

**City of Winnipeg  
Water and Waste Department**

**2014 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	July 23, 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	21.2	22.6	19.6	21.6	19.9	23.5	18.9	18.3
Dissolved Oxygen	mg/L	8.0	4.4	9.0	8.2	7.4	7.6	3.6	5.0
Oxygen Saturation	%	90	51	98	93	81	89	39	53
Biochemical Oxygen Demand	mg/L	<3	nr <sup>3</sup>	<3	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	8.28	7.99	7.84	8.16	8.46	8.10	7.88	7.78
Total Solids	mg/L	438	472	1000	1220	862	554	788	506
Total Suspended Solids	mg/L	51	52	8	16	<3	53	6	3
Turbidity	n.t.u.	47.4	49.8	8.1	12.9	2.6	56.8	6.1	1.1
Total Organic Carbon	mg/L	24	26	18	20	23	25	21	16
Chlorophyll a	ug/L	5	12	5	27	1	15	28	1
Ammonia Nitrogen	mg/L N	0.221	0.144	0.031	0.010	0.016	0.092	0.030	0.046
Nitrate Nitrogen	mg/L N	0.031	0.080	0.013	0.125	0.023	0.016	0.009	<0.003
Total Kjeldahl Nitrogen	mg/L N	1.4	1.4	1.3	2.1	1.5	1.9	2.6	1.0
Total Nitrogen	mg/L N	1.4	1.5	1.3	2.2	1.5	1.9	2.6	1.0
Soluble Phosphorus	mg/L P	0.14	0.20	0.30	0.25	0.27	0.61	0.40	0.34
Total Phosphorus	mg/L P	0.20	1.30	0.50	0.60	0.90	1.30	0.60	0.40
Escherichia Coliform <sup>2</sup>	MPN/100 mL	150	75	230	230	150	43	1500	7
Fecal Coliform <sup>2</sup>	MPN/100 mL	210	75	230	430	150	43	2100	7

Weather Conditions during monitoring Winds N at 10 km/hr with 25% cloud cover and 0.2 mm of precipitation. Average air temperature during survey at 20°C

- Notes: 1) LIMS Reference No: 39899  
 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

Date Compiled: 17-Jan-19

File No: 040-14-09-03-00