

**City of Winnipeg  
Water and Waste Department**

**2014 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	May 14, 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	8.6	10.4	8.2	8.9	7.9	10.5	8.6	6.9
Dissolved Oxygen	mg/L	10.6	9.2	10.3	10.5	10.6	10.9	12.1	10.9
Oxygen Saturation	%	91	82	87	91	89	97	103	90
Biochemical Oxygen Demand	mg/L	<3	3	<3	<3	<3	4	11	<3
pH	units	8.13	7.90	7.78	7.97	7.86	8.01	8.86	7.92
Total Solids	mg/L	378	438	474	498	584	384	854	466
Total Suspended Solids	mg/L	10	32	17	15	5	12	17	<3
Turbidity	n.t.u.	27.0	37.4	30.0	33.2	8.3	12.3	11.4	2.7
Total Organic Carbon	mg/L	17	19	20	20	17	17	22	15
Chlorophyll a	ug/L	<1	4	1	1	<1	11	16	<1
Ammonia Nitrogen	mg/L N	<0.003	0.010	0.010	0.009	0.004	0.012	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.006	0.053	0.042	0.105	0.008	0.319	<0.003	<0.003
Total Kjeldahl Nitrogen	mg/L N	0.8	1.5	1.5	1.5	0.9	1.0	1.8	0.9
Total Nitrogen	mg/L N	0.8	1.6	1.5	1.6	0.9	1.3	1.8	0.9
Soluble Phosphorus	mg/L P	0.07	0.09	0.31	0.29	0.19	0.30	0.09	0.02
Total Phosphorus	mg/L P	0.30	0.30	0.50	0.40	0.40	0.70	0.30	<0.20
Escherichia Coliform <sup>2</sup>	MPN/100 mL	43	93	9	43	43	9	15	23
Fecal Coliform <sup>2</sup>	MPN/100 mL	43	93	23	430	93	9	43	23

Weather Conditions during monitoring Winds WNW at 28 km/hr with 100% cloud cover and 0.5 mm of precipitation. Average air temperature during survey at 3.5°C

Notes: 1) LIMS Reference No: 39167  
2) Analysed by contract laboratory.

Report Compiled By: H.Demchenko  
Compliance Reporting Technician

Approved in LIMS By: C.Diduck  
Analytical Services Branch Head

Date Compiled: 17-Jan-19

File No: 040-14-09-03-00