

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 17, 2015	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	22.6	23.1	21.6	23.4	21.1	25.1	22.3	20.7
Dissolved Oxygen	mg/L	7.2	6.7	5.3	7.0	4.3	8.7	2.9	4.0
Oxygen Saturation	%	83	78	59	82	48	105	33	44
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³
pH	units	8.15	8.01	7.68	8.06	7.65	8.19	7.58	7.65
Total Solids	mg/L	420	460	692	720	616	484	694	472
Total Suspended Solids	mg/L	54	92	<3	8	<3	42	<3	<3
Turbidity	n.t.u.	50.2	60.2	1.5	7.7	4.3	40.6	2.2	2.3
Total Organic Carbon	mg/L	24	26	11	14	13	17	14	15
Chlorophyll a	ug/L	1	6	3	3	2	53	4	2
Ammonia Nitrogen	mg/L N	0.016	0.027	<0.003	0.066	0.138	0.010	0.157	<0.003
Nitrate Nitrogen	mg/L N	0.104	0.088	<0.003	0.051	0.152	0.005	0.074	0.025
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5
Total Nitrogen	mg/L N	0.4	0.3	0.3	0.3	0.4	0.5	0.3	0.3
Soluble Phosphorus	mg/L P	0.11	0.13	0.23	0.23	0.20	0.53	0.30	0.21
Total Phosphorus	mg/L P	0.30	0.30	0.40	0.40	0.30	0.80	0.40	0.30
Escherichia Coliform ²	MPN/100 mL	230	230	210	23	4600	23	230	930
Fecal Coliform ²	MPN/100 mL	230	230	930	74	4600	23	230	2000

Weather Conditions during monitoring Winds SW at 18 km/hr with 90% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 19.8°C

- Notes: 1) LIMS Reference No: 43256
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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