

**City of Winnipeg  
Water and Waste Department**

**2014 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	July 9, 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	19.6	20.8	20.3	20.2	18.9	21.3	18.6	17.3
Dissolved Oxygen	mg/L	7.7	3.7	6.0	7.4	6.1	6.0	3.6	5.4
Oxygen Saturation	%	84	42	67	81	66	68	38	56
Biochemical Oxygen Demand	mg/L	<3	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	7.92	7.46	7.45	7.56	7.59	7.42	7.45	7.44
Total Solids	mg/L	556	424	520	492	562	626	670	558
Total Suspended Solids	mg/L	64	<3	15	37	<3	11	3	<3
Turbidity	n.t.u.	56.0	9.6	38.9	52.2	2.8	32.4	3.4	1.5
Total Organic Carbon	mg/L	23	22	25	23	22	20	20	22
Chlorophyll a	ug/L	3	2	2	4	2	4	<1	<1
Ammonia Nitrogen	mg/L N	0.029	0.081	0.046	0.638	0.014	0.079	0.047	0.223
Nitrate Nitrogen	mg/L N	0.055	0.238	0.083	0.127	0.035	0.351	0.120	0.012
Total Kjeldahl Nitrogen	mg/L N	0.6	0.7	1.1	0.8	0.9	0.8	0.7	0.7
Total Nitrogen	mg/L N	0.7	0.9	1.2	0.9	0.9	1.2	0.8	0.7
Soluble Phosphorus	mg/L P	0.18	0.32	0.70	0.67	0.55	0.69	0.58	0.40
Total Phosphorus	mg/L P	0.40	0.50	1.00	0.90	0.70	0.90	nr <sup>4</sup>	0.60
Escherichia Coliform <sup>2</sup>	MPN/100 mL	93	23	230	230	43	43	43	430
Fecal Coliform <sup>2</sup>	MPN/100 mL	150	43	230	430	150	43	43	2100

Weather Conditions during monitoring Winds NNE at 15 km/hr with 25% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 20°C

- Notes:
- 1) LIMS Reference No: 39744
  - 2) Analysed by contract laboratory.
  - 3) No result because the initial DO and/or temperature were outside the BOD test limit.
  - 4) No result due to technician error

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