cm	999 uS/cm	1 uS/cm	
	2021-09-12		1000 uS/cm	980 uS/cm	20 uS/cm	
	2021-09-12		1000 uS/cm	420 uS/cm	580 uS/cm	MISS

Notes: