

**City of Winnipeg  
Water and Waste Department**

**2018 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date:		Small Streams Sampling Locations							
Parameter	Unit	Small Streams Sampling Locations							
		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>146181</b>	<b>146182</b>	<b>145699</b>	<b>146180</b>	<b>145698</b>	<b>145697</b>	<b>145696</b>	<b>146183</b>
Temperature	° C	4.8	5.1	5.7	6.2	6.7	5.6	6.6	5.6
Dissolved Oxygen	mg/L	11.2	10.3	9.93	10.8	9.69	10.5	12.2	10.1
Oxygen Saturation	%	86.8	80.5	78.8	87.3	77.7	83.4	98.9	81.1
Biochemical Oxygen Demand	mg/L	<4	<4	<4	>7	<4	<4	>7	<4
pH	units	8.13	8.00	7.79	8.22	7.78	8.81	8.88	7.82
Total Solids	mg/L	342	722	1350	378	524	868	724	1060
Total Suspended Solids	mg/L	13	50	4	9	18	13	28	20
Turbidity	n.t.u.	19.9	59.4	3.82	19.2	23.0	12.9	17.0	11.2
Total Organic Carbon	mg/L	11.2	14.6	5.5	11.4	9.1	14.5	16.1	8.1
Chlorophyll a	ug/L	<1.0	8.0	1.1	79.6	4.3	9.1	81.7	1.6
Ammonia Nitrogen	mg/L N	<0.003	0.046	0.046	0.028	0.081	0.009	0.009	0.020
Nitrate Nitrogen	mg/L N	0.009	0.457	0.017	0.217	0.067	0.047	0.047	0.052
Total Nitrogen	mg/L N	0.7	1.6	0.4	1.4	0.6	1.2	1.6	0.4
Soluble Phosphorus	mg/L P	0.138	0.139	0.019	0.047	0.052	0.764	nr <sup>1</sup>	0.063
Total Phosphorus	mg/L P	0.1118	0.2019	0.0370	0.1430	0.0728	0.8343	0.2646	0.0540
Escherichia Coliform	MPN/100 mL	20	2760	60	2380	70	230	260	810
Fecal Coliform	MPN/100 mL	10	3080	40	3080	90	230	370	1200
Weather Conditions during monitoring		Winds W at 1.1 km/hr with 5% cloud cover and 6 mm of precipitation. Average air temperature during survey at 0°C							

Notes:

- 1) No result due to sample contamination.

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Analytical Services Branch Head

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