

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	August 28, 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	24.5	25.2	25.8	24.9	24.0	27.0	NS	NS
Dissolved Oxygen	mg/L	7.2	6.4	11.3	8.0	4.1	8.6	NS	NS
Oxygen Saturation ²	%	87	79	140	98	50	109	NS	NS
pH	units	8.17	7.60	8.45	8.18	7.45	8.41	NS	NS
Total Solids	mg/L	376	390	952	1300	802	646	NS	NS
Total Suspended Solids	mg/L	14	11	<4	6	<4	9	NS	NS
Turbidity	n.t.u.	17.3	26.2	3.8	4.1	1.8	22.7	NS	NS
Total Organic Carbon	mg/L	16	20	18	15	44	16	NS	NS
Chlorophyll a	ug/L	16	7	32	4	44	5	NS	NS
Ammonia Nitrogen	mg/L N	0.019	0.011	<0.003	0.055	0.103	0.011	NS	NS
Nitrate Nitrogen	mg/L N	0.015	<0.003	<0.003	0.044	0.017	<0.003	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	0.06	0.21	0.01	0.02	0.22	0.60	NS	NS
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	0.30	0.80	NS	NS
Escherichia Coliform ³	MPN/100 mL	210	210	230	930	230	43	NS	NS
Fecal Coliform ³	MPN/100 mL	930	930	230	930	230	93	NS	NS

Weather Conditions during monitoring: Winds N at 7 km/hr with 15 % cloud cover and 0 mm of precipitation. Average air temperature during survey at 28°C

- Notes:
- 1) LIMS Reference No: 36902
 - 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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