

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 31, 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	20.3	20.5	17.5	19.8	17.8	22.3	20.3	18.1
Dissolved Oxygen	mg/L	7.6	7.1	5.8	7.4	3.6	6.4	4.0	5.1
Oxygen Saturation	%	83	78	60	82	38	74	44	54
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³
pH	units	8.11	7.90	7.86	7.92	7.41	7.69	7.79	7.59
Total Solids	mg/L	412	400	976	842	528	326	654	450
Total Suspended Solids	mg/L	62	41	5	10	3	68	7	<3
Turbidity	n.t.u.	58.6	33.7	4.5	9.2	3.5	66.4	10.4	3.7
Total Organic Carbon	mg/L	20	18	7	6	9	17	12	9
Chlorophyll a	ug/L	2	4	3	3	<1	5	30	3
Ammonia Nitrogen	mg/L N	<0.003	0.019	0.039	0.050	0.012	0.105	0.163	0.014
Nitrate Nitrogen	mg/L N	0.062	0.193	0.050	0.125	0.329	0.140	0.060	0.060
Total Kjeldahl Nitrogen	mg/L N	<0.5	0.7	0.7	0.7	<0.5	0.7	<0.5	0.7
Total Nitrogen	mg/L N	0.3	0.9	0.8	0.8	0.6	0.8	0.3	0.8
Soluble Phosphorus	mg/L P	0.06	0.14	0.06	0.10	0.09	0.53	0.13	0.07
Total Phosphorus	mg/L P	0.30	0.30	<0.20	<0.20	<0.20	0.80	0.30	<0.20
Escherichia Coliform ²	MPN/100 mL	230	930	430	380	74	36	430	930
Fecal Coliform ²	MPN/100 mL	230	930	430	750	74	36	430	930

Weather Conditions during monitoring Winds N at 50 km/hr with 5% cloud cover and 0.2 mm of precipitation. Average air temperature during survey at 18.7°C

Notes: 1) LIMS Reference No: 43398
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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