

**City of Winnipeg  
Water and Waste Department**

**2017 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	September 28, 2017	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	12.2	12.0	10.8	12.8	11.8	13.0	12.3	11.7
Dissolved Oxygen	mg/L	9.0	8.8	7.2	7.0	7.5	9.7	7.5	6.2
Oxygen Saturation	%	85	82	65	66	69	92	70	57
Biochemical Oxygen Demand	mg/L	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>	nr <sup>3</sup>
pH	units	7.77	7.69	7.37	7.60	7.40	8.15	7.91	7.22
Total Solids	mg/L	418	506	1650	946	696	1040	766	410
Total Suspended Solids	mg/L	31	43	5	7	5	33	32	5
Turbidity	n.t.u.	37.1	38.1	3.6	8.1	6.9	32.8	34.5	6.6
Total Organic Carbon	mg/L	12	15	10	8	11	17	13	9
Chlorophyll a	ug/L	3	25	1	4	1	34	51	2
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	0.136	0.018	<0.003	0.339	<0.003
Nitrate Nitrogen	mg/L N	<0.003	0.385	<0.003	0.166	0.262	<0.003	0.195	0.010
Total Nitrogen	mg/L N	0.6	1.3	0.7	1.0	1.0	1.4	1.6	0.8
Soluble Phosphorus	mg/L P	0.07	0.12	0.08	0.12	0.16	0.30	0.09	0.05
Total Phosphorus	mg/L P	0.12	0.21	0.04	0.15	0.16	0.35	0.24	0.03
Escherichia Coliform <sup>2</sup>	MPN/100 mL	248	308	50	261	115	260	1120	921
Fecal Coliform <sup>2</sup>	MPN/100 mL	276	214	35	172	96	194	770	1120

Weather Conditions during monitoring: Winds N at 8 km/hr with 50% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 14°C

<p>Notes: 1) LIMS Reference No: 50856          2) Analysed by contract laboratory.          3) No result because the initial DO and/or temperature were outside the BOD test limits</p> <p>File No: 040-14-09-03-00</p>	<p>Report Compiled By: <u>H.Demchenko</u>          Compliance Reporting Technician</p> <p>Approved in LIMS By: <u>C.Diduck</u>          Analytical Services Branch Head</p> <p>Date Compiled: <u>22-Jan-19</u></p>
---	--