

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	November 5, 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) ⁵
Temperature	° C	5.9	6.0	5.8	6.3	6.3	5.8	6.8	ns
Dissolved Oxygen	mg/L	11.2	10.6	10.1	10.0	8.9	10.3	7.0	ns
Oxygen Saturation	%	90	86	81	81	72	83	58	ns
Biochemical Oxygen Demand	mg/L	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ³	ns
pH	units	8.19	7.89	7.84	7.87	7.75	7.80	7.65	ns
Total Solids	mg/L	402	448	1080	1110	902	648	836	ns
Total Suspended Solids	mg/L	9	22	4	6	6	20	21	ns
Turbidity	n.t.u.	14.0	23.8	5.2	8.5	8.0	26.1	16.7	ns
Total Organic Carbon	mg/L	14	13	7	5	7	16	13	ns
Chlorophyll a	ug/L	<1	5	5	2	6	11	63	ns
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	0.071	0.334	ns
Nitrate Nitrogen	mg/L N	0.011	0.110	0.077	0.267	0.217	0.135	0.629	ns
Total Kjeldahl Nitrogen	mg/L N	0.9	1.1	1.3	1.4	1.2	1.7	1.7	ns
Total Nitrogen	mg/L N	0.9	1.2	1.4	1.7	1.4	1.8	2.3	ns
Soluble Phosphorus	mg/L P	0.05	0.05	0.09	0.07	0.06	0.54	0.06	ns
Total Phosphorus	mg/L P	<0.2	<0.2	<0.2	<0.2	0.30	0.60	<0.2	ns
Escherichia Coliform ²	MPN/100 mL	93	93	9	1500	93	23	240	ns
Fecal Coliform ²	MPN/100 mL	93	930	9	4300	93	23	240	ns

Weather Conditions during monitoring Winds N at 46 km/hr with 100% cloud cover and 3.3 mm of precipitation. Average air temperature during survey at 2.1°C

- Notes:
- 1) LIMS Reference No: 44317
 - 2) Analysed by contract laboratory.
 - 3) No result because the initial DO was below the BOD test limit.
 - 4) No result due to technician error
 - 5) No sample due to no flow

Report Compiled By: H.Demchenko
Compliance Reporting Technician

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

Date Compiled: 22-Jan-19

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