

**City of Winnipeg  
Water and Waste Department**

**2015 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	August 27, 2015		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	17.2	16.9	17.3	17.5	16.6	19.6	17.3	16.1
Dissolved Oxygen	mg/L	7.8	7.6	10.1	8.9	5.8	8.0	6.7	7.0
Oxygen Saturation	%	82	78	105	93	59	87	70	71
Biochemical Oxygen Demand	mg/L	<3	nr <sup>3</sup>	<3	<3	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	7.88	7.79	8.36	8.29	7.69	7.93	7.42	7.86
Total Solids	mg/L	392	434	694	770	760	442	480	634
Total Suspended Solids	mg/L	73	29	<3	<3	4	14	21	<3
Turbidity	n.t.u.	62.6	33.6	5.0	4.2	4.9	18.3	16.8	3.4
Total Organic Carbon	mg/L	65	14	10	9	7	17	15	11
Chlorophyll a	ug/L	2	20	4	2	6	20	27	2
Ammonia Nitrogen	mg/L N	0.022	0.037	0.033	0.038	0.035	0.029	0.082	0.016
Nitrate Nitrogen	mg/L N	0.108	0.010	0.008	0.147	0.120	0.233	0.302	0.098
Total Kjeldahl Nitrogen	mg/L N	1.2	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Nitrogen	mg/L N	1.3	0.3	1.5	0.4	0.4	0.5	0.6	0.3
Soluble Phosphorus	mg/L P	0.18	0.38	0.38	0.31	0.04	0.68	0.25	0.10
Total Phosphorus	mg/L P	1.10	0.30	2.30	0.30	<0.20	0.80	0.30	<0.20
Escherichia Coliform <sup>2</sup>	MPN/100 mL	93	150	93	1500	930	4	430	240
Fecal Coliform <sup>2</sup>	MPN/100 mL	240	430	93	1500	930	43	430	240

Weather Conditions during monitoring Winds S at 6 km/hr with 10% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 19.5°C

Notes: 1) LIMS Reference No: 43656  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO was below the BOD test limit.

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