

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 6, 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	20.4	20.9	21.4	21.4	20.8	20.9	18.2	18.5
Dissolved Oxygen	mg/L	6.9	5.9	9.2	8.3	8.2	6.8	5.4	4.2
Oxygen Saturation ²	%	77	67	104	94	92	76	57	45
pH	units	8.19	8.17	8.14	8.15	8.73	7.84	8.40	7.98
Total Solids	mg/L	400	436	920	896	684	460	872	672
Total Suspended Solids	mg/L	105	36	48	22	6	71	43	5
Turbidity	n.t.u.	97.6	31.3	25.9	21.4	6.7	87.9	23.1	1.8
Total Organic Carbon	mg/L	19	18	12	12	15	11	15	16
Chlorophyll a	ug/L	<1	26	<1	9	nr	4	3	<1
Ammonia Nitrogen	mg/L N	0.059	0.090	0.932	0.084	0.097	0.135	0.070	0.040
Nitrate Nitrogen	mg/L N	0.080	0.098	1.390	3.220	0.123	5.890	0.031	0.011
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	2.4	4.2	<2.0	6.9	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.07	0.11	0.11	0.13	0.24	0.27	0.07	0.12
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	0.30	0.40	0.50	<0.30	0.30
Escherichia Coliform ³	MPN/100 mL	43	230	75	230	43	43	150	43
Fecal Coliform ³	MPN/100 mL	43	230	75	230	43	43	150	43

Weather Conditions during monitoring: Winds ENE at 9 km/hr with 10 % cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 22 °C

- Notes:
- 1) LIMS Reference No: 32934
 - 2) Calculated values
 - 3) Analysed by contract laboratory
 - 4) No chlorophyll a results for Omand's Creek at Portage Ave due to a technician error

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