

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	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	4.8	5.9	3.2	5.4	2.9	9.4	5.9	4.9
Dissolved Oxygen	mg/L	10.4	10.6	10.5	10.2	10.8	10.8	10.7	5.8
Oxygen Saturation	%	82	86	79	79	91	87	86	42
Biochemical Oxygen Demand	mg/L	4	<3	4	4	3	4	nr ³	>10
pH	units	8.18	8.05	7.87	8.01	7.97	7.98	8.74	7.85
Total Solids	mg/L	386	426	708	696	616	416	872	604
Total Suspended Solids	mg/L	31	25	20	16	4	31	24	5
Turbidity	n.t.u.	32.2	24.7	20.3	24.6	10.3	36.2	12.9	5.0
Total Organic Carbon	mg/L	13	14	12	14	13	12	20	15
Chlorophyll a	ug/L	35	21	32	<1	<1	122	32	25
Ammonia Nitrogen	mg/L N	<0.003	0.003	<0.003	0.017	<0.003	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.019	0.271	0.048	0.194	0.107	<0.003	<0.003	0.003
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<0.5
Total Nitrogen	mg/L N	0.3	0.5	0.3	0.4	0.4	0.3	1.8	0.3
Soluble Phosphorus	mg/L P	0.04	0.06	0.07	0.08	0.09	0.12	0.02	0.07
Total Phosphorus	mg/L P	0.20	0.20	0.20	0.30	0.20	0.40	0.40	0.30
Escherichia Coliform ²	MPN/100 mL	9	210	23	430	43	150	150	230
Fecal Coliform ²	MPN/100 mL	9	1400	23	430	43	150	150	230

Weather Conditions during monitoring Winds N at 45 km/hr with 75% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 0°C

Notes: 1) LIMS Reference No: 42338
 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