

CERTIFICATE OF ANALYSIS

REPORTED TO Mid Shuswap Lumby Water Stewards

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Lumby, BC V0E 2G6 FAX

ATTENTION Russ Collins WORK ORDER 4090995

PO NUMBER RECEIVED / TEMP Sep-15-14 09:00 / 3°C

PROJECTAnalytical TestingREPORTEDSep-23-14PROJECT INFOCOC NUMBER40837.558

General Comments:

CARO Analytical Services employs methods which are conducted according to procedures accepted by appropriate regulatory agencies, and/or are conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts, except where otherwise agreed to by the client.

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Issued By:

Karin Miyazaki For Jennifer Shanko, AScT

Mujaralec

Administration Coordinator

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ANALYSIS INFORMATION

REPORTED TOMid Shuswap Lumby Water StewardsWORK ORDER4090995PROJECTAnalytical TestingREPORTEDSep-23-14

Analysis Description	Method Reference	Technique	Location
Anions in Water by IC	APHA 4110 B	Ion Chromatography with Chemical Suppression of Eluent Conductivity	Kelowna
Conductivity in Water	APHA 2510 B	Conductivity Meter	Kelowna
E. coli (Partition)	APHA 9222 G	Membrane Filtration	Kelowna
pH in Water	APHA 4500-H+ B	Electrometry	Kelowna
Total Kjeldahl Nitrogen in Water	EPA 351.2 *	Sulfuric Acid Digestion, Automated Colorimetry	Kelowna
Total Phosphorus in Water (Kjeldahl)	EPA 365.4 *	Sulfuric Acid Digestion, Automated Colorimetry	Kelowna
Total Phosphorus, dissolved (Kjeldahl)	EPA 365.4 *	Sulfuric Acid Digestion, Automated Colorimetry	Kelowna
Turbidity	APHA 2130 B	Nephelometry	Kelowna

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Method Reference Descriptions:

APHA Standard Methods for the Examination of Water and Wastewater, 22nd Edition, American Public Health

Association/American Water Works Association/Water Environment Federation

EPA United States Environmental Protection Agency Test Methods

Glossary of Terms:

MRL Method Reporting Limit

Less than the Reported Detection Limit (RDL) - the RDL may be higher than the MRL due to various factors such

as dilutions, limited sample volume, high moisture, or interferences

AO Aesthetic objective

MAC Maximum acceptable concentration (health based)

OG Operational guideline (treated water)
CFU/100mL Colony Forming Units per 100 millilitres

mg/L Milligrams per litre

NTU Nephelometric Turbidity Units pH units pH < 7 = acidic, ph > 7 = basic $\mu S/cm$ Microsiemens per centimetre

Standards / Guidelines Referenced in this Report:

Guidelines for Canadian Drinking Water Quality (2012)

Website: http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/2012-sum_guide-res_recom/index-eng.php

Note: In some cases, the values displayed on the report represent the lowest guideline and are to be verified by the end user



SAMPLE ANALYTICAL DATA

REPORTED TO Mid Shuswap Lumby Water Stewards **WORK ORDER** 4090995 **PROJECT Analytical Testing** Sep-23-14 **REPORTED** Analyte Result / Standard / MRL / Units **Prepared Analyzed Notes** Recovery Guideline Limits Sample ID: Harris Creek (Hwy 6) (4090995-01) [Water] Sampled: Sep-14-14 11:38 **Anions** Chloride AO ≤ 250 N/A Sep-15-14 1.64 0.10 mg/L Nitrogen, Nitrate as N MAC = 10N/A Sep-15-14 0.015 0.010 mg/L Nitrogen, Nitrite as N < 0.010 MAC = 10.010 mg/L N/A Sep-15-14 Sulfate AO ≤ 500 1.0 mg/L N/A Sep-15-14 21.6 General Parameters Conductivity (EC) N/A 2 µS/cm N/A Sep-15-14 225 Nitrogen, Total Kjeldahl Sep-15-14 Sep-19-14 0.27 N/A 0.05 mg/L 6.5-8.5 0.01 pH units Sep-15-14 7.71 N/A Phosphorus, Total Kjeldahl 0.04 N/A 0.01 mg/L Sep-15-14 Sep-19-14 Phosphorus, Total Kjeldahl Dissolved 0.02 N/A 0.01 mg/L Sep-17-14 Sep-19-14 Turbidity OG < 0.1 0.1 NTU N/A Sep-16-14 8.0 Calculated Parameters Nitrogen, Nitrate+Nitrite as N N/A 0.010 mg/L N/A N/A 0.015 Nitrogen, Total 0.289 N/A 0.050 mg/L N/A N/A Microbiological Parameters E. coli MAC = None 1 CFU/100mL 26 Sep-15-14 Sep-16-14 Detected Sample ID: Duteau Creek (Hwy 6) (4090995-02) [Water] Sampled: Sep-14-14 11:35 **Anions** Chloride 4.62 AO ≤ 250 0.10 mg/L N/A Sep-15-14 Nitrogen, Nitrate as N 0.010 mg/L N/A Sep-15-14 0.202 MAC = 10Nitrogen, Nitrite as N < 0.010 MAC = 10.010 mg/L N/A Sep-15-14 Sulfate 12.2 AO ≤ 500 1.0 mg/L N/A Sep-15-14 General Parameters Sep-15-14 Conductivity (EC) 170 N/A 2 µS/cm N/A Nitrogen, Total Kjeldahl N/A Sep-15-14 Sep-19-14 0.64 0.05 mg/L

Phosphorus, Total Kjeldahl	0.09	N/A	0.01	mg/L	Sep-15-14	Sep-19-14	
Phosphorus, Total Kjeldahl Dissolved	0.02	N/A	0.01	mg/L	Sep-17-14	Sep-19-14	
Turbidity	1.3	OG < 0.1	0.1	NTU	N/A	Sep-16-14	
Calculated Parameters							
Nitrogen, Nitrate+Nitrite as N	0.202	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	0.841	N/A	0.050	mg/L	N/A	N/A	
Microbiological Parameters							
E. coli	170	MAC = None Detected	1	CFU/100mL	Sep-15-14	Sep-16-14	

0.01 pH units

N/A

Sep-15-14

6.5-8.5

7.68

Sample ID: Mid Bessette Creek (4090995-03) [Water] Sampled: Sep-14-14 10:30

Anions					
Chloride	4.83	AO ≤ 250	0.10 mg/L	N/A	Sep-15-14



SAMPLE ANALYTICAL DATA

REPORTED TOMid Shuswap Lumby Water StewardsWORK ORDER4090995PROJECTAnalytical TestingREPORTEDSep-23-14

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
Sample ID: Mid Bessette Creek (4090)995-03) [Water	Sampled: Sep	-14-14 10:3	30, Continued			
Anions, Continued							
Nitrogen, Nitrate as N	0.088	MAC = 10	0.010	mg/L	N/A	Sep-15-14	
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010		N/A	Sep-15-14	
Sulfate	23.5	AO ≤ 500		mg/L	N/A	Sep-15-14	
General Parameters							
Conductivity (EC)	256	N/A	2	μS/cm	N/A	Sep-15-14	
Nitrogen, Total Kjeldahl	0.30	N/A		mg/L	Sep-15-14	Sep-19-14	
pH	7.95	6.5-8.5		pH units	N/A	Sep-15-14	
Phosphorus, Total Kjeldahl	0.04	N/A		mg/L	Sep-15-14	Sep-19-14	
Phosphorus, Total Kjeldahl Dissolved	0.03	N/A		mg/L	Sep-17-14	Sep-19-14	
Turbidity	1.2	OG < 0.1		NTU	N/A	Sep-16-14	
Calculated Parameters							
Nitrogen, Nitrate+Nitrite as N	0.088	N/A	0.010	ma/L	N/A	N/A	
Nitrogen, Total	0.393	N/A	0.050		N/A	N/A	
Microbiological Parameters							
E. coli	120	MAC = None	1	CFU/100mL	Sep-15-14	Sep-16-14	
55	120	Detected		51 57 TOOTHE	00p 10 14	00p 10 17	
Anions	· · ·					0 4544	
Anions	· · ·				N/Δ	San-15-1/	
Anions Chloride	5.57	AO ≤ 250	0.10	mg/L	N/A N/A	Sep-15-14 Sep-15-14	
Anions Chloride Nitrogen, Nitrate as N	5.57 0.014		0.10 0.010	mg/L mg/L	N/A	Sep-15-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N	5.57	AO ≤ 250 MAC = 10	0.10 0.010 0.010	mg/L mg/L mg/L			
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate	5.57 0.014 < 0.010	AO ≤ 250 MAC = 10 MAC = 1	0.10 0.010 0.010	mg/L mg/L	N/A N/A	Sep-15-14 Sep-15-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters	5.57 0.014 < 0.010 25.7	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500	0.10 0.010 0.010 1.0	mg/L mg/L mg/L mg/L	N/A N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC)	5.57 0.014 < 0.010 25.7	AO ≤ 250 MAC = 10 MAC = 1	0.10 0.010 0.010 1.0	mg/L mg/L mg/L mg/L	N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl	5.57 0.014 < 0.010 25.7	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500	0.10 0.010 0.010 1.0 2 0.05	mg/L mg/L mg/L mg/L mg/L µS/cm mg/L	N/A N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH	5.57 0.014 < 0.010 25.7 273 0.33	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A	0.10 0.010 0.010 1.0 2 0.05 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units	N/A N/A N/A N/A Sep-15-14	Sep-15-14 Sep-15-14 Sep-15-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl Phosphorus, Total Kjeldahl	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A	0.10 0.010 0.010 1.0 2 0.05 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14	Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved	5.57 0.014 < 0.010 25.7 273 0.33 8.06	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units	N/A N/A N/A N/A Sep-15-14 N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-15-14	
Nitrogen, Nitrate as N Nitrogen, Nitrite as N	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A N/A	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A N/A	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L MTU	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02 1.1	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A N/A OG < 0.1	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L NTU	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14 N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N Nitrogen, Total	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02 1.1	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5 N/A N/A OG < 0.1	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L NTU	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14 N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N Nitrogen, Total Microbiological Parameters	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02 1.1	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A N/A OG < 0.1	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01 0.01 0.010 0.050	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L NTU mg/L mg/L	N/A N/A N/A N/A Sep-15-14 N/A Sep-17-14 N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14 N/A N/A	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N Nitrogen, Total Microbiological Parameters	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02 1.1	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5 N/A N/A OG < 0.1	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01 0.01 0.010 0.050	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L NTU	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14 N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02 1.1 0.014 0.343	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A N/A OG < 0.1 N/A N/A MAC = None Detected	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01 0.01 0.010 0.050	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L NTU mg/L CFU/100mL	N/A N/A N/A N/A Sep-15-14 N/A Sep-17-14 N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14 N/A N/A	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N Nitrogen, Total Microbiological Parameters E. coli Sample ID: Shuswap River (Wisey Da	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02 1.1 0.014 0.343	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A N/A OG < 0.1 N/A N/A MAC = None Detected	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01 0.01 0.010 0.050	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L NTU mg/L CFU/100mL	N/A N/A N/A N/A Sep-15-14 N/A Sep-17-14 N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14 N/A N/A	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N Nitrogen, Total Microbiological Parameters E. coli	5.57 0.014 < 0.010 25.7 273 0.33 8.06 0.02 0.02 1.1 0.014 0.343	AO ≤ 250 MAC = 10 MAC = 1 AO ≤ 500 N/A N/A N/A 6.5-8.5 N/A N/A OG < 0.1 N/A N/A MAC = None Detected	0.10 0.010 0.010 1.0 2 0.05 0.01 0.01 0.01 0.01 0.050 1	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L NTU mg/L CFU/100mL	N/A N/A N/A N/A Sep-15-14 N/A Sep-17-14 N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14 N/A N/A	



SAMPLE ANALYTICAL DATA

Mid Shuswap Lumby Water Stewards REPORTED TO **WORK ORDER** 4090995 **PROJECT Analytical Testing** REPORTED Sep-23-14

	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
Sample ID: Shuswap River (Wisey Da	ım) (4090995-05) [Water] Samp	led: Sep-1	2-14, Continu	ıed		
Anions, Continued							
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010	mg/L	N/A	Sep-15-14	
Sulfate	5.8	AO ≤ 500	1.0	mg/L	N/A	Sep-15-14	
General Parameters							
Conductivity (EC)	100	N/A	2	μS/cm	N/A	Sep-15-14	
Nitrogen, Total Kjeldahl	0.19	N/A		mg/L	Sep-15-14	Sep-19-14	
pH	7.77	6.5-8.5		pH units	N/A	Sep-15-14	
Phosphorus, Total Kjeldahl	0.02	N/A	0.01	mg/L	Sep-15-14	Sep-19-14	
Phosphorus, Total Kjeldahl Dissolved	< 0.01	N/A		mg/L	Sep-17-14	Sep-19-14	
Turbidity	0.4	OG < 0.1		NTU	N/A	Sep-15-14	
Calculated Parameters							
Nitrogen, Nitrate+Nitrite as N	< 0.010	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	0.188	N/A	0.050	mg/L	N/A	N/A	
Microbiological Parameters							
E. coli	5	MAC = None Detected	1	CFU/100mL	Sep-15-14	Sep-16-14	
Sample ID: Shuswap River (Odd Fello	7W3) (4030333-0	o) [water] Dan	ipieu. Jep	- - - - - - - - - -			
Anions			<u> </u>				
	0.54	AO ≤ 250	0.10	mg/L	N/A	Sep-15-14	
Chloride	0.54 < 0.010	AO ≤ 250 MAC = 10	0.10	mg/L	N/A N/A	Sep-15-14 Sep-15-14	
Chloride Nitrogen, Nitrate as N				mg/L mg/L			
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N	< 0.010	MAC = 10	0.010 0.010	mg/L mg/L	N/A	Sep-15-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate	< 0.010 < 0.010	MAC = 10 MAC = 1	0.010 0.010	mg/L mg/L mg/L	N/A N/A	Sep-15-14 Sep-15-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters	< 0.010 < 0.010 7.1	MAC = 10 MAC = 1	0.010 0.010 1.0	mg/L mg/L mg/L mg/L	N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC)	< 0.010 < 0.010	MAC = 10 MAC = 1 AO ≤ 500	0.010 0.010 1.0	mg/L mg/L mg/L mg/L	N/A N/A N/A	Sep-15-14 Sep-15-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl	< 0.010 < 0.010 7.1	MAC = 10 MAC = 1 AO ≤ 500	0.010 0.010 1.0 2 0.05	mg/L mg/L mg/L mg/L	N/A N/A N/A	Sep-15-14 Sep-15-14 Sep-15-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH	< 0.010 < 0.010 7.1 114 0.14	MAC = 10 MAC = 1 AO ≤ 500 N/A N/A	0.010 0.010 1.0 2 0.05 0.01	mg/L mg/L mg/L mg/L mg/L µS/cm mg/L	N/A N/A N/A N/A Sep-15-14	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl	< 0.010 < 0.010 7.1 114 0.14 7.76	MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5	0.010 0.010 1.0 2 0.05 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units	N/A N/A N/A N/A Sep-15-14 N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-15-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved	< 0.010 < 0.010 7.1 114 0.14 7.76 0.01	MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5 N/A	0.010 0.010 1.0 2 0.05 0.01 0.01	mg/L mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Dissolved Turbidity	< 0.010 < 0.010 7.1 114 0.14 7.76 0.01 < 0.01	MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5 N/A N/A	0.010 0.010 1.0 2 0.05 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters	< 0.010 < 0.010 7.1 114 0.14 7.76 0.01 < 0.01	MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5 N/A N/A	0.010 0.010 1.0 2 0.05 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L NTU	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14	
Anions Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N Nitrogen, Total	< 0.010 < 0.010 7.1 114 0.14 7.76 0.01 < 0.01 0.7	MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5 N/A N/A OG < 0.1	0.010 0.010 1.0 2 0.05 0.01 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L NTU	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14 N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14	
Chloride Nitrogen, Nitrate as N Nitrogen, Nitrite as N Sulfate General Parameters Conductivity (EC) Nitrogen, Total Kjeldahl pH Phosphorus, Total Kjeldahl Phosphorus, Total Kjeldahl Dissolved Turbidity Calculated Parameters Nitrogen, Nitrate+Nitrite as N	< 0.010 < 0.010 7.1 114 0.14 7.76 0.01 < 0.01 0.7	MAC = 10 MAC = 1 AO ≤ 500 N/A N/A 6.5-8.5 N/A N/A OG < 0.1	0.010 0.010 1.0 2 0.05 0.01 0.01 0.01	mg/L mg/L mg/L mg/L µS/cm mg/L pH units mg/L mg/L NTU	N/A N/A N/A N/A Sep-15-14 N/A Sep-15-14 Sep-17-14 N/A	Sep-15-14 Sep-15-14 Sep-15-14 Sep-15-14 Sep-19-14 Sep-19-14 Sep-19-14 Sep-16-14	