

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 5, 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	14.1	14.3	12.1	14.8	12.0	15.6	13.8	11.5
Dissolved Oxygen	mg/L	9.2	9.2	9.2	11.5	10.1	8.8	6.9	6.1
Oxygen Saturation	%	91	89	86	113	94	88	67	56
Biochemical Oxygen Demand	mg/L	<3	<3	<3	6	<3	<3	nr ³	nr ³
pH	units	8.30	8.02	7.95	8.53	8.13	8.12	7.84	7.82
Total Solids	mg/L	256	324	1140	960	1010	476	890	666
Total Suspended Solids	mg/L	14	43	3	17	4	44	5	<3
Turbidity	n.t.u.	18.3	39.4	3.7	11.9	7.3	33.2	4.1	4.5
Total Organic Carbon	mg/L	22	24	22	24	23	16	20	26
Chlorophyll a	ug/L	<1	7	12	39	4	16	4	3
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	0.050	<0.003	0.058	<0.003
Nitrate Nitrogen	mg/L N	0.004	0.030	0.007	<0.003	0.083	0.005	0.048	0.009
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	0.5	0.6	0.7	<0.5	0.6	<0.5
Total Nitrogen	mg/L N	0.3	0.3	0.5	0.6	0.8	0.3	0.6	0.3
Soluble Phosphorus	mg/L P	0.06	0.06	0.08	0.03	0.13	0.10	0.13	0.20
Total Phosphorus	mg/L P	<0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.40
Escherichia Coliform ²	MPN/100 mL	23	750	23	43	430	93	210	230
Fecal Coliform ²	MPN/100 mL	23	750	23	43	430	93	210	230

Weather Conditions during monitoring Winds S at 19 km/hr with 10% cloud cover and 8.1 mm of precipitation. Average air temperature during survey at 16.2°C

Notes: 1) LIMS Reference No: 42464
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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