

**City of Winnipeg  
Water and Waste Department**

**2018 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date: <b>September 6, 2018</b>		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)
Sample Number		<b>137791</b>	<b>137792</b>	<b>137789</b>	<b>137790</b>	<b>137788</b>	<b>137787</b>	<b>137786</b>	<b>137793</b>
Temperature	° C	15.1	16.4	13.8	15.2	14.8	17.5	13.4	12.6
Dissolved Oxygen	mg/L	6.80	7.86	7.81	4.86	1.90	9.53	5.94	7.27
Oxygen Saturation	%	64.2	80.7	75.3	48.3	18.9	99.5	56.1	68.3
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	5	6	<4
pH	units	8.02	8.29	7.82	7.84	7.17	8.81	8.80	7.62
Total Solids	mg/L	376	482	1570	902	388	930	680	426
Total Suspended Solids	mg/L	21	26	3	3	3	32	32	<3
Turbidity	n.t.u.	32.3	29.4	3.40	3.31	3.37	30.9	35.2	3.36
Total Organic Carbon	mg/L	35.3	27.1	40.5	22.5	19.7	36.4	33.8	25.9
Chlorophyll a	ug/L	6.4	17.1	1.3	5.3	6.3	45.4	45.4	22.5
Ammonia Nitrogen	mg/L N	0.062	0.033	0.096	0.080	0.028	0.022	0.034	0.112
Nitrate Nitrogen	mg/L N	0.025	0.005	0.064	0.015	<0.003	0.003	<0.003	0.009
Total Nitrogen	mg/L N	0.7	0.7	0.4	0.6	0.5	1.3	2.5	0.6
Soluble Phosphorus	mg/L P	0.047	0.047	nr <sup>1</sup>	0.028	<0.013	0.294	0.027	0.038
Total Phosphorus	mg/L P	0.1120	0.1461	0.0570	0.1334	1.1181	0.4798	0.2518	0.1383
Escherichia Coliform	MPN/100 mL	10	110	130	320	30	10	2050	60
Fecal Coliform	MPN/100 mL	30	200	100	610	30	10	2360	30

Weather Conditions during monitoring Winds SE at 2.4 km/hr with 10% cloud cover and 0 mm of precipitation. Average air temperature during survey at 23°C

Notes:

- 1) No result due to sample contamination.

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