

City of Winnipeg
Water and Waste Department

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : August 1, 2012		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. ⁴	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	22.6	23.7	22.0	22.7	NS	24.4	21.6	20.4
Dissolved Oxygen	mg/L	5.7	5.2	6.7	5.6	NS	6.6	2.8	5.5
Oxygen Saturation ²	%	66	62	77	66	NS	80	31	62
pH	units	8.29	8.21	8.31	8.11	NS	8.39	7.99	8.15
Total Solids	mg/L	360	434	1510	1380	NS	770	838	446
Total Suspended Solids	mg/L	12	30	<4	8	NS	55	44	<4
Turbidity	n.t.u.	30.7	30.8	4.3	7.6	NS	55.8	31.0	3.2
Total Organic Carbon	mg/L	21	20	8	9	NS	15	20	7
Chlorophyll a	ug/L	3	22	1	18	NS	57	188	5
Ammonia Nitrogen	mg/L N	0.033	1.480	0.931	0.648	NS	0.884	0.834	0.453
Nitrate Nitrogen	mg/L N	0.027	0.004	0.008	0.097	NS	0.006	0.007	0.043
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	3.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	3.0	<2.0
Soluble Phosphorus	mg/L P	0.11	0.25	0.03	0.08	NS	0.54	0.46	0.28
Total Phosphorus	mg/L P	0.30	0.50	<0.30	<0.30	NS	1.00	1.00	0.40
Escherichia Coliform ³	MPN/100 mL	210	75	150	430	NS	380	750	430
Fecal Coliform ³	MPN/100 mL	290	75	150	430	NS	380	750	430

Weather Conditions during monitoring: Winds NW at 29 km/hr with 100 % cloud cover. Average air temperature during survey at 22.3 °C.

- Notes: 1) LIMS Reference No: 33469
 2) Calculated values
 3) Analysed by contract laboratory.
 4] There was no sample for Omands Creek due to low flow

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