

**City of Winnipeg  
Water and Waste Department**

**2018 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date: <b>October 18, 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>149255</b>	<b>149256</b>	<b>149253</b>	<b>149254</b>	<b>149252</b>	<b>149251</b>	<b>149250</b>	<b>149257</b>
Temperature	° C	4.4	3.8	4.5	4.5	6.1	4.4	4.9	4.5
Dissolved Oxygen	mg/L	12.2	12.1	10.5	11.1	9.67	12.2	10.7	9.31
Oxygen Saturation	%	93.3	90.9	81.1	85.5	78.4	93.8	83.3	71.6
Biochemical Oxygen Demand <sup>1</sup>	mg/L	nr	nr	nr	nr	nr	nr	nr	nr
pH	units	8.37	4.06	7.72	8.21	7.94	8.52	7.06	7.82
Total Solids	mg/L	342	374	1380	1230	808	836	800	394
Total Suspended Solids	mg/L	13	28	5	13	8	6	28	<3
Turbidity	n.t.u.	18.5	30.3	4.12	9.76	9.95	6.50	18.3	31.9
Total Organic Carbon	mg/L	13.0	11.1	3.3	6.7	6.4	9.9	10.2	6.0
Chlorophyll a	ug/L	2.7	3.2	1.1	53.9	3.2	4.8	37.4	1.1
Ammonia Nitrogen	mg/L N	<0.003	0.036	0.035	<0.003	0.011	0.012	0.078	<0.003
Nitrate Nitrogen	mg/L N	<0.003	0.052	0.029	0.142	0.246	0.030	0.082	0.006
Total Nitrogen	mg/L N	0.8	0.7	0.4	0.9	0.8	1.0	1.3	0.4
Soluble Phosphorus	mg/L P	0.053	0.068	0.030	0.057	0.043	nr <sup>2</sup>	0.023	0.044
Total Phosphorus	mg/L P	0.0932	0.1032	0.0271	0.1125	0.0693	0.6489	0.1336	0.0442
Escherichia Coliform	MPN/100 mL	20	70	30	120	10	<10	250	40
Fecal Coliform	MPN/100 mL	30	110	10	80	50	<10	310	10
Weather Conditions during monitoring		Winds S at 7 km/hr with 0% cloud cover and 0 mm of precipitation. Average air temperature during survey at 11°C							

- Notes:
- 1) No result due to DI contamination.
  - 2) No result due to lab error.

Compiled By: H.Demchenko  
Compliance Reporting Technician

Approved By: C.Diduck  
Analytical Services Branch Head

Date Compiled: 6-Jun-19

File: N:\Environmental Standards\Analytical Services\WQ Data\Rivers & Small Streams\Streams