

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 17, 2013	Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHER BLVD	STURGEON CREEK @ PERIMETER	STURGEON CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	23.0	24.9	23.7	23.5	23.5	25.1	21.1	20.6
Dissolved Oxygen	mg/L	8.2	8.0	8.1	8.1	8.3	7.8	8.5	8.7
Oxygen Saturation ²	%	96	97	97	96	98	96	96	98
pH	units	8.09	7.93	8.46	8.32	7.40	8.08	8.41	7.82
Total Solids	mg/L	596	448	1270	1210	968	480	878	632
Total Suspended Solids	mg/L	37	55	<4	4	<4	42	18	21
Turbidity	n.t.u.	39.6	57.0	5.1	4.5	4.5	41.6	9.1	3.5
Total Organic Carbon	mg/L	19	20	12	12	21	17	18	17
Chlorophyll a	ug/L	4	5	1	11	<1	37	14	30
Ammonia Nitrogen	mg/L N	<0.003	0.060	<0.003	<0.003	0.164	0.005	0.059	0.007
Nitrate Nitrogen	mg/L N	0.142	0.027	<0.003	0.004	<0.003	0.412	0.058	0.016
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.12	0.16	0.10	0.09	0.16	0.54	0.94	0.32
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	0.40	0.90	1.20	0.50
Escherichia Coliform ³	MPN/100 mL	230	430	230	23	93	75	930	93
Fecal Coliform ³	MPN/100 mL	230	430	230	23	230	75	930	93

Weather Conditions during monitoring: Winds Calm at 0 km/hr with 5 % cloud cover and 0 mm of precipitation. Average air temperature during survey at 26 °C

- Notes: 1) LIMS Reference No: 36505
 2) Calculated values
 3) Analysed by contract laboratory.

Report Compiled By: H.Demchenko
 Compliance Reporting Technician

Approved in LIMS By: S.Fletcher
 Supervisor of Analytical Services

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