

**City of Winnipeg  
Water and Waste Department**

**2007 Small Streams Survey Monitoring Report**

Survey Date <sup>1</sup> : <b>October 17, 2007</b>		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	9.1	9.1	8.5	9.8	9.1	9.4	9.7	9.0
Dissolved Oxygen	mg/L	10.7	10.7	6.3	8.2	13.8	10.0	8.5	9.3
Oxygen Saturation <sup>2</sup>	%	93	93	54	72	119	88	75	80
pH	units	8	8	7	8	8	8	7	7
Total Solids	mg/L	337	397	1,410	1,180	743	680	607	387
Total Suspended Solids	mg/L	12	14	<4	14	7	21	39	6
Turbidity	n.t.u.	13.2	15.8	2.6	9.6	6.4	18.1	20.2	8.4
Total Organic Carbon	mg/L	10	10	5	6	10	12	11	7
Chlorophyll a	ug/L	2	6	6	31	47	32	72	13
Ammonia Nitrogen	mg/L N	<0.05	<0.05	<0.05	0.15	<0.05	<0.05	0.22	<0.05
Nitrate Nitrogen	mg/L N	<0.03	0.22	0.13	0.48	0.05	0.04	0.63	0.04
Total Kheldahl Nitrogen	mg/L N	<0.05	0.22	0.13	0.63	0.05	0.04	0.85	0.04
Total Nitrogen <sup>2</sup>	mg/L N	<0.05	0.44	0.26	1.11	0.10	0.08	1.48	0.08
Phosphate	mg/L N	0.06	0.09	<0.04	0.09	<0.04	0.26	0.09	0.06
Total Phosphorus	mg/L P	<0.3	<0.3	<0.3	<0.3	<0.3	0.5	<0.3	<0.3
Eshcerichia Coliform <sup>3</sup>	col./100 mL	34	440	22	4,900	27	460	21	79
Fecal Coliform <sup>3</sup>	col./100 mL	230	440	22	23,000	170	460	330	79
Weather Conditions during monitoring:		100% cloud cover with SE winds at 9 km/hr and a mid-day Temperature of 10 Celcius.							

Notes: 1) LIMS Reference No: 18440  
 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.