

**City of Winnipeg  
Water and Waste Department**

**2007 Small Streams Survey Monitoring Report**

Survey Date <sup>1</sup> : August 29, 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	16.8	19.8	11.8	17.4	18.9	19.4	14.6	15.5
Dissolved Oxygen	mg/L	8.9	10.1	6.7	9.8	10.6	9.5	2.5	6.0
Oxygen Saturation <sup>2</sup>	%	92	112	62	103	114	104	24	61
pH	units	8	8	8	8	9	9	7	8
Total Solids	mg/L	383	410	1,510	1,810	793	724	567	440
Total Suspended Solids	mg/L	25	22	10	29	<4	74	13	6
Turbidity	n.t.u.	19.6	15.1	4.6	11.4	3.7	11.1	14.9	6.2
Total Organic Carbon	mg/L	16	16	4	6	16	10	16	12
Chlorophyll a	ug/L	9	21	7	52	3	92	22	5
Ammonia Nitrogen	mg/L N	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.40	<0.05
Nitrate Nitrogen	mg/L N	<0.03	<0.03	<0.03	0.03	0.03	<0.03	0.38	<0.03
Total Kheldahl Nitrogen	mg/L N	<0.03	<0.03	<0.03	0.03	0.03	<0.03	0.78	<0.03
Total Nitrogen <sup>2</sup>	mg/L N	<0.05	<0.05	<0.05	0.06	0.06	<0.05	1.16	<0.05
Phosphate	mg/L N	0.06	0.08	<0.04	<0.04	0.11	0.27	0.16	0.14
Total Phosphorus	mg/L P	<0.3	<0.3	<0.3	<0.3	<0.3	0.60	0.40	0.30
Eshcerichia Coliform <sup>3</sup>	col./100 mL	70	79	130	2,400	5,400	23	17,000	3,500
Fecal Coliform <sup>3</sup>	col./100 mL	70	79	170	3,500	11,000	23	17,000	3,500

Weather Conditions during monitoring: About 5% cloud cover and a mid-day Temperature of 22.7 Celcius.

Notes: 1) LIMS Reference No: 18050  
 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.