

**City of Winnipeg
Water and Waste Department**

2015 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	August 13, 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	21.3	21.7	23.2	22.6	22.0	23.3	22.1	21.2
Dissolved Oxygen	mg/L	7.5	6.9	3.8	5.9	4.5	7.5	3.6	6.7
Oxygen Saturation	%	85	78	45	68	51	88	41	75
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	<3	<3	nr ³
pH	units	8.20	7.86	7.49	7.56	7.62	7.93	8.12	7.67
Total Solids	mg/L	398	394	294	334	648	430	596	278
Total Suspended Solids	mg/L	65	40	<3	6	<3	34	8	<3
Turbidity	n.t.u.	49.8	32.2	4.7	8.0	5.3	29.1	12.4	3.7
Total Organic Carbon	mg/L	16	16	15	14	9	17	14	7
Chlorophyll a	ug/L	2	10	3	2	2	13	33	4
Ammonia Nitrogen	mg/L N	0.092	0.029	0.027	0.063	0.081	<0.003	0.349	0.018
Nitrate Nitrogen	mg/L N	0.084	0.291	0.016	0.043	0.114	0.262	0.091	0.171
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5
Total Nitrogen	mg/L N	0.3	0.5	0.3	0.3	0.4	0.5	0.9	0.4
Soluble Phosphorus	mg/L P	0.10	0.12	0.48	0.50	0.14	0.59	0.17	0.08
Total Phosphorus	mg/L P	0.20	0.30	0.70	0.60	0.20	0.80	0.30	<0.20
Escherichia Coliform ²	MPN/100 mL	430	2400	23	92	1500	230	3800	2400
Fecal Coliform ²	MPN/100 mL	430	2400	23	150	1500	230	3800	2400

Weather Conditions during monitoring Winds WSW at 10 km/hr with 5% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 23.8°C

Notes: 1) LIMS Reference No: 43528
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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