

**City of Winnipeg  
Water and Waste Department**

**2014 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	June 25, 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	19.0	18.7	18.3	18.2	18.3	19.0	19.0	16.6
Dissolved Oxygen	mg/L	7.6	4.7	6.2	7.5	5.6	6.4	6.8	6.2
Oxygen Saturation	%	82	50	66	80	59	70	73	63
Biochemical Oxygen Demand	mg/L	<3	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	7.92	7.37	7.51	7.59	7.31	7.54	7.54	7.39
Total Solids	mg/L	502	478	462	504	470	442	764	1430
Total Suspended Solids	mg/L	97	12	15	64	6	10	8	82
Turbidity	n.t.u.	99.5	19.3	38.6	94.0	6.0	15.8	7.6	21.6
Total Organic Carbon	mg/L	28	22	26	26	24	20	19	28
Chlorophyll a	ug/L	2	<1	3	1	22	25	<1	15
Ammonia Nitrogen	mg/L N	0.016	0.233	0.034	0.084	<0.003	0.068	0.118	0.145
Nitrate Nitrogen	mg/L N	0.098	0.799	0.078	0.096	0.017	1.400	0.150	0.011
Total Kjeldahl Nitrogen	mg/L N	2.6	2.7	3.1	10.2	2.7	8.3	5.2	3.8
Total Nitrogen	mg/L N	2.7	3.5	3.2	10.3	2.7	9.7	5.4	3.8
Soluble Phosphorus	mg/L P	0.17	0.44	0.49	0.58	0.49	0.43	0.33	0.27
Total Phosphorus	mg/L P	0.50	0.40	0.60	0.80	0.20	2.80	0.70	0.60
Escherichia Coliform <sup>2</sup>	MPN/100 mL	150	2300	230	230	430	750	210	43
Fecal Coliform <sup>2</sup>	MPN/100 mL	150	2300	230	230	430	750	210	43

Weather Conditions during monitoring Winds E at 16 km/hr with 100% cloud cover and 0.3 mm of precipitation. Average air temperature during survey at 16°C

Notes: 1) LIMS Reference No: 39613  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO and/or temperature were outside the BOD test limit.

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