

**City of Winnipeg
Water and Waste Department**

2007 Small Streams Survey Monitoring Report

Survey Date ¹ : June 6, 2007		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	17.3	18.2	13.6	16.0	17.0	19.2	16.7	15.9
Dissolved Oxygen	mg/L	8.5	7.2	7.9	8.3	9.4	10.0	5.6	7.1
Oxygen Saturation ²	%	89	76	76	85	98	109	58	72
pH	units	8.0	7.8	7.5	7.8	7.9	8.1	7.7	7.6
Total Solids	mg/L	457	517	1,290	1,150	1,060	523	970	630
Total Suspended Solids	mg/L	80	65	20	20	9	14	5	<4
Turbidity	n.t.u.	na	na	na	na	na	na	na	na
Total Organic Carbon	mg/L	na	na	na	na	na	na	na	na
Chlorophyll a	ug/L	5	6	8	49	58	47	11	2
Ammonia Nitrogen	mg/L N	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate Nitrogen	mg/L N	0.06	0.16	0.05	0.24	0.48	0.03	0.05	0.04
Total Kheldahl Nitrogen	mg/L N	0.06	0.16	0.05	0.24	0.48	0.03	0.05	0.04
Total Nitrogen ²	mg/L N	0.12	0.32	0.10	0.48	0.96	0.06	0.10	0.08
Phosphate	mg/L N	0.12	0.16	<0.04	<0.04	<0.04	0.22	0.05	<0.04
Total Phosphorus	mg/L P	<0.3	0.3	<0.3	<0.3	<0.3	0.4	<0.3	<0.3
Eshcerichia Coliform ³	col./100 mL	110	170	130	920	350	79	130	280
Fecal Coliform ³	col./100 mL	110	170	130	920	350	79	130	280
Weather Conditions during monitoring:		Partly cloudy, windy and high of 23 °C.							

Notes: 1) LIMS Reference No: 16930
 2) Calculated values
 3) Analysed by contract laboratory.
 nr = no results or not recorded
 na = not analyzed
 All other parameters analysed by the Analytical Services Branch of Environmental Standards Division.