

**City of Winnipeg
Water and Waste Department**

2016 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : September 8, 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	17.2	16.4	14.6	17.2	16.2	19.3	17.1	ns
Dissolved Oxygen	mg/L	8.5	8.6	8.0	9.1	6.4	9.1	4.9	ns
Oxygen Saturation	%	88	88	78	94	65	99	50	ns
Biochemical Oxygen Demand	mg/L	<3	<3	nr ³	<3	nr ³	<3	4	ns
pH	units	7.85	7.72	7.56	7.85	7.49	8.18	7.55	ns
Total Solids	mg/L	402	366	1300	802	570	534	582	ns
Total Suspended Solids	mg/L	58	42	3	<3	17	10	23	ns
Turbidity	n.t.u.	54.8	53.4	3.3	1.8	22.0	12.5	21.7	ns
Total Organic Carbon	mg/L	31	29	26	14	24	29	28	ns
Chlorophyll a	ug/L	2	6	<1	5	5	15	40	ns
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.026	0.008	0.014	<0.003	0.221	ns
Nitrate Nitrogen	mg/L N	0.118	0.439	0.020	0.195	0.072	<0.003	0.247	ns
Total Nitrogen	mg/L N	1.1	1.5	<0.2	<0.2	<0.2	0.6	1.5	ns
Soluble Phosphorus	mg/L P	0.22	0.11	0.04	0.10	0.16	0.42	0.23	ns
Total Phosphorus	mg/L P	0.34	0.26	0.12	0.17	0.28	0.49	0.33	ns
Escherichia Coliform ²	MPN/100 mL	930	740	93	240	930	23	9300	ns
Fecal Coliform ²	MPN/100 mL	930	1500	93	240	930	23	9300	ns

Weather Conditions during monitoring Winds SW at 6 km/hr with 10% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 16.8°C

- Notes: 1) LIMS Reference No: 47374
 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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