

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	June 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)
Temperature	° C	18.2	19.7	17.6	19.6	18.9	22.1	18.0	20.7
Dissolved Oxygen	mg/L	8.4	7.4	13.8	11.7	10.9	14.8	8.0	10.1
Oxygen Saturation	%	90	82	144	127	117	169	86	113
Biochemical Oxygen Demand	mg/L	<3	nr ³	<3	<3	<3	9	nr ³	10
pH	units	8.22	8.01	8.47	8.52	8.66	9.00	8.27	8.14
Total Solids	mg/L	378	428	1190	1180	1210	590	986	984
Total Suspended Solids	mg/L	31	65	3	6	4	27	5	4
Turbidity	n.t.u.	28.0	51.6	2.4	6.4	4.1	22.2	2.8	2.5
Total Organic Carbon	mg/L	22	24	18	18	22	23	22	21
Chlorophyll a	ug/L	3	4	6	10	4	114	7	2
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	0.017	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.036	0.064	0.015	0.306	0.048	3.970	0.016	0.042
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	<0.5	<0.5	0.6	1.6	0.6	<0.5
Total Nitrogen	mg/L N	0.3	0.3	0.3	0.6	0.6	5.6	0.6	0.3
Soluble Phosphorus	mg/L P	0.07	0.09	0.03	0.06	0.18	0.15	0.11	0.07
Total Phosphorus	mg/L P	0.30	0.30	0.20	0.30	0.40	0.60	0.60	0.30
Escherichia Coliform ²	MPN/100 mL	23	230	23	43	430	21	150	150
Fecal Coliform ²	MPN/100 mL	38	380	23	43	930	93	150	150

Weather Conditions during monitoring Winds S at 15 km/hr with 5% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 24.6°C

Notes: 1) LIMS Reference No: 42804
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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Date Compiled: 18-Jan-19

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