

**City of Winnipeg
Water and Waste Department**

2014 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	October 28, 2014	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) ³
Temperature	° C	6.4	6.3	6.2	6.7	6.5	5.9	6.6	ns
Dissolved Oxygen	mg/L	10.6	10.5	10.8	9.6	10.7	10.2	5.2	ns
Oxygen Saturation	%	86	85	87	78	87	82	43	ns
Biochemical Oxygen Demand	mg/L	<3	<3	3	4	<3	<3	<3	ns
pH	units	8.28	7.94	7.85	8.05	8.16	8.28	7.23	ns
Total Solids	mg/L	380	404	1290	1350	1750	1220	1030	ns
Total Suspended Solids	mg/L	10	22	8	14	7	19	154	ns
Turbidity	n.t.u.	12.9	19.4	6.5	10.3	6.2	17.6	83.2	ns
Total Organic Carbon	mg/L	22	28	12	15	19	27	31	ns
Chlorophyll a	ug/L	2	5	22	27	1	13	56	ns
Ammonia Nitrogen	mg/L N	0.045	0.055	0.094	0.156	0.061	0.037	0.493	ns
Nitrate Nitrogen	mg/L N	<0.003	0.006	0.032	0.313	0.189	0.005	0.139	ns
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	0.7	1.3	0.7	0.8	2.3	ns
Total Nitrogen	mg/L N	0.3	0.3	0.7	1.6	0.9	0.8	2.4	ns
Soluble Phosphorus	mg/L P	0.08	0.33	0.07	0.28	0.20	0.40	0.31	ns
Total Phosphorus	mg/L P	0.40	0.40	0.40	0.30	0.40	0.80	0.60	ns
Escherichia Coliform ²	MPN/100 mL	23	230	230	93	9	230	150	ns
Fecal Coliform ²	MPN/100 mL	430	230	230	93	9	230	150	ns

Weather Conditions during monitoring Winds NNW at 35 km/hr with 100% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 2°C

Notes: 1) LIMS Reference No: 40846
2) Analysed by contract laboratory.
3) No sample due to no flow.

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