

**City of Winnipeg
Water and Waste Department**

2016 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	June 29, 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) ⁴
Temperature	° C	21.0	21.0	21.6	22.2	21.1	22.8	20.9	ns
Dissolved Oxygen	mg/L	7.5	6.9	7.3	8.1	7.9	6.5	6.7	ns
Oxygen Saturation	%	85	77	83	93	89	75	75	ns
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	<3	<3	nr ³	nr ³	ns
pH	units	8.08	7.81	7.79	7.97	8.02	7.82	8.18	ns
Total Solids	mg/L	436	460	510	522	702	570	596	ns
Total Suspended Solids	mg/L	90	58	7	6	3	32	3	ns
Turbidity	n.t.u.	75.8	53.2	8.3	8.1	2.2	39.0	3.4	ns
Total Organic Carbon	mg/L	18	16	19	17	14	18	12	ns
Chlorophyll a	ug/L	3	4	4	4	1	18	2	ns
Ammonia Nitrogen	mg/L N	<0.003	0.028	<0.003	0.020	<0.003	0.032	0.020	ns
Nitrate Nitrogen	mg/L N	0.079	0.227	0.035	0.069	0.027	0.344	0.260	ns
Total Nitrogen	mg/L N	1.2	1.4	1.7	1.6	1.0	1.9	1.3	ns
Soluble Phosphorus	mg/L P	0.11	0.17	0.42	0.40	0.21	0.50	0.19	ns
Total Phosphorus	mg/L P	0.30	0.30	0.60	0.60	0.30	0.70	<0.20	ns
Escherichia Coliform ²	MPN/100 mL	110	620	430	93	2400	93	74	ns
Fecal Coliform ²	MPN/100 mL	210	620	430	93	2400	93	150	ns

Weather Conditions during monitoring Winds N at 44 km/hr with 40% cloud cover and 2.4 mm of precipitation. Average air temperature during survey at 19.4°C

- Notes: 1) LIMS Reference No: 46639
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.
 4) No sample due to no flow

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