

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : September 4, 2008		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	15.0	15.9	14.6	16.2	16.2	16.4	16.1	15.8
Dissolved Oxygen	mg/L	8.7	8.0	7.6	7.3	7.1	7.8	6.9	8.0
Oxygen Saturation ²	%	87	81	75	74	72	80	70	81
pH	units	8.40	8.12	7.91	7.70	7.65	8.44	8.13	7.91
Total Solids	mg/L	320	424	740	532	324	648	648	448
Total Suspended Solids	mg/L	9	20	6	27	47	52	17	12
Turbidity	n.t.u.	17	21	6.9	32	40	46	21	12
Total Organic Carbon	mg/L	15	12	16	18	15	17	14	11
Chlorophyll a	ug/L	11	28	5	5	25	25	72	19
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.010	0.057	<0.003	<0.003	<0.003	0.004
Nitrate Nitrogen	mg/L N	0.011	0.339	0.054	0.574	0.280	0.006	0.020	0.088
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.09	0.22	0.24	0.27	0.21	0.48	0.08	0.12
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	0.30	0.60	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	30	230	80	8000	7000	50	30	110
Fecal Coliform ³	MPN/100 mL	50	230	130	8000	14200	50	110	170

Weather Conditions during monitoring: Winds NW at 2.9 km/hr with 98% cloud cover and 2.5 mm of precipitation. Average air temperature during survey at 13°C

- Notes: 1) LIMS Reference No: 21055
 2) Calculated values
 3) Analysed by contract laboratory.

Report Compiled By: J. Jones
 Compliance Reporting Technician

Approved for Distribution By: S. Fletcher
 Supervisor of Analytical Services

Date Approved: 26-Sep-08

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