

**City of Winnipeg
Water and Waste Department**

2016 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	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	20.1	19.9	19.4	20.7	19.4	21.8	19.7	ns
Dissolved Oxygen	mg/L	7.8	7.6	7.4	8.6	6.4	9.3	4.3	ns
Oxygen Saturation	%	86	84	81	96	69	107	46	ns
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	<3	nr ³	3	nr ³	ns
pH	units	8.26	8.05	8.12	8.26	8.04	8.35	7.86	ns
Total Solids	mg/L	408	430	760	766	1090	594	892	ns
Total Suspended Solids	mg/L	89	103	7	4	<3	22	<3	ns
Turbidity	n.t.u.	77.4	68.2	8.1	6.0	2.5	22.0	3.8	ns
Total Organic Carbon	mg/L	29	30	26	26	28	28	27	ns
Chlorophyll a	ug/L	4	5	3	7	<1	33	<1	ns
Ammonia Nitrogen	mg/L N	0.026	0.006	0.022	0.037	0.013	0.011	0.012	ns
Nitrate Nitrogen	mg/L N	0.050	0.089	0.042	0.076	0.025	0.767	<0.003	ns
Total Nitrogen	mg/L N	0.8	0.9	1.1	1.1	0.8	1.8	0.9	ns
Soluble Phosphorus	mg/L P	0.07	0.09	0.28	0.29	0.29	0.34	<0.01	ns
Total Phosphorus	mg/L P	0.40	0.40	0.50	5.30	0.50	0.60	0.50	ns
Escherichia Coliform ²	MPN/100 mL	93	240	430	240	720	23	930	ns
Fecal Coliform ²	MPN/100 mL	93	430	430	240	720	23	930	ns

Weather Conditions during monitoring Winds N at 32 km/hr with 85% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 19.8°C

- Notes: 1) LIMS Reference No: 46522
 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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