

**City of Winnipeg
Water and Waste Department**

2007 Small Streams Survey Monitoring Report

Survey Date ¹ : May 7, 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	14.2	13.5	12.0	12.3	13.1	15.2	13.4	11.3
Dissolved Oxygen	mg/L	10.0	8.9	9.3	9.1	2.1	8.7	8.4	9.2
Oxygen Saturation ²	%	98	86	86.0	85	20	87	81	84
pH	units	8.2	8.1	7.7	7.9	7.3	7.9	8.3	7.8
Total Solids	mg/L	347	577	717	653	927	380	763	403
Total Suspended Solids	mg/L	13	30	30	19	11	26	14	<4
Turbidity	n.t.u.	na	na	na	na	na	na	na	na
Total Organic Carbon	mg/L	na	na	na	na	na	na	na	na
Chlorophyll a	ug/L	6	5	26	14	2	12	58	7
Ammonia Nitrogen	mg/L N	<0.05	0.65	0.07	0.12	<0.05	0.09	0.06	0.05
Nitrate Nitrogen	mg/L N	0.04	1.35	0.09	0.34	0.04	0.06	0.04	0.85
Total Kheldahl Nitrogen	mg/L N	0.04	2.00	0.16	0.46	0.04	0.15	0.10	0.90
Total Nitrogen ²	mg/L N	0.08	3.35	0.25	0.80	0.08	0.21	0.14	1.75
Phosphate	mg/L N	0.07	0.13	0.13	0.08	<0.04	0.13	<0.04	<0.04
Total Phosphorus	mg/L P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Eshcerichia Coliform ³	col./100 mL	49	70	79	9,200	920	7	240	79
Fecal Coliform ³	col./100 mL	49	70	79	9,200	920	7	240	79
Weather Conditions during monitoring:		nr							

Notes: 1) LIMS Reference No: 18218
 2) Calculated values
 3) Analysed by contract laboratory.
 All other parameters analysed by the Analytical Services Branch of Environmental Standards Division.

nr = no results or not recorded
 na = not analyzed