

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : September 10, 2015		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59 (S6)	SEINE RIVER @ PROVENCHER BLVD (S7)	STURGEON CREEK @ PERIMETER (S1)	STURGEON CREEK @ PORTAGE AVE (S2)	OMANDS CREEK @ PORTAGE AVE (S4)	LA SALLE RIVER @ HWY 75 (S5)	BUNNS CREEK @ BONNER AVE (S8)	TRURO CREEK @ PORTAGE AVE (S3)
Temperature	° C	15.2	15.2	14.8	14.9	13.6	16.6	15.7	13.1
Dissolved Oxygen	mg/L	7.3	6.9	5.1	6.6	6.3	6.3	6.0	6.0
Oxygen Saturation	%	73	68	50	66	60	64	60	57
Biochemical Oxygen Demand	mg/L	<3	<3	nr ³	<3	nr ³	<3	nr ³	nr ³
pH	units	8.08	7.84	7.59	7.84	7.74	7.64	7.54	7.91
Total Solids	mg/L	406	396	550	548	746	436	560	656
Total Suspended Solids	mg/L	66	12	5	5	<3	40	12	<3
Turbidity	n.t.u.	52.2	30.9	8.5	10.4	3.5	41.6	13.2	3.2
Total Organic Carbon	mg/L	22	20	27	27	15	22	17	18
Chlorophyll a	ug/L	<1	9	3	3	1	4	21	1
Ammonia Nitrogen	mg/L N	0.013	0.011	0.178	0.168	0.026	0.035	0.065	0.008
Nitrate Nitrogen	mg/L N	0.088	0.189	0.588	2.590	0.246	0.134	0.167	0.106
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	1.0	1.3	<0.5	0.6	0.5	<0.5
Total Nitrogen	mg/L N	0.3	0.4	1.6	3.9	0.5	0.7	0.7	0.4
Soluble Phosphorus	mg/L P	0.18	0.19	1.23	1.50	0.14	0.85	0.28	0.18
Total Phosphorus	mg/L P	0.50	0.50	1.30	1.70	0.40	1.20	0.40	0.40
Escherichia Coliform ²	MPN/100 mL	430	140	140	1500	240	240	240	930
Fecal Coliform ²	MPN/100 mL	430	140	140	4300	240	430	240	930

Weather Conditions during monitoring Winds N at 35 km/hr with 85% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 9.8°C

Notes: 1) LIMS Reference No: 43799
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

Report Compiled By: H.Demchenko
 Compliance Reporting Technician

Approved in LIMS By: C.Diduck
 Analytical Services Branch Head

Date Compiled: 18-Jan-19

File No: 040-14-09-03-00