

**City of Winnipeg
Water and Waste Department**

2014 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	September 3, 2014	Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59 (S6)	SEINE RIVER @ PROVENCHER BLVD (S7)	STURGEON CREEK @ PERIMETER (S1)	STURGEON CREEK @ PORTAGE AVE (S2)	OMANDS CREEK @ PORTAGE AVE (S4)	LA SALLE RIVER @ HWY 75 (S5)	BUNNS CREEK @ BONNER AVE (S8)	TRURO CREEK @ PORTAGE AVE (S3)
Temperature	° C	16.6	16.5	16.4	17.2	16.8	18.1	17.6	15.8
Dissolved Oxygen	mg/L	8.1	7.3	7.2	8.2	7.3	6.8	8.1	7.4
Oxygen Saturation	%	83	75	73	85	75	72	85	74
Biochemical Oxygen Demand	mg/L	<3	nr ³	nr ³	<3	nr ³	nr ³	6	nr ³
pH	units	8.07	8.16	7.79	8.10	7.90	7.67	8.71	7.94
Total Solids	mg/L	698	402	1420	1400	778	652	622	1770
Total Suspended Solids	mg/L	61	51	4	13	<3	65	31	<3
Turbidity	n.t.u.	60.0	53.5	7.2	12.0	2.9	124.0	25.7	2.2
Total Organic Carbon	mg/L	18	21	21	14	15	17	22	19
Chlorophyll a	ug/L	3	4	6	3	2	5	45	2
Ammonia Nitrogen	mg/L N	0.099	0.133	0.098	0.114	0.059	0.131	0.091	0.111
Nitrate Nitrogen	mg/L N	0.276	0.315	0.074	0.172	0.168	0.149	<0.003	0.054
Total Kjeldahl Nitrogen	mg/L N	1.4	1.4	1.7	1.7	1.7	1.5	2.2	1.5
Total Nitrogen	mg/L N	1.7	1.7	1.8	1.9	1.9	1.6	2.2	1.6
Soluble Phosphorus	mg/L P	0.17	0.11	0.42	0.14	0.17	0.39	0.13	0.10
Total Phosphorus	mg/L P	0.30	<0.20	0.50	0.20	<0.20	0.50	<0.20	<0.20
Escherichia Coliform ²	MPN/100 mL	930	930	43	150	28	93	1500	230
Fecal Coliform ²	MPN/100 mL	930	930	93	750	430	93	1500	230

Weather Conditions during monitoring Winds SE at 5 km/hr with 25% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 19°C

Notes: 1) LIMS Reference No: 40341
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit

Report Compiled By: H.Demchenko
 Compliance Reporting Technician

Approved in LIMS By: C.Diduck
 Analytical Services Branch Head

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