

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	September 24, 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	14.6	14.7	13.2	14.9	14.3	15.6	14.8	13.9
Dissolved Oxygen	mg/L	8.5	8.4	5.1	8.7	7.3	9.4	5.3	6.8
Oxygen Saturation	%	84	82	49	86	71	95	52	66
Biochemical Oxygen Demand	mg/L	<3	<3	nr ³	<3	<3	<3	nr ³	nr ³
pH	units	8.20	8.08	7.80	8.29	8.01	8.29	7.68	8.05
Total Solids	mg/L	390	386	828	830	1070	534	732	950
Total Suspended Solids	mg/L	37	18	4	6	3	21	19	13
Turbidity	n.t.u.	31.6	30.1	5.3	5.4	2.7	22.8	16.2	4.6
Total Organic Carbon	mg/L	26	27	25	23	21	25	25	26
Chlorophyll a	ug/L	2	3	4	9	2	31	46	16
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	0.041	<0.003	0.068	0.014
Nitrate Nitrogen	mg/L N	0.011	0.015	0.008	0.008	0.207	0.003	0.119	0.014
Total Kjeldahl Nitrogen	mg/L N	<0.5	0.5	4.4	2.0	1.1	1.3	1.4	<0.5
Total Nitrogen	mg/L N	0.3	0.5	4.4	2.0	1.3	1.3	1.5	0.3
Soluble Phosphorus	mg/L P	0.08	0.09	0.27	0.27	0.08	0.54	0.13	0.10
Total Phosphorus	mg/L P	<0.20	<0.20	1.60	0.50	<0.20	0.50	<0.20	<0.20
Escherichia Coliform ²	MPN/100 mL	240	430	210	930	93	740	740	23
Fecal Coliform ²	MPN/100 mL	240	430	210	930	93	740	740	23

Weather Conditions during monitoring: Winds SE at 14 km/hr with 100% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 14.9°C

- Notes: 1) LIMS Reference No: 43891
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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