

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 22, 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	15.0	14.6	16.5	14.8	14.6	16.4	13.8	12.7
Dissolved Oxygen	mg/L	9.0	5.9	8.5	8.6	8.8	7.3	9.2	9.2
Oxygen Saturation ²	%	90	58	87	85	87	75	89	87
pH	units	8.19	8.07	8.05	8.06	8.18	7.69	8.80	8.12
Total Solids	mg/L	376	396	664	574	564	286	832	104
Total Suspended Solids	mg/L	32	14	34	38	6	8	10	<4
Turbidity	n.t.u.	32.9	19.4	63.0	59.0	8.0	12.8	6.5	1.7
Total Organic Carbon	mg/L	19	16	15	12	16	16	14	10
Chlorophyll a	ug/L	3	5	2	5	3	8	25	4
Ammonia Nitrogen	mg/L N	<0.003	0.005	0.126	0.145	<0.003	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.023	0.165	0.247	0.247	0.049	0.007	<0.003	0.004
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	0.08	0.10	0.24	0.21	0.13	0.49	0.10	0.04
Total Phosphorus	mg/L P	<0.30	<0.30	0.40	0.40	<0.30	0.70	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	23	150	93	230	23	9	430	93
Fecal Coliform ³	MPN/100 mL	38	150	93	230	23	9	930	93

Weather Conditions during monitoring: Winds N at 20 km/hr with 15 % cloud cover and 0 mm of precipitation. Average air temperature during survey at 20 °C

- Notes: 1) LIMS Reference No: 35957
 2) Calculated values
 3) Analysed by contract laboratory.

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