

**City of Winnipeg
Water and Waste Department**

2014 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	October 1, 2014		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	13.5	13.5	12.3	13.3	12.9	14.3	14.0	12.9
Dissolved Oxygen	mg/L	8.2	7.8	9.2	7.3	6.6	8.7	4.9	7.8
Oxygen Saturation	%	79	75	86	69	62	85	47	74
Biochemical Oxygen Demand	mg/L	<3	<3	<3	nr ³	nr ³	<3	nr ³	<3
pH	units	8.25	8.08	8.03	8.02	7.90	8.30	7.89	8.06
Total Solids	mg/L	336	406	1130	1020	1010	726	788	654
Total Suspended Solids	mg/L	15	39	4	8	13	50	132	16
Turbidity	n.t.u.	19.9	35.6	6.2	8.4	13.9	38.6	81.5	10.3
Total Organic Carbon	mg/L	26	26	9	9	20	27	43	13
Chlorophyll a	ug/L	<1	3	4	7	8	23	131	6
Ammonia Nitrogen	mg/L N	<0.003	0.003	0.012	0.067	<0.003	0.005	0.075	<0.003
Nitrate Nitrogen	mg/L N	0.005	0.037	0.006	0.588	0.676	<0.003	0.036	0.105
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	2.7	<0.5
Total Nitrogen	mg/L N	0.3	0.3	0.3	0.8	0.9	0.7	2.7	0.4
Soluble Phosphorus	mg/L P	0.15	0.12	0.07	0.07	0.08	0.44	0.20	0.08
Total Phosphorus	mg/L P	0.20	0.30	0.30	<0.20	0.30	0.60	0.50	0.30
Escherichia Coliform ²	MPN/100 mL	75	430	75	430	43	230	430	430
Fecal Coliform ²	MPN/100 mL	75	430	150	2300	230	230	930	430

Weather Conditions during monitoring Winds NW at 20 km/hr with 50% cloud cover and 0.2 mm of precipitation. Average air temperature during survey at 14°C

- Notes: 1) LIMS Reference No: 40617
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit

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