

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 3, 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	21.9	21.9	19.2	22.2	20.8	25.0	21.0	20.2
Dissolved Oxygen	mg/L	7.5	7.1	8.6	9.3	8.0	14.9	3.3	4.9
Oxygen Saturation	%	86	81	92	106	90	180	37	54
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	<3	<3	<3	<3	nr ³	nr ³
pH	units	8.35	8.06	8.06	8.49	8.47	8.76	7.66	7.89
Total Solids	mg/L	376	460	1190	1210	1210	628	822	460
Total Suspended Solids	mg/L	44	102	<3	3	9	38	<3	3
Turbidity	n.t.u.	38.2	53.8	2.0	3.6	1.4	23.0	1.4	1.3
Total Organic Carbon	mg/L	25	28	17	14	23	33	18	18
Chlorophyll a	ug/L	5	1	1	5	3	190	5	1
Ammonia Nitrogen	mg/L N	<0.003	0.023	0.024	0.094	0.011	<0.003	0.037	0.275
Nitrate Nitrogen	mg/L N	0.040	0.075	0.013	0.031	0.024	<0.003	0.071	0.037
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	<0.5	<0.5	0.8	2.2	0.6	<0.5
Total Nitrogen	mg/L N	0.3	0.3	0.3	0.3	0.8	2.2	0.7	0.3
Soluble Phosphorus	mg/L P	0.10	0.18	0.03	0.10	0.36	0.47	0.37	0.21
Total Phosphorus	mg/L P	0.30	0.40	<0.20	0.20	0.50	1.10	0.50	0.40
Escherichia Coliform ²	MPN/100 mL	230	930	36	92	750	36	750	36
Fecal Coliform ²	MPN/100 mL	230	930	36	92	1500	36	750	230

Weather Conditions during monitoring Winds N at 4 km/hr with 25% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 20°C

- Notes: 1) LIMS Reference No: 43096
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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