

**City of Winnipeg
Water and Waste Department**

2016 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :		November 2, 2016							
		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	5.9	6.8	5.2	6.1	5.7	5.6	7.2	5.7
Dissolved Oxygen	mg/L	10.5	10.9	9.1	10.3	11.1	11.6	10.2	10.1
Oxygen Saturation	%	85	91	71	82	88	92	85	81
Biochemical Oxygen Demand	mg/L	3	<3	<3	<3	<3	5	9	<3
pH	units	7.72	6.92	7.19	7.64	7.40	7.84	7.93	7.33
Total Solids	mg/L	472	520	1100	812	754	570	808	476
Total Suspended Solids	mg/L	30	34	7	8	6	18	18	11
Turbidity	n.t.u.	33.2	30.0	7.3	13.8	11.2	15.3	12.2	32.0
Total Organic Carbon	mg/L	15	12	6	6	7	14	11	6
Chlorophyll a	ug/L	3	11	2	1	1	46	86	5
Ammonia Nitrogen	mg/L N	<0.003	0.129	0.054	0.004	0.064	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.264	0.623	0.174	0.191	0.135	0.732	0.219	0.040
Total Nitrogen	mg/L N	1.6	1.9	0.7	0.6	0.5	2.6	2.0	0.4
Soluble Phosphorus	mg/L P	0.36	0.49	0.19	0.19	0.20	0.38	0.10	0.05
Total Phosphorus	mg/L P	0.50	0.60	<0.2	0.20	0.20	0.50	0.30	<0.2
Escherichia Coliform ²	MPN/100 mL	2400	93	23	430	74	21	300	300
Fecal Coliform ²	MPN/100 mL	2400	93	23	430	74	93	300	300

Weather Conditions during monitoring Winds N at 8 km/hr with 100% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 3°C

Notes: 1) LIMS Reference No: 47874
2) Analysed by contract laboratory.

Report Compiled By: H.Demchenko
Compliance Reporting Technician

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

Date Compiled: 22-Jan-19

File No: 040-14-09-03-00