

**City of Winnipeg  
Water and Waste Department**

**2007 Small Streams Survey Monitoring Report**

Survey Date <sup>1</sup> : August 2, 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	25.2	25.4	18.9	22.9	23.3	25.5	23.7	22.6
Dissolved Oxygen	mg/L	7.3	6.3	7.0	6.4	8.3	6.1	2.0	2.8
Oxygen Saturation <sup>2</sup>	%	90	77	76	75	98	76	24	32
pH	units	8	8	8	8	8	8	8	7
Total Solids	mg/L	367	397	1,490	1,490	867	507	693	850
Total Suspended Solids	mg/L	27	25	61	15	6	65	13	11
Turbidity	n.t.u.	24.3	21.9	30.8	10.2	6.5	58.2	14.9	10.5
Total Organic Carbon	mg/L	25	27	7	8	30	14	28	74
Chlorophyll a	ug/L	14	9	37	26	6	33	91	42
Ammonia Nitrogen	mg/L N	<0.05	<0.05	<0.05	0.12	<0.05	0.24	0.50	0.35
Nitrate Nitrogen	mg/L N	0.11	0.15	0.11	0.36	0.30	0.18	0.15	0.45
Total Kheldahl Nitrogen	mg/L N	0.11	0.15	0.11	0.48	0.30	0.42	0.65	0.80
Total Nitrogen <sup>2</sup>	mg/L N	0.22	0.30	0.22	0.84	0.60	0.60	0.80	1.25
Phosphate	mg/L N	0.14	0.21	0.08	0.17	0.06	0.56	0.48	0.13
Total Phosphorus	mg/L P	<0.3	<0.3	<0.3	<0.3	<0.3	0.50	0.40	<0.3
Eshcerichia Coliform <sup>3</sup>	col./100 mL	130	920	350	920	> 1,600	33	> 1,600	> 1,600
Fecal Coliform <sup>3</sup>	col./100 mL	240	920	350	920	> 1,600	33	> 1,600	> 1,600
Weather Conditions during monitoring: About 10% cloud cover with NW winds at 37 km/hr and a mid-day Temperature of 23 Celcius.									

Notes: 1) LIMS Reference No: 17752  
 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.