

**City of Winnipeg
Water and Waste Department**

2011 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : July 27, 2011		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHER BLVD	STURGEON CREEK @ PERIMETER ⁴	STURGEON CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE. ⁵	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE ⁵	TRURO CREEK @ PORTAGE AVE
Temperature	° C	22.4	23.4	NS	24.3	NS	24.5	NS	22.5
Dissolved Oxygen	mg/L	7.2	5.1	NS	9.9	NS	7.9	NS	1.4
Oxygen Saturation ²	%	84	61	NS	119	NS	96	NS	16
pH	units	8.19	7.80	NS	8.38	NS	8.15	NS	7.57
Total Solids	mg/L	480	500	NS	908	NS	624	NS	920
Total Suspended Solids	mg/L	80	32	NS	64	NS	42	NS	12
Turbidity	n.t.u.	73.4	21.5	NS	48.7	NS	23.2	NS	7.50
Total Organic Carbon	mg/L	21	20	NS	20	NS	18	NS	23
Chlorophyll a	ug/L	5	32	NS	164	NS	47	NS	18
Ammonia Nitrogen	mg/L N	0.011	0.051	NS	<0.003	NS	<0.003	NS	0.007
Nitrate Nitrogen	mg/L N	0.110	0.176	NS	0.022	NS	1.400	NS	<0.003
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	3.0	NS	<2.0	NS	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	NS	3.0	NS	2.4	NS	<2.0
Soluble Phosphorus	mg/L P	0.10	0.29	NS	0.19	NS	0.23	NS	0.40
Total Phosphorus	mg/L P	0.30	0.40	NS	0.60	NS	<0.30	NS	0.60
Escherichia Coliform ³	MPN/100 mL	120	230	NS	930	NS	750	NS	150
Fecal Coliform ³	MPN/100 mL	120	230	NS	930	NS	750	NS	150

Weather Conditions during monitoring: Winds SW at 18 km/hr with 80% cloud cover. Average air temperature during survey at 23.4°C.

Notes: 1) LIMS Reference No: 30288 2) Calculated values. Oxygen saturation data was revised on May 15, 2012. 3) Analysed by contract laboratory. 4) There is no sample for Sturgeon Creek at the Perimeter because the location was not accessible. 5) Data was revised on May 15, 2012 for the Omands Creek at Portage Ave and Bunns Creek at Bonner Ave sample locations. The results were not representative due to low flow conditions.	Report Compiled By: <u>J. Jones</u> Compliance Reporting Technician
	Approved in LIMS By: <u>S. Fletcher</u> Supervisor of Analytical Services
	Date Approved: <u>15-May-12</u>
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