

**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	8.5	8.5	8.9	8.7	8.7	8.5	8.9	ns
Dissolved Oxygen	mg/L	10.7	10.3	10.3	9.5	8.6	11.1	7.1	ns
Oxygen Saturation	%	91	88	86	82	73	95	61	ns
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	ns
pH	units	7.85	7.62	7.63	7.80	7.27	8.05	7.54	ns
Total Solids	mg/L	348	374	1330	1130	612	732	766	ns
Total Suspended Solids	mg/L	14	26	15	3	11	13	24	ns
Turbidity	n.t.u.	21.6	31.2	12.7	7.1	24.8	13.2	23.2	ns
Total Organic Carbon	mg/L	14	14	7	8	8	13	11	ns
Chlorophyll a	ug/L	<1	3	1	<1	1	32	31	ns
Ammonia Nitrogen	mg/L N	<0.003	0.039	0.050	0.028	0.084	<0.003	0.430	ns
Nitrate Nitrogen	mg/L N	<0.003	0.060	0.070	0.331	0.449	<0.003	0.608	ns
Total Nitrogen	mg/L N	0.7	0.9	<0.2	1.0	1.0	1.2	2.5	ns
Soluble Phosphorus	mg/L P	0.05	0.05	<0.01	0.05	0.04	0.34	0.14	ns
Total Phosphorus	mg/L P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ns
Escherichia Coliform ²	MPN/100 mL	240	140	93	240	43	23	430	ns
Fecal Coliform ²	MPN/100 mL	240	140	240	430	93	23	430	ns

Weather Conditions during monitoring Winds N at 23 km/hr with 100% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 4.8°C

- Notes: 1) LIMS Reference No: 47732
 2) Analysed by contract laboratory.
 3) No result because the initial temperature was outside the BOD test limits
 4) No sample due to no flow

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