

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	October 8, 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	9.5	9.3	8.4	10.1	9.5	10.2	10.8	9.5
Dissolved Oxygen	mg/L	9.3	9.1	8.0	9.2	8.1	8.6	8.3	8.2
Oxygen Saturation	%	81	79	68	81	71	77	74	71
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3
pH	units	8.31	7.80	7.72	8.04	7.45	7.97	8.13	7.55
Total Solids	mg/L	398	410	1130	904	280	554	696	320
Total Suspended Solids	mg/L	22	30	<3	5	7	15	20	11
Turbidity	n.t.u.	19.4	30.0	3.7	8.4	15.4	15.3	21.3	11.9
Total Organic Carbon	mg/L	16	16	9	12	10	18	22	11
Chlorophyll a	ug/L	1	2	4	3	4	11	119	11
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	0.030	0.115	0.006	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.004	0.091	<0.003	0.271	0.397	0.034	<0.003	0.248
Total Kjeldahl Nitrogen	mg/L N	0.7	1.3	1.2	1.2	0.8	2.0	2.7	0.7
Total Nitrogen	mg/L N	0.7	1.4	1.2	1.5	1.2	2.0	2.7	0.9
Soluble Phosphorus	mg/L P	0.08	0.09	0.13	0.07	0.04	0.55	0.02	0.12
Total Phosphorus	mg/L P	0.50	0.40	0.40	0.40	0.50	1.80	0.40	0.30
Escherichia Coliform ²	MPN/100 mL	93	9300	43	430	740	300	4300	1500
Fecal Coliform ²	MPN/100 mL	93	9300	43	930	1500	300	4300	1500

Weather Conditions during monitoring: Winds N at 12 km/hr with 95% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 6.5°C

Notes: 1) LIMS Reference No: 44066
 2) Analysed by contract laboratory.

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

Report Compiled By: H.Demchenko
 Compliance Reporting Technician

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

Date Compiled: 22-Jan-19