

**City of Winnipeg
Water and Waste Department**

2016 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 28, 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	20.8	21.5	20.9	21.7	20.1	24.6	18.8	17.7
Dissolved Oxygen	mg/L	7.8	7.0	7.8	7.8	6.1	6.4	2.6	4.7
Oxygen Saturation	%	88	78	87	88	67	77	27	50
Biochemical Oxygen Demand	mg/L	<3	nr ³	<3	<3	nr ³	nr ³	nr ³	nr ³
pH	units	8.12	7.90	7.89	7.81	7.59	7.97	7.39	7.45
Total Solids	mg/L	432	412	618	630	664	580	708	524
Total Suspended Solids	mg/L	80	44	10	10	3	26	17	8
Turbidity	n.t.u.	57.3	38.7	10.3	8.4	3.6	22.9	11.1	5.0
Total Organic Carbon	mg/L	19	19	17	17	15	20	16	17
Chlorophyll a	ug/L	4	6	6	5	2	20	19	5
Ammonia Nitrogen	mg/L N	<0.003	0.019	<0.003	0.023	<0.003	<0.003	0.094	0.046
Nitrate Nitrogen	mg/L N	0.060	0.080	0.030	0.121	0.020	0.030	0.040	0.030
Total Nitrogen	mg/L N	1.1	1.2	1.5	1.7	1.2	1.5	1.5	1.3
Soluble Phosphorus	mg/L P	0.09	0.18	0.67	0.67	0.43	0.48	0.33	0.35
Total Phosphorus	mg/L P	0.18	0.21	0.87	0.87	0.59	0.56	0.69	0.48
Escherichia Coliform ²	MPN/100 mL	240	240	240	93	110	15	240	240
Fecal Coliform ²	MPN/100 mL	240	240	240	93	210	15	240	430

Weather Conditions during monitoring Winds N at 2 km/hr with <1% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 20°C

- Notes: 1) LIMS Reference No: 46942
 2) Analysed by contract laboratory.
 3) No result because the initial DO and/or Temperature were outside the BOD test limits

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