

**City of Winnipeg  
Water and Waste Department**

**2007 Small Streams Survey Monitoring Report**

Survey Date <sup>1</sup> : November 14, 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	5.7	4.6	4.4	5.6	4.5	4.8	3.3	3.5
Dissolved Oxygen	mg/L	13.0	14.1	11.8	13.1	12.8	14.2	17.1	11.8
Oxygen Saturation <sup>2</sup>	%	104	109	91	104	98	111	128	89
pH	units	8	8	8	8	8	9	9	8
Total Solids	mg/L	343	320	1,440	1,590	1,090	777	733	737
Total Suspended Solids	mg/L	20	22	8	45	13	22	19	6
Turbidity	n.t.u.	14.4	19.3	3.6	18.5	11.2	13.6	8.5	4.8
Total Organic Carbon	mg/L	13	13	4	5	9	13	10	9
Chlorophyll a	ug/L	2	4	<1	50	4	33	89	7
Ammonia Nitrogen	mg/L N	0.06	0.06	0.11	0.08	0.07	0.07	0.07	0.07
Nitrate Nitrogen	mg/L N	0.03	0.06	0.12	0.44	0.10	<0.03	0.28	0.25
Total Kheldahl Nitrogen	mg/L N	0.09	0.12	0.23	0.52	0.17	0.07	0.35	0.32
Total Nitrogen <sup>2</sup>	mg/L N	0.12	0.18	0.35	0.96	0.27	0.07	0.63	0.57
Phosphite	mg/L N	0.05	0.06	0.06	0.06	<0.04	0.22	0.08	0.06
Total Phosphorus	mg/L P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Eshcerichia Coliform <sup>3</sup>	col./100 mL	36	74	11	920	2,300	360	23	<2
Fecal Coliform <sup>3</sup>	col./100 mL	74	360	11	920	2,300	360	36	7

Weather Conditions during monitoring: 100% Cloud cover with N winds at 44 km/hr and a mid-day Temperature of 0 Celcius.

Notes: 1) LIMS Reference No: 18650  
 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.