

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : April 25, 2012		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.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	12.1	11.8	NS	11.8	10.4	12.2	11.2	10.0
Dissolved Oxygen	mg/L	10.3	10.3	NS	11.9	11.6	11.5	8.7	9.6
Oxygen Saturation ²	%	96	95	NS	110	104	108	80	86
pH	units	8.85	8.47	NS	8.47	8.28	8.85	8.78	8.80
Total Solids	mg/L	412	324	NS	1380	1280	584	876	808
Total Suspended Solids	mg/L	43	30	NS	66	21	45	18	11
Turbidity	n.t.u.	30.8	47.0	NS	27.8	16.0	64.5	7.3	13.1
Total Organic Carbon	mg/L	17	16	NS	10	14	11	13	10
Chlorophyll a	ug/L	1	9	NS	14	14	16	9	1
Ammonia Nitrogen	mg/L N	<0.003	0.006	NS	<0.003	<0.003	<0.003	<0.003	0.183
Nitrate Nitrogen	mg/L N	0.005	0.039	NS	0.037	0.006	0.006	<0.003	0.028
Total Kjeldahl Nitrogen	mg/L N	3.0	3.0	NS	3.0	3.0	3.0	3.0	2.0
Total Nitrogen ²	mg/L N	3.0	3.0	NS	3.0	3.0	3.0	3.0	2.0
Soluble Phosphorus	mg/L P	0.04	0.04	NS	<0.01	0.04	0.06	0.03	0.03
Total Phosphorus	mg/L P	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	7	230	NS	150	23	23	23	9
Fecal Coliform ³	MPN/100 mL	11	230	NS	430	23	23	23	9

Weather Conditions during monitoring: Winds NE at 21 km/hr with 90 % cloud cover. Average air temperature during survey at 9 °C

- Notes:
- 1) LIMS Reference No: 32556
 - 2) Calculated values
 - 3) Analysed by contract laboratory.
 - 4) There was no sample for Sturgeon Creek at Perimeter because the location was inaccessible.

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

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