

**City of Winnipeg  
Water and Waste Department**

**2017 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	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	4.9	5.8	4.5	4.8	4.3	6.6	5.3	2.9
Dissolved Oxygen	mg/L	11.0	12.7	11.0	11.3	13.2	12.8	12.4	11.1
Oxygen Saturation	%	86	101	86	89	101	105	98	82
Biochemical Oxygen Demand	mg/L	<3	<3	<3	8	<3	4	9	<3
pH	units	7.91	7.97	7.40	7.55	7.95	7.99	8.29	7.53
Total Solids	mg/L	420	544	630	644	936	492	938	774
Total Suspended Solids	mg/L	31	14	58	33	6	33	14	13
Turbidity	n.t.u.	24.8	15.5	99.2	89.6	11.3	32.6	8.1	6.3
Total Organic Carbon	mg/L	13	13	15	15	15	18	15	14
Chlorophyll a	ug/L	3	5	3	3	3	35	73	16
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	0.080	0.011	<0.003	0.007	<0.003
Nitrate Nitrogen	mg/L N	0.020	0.114	0.198	0.208	0.030	<0.003	<0.003	<0.003
Total Nitrogen	mg/L N	0.6	0.8	1.2	1.3	0.8	1.0	1.0	0.7
Soluble Phosphorus	mg/L P	0.03	0.04	0.44	0.43	0.14	0.26	0.05	<0.01
Total Phosphorus	mg/L P	0.13	0.14	0.71	nr	0.27	0.45	0.23	0.13
Escherichia Coliform <sup>2</sup>	MPN/100 mL	20	200	10	9800	40	<10	20	10
Fecal Coliform <sup>2</sup>	MPN/100 mL	10	60	10	6490	50	<10	10	40

Weather Conditions during monitoring Winds NE at 9 km/hr with 30% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 2°C

Notes: 1) LIMS Reference No: 49364  
 2) Analysed by contract laboratory.  
 3) No result due to interference.

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