

**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)
Temperature	° C	21.5	21.6	19.7	22.1	20.6	24.9	20.9	20.6
Dissolved Oxygen	mg/L	7.6	7.1	8.1	9.4	5.8	8.3	2.8	4.6
Oxygen Saturation	%	85	80	88	107	65	100	31	51
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³
pH	units	8.06	7.88	7.86	8.41	7.62	7.85	7.43	7.61
Total Solids	mg/L	398	382	1170	1100	998	352	740	796
Total Suspended Solids	mg/L	55	31	4	5	5	30	14	69
Turbidity	n.t.u.	64.0	37.8	4.2	3.6	4.5	41.4	13.8	29.4
Total Organic Carbon	mg/L	33	28	24	22	29	26	25	41
Chlorophyll a	ug/L	4	7	5	7	7	44	12	32
Ammonia Nitrogen	mg/L N	0.012	0.016	0.021	0.036	0.157	0.016	0.378	0.071
Nitrate Nitrogen	mg/L N	0.075	0.096	0.012	0.116	0.120	<0.003	0.154	0.070
Total Nitrogen	mg/L N	1.3	1.1	0.3	0.7	0.9	1.6	1.6	1.9
Soluble Phosphorus	mg/L P	0.12	0.19	0.14	0.22	0.30	0.50	0.34	0.27
Total Phosphorus	mg/L P	0.19	0.24	0.18	0.28	0.36	0.64	0.42	0.52
Escherichia Coliform ²	MPN/100 mL	430	93	93	74	93	23	2400	93
Fecal Coliform ²	MPN/100 mL	430	430	93	430	240	23	2400	93

Weather Conditions during monitoring Winds S at 44 km/hr with 10% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 22.9°C

- Notes: 1) LIMS Reference No: 47089
 2) Analysed by contract laboratory.
 3) No result because the initial temperature was outside the BOD test limits

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