

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	September 11, 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	19.7	19.6	19.7	19.6	18.5	20.9	NS	NS
Dissolved Oxygen	mg/L	8.2	7.0	9.9	10.0	6.0	7.5	NS	NS
Oxygen Saturation ²	%	90	77	110	110	65	85	NS	NS
pH	units	8.01	7.37	8.06	8.04	7.36	8.14	NS	NS
Total Solids	mg/L	374	378	1660	1770	1030	750	NS	NS
Total Suspended Solids	mg/L	53	47	<4	5	<4	36	NS	NS
Turbidity	n.t.u.	53.4	40.6	1.8	2.6	1.2	24.8	NS	NS
Total Organic Carbon	mg/L	14	12	8	25	22	17	NS	NS
Chlorophyll a	ug/L	2	<1	<1	<1	<1	<1	NS	NS
Ammonia Nitrogen	mg/L N	<0.003	0.837	<0.003	0.043	0.035	<0.003	NS	NS
Nitrate Nitrogen	mg/L N	0.210	0.164	<0.003	0.130	0.009	0.006	NS	NS
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS	NS
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS	NS
Soluble Phosphorus	mg/L P	0.08	0.30	<0.01	0.03	0.19	0.63	NS	NS
Total Phosphorus	mg/L P	<0.30	0.40	<0.30	<0.30	0.30	0.80	NS	NS
Escherichia Coliform ³	MPN/100 mL	93	93	150	230	23	43	NS	NS
Fecal Coliform ³	MPN/100 mL	230	93	150	230	23	93	NS	NS

Weather Conditions during monitoring: Winds NNW at 23 km/hr with 40% cloud cover and 5mm of precipitation. Average air temperature during survey at 22 °C

- Notes:
- 1) LIMS Reference No: 37014
 - 2) Calculated values
 - 3) Analysed by contract laboratory.
 - 4) No sample for Bunns Creek at Bonner Avenue or Truro Creek at Portage Avenue due to no flow.

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

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