

**City of Winnipeg  
Water and Waste Department**

**2018 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> : May 3, 2018		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	10.7	11.0	9.9	11.4	9.5	10.7	10.0	9.3
Dissolved Oxygen	mg/L	10.2	10.5	8.4	11.7	10.9	10.7	14.1	5.1
Oxygen Saturation	%	92	96	74	107	96	96	125	45
Biochemical Oxygen Demand	mg/L	4	<3	3	4	<3	4	nr <sup>3</sup>	6
pH	units	8.30	8.24	7.67	8.29	8.22	7.83	8.65	7.77
Total Solids	mg/L	304	274	682	630	722	218	836	628
Total Suspended Solids	mg/L	42	14	16	14	7	10	8	4
Turbidity	n.t.u.	39.1	15.5	14.5	14.6	7.3	15.6	5.0	3.2
Total Organic Carbon	mg/L	12	11	14	15	14	11	13	32
Chlorophyll a	ug/L	9	25	13	28	18	25	47	16
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	0.015	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.040	0.030	0.030	0.020	0.030	0.476	0.098	0.010
Total Nitrogen	mg/L N	0.4	0.6	1.0	1.0	0.8	1.1	1.0	0.7
Soluble Phosphorus	mg/L P	<0.01	0.02	0.20	0.22	0.07	0.19	0.07	0.04
Total Phosphorus	mg/L P	0.08	0.10	0.31	0.36	0.15	0.27	0.19	0.21
Escherichia Coliform <sup>2</sup>	MPN/100 mL	30	20	<10	40	20	<10	20	10
Fecal Coliform <sup>2</sup>	MPN/100 mL	40	<10	<10	30	40	10	10	20

Weather Conditions during monitoring Winds West at 3 km/hr with 5% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 20.9°C

- Notes: 1) LIMS Reference No: 52652  
 2) Analysed by contract laboratory.  
 3) BOD nr due to initial DO below the BOD test limit of 7.5

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