

**City of Winnipeg  
Water and Waste Department**

**2014 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	August 6, 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	22.5	23.9	18.6	22.2	21.1	25.0	21.0	19.7
Dissolved Oxygen	mg/L	7.6	6.0	7.7	8.0	8.4	8.0	7.2	5.3
Oxygen Saturation	%	88	71	81	91	94	96	80	58
Biochemical Oxygen Demand	mg/L	<3	nr <sup>3</sup>	<3	4	<3	3	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	8.33	8.08	7.83	8.27	8.61	8.28	8.32	7.96
Total Solids	mg/L	452	430	1350	1660	898	566	870	626
Total Suspended Solids	mg/L	51	34	8	27	<3	26	6	76
Turbidity	n.t.u.	40.9	28.7	7.6	19.4	4.1	22.6	4.1	25.8
Total Organic Carbon	mg/L	23	23	10	14	18	24	22	24
Chlorophyll a	ug/L	4	13	6	13	<1	22	17	138
Ammonia Nitrogen	mg/L N	0.064	0.031	0.039	0.049	0.038	0.024	0.073	0.036
Nitrate Nitrogen	mg/L N	0.005	0.009	<0.003	0.146	0.049	<0.003	0.009	<0.003
Total Kjeldahl Nitrogen	mg/L N	0.6	2.2	0.9	1.0	1.5	1.9	2.6	1.5
Total Nitrogen	mg/L N	0.6	2.2	0.9	1.1	1.5	1.9	2.6	1.5
Soluble Phosphorus	mg/L P	0.08	0.13	0.02	0.08	0.14	0.65	0.83	0.25
Total Phosphorus	mg/L P	0.30	0.60	0.20	0.20	0.40	1.10	1.20	0.80
Escherichia Coliform <sup>2</sup>	MPN/100 mL	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>
Fecal Coliform <sup>2</sup>	MPN/100 mL	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>	nr <sup>4</sup>

Weather Conditions during monitoring Winds SE at 14 km/hr with 50% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 25°C

- Notes: 1) LIMS Reference No: 40053  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO was below the BOD test limit  
 4) No result due to contract lab error.

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