

**City of Winnipeg  
Water and Waste Department**

**2016 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	June 2, 2016	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	14.6	14.7	14.6	14.6	14.1	17.9	15.0	12.9
Dissolved Oxygen	mg/L	8.6	8.5	9.5	9.4	8.2	9.9	7.3	7.6
Oxygen Saturation	%	84	84	93	92	80	105	73	72
Biochemical Oxygen Demand	mg/L	3	<3	<3	<3	<3	5	nr <sup>3</sup>	<3
pH	units	8.04	7.96	8.27	8.23	7.79	8.31	7.68	7.63
Total Solids	mg/L	550	606	846	830	780	616	820	434
Total Suspended Solids	mg/L	63	55	6	8	3	27	5	3
Turbidity	n.t.u.	49.2	42.2	6.6	10.8	5.4	23.1	6.0	3.9
Total Organic Carbon	mg/L	19	17	23	20	13	18	14	16
Chlorophyll a	ug/L	4	6	3	3	<1	36	3	3
Ammonia Nitrogen	mg/L N	0.083	0.619	0.010	0.056	0.011	0.003	0.105	0.061
Nitrate Nitrogen	mg/L N	0.803	8.940	0.130	0.587	0.097	0.587	0.181	0.044
Total Nitrogen	mg/L N	12.7	2.2	1.9	2.3	0.8	2.1	1.2	1.0
Soluble Phosphorus	mg/L P	0.17	0.22	0.35	0.25	0.20	0.15	0.18	0.05
Total Phosphorus	mg/L P	0.40	0.30	0.50	0.40	0.30	0.40	0.30	<0.20
Escherichia Coliform <sup>2</sup>	MPN/100 mL	2400	930	430	240	380	150	1500	430
Fecal Coliform <sup>2</sup>	MPN/100 mL	2400	1500	430	930	380	150	4300	430

Weather Conditions during monitoring Winds N at 7 km/hr with 65% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 14.7°C

- Notes: 1) LIMS Reference No: 46368  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO was below the BOD test limit.

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