

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 25, 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	14.6	14.8	12.2	14.0	13.5	15.5	14.5	12.7
Dissolved Oxygen	mg/L	9.6	8.0	9.7	9.4	8.4	9.5	5.8	7.1
Oxygen Saturation	%	94	89	90	91	81	95	57	67
Biochemical Oxygen Demand	mg/L	<3	<3	<3	4	nr ³	<3	nr ³	nr ³
pH	units	8.14	8.17	7.92	8.02	8.13	8.15	8.43	7.72
Total Solids	mg/L	400	438	1200	1110	1090	734	1160	692
Total Suspended Solids	mg/L	32	48	14	14	3	49	8	<3
Turbidity	n.t.u.	29.4	37.9	13.5	12.9	4.9	38.5	12.5	1.7
Total Organic Carbon	mg/L	12	12	9	9	12	13	13	10
Chlorophyll a	ug/L	4	14	16	33	1	15	45	6
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	<0.003	0.030	0.020	0.200	0.010	<0.003	<0.003	<0.003
Total Nitrogen	mg/L N	0.7	0.7	0.8	1.1	0.9	1.0	1.2	0.6
Soluble Phosphorus	mg/L P	0.06	0.09	0.19	0.20	0.18	0.17	0.15	0.16
Total Phosphorus	mg/L P	0.13	0.16	0.26	0.32	0.27	0.27	0.21	0.24
Escherichia Coliform ²	MPN/100 mL	27	147	88	80	236	22	435	19
Fecal Coliform ²	MPN/100 mL	Out Err	Out Err	Out Err	Out Err	Out Err	Out Err	Out Err	Out Err

Weather Conditions during monitoring Winds South at 7 km/hr with 80% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 14°C

- Notes: 1) LIMS Reference No: 49606
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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