

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 20, 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	9.2	9.7	10.9	10.5	10.4	8.1	10.0	10.2
Dissolved Oxygen	mg/L	8.8	9.4	8.2	9.0	7.2	9.5	10.2	7.3
Oxygen Saturation	%	77	83	74	80	65	81	91	65
Biochemical Oxygen Demand	mg/L	nr ⁴	nr ⁴	nr ⁴	nr ⁴	nr ³	nr ⁴	nr ⁴	nr ³
pH	units	7.70	7.69	7.74	7.73	7.51	7.54	7.81	7.53
Total Solids	mg/L	520	572	632	636	532	810	784	512
Total Suspended Solids	mg/L	149	32	51	70	27	177	6	<3
Turbidity	n.t.u.	143.0	46.3	53.2	62.4	36.2	397.0	10.5	7.7
Total Organic Carbon	mg/L	22	19	19	20	21	28	17	19
Chlorophyll a	ug/L	3	12	2	4	4	7	19	5
Ammonia Nitrogen	mg/L N	0.229	0.163	0.354	0.382	0.094	0.517	0.035	0.008
Nitrate Nitrogen	mg/L N	5.55	4.21	14.90	14.40	8.90	10.80	0.75	7.45
Total Kjeldahl Nitrogen	mg/L N	0.9	0.6	1.4	0.8	0.6	1.8	<0.5	<0.5
Total Nitrogen	mg/L N	6.5	4.8	16.3	15.2	9.5	12.6	1.0	7.7
Soluble Phosphorus	mg/L P	0.05	0.06	0.08	0.09	0.10	0.06	0.22	0.03
Total Phosphorus	mg/L P	0.60	0.50	0.60	0.60	0.70	0.90	0.40	0.60
Escherichia Coliform ²	MPN/100 mL	730	430	75	430	43	93	380	43
Fecal Coliform ²	MPN/100 mL	730	430	120	430	43	930	380	43

Weather Conditions during monitoring Winds SSW at 17 km/hr with 10% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 13.6°C

- Notes: 1) LIMS Reference No: 42594
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.
 4) No result due to QC failure

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