

**City of Winnipeg  
Water and Waste Department**

**2007 Small Streams Survey Monitoring Report**

Survey Date <sup>1</sup> : July 4, 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	23.5	23.2	22.3	22.8	24.3	22.2	21.8	20.0
Dissolved Oxygen	mg/L	7.2	4.7	4.8	6.4	5.2	3.9	5.5	5.0
Oxygen Saturation <sup>2</sup>	%	86	56	56	75	63	45	63	55
pH	units	8	7	7	8	8	7	8	8
Total Solids	mg/L	433	333	517	533	633	317	787	443
Total Suspended Solids	mg/L	79	12	24	40	9	20	4	<4
Turbidity	n.t.u.	72.7	15.6	33.2	9.5	14.3	32.9	3.2	1.9
Total Organic Carbon	mg/L	16	13	16	14	17	13	14	13
Chlorophyll a	ug/L	2	18	8	8	3	11	7	5
Ammonia Nitrogen	mg/L N	<0.05	0.08	0.09	0.13	<0.05	0.07	<0.05	<0.05
Nitrate Nitrogen	mg/L N	0.10	0.21	0.12	0.37	0.23	0.21	0.11	0.04
Total Kheldahl Nitrogen	mg/L N	0.10	0.29	0.21	0.50	0.23	0.28	0.11	0.04
Total Nitrogen <sup>2</sup>	mg/L N	0.20	0.50	0.33	0.87	0.46	0.49	0.22	0.08
Phosphate	mg/L N	0.20	0.26	0.44	0.42	0.40	0.50	0.26	0.17
Total Phosphorus	mg/L P	0.40	0.40	0.60	0.70	0.60	0.70	0.40	0.30
Eshcerichia Coliform <sup>3</sup>	col./100 mL	140	33	49	79	180	33	170	140
Fecal Coliform <sup>3</sup>	col./100 mL	140	33	79	920	920	33	350	220
Weather Conditions during monitoring:		About 20% cloud cover with winds W at 20 km/hR and mid-day Temperature of 24 Celcius.							

Notes: 1) LIMS Reference No: 17509  
 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.