

**City of Winnipeg  
Water and Waste Department**

**2017 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> : August 17, 2017		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	19.5	21.0	16.6	20.4	19.3	22.6	18.5	18.4
Dissolved Oxygen	mg/L	6.9	6.0	4.7	7.4	2.8	9.6	3.1	4.5
Oxygen Saturation	%	76	68	49	81	31	113	33	47
Biochemical Oxygen Demand	mg/L	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	7	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	7.74	7.53	7.27	7.89	7.24	8.22	7.58	7.29
Total Solids	mg/L	448	498	1520	1320	966	1010	736	546
Total Suspended Solids	mg/L	56	101	4	3	16	37	51	6
Turbidity	n.t.u.	61.5	72.9	2.8	2.6	13.7	33.7	55.2	6.4
Total Organic Carbon	mg/L	15	14	11	11	17	17	17	13
Chlorophyll a	ug/L	31	30	4	12	4	63	150	7
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	0.046	0.028	0.044	0.426	0.020
Nitrate Nitrogen	mg/L N	0.020	<0.003	<0.003	0.040	0.020	<0.003	0.160	0.006
Total Nitrogen	mg/L N	1.0	1.0	0.8	0.8	1.3	1.9	2.8	1.0
Soluble Phosphorus	mg/L P	0.10	0.12	0.06	0.14	0.32	0.20	0.32	0.21
Total Phosphorus	mg/L P	0.16	0.36	0.09	0.20	0.44	0.35	0.52	0.23
Escherichia Coliform <sup>2</sup>	MPN/100 mL	205	148	137	34	308	3	>2420	411
Fecal Coliform <sup>2</sup>	MPN/100 mL	124	186	115	41	276	14	2420	172

Weather Conditions during monitoring Winds South at 2 km/hr with 20% cloud cover and 3.5 mm of precipitation. Average air temperature during survey at 21 °C

- Notes: 1) LIMS Reference No: 50477  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO and/or temperature were below the BOD test limits

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