

**City of Winnipeg
Water and Waste Department**

2010 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	June 3, 2010	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	17.8	17.5	19.6	19.3	19.9	18.3	18.2	19.3
Dissolved Oxygen	mg/L	6.4	5.1	4.8	6.6	3.8	5.8	6.7	6.0
Oxygen Saturation ²	%	68	54	53	73	42	62	71	66
pH	units	7.73	7.55	7.38	7.54	7.40	7.45	7.81	7.53
Total Solids	mg/L	424	336	456	416	416	532	512	352
Total Suspended Solids	mg/L	118	28	188	123	33	250	24	7
Turbidity	n.t.u.	107	37.3	167	173	117	296	18.0	22.9
Total Organic Carbon	mg/L	15	13	10	11	13	9	12	16
Chlorophyll a	ug/L	2	5	2	7	<1	5	11	<1
Ammonia Nitrogen	mg/L N	0.187	0.244	0.109	0.092	0.133	0.187	0.062	<0.003
Nitrate Nitrogen	mg/L N	1.730	1.840	1.430	1.370	3.440	1.550	0.205	0.429
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	2.7	2.8	2.4	2.4	4.4	2.6	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.25	0.28	0.44	0.44	0.34	0.30	0.12	0.22
Total Phosphorus	mg/L P	0.50	0.50	0.80	0.90	0.70	0.80	<0.30	0.40
Escherichia Coliform ³	MPN/100 mL	380	110	15	93	93	750	750	43
Fecal Coliform ³	MPN/100 mL	380	190	93	93	93	1200	750	43

Weather Conditions during monitoring: Winds S at 21 km/hr with no cloud cover. Average air temperature during survey at 20.7°C.

- Notes: 1) LIMS Reference No: 26316
 2) Calculated values
 3) Analysed by contract laboratory.

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