

**City of Winnipeg  
Water and Waste Department**

**2015 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	June 19, 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	17.4	18.3	14.8	18.5	15.7	19.7	17.9	15.3
Dissolved Oxygen	mg/L	7.6	7.0	8.4	9.2	7.3	10.4	5.9	5.9
Oxygen Saturation	%	79	74	83	98	74	113	61	59
Biochemical Oxygen Demand	mg/L	<3	nr <sup>3</sup>	<3	<3	<3	9	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	8.01	7.85	7.86	8.39	8.23	8.83	8.24	7.83
Total Solids	mg/L	334	370	1300	1270	930	490	834	588
Total Suspended Solids	mg/L	50	66	3	3	<3	25	<3	36
Turbidity	n.t.u.	35.7	31.6	2.3	3.6	1.7	20.3	1.9	7.0
Total Organic Carbon	mg/L	26	28	15	17	24	23	19	25
Chlorophyll a	ug/L	1	4	<1	6	<1	71	6	22
Ammonia Nitrogen	mg/L N	<0.003	0.043	0.013	<0.003	0.039	0.309	0.027	0.004
Nitrate Nitrogen	mg/L N	0.069	0.119	0.024	0.009	0.104	0.491	0.040	0.021
Total Kjeldahl Nitrogen	mg/L N	<0.5	0.5	<0.5	0.6	<0.5	4.1	<0.5	0.8
Total Nitrogen	mg/L N	0.3	0.6	0.3	0.6	0.4	4.6	0.3	0.8
Soluble Phosphorus	mg/L P	0.10	0.25	0.04	0.05	0.23	0.17	0.27	0.16
Total Phosphorus	mg/L P	0.30	0.30	<0.20	<0.20	0.30	0.40	0.30	0.40
Escherichia Coliform <sup>2</sup>	MPN/100 mL	43	93	930	23	230	15	150	93
Fecal Coliform <sup>2</sup>	MPN/100 mL	93	230	930	23	230	15	150	93

Weather Conditions during monitoring Winds S at 26 km/hr with 90% cloud cover and 4 mm of precipitation. Average air temperature during survey at 16°C

Notes: 1) LIMS Reference No: 42966  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO was below the BOD test limit.

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