

**City of Winnipeg  
Water and Waste Department**

**2007 Small Streams Survey Monitoring Report**

Survey Date <sup>1</sup> : September 19, 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	13.5	14.6	9.7	13.4	13.0	14.3	12.0	11.3
Dissolved Oxygen	mg/L	6.9	13.9	12.6	8.0	9.6	6.2	7.3	8.8
Oxygen Saturation <sup>2</sup>	%	77	124	55	92	132	86	68	63
pH	units	8	9	7	8	9	8	8	8
Total Solids	mg/L	440	430	1,490	1,850	990	875	625	560
Total Suspended Solids	mg/L	10	22	5	10	<4	67	24	<4
Turbidity	n.t.u.	9.5	22.8	4.5	6.6	2.8	51.2	19.2	2.9
Total Organic Carbon	mg/L	13	13	5	6	14	10	14	11
Chlorophyll a	ug/L	2	92	5	36	3	47	86	2
Ammonia Nitrogen	mg/L N	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.31	<0.05
Nitrate Nitrogen	mg/L N	<0.03	<0.03	0.03	0.08	<0.03	<0.03	0.47	0.03
Total Kheldahl Nitrogen	mg/L N	<0.03	<0.03	0.03	0.08	<0.03	<0.03	0.78	0.03
Total Nitrogen <sup>2</sup>	mg/L N	<0.05	<0.05	0.06	0.16	<0.05	<0.05	1.25	0.06
Phosphate	mg/L N	0.07	0.12	0.09	0.13	0.08	0.22	0.15	0.26
Total Phosphorus	mg/L P	<0.3	<0.3	<0.3	<0.3	<0.3	0.30	<0.3	<0.3
Eshcerichia Coliform <sup>3</sup>	col./100 mL	110	23	26	79	70	920	350	110
Fecal Coliform <sup>3</sup>	col./100 mL	110	23	110	240	110	920	350	110

Weather Conditions during monitoring: About 2% cloud cover with NW winds at 15 km/hr and a mid-day Temperature of 16 Celcius.

Notes: 1) LIMS Reference No: 18218  
 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.