

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :		October 12, 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	8.2	8.0	7.5	8.7	8.4	8.8	8.1	8.9		
Dissolved Oxygen	mg/L	10.3	10.2	9.2	10.3	10.2	10.8	8.2	7.9		
Oxygen Saturation	%	88	86	77	89	87	93	69	68		
Biochemical Oxygen Demand	mg/L	3	<3	<3	3	<3	3	nr ³	nr ³		
pH	units	7.60	7.68	7.56	8.08	7.71	8.12	7.57	7.30		
Total Solids	mg/L	344	370	1530	1540	810	1340	846	506		
Total Suspended Solids	mg/L	17	26	5	9	7	18	21	14		
Turbidity	n.t.u.	23.8	29.1	4.0	8.3	9.5	14.3	21.2	14.9		
Total Organic Carbon	mg/L	19	21	14	16	17	23	19	15		
Chlorophyll a	ug/L	2	3	2	55	2	37	36	6		
Ammonia Nitrogen	mg/L N	<0.003	0.009	<0.003	<0.003	<0.003	0.156	0.217	0.097		
Nitrate Nitrogen	mg/L N	<0.003	0.020	0.005	0.206	0.050	<0.003	0.357	0.070		
Total Nitrogen	mg/L N	0.5	0.6	0.4	0.8	0.7	1.0	1.7	0.6		
Soluble Phosphorus	mg/L P	0.12	0.07	0.03	0.06	0.08	0.14	0.08	0.06		
Total Phosphorus	mg/L P	0.09	0.13	0.03	0.08	0.09	0.25	0.19	0.06		
Escherichia Coliform ²	MPN/100 mL	49	1990	51	53	25	41	64	579		
Fecal Coliform ²	MPN/100 mL	42	>2420	44	46	23	68	129	488		

Weather Conditions during monitoring Winds S at 12 km/hr with 95% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 9°C

- Notes: 1) LIMS Reference No: 51003
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

Report Compiled By: H.Demchenko
 Compliance Reporting Technician

Approved in LIMS By: C.Diduck
 Analytical Services Branch Head

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