

**City of Winnipeg
Water and Waste Department**

2016 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 13, 2016		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	20.1	19.1	18.4	18.9	18.0	21.8	19.4	17.7
Dissolved Oxygen	mg/L	7.7	7.4	9.4	8.1	6.7	8.3	5.4	7.7
Oxygen Saturation	%	86	73	101	88	72	95	59	81
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	nr ³
pH	units	8.13	7.90	8.06	7.93	7.79	8.27	7.86	7.69
Total Solids	mg/L	438	422	766	658	792	612	670	462
Total Suspended Solids	mg/L	54	48	6	7	<3	21	5	3
Turbidity	n.t.u.	50.6	44.2	9.8	9.2	2.5	20.0	6.5	2.5
Total Organic Carbon	mg/L	32	32	28	25	33	32	31	24
Chlorophyll a	ug/L	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ⁴
Ammonia Nitrogen	mg/L N	0.008	0.042	0.010	0.067	0.003	<0.003	0.042	0.005
Nitrate Nitrogen	mg/L N	0.069	0.358	0.033	0.165	0.028	<0.003	0.087	0.013
Total Nitrogen	mg/L N	<0.2	0.6	<0.2	<0.2	<0.2	0.3	<0.2	<0.2
Soluble Phosphorus	mg/L P	0.12	0.17	0.35	0.22	0.25	0.48	0.31	0.14
Total Phosphorus	mg/L P	0.17	0.28	0.42	0.29	0.29	0.55	0.38	0.21
Escherichia Coliform ²	MPN/100 mL	1500	430	240	430	150	43	1500	240
Fecal Coliform ²	MPN/100 mL	1500	930	240	430	150	43	1500	240

Weather Conditions during monitoring Winds N at 18 km/hr with 100% cloud cover and 5.6 mm of precipitation. Average air temperature during survey at 18.7°C

- Notes:
- 1) LIMS Reference No: 46790
 - 2) Analysed by contract laboratory.
 - 3) No result because the initial DO was below the BOD test limit.
 - 4) No result due to sampling error

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