

## Big Stream Data (Updated 12/31/2017)

Location Code GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (degrees C)	pH	Dissolved Oxygen mg/L	Chloride mg/L	Soluble Reactive Phosphorus ug/L	Total Phosphorus (ug/L)	Nitrate- Nitrite Nitrogen (mg/L)	Kjeldahl Total Nitrogen (mg/L)	Specific Conduct (Ms/cm)	Coliform (Col/100 ml)	E.coli (Col/100 ml)	Turbidity (NTU)	Hardness Mg/L as CaCo3	Total Suspended Solids (ml/L)		
Guidance Values						6.5-8.5 (Classes A- C) 6.0-9.0 (Class D)		50		20	1		150-500	2400	235					
CSCS 42.4885 -77.0478	Crystal Sprgs @ Crystal Sprgs Rd.	Mary Rose	05/19/2014	BF	10.0	7.25	9.2	15.6	3.0	74.3	0.50	0.18	219.0	4,000	260					
			07/21/2014	BF	14.0	8.25	8.8	9.9	15.4*	17.4	0.14	0.45	346.0	12,000	220	6.0	182.0	3.0		
			09/08/2014	BF	13.5	8.25	8.2	11.3	18.9	16.1	0.09	0.15	366.0	11,000	320	4.3	207.0	<1.25		
			11/17/2014	BF	3.0	7.75	9.9	16.9	9.0	37.7	0.03	0.15	415.0	5,500	1,260	6.2	184.0	1.5		
			05/18/2015	BF	14.5	7.5	8.4	19.9	18.5	30.1	0.08	0.28	299.0	8,000	120	4.4	136.0	3.3		
			06/09/2015	SW		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
			07/13/2015	BF	15.0	7.75	8.2	24.4	43.7	41.8	0.30	0.40	332.0	27,000	520	4.6	159.0	1.8		
			08/17/2015	BF	15.0	7.75	7.6	16.2	23.3	17.0	0.11	---	351.0	9,000	500	6.2	182.0	2.8		
			09/30/2015	SW	14.5	7.25	7.4	20.2	89.8	154.0	1.29	1.09	237.0	100,000	20,000	38.0	95.5	33.0		
			07/06/2016	BF	15.5				8.0	18.9	0.12	0.19	369.0	16,500	760			2.5		
			08/22/2016	BF	15.5				14.8	50.5	0.09	0.31	360.0	26,500	740			34.5		
			10/21/2016	SW	11.0				74.3	114.0	0.79	0.87	399.0*	100,000	40,000			18.0		
			04/05/2017	BF	4.5				25.5	31.3	0.63	0.41	231.0	860	10			6.8		
			07/10/2017	BF	13.0				17.0	30.7	0.19	0.12	357.0	4,500	220			3.0		
			07/13/2017	SW	16.5				53.7	355.0	0.37	3.26	338.0	100,000	89,000			219.0		
09/26/2017	BF	14.5				25.7	20.2	0.07	0.13	360.0	17,000	540								
10/30/2017	SW	6.0				91.0	220.0	0.71	1.15	195.0		22,755	70.0		51.0					
CC14A 42.5277 -77.0021	Chubb Creek @ 14A	Mary Rose	05/19/2014	BF	10.0	7.5	10.0	26.7	26.9	22.4	1.16	0.24	279.0	10,500	320					
			07/21/2014	BF	19.0	8.25	9.6	40.4	11*	9.9	0.98	0.32	420.0	9,500	400	1.5	171.0	<2.5		
			09/08/2014	BF	15.5	8.25	9.2	40.0	16.2	12.4	0.73	0.23	412.0	7,000	840	1.6	172.0	2.0		
			11/17/2014	BF	2.0	7.75	11.1	43.0	10.5	8.0	0.59	0.17	459.0	1,680	<20	1.2	176.0	<1.25		
			05/18/2015	BF	15.5	8	9.0	34.8	12.0	17.3	1.25	0.30	369.0	9,500	300	3.4	140.0	2.3		
			06/09/2015	SW		---	---	---	---	---	---	---	---	---	---	---	---	---	---	
			07/13/2015	BF	16.5	8.25	---	47.9	20.5	24.3	1.61	0.81	421.0	11,500	360	1.5	150.0	0.6		
			08/17/2015	BF	20.0	7.75	7.4	51.9	11.9	13.8	1.04	---	452.0	6,000	420	2.0	181.0	0.6		
			09/30/2015	SW	14.5	7	7.7	27.0	95.0	210.0	1.39	1.25	237.0	100,000	27,500	100.0	77.5	54.0		
			07/06/2016	BF	18.0				5.3	9.3	0.09	0.15	468.0	19,000	1,840			5.5		
			08/22/2016	BF	16.0				12.5	10.2	0.06	0.16	441.0	23,000	2,140			0.6		
			10/21/2016	SW	11.0				59.6*	182.0	1.97	1.37	390.0	300,000	300,000			44.0		
			04/05/2017	BF	4.5				26.3	21.8	1.48	0.38	278.0	2,380	20			2.50		
			07/10/2017	BF	18.0				18.7	26.3	1.29	0.12	408.0	13,000	100			0.63		
			07/13/2017	SW	16.5				46.3	1484.0	1.23	6.34	145.0	100,000	46,000			1600.00		
09/26/2017	BF	15.5				15.8	16.3	0.49	0.30	396.0	11,500	650			0.63					
10/30/2017	SW	6.0				73.8	232.0	1.50	0.98	218.0		35,520	110.0		54.0					
42.5178 -76.9744	Upstream of Dundee WWTP	Mary Rose	07/13/2015	BF	20.5		9.2		15.2	16.4		0.46		6,000	580	1.99		1.8		
			08/17/2015	BF	19.0		8.2		14.5	13.0				17,000	980					
			09/30/2015	SW	15.5		---		99.8	211.0				100,000	35,500					
			07/06/2016	BF	21.5				11.7	11.5	1.23	0.35	644	8,000	1,420			1.8		
			08/22/2016	BF	17.0				6.6	11.3	1.17	0.16	688	19,000	1,880			0.6		
			10/21/2016	SW	11.0				50.8	139.0	2.46	1.01	423	100,000	27,500			46.0		
			04/05/2017	BF	7.5				17.0	19.2	1.51	0.35	275	1,040	60			1.00		
			07/10/2017	BF	17.0				29.6	39.6	1.04	0.40	490	6,666	440			1.75		
			07/13/2017	SW	20.0				165.0	1045.0	1.18	3.26	181	100,000	50,500			668.00		
09/26/2017	BF	18.0				15.7	18.3	0.20	0.13	452	13,500	120			1.25					
BSDG 42.5091	Big Stream @ Dundee-	MaryAnn Marks	05/19/2014	BF	9.5	7.5	9.7	27.9	46.4	39.6	1.02	0.19	305	7,500	280					
			07/21/2014	BF	19.5	8.25	9.5	66.3	105*	130.0	1.43	0.53	603	8,000	260	28.6	240	37.5		

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-76.9628	Glenora Rd.		09/08/2014	BF	15.5	8.5	9.0	72.3	214.8	235.0	2.31	0.32	625	21,000	540	8.42	253	2.0
			11/17/2014	BF	3.5	8	11.0	75.0	186.0	208.0	2.21	0.23	675	5,000	1,880	2.16	242	<1.25
			05/18/2015	BF	16.0	8	9.0	35.9	61.7	79.3	0.99	0.64	408	5,000	1,180	5.57	147	2.5
			06/09/2015	SW	16.0	8	7.7	51.6	56.9	122.0	1.48	0.93	447	40,500	1,880	85.8	157	73.0
			07/13/2015	BF	17.0	8.25	8.2	58.0	45.2	50.7	1.34	0.45	468	1,800	300	5.4	176	12.8
			08/17/2015	BF	20.0	8.25	8.0	79.1	250.0	279.0	1.92	0.56	627	9,000	760	21.5	238	19.8
			09/30/2015	SW	16.0	7.25	7.4	28.2	98.7	240.0	1.66	1.71	274	100,000	34,000	140	96.3	105.0
			07/06/2016	BF					655.0	615.0	4.08	0.49	771	10,000	1,840			5.5
			08/22/2016	BF	19.5				438.0	422.0	3.40	0.55	754	11,000	5,780			32.00
			10/21/2016	SW	11.0				94.3*	264.0	1.71	1.37	451	100,000	14,000			142.00
			04/05/2017	BF	7.5				37.8	34.5	1.24	0.46	296	720	120			5.50
			07/10/2017	BF	17.0				91.2	105.0	1.43	0.42	544	15,500	920			9.00
			07/13/2017	SW	20.0				124.0	461.0	1.52	6.83	197	100,000	49,000			1160.00
	09/26/2017	BF	18.0				202.0	202.0	1.13	0.50	571	14,500	420			2.25		
	10/30/2017	SW	8.0				111.0	264.0	1.21	1.09	222		23,888	130		94.00		
BSGP	Big Stream	MaryAnn Marks	05/19/2014	BF	9.5	7.75	10.0	27.4	40.7	39.5	1.20	0.17	299	9,500	360			
42.49	Mouth@		07/21/2014	BF	20.0	8.5	9.5	63.4	48.5*	48.5	1.05	0.41	567	13,000	40	2.3	250	3.0
-76.9143	Glenora Pt.		09/08/2014	BF	15.5	8.5	9.8	67.7	104.4	97.4	1.57	0.28	585	2,000	20	1.87	246	0.6
			11/17/2014	BF	2.0	8	12.1	73.4	87.6	105.0	1.65	0.20	647	2,580	40	1.51	241	0.6
			05/18/2015	BF	16.0	8.25	9.0	46.0	34.7	51.3	0.78	0.55	396	4,500	560	4.56	148	2.8
			06/09/2015	SW	16.5	8.25	8.4	42.0	62.5	212.0	1.43	1.24	389	35,500	3,850	56	145	47.0
			07/13/2015	BF	18.0	8.25	8.2	48.0	37.2	32.7	1.35	0.44	448	18,000	300	2.13	165	1.5
			08/17/2015	BF	20.0	8.25	7.8	73.7	85.6	78.5	1.23	0.41	580	3,500	80	1.49	226	0.6
			09/30/2015	SW	15.5	7.75	7.8	31.5	91.2	325.0	2.16	2.23	300	100,000	34,000	220	108	192.0
			07/06/2016	BF	21.5				17.0	28.0	1.04	0.44	615	100,000	60			0.63
			08/22/2016	BF	19.5				89.6	84.6	1.10	0.36	653	9,500	440			1.25
			10/21/2016	SW	12.0				77.4*	271.0	2.05	1.56	447	100,000	8,970			166.00
			04/05/2017	BF	8.0				32.8	33.3	1.34	0.43	287	2,700	120			5.75
			07/10/2017	BF	18.0				32.7	43.3	1.16	0.34	519	17,000	280			1.25
			07/13/2017	SW	20.0				69.0	1981.0	1.51	6.92	307	100,000	95,500			2320.00
			09/26/2017	BF	18.0				99.8	114.0	0.81	0.27	539	14,500	120			0.63
10/30/2017	SW	8.0				108.0	360.0	1.34	1.41	213		18,055	280		230.00			
	Dundee WWTP Discharge		10/31/2016	BF	9.0			1260.0	1410.0	8.89	1.76	1101 Fecal...	40000 20500	15,000				4.8
			07/10/2017	BF	16.5			1320.0	1315.0	9.00	0.86	983 Fecal Coliform	100,000 15,000	24,000				0.63
	Dundee WWTP Pond Outfall		10/31/2016	BF				1460.0	1540.0	8.60	3.00	1086 Fecal...	9170 1040	1,060				3.8
			04/05/2017	BF	9.0			1410.0	1500.0	2.96	7.14	1103 Fecal...	26000 6780	5,710				0.3
								Ammonia-Nitrogen (as N)		5.4 mg/L								
			07/13/2017	SW	18.5			2160.0	2695.0	0.26	3.32	852 Fecal Coliform	100,000 97,500	91,500				29.0
			09/26/2017	BF	16.5			920.0	1823.0	5.84	3.54	901	100,000	4,960				2.5
			10/30/2017	SW	9.0			1684.0	2130.0	0.4	3.31	804.00		22200	16.5			11.8

Sodium		mg/L		Chloride Equiv.
				mg/L
BSGP		07/06/2016	BF	Sodium 44.1
				68.0

\* Holding time for sample exceed certified procedure.

### Catharine Creek Data (Updated 12/31/2017)

Location Code GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (degrees C)	pH	Dissolved Oxygen mg/L	Chloride mg/L	Soluble Reactive Phosphorus ug/L	Total Phosphorus (ug/L)	Nitrate- Nitrite Nitrogen (mg/L)	Kjeldahl Total Nitrogen (mg/L)	Specific Conduct (Ms/cm)	Coliform (Col/100 ml)	E.coli (Col/100 ml)	Turbidity (NTU)	Hardness Mg/L as CaCo3	Total Suspended Solids (ml/L)
Guidance Values						6.5-8.5 (Classes A-C) 6.0-9.0 (Class D)		50.0		20.0	1		150-500	2400	235			
CCHF 42.2129 -76.8457	Catharine Creek @ Huck Finn Road	John Flowers	05/19/2014	BF	10.0	7.00	3.5	56.4	41.2	44.5	0.052	0.303	459.0	880	20			
			07/21/2014	BF	18.0	7.25	0.4	57.1	32.5*	42.0	0.02	0.336	545.0	1640	60	2.05	238.0	2.25
			09/08/2014	BF	15.5	7.50	1.0	62.6	25.4	45.8	0.021	0.276	571.0	11000	980	3.39	238.0	0.63
			11/17/2014	BF	-1.0	7.50	7.5	69.7	6.2	39.2	0.42	0.562	652.0	4000	220	14.96	265.0	9.25
			05/18/2015	BF	16.5	7.50	4.4	71.0	16.7	64.9	0.01	0.87	581.0	3500	160	5.61	231.0	3.25
			06/09/2015	SW	18.0	7.25	4.4	54.0	34.1	65.3	0.01	0.46	455.0	20000	220	4013	170.0	1.50
			07/13/2015	BF	21.0	7.00	1.0	75.1	42.2	46.8	0.01	0.36	582.0	7000	10	1.63	227.0	0.63
			08/17/2015	BF	15.5	7.25	0.6	83.0	31.6	58.8	0.01	0.42	594.0	4500	1600	4	224.0	3.75
			11/02/2015	BF	5.0	7.25	4.6	77.9		39.3			651.0	1760	120	6.3	248.0	2.50
CCMP 42.2736 -76.8387	Catharine Creek @ Millport	John Flowers	05/19/2014	BF	10.0	7.75	9.6	37.5	21.3	37.1	0.199	0.151	323.0	3000	100	-	-	-
			07/21/2014	BF	16.0	8.25	7.8	49.3	21.2*	22.0	0.28	0.332	532.0	6000	340	5.26	233.0	4.25
			09/08/2014	BF	14.5	8.25	9.6	54.7	26.4	14.8	0.196	0.212	564.0	7500	120	1.39	273.0	0.63
			11/17/2014	BF	2.0	8.00	11.2	59.0	14.4	15.8	0.4	0.193	609.0	5500	80	2.89	247.0	0.63
			05/18/2015	BF	15.5	8.25	8.6	56.1	8.6	20.2	0.23	0.01	534.0	13000	40	5.98	216.0	5.50
			06/09/2015	SW	16.5	7.75	8.2	39.2	54.4	148.0	0.88	0.93	359.0	100000	6920	96.3	122.0	95.00
			07/13/2015	BF	21.0	8.50	8.4	55.8	18.1	11.3	0.02	0.34	---	4500	60	1.79	195.0	0.63
			08/17/2015	BF	16.5	8.25	7.9	66.4	27.6	21.0	0.22	0.37	599.0	15500	40	2.67	249.0	2.50
			11/02/2015	BF	5.5	8.25	10.6	55.6	-	14.8	-	-	514.0	1800	60	2	200.0	0.63
			07/06/2016	BF	18.5				16.7	18.6	0.26	0.19	630.0	5500	400			0.63
			08/22/2016	SW	18.5				28.2	36.7	0.19	0.32	611.0	22500	440			9.75
			10/24/2016	BF	10.0				32.0	42.4	0.42	0.39	416.0	20500	1980			4.00
			05/01/2017	BF	15.5				27.3	21.1	0.33	0.14	447.0	80	4200			3.75
			07/10/2017	BF	18.0				13.0	21.8	0.25	0.12	606.0	9000	200			0.63
			09/26/2017	BF	19.5				19.4	18.0	0.12	0.19	624.0	14000	80			0.63
11/06/2017	BF	12.0				20.1	31.1	0.31	0.24	409	33360	80			2.5			
HGM 42.3362 -76.8368	Havana Glen Mouth	Tim Dunlap	05/19/2014	BF	10.0	8.00	10.4	23.4	15.2	33.5	0.512	0.294	324.0	1480	10	-	-	-
			07/21/2014	BF	15.0	8.25	9.6	26.7	23.1*	21.7	0.44	0.261	455.0	3500	100	1.22	217.0	2.00
			09/08/2014	BF	13.0	8.25	10.0	40.7	26.2	16.1	0.271	0.187	514.0	9000	140	0.47	242.0	0.47
			11/17/2014	BF	5.5	8.25	12.2	33.4	11.3	14.6	0.41	0.297	498.0	1880	10	1.89	222.0	0.63
			05/18/2015	BF	15.5	8.25	8.6	31.4	12.0	18.5	0.5	0.53	413.0	8000	10	2.28	205.0	5.50
			06/09/2015	SW	16.0	8.00	7.8	24.0	53.5	171.0	4.32	1.34	359.0	28000	2040	69.2	150.0	88.00
			07/13/2015	BF	16.5	8.25	9.2	32.4	20.1	16.0	0.82	0.4	443.0	7500	60	0.84	205.0	1.50
			08/17/2015	BF	16.5	8.25	8.8	34.3	---	---	0.69	0.22	493.0	7500	100	0.8	238.0	0.63
			11/02/2015	BF	4.5	8.25	11.6	33.2	-	18.3	-	-	497.0	480	10	0.65	230.0	0.63
			07/06/2016	BF					9.5	12.0	0.71	0.19	523.0	3000	280			0.63
			08/22/2016	SW	19.0				34.5	29.3	0.44	0.27	505.0	10240	60			1.75
			10/24/2016	BF	8.5				39.8	43.0	3.47	0.7	500.0	25500	580			1.25
			05/01/2017	BF	12.0				16.3	23.3	1.55	0.41	385.0	1640	10			0.63
			07/10/2017	BF	18.0				17.6	24.2	1.22	0.12	525.0	4500	260			0.63
			09/26/2017	BF	20.0				17.0	16.8	0.73	0.25	499.0	5000	60			0.63
			11/06/2017	BF	11.5				30.3	37.4	1.04	0.38	354	11111	140			3 1.75

### Catharine Creek Data (Updated 12/31/2017)

CCSL 42.3818 -76.8602	Catharine Creek Mouth @ Seneca Lake	Tim Dunlap	05/19/2014	BF	10.0	7.00	8.5	29.1	36.9	62.1	0.231	0.316	281.0	66000	1100	-	-	-	
			07/21/2014	BF	20.0	8.00	7.0	67.4	16.9*	35.9	0.19	0.521	524.0	1460	20	15.32	200.0	10.80	
			09/08/2014	BF	18.5	8.25	6.8	103.0	15.3	24.9	0.199	0.418	575.0	1100	80	8.7	161.0	1.75	
			11/17/2014	BF	1.5	8.00	10.9	108.4	11.0	21.5	0.34	0.337	674.0	-	-	1.84	192.0	0.63	
			05/18/2015	BF	15.5	7.75	-	46.5	6.5	42.6	0.13	0.72	349.0	5500	960	36.4	125.0	24.50	
			06/09/2015	SW	15.5	7.75	7.0	28.9	20.1	123.0	0.63	1.08	310.0	100000	5170	146	116.0	100.00	
			07/13/2015	BF	21.0	7.75	6.6	51.9	15.1	40.8	0.2	0.67	---	5000	480	15.1	149.0	12.00	
			08/17/2015	BF	16.5	8.25	7.6	96.7	5.9	37.9	0.18	0.66	570.0	17500	140	20.8	170.0	17.00	
			11/02/2015	BF	6.0	8.25	8.0	49.0	-	38.9	-	-	464.0	1260	120	10	171.0	3.50	
			07/06/2016	BF	20.0				4.1	26.3	0.18	0.76	651.0	5500	10			3.00	
			08/22/2016	SW	21.0				9.8	31.5	0.21	0.87	613.0	2280	60			4.00	
			10/24/2016	BF	11.0				15.3	38.5	1.15		590.0	20500	560			3.00	
			05/01/2017	BF	12.0				9.1	40.4	0.38	0.55	430.0	3770	160			17.30	
			07/10/2017	BF	20.0				2.8	19.9	0.27	0.27	587.0	440	10			3.50	
09/26/2017	BF	22.0				3.3	28.6	0.16	0.47	587.0	820	120			3.75				
11/06/2017	BF	10.0				23.8	40.1	0.44	0.64	366	13333	520			5.75				
	Upstream MF-WWTP	John Flowers	05/18/2015	BF	15.5				8.6					5000	180.0				
			06/09/2015	SW	17.0				7.6										
			07/13/2015	BF	16.5				5.4	7.6									
			08/17/2015	BF	16.5										17500	140.0			
			11/02/2015	BF	6.0					15.2					3000	60.0			
			07/06/2016	BF	19.0				10.6	14.9	0.01	0.19	622	10500	400.0				0.63
			08/22/2016	SW	18.0				13.5	19.9	0.18	0.16	598	6500	240.0				3.25
			10/24/2016	BF	8.0				26.6	52.0	0.7	0.54	457	21000	820.0				21.50
			05/01/2017	BF	13.0				10.4	12.5	0.38	0.27	469	4550	40.0				0.63
			07/10/2017	BF	18.5				8.5	12.1	0.15	0.12	602	4000	320.0				0.63
			09/26/2017	BF	20.0				8.7	10.4	0.02	0.13	607	12000	60.0				0.63
11/06/2017	BF	12.0				24.8	31.3	0.45	0.43	453	13333	180				2.25			
	Downstream MF-WWTP	John Flowers	05/18/2015	BF	16.5				29.3	61.4				31500	3480.0				
			06/09/2015	SW	16.0				31.8	105.0					100000	4230			
			07/13/2015	BF	20.0				30.4	52.3									
			08/17/2015	BF	18.0				35.6	79.0					19000	480			
			11/02/2015	BF	7.0					32.0					22000	740			
			07/06/2016	BF	22.0				44.8	98.2	0.05	1.12	552.0	18500	520				22.80
			08/22/2016	SW	20.0				59.2	87.7	0.2	0.82	501.0	9500	2000				8.75
			10/24/2016	BF	9.0				20.4	48.5	1.26	0.81	459.0	27500	1400				
			05/01/2017	BF	13.0				12.7	34.0	0.54	0.44	414.0	11400	700				25.80
			07/10/2017	BF	21.0				13.4	32.6	0.24	0.55	538.0	25000	14000				23.50
			09/26/2017	BF	23.0				27.2	79.3	0.38	0.87	536.0	7000	220				14.50
11/06/2017	BF					32.4	46.9	0.62	0.58	405.0	23333	40				4.75			
					Sodium		mg/L		Chloride										
CCSL			07/06/2016	BF	Sodium	64.1												98.8	

Kashong Creek Data (Updated 12/31/2017)

Location Code GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (degrees C)	pH	Dissolved Oxygen mg/L	Chloride mg/L	Soluble Reactive Phosphorus ug/L	Total Phosphorus (ug/L)	Nitrate-Nitrite Nitrogen (mg/L)	Kjeldahl Total Nitrogen (mg/L)	Specific Conduct (Ms/cm)	Coliform (Col/100 ml)	E.coli (Col/100 ml)	Turbidity (NTU)	Hardness Mg/L as CaCo3	Total Suspended Solids (ml/L)		
Guidance Values						6.5-8.5 (Classes A-C) 6.0-9.0 (Class D)		50.0		20.0	1		150-500	2400	235					
Bridge at Thistle Street			10/23/2016	BF					76.4	89.5	6.42	0.95	891.0	24,500	5660			5.50		
			04/05/2017	BF						24.8	17.7	3.02	0.39	566.0	1,400	10			0.25	
			07/10/2017	BF	19.00						23.0	26.3	0.05	0.41	643.0	12,000	460			0.63
			07/13/2017	SW	20.00						117.0	234.0	1.78	1.5	573.0	100,000	23000			63.00
			11/06/2017	BF	11.50						63.0	111.0	2.62	0.86	647.0	35,555	640			6.00
			11/28/2017	BF	1.50						17.3	11.8	1.53	0.45	821.0	480	20			0.63
Bridge at Bellona			10/23/2016	BF					77.5	95.2	8.29	0.67	862.0	40,000	4,000			3.00		
			04/05/2017	BF	6.50					23.4	25.7	3.67	0.3	607.0	2,040	80			1.50	
			07/10/2017	BF	18.50						19.0	27.3	0.56	0.36	688.0	14,000	240			0.63
			07/13/2017	SW	20.50						143.0	510.0	2.86	2.45	541.0	100,000	55,000			210.00
			11/06/2017	BF	11.50						71.1	135.0	3.22	0.85	656.0	25,555	1,120			9.25
			11/28/2017	BF	1.00						11.6	11.5	1.97		818.0	600	20			0.63
Bridge at Rte 14			10/23/2016	BF					80.9	88.8	8.78	0.84	832.0	38,000	3,880			2.75		
			04/05/2017	BF	7.00					28.4	30.1	3.61	0.34	601.0	2,740	60			1.25	
			07/10/2017	BF	17.00						20.9	31.7	0.95	0.47	642.0	1,700	20			0.63
			07/13/2017	SW	20.00						54.2	171	1.86	1.44	484.0	100,000	15,000			47.00
			11/06/2017	BF	12.00						70.8	144	3.13	1.04	641.0	82,221	980			7.00
			11/28/2017	BF	3.0						15.9	11.1	1.89	0.37	818.0	1180	40			0.63

### Keuka Outlet Data (Updated 12/31/2017)

Location Code	GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (degrees C)	pH	Dissolved Oxygen mg/L	Chloride mg/L	Soluble Reactive Phosphorus ug/L	Total Phosphorus (ug/L)	Nitrate-Nitrite Nitrogen (mg/L)	Kjeldahl Total Nitrogen (mg/L)	Specific Conduct (Ms/cm)	Coliform (Col/100 ml)	E.coli (Col/100 ml)	Turbidity (NTU)	Hardness Mg/L as CaCo3	Total Suspended Solids (ml/L)
Guidance Values							6.5-8.5 (Classes A-C) 6.0-9.0 (Class D)		50.0		20.0	1.00		150-500	2,400	235			
KOKL		Penn Yan Boat Launch	Frank DiOrio	07/13/2015	BF	23.5	8.00	7.8	35.2	15.1	15.8	0.08	0.50	315.0	4,000	100	1.71	117.0	0.63
42.6574				08/17/2015	BF	25.2	8.25	6.8	37.5	17.2	21.8	0.08	0.67	305.0	9,000	60	3.89	110.0	0.63
-77.0589				09/30/2015	SW	21.5	7.25	5.1	31.7	23.2	41.7	0.07	1.00	287.0	20,000	4,620	80.00	141.0	53.00
				07/06/2016	BF	28.5				11.1	28.6	0.01	0.58	323.0	2,580	10			1.30
				08/22/2016	BF	23.5				12.9	36.3	0.005	0.35	333.0	12,500	40			2.25
				10/23/2016	BF	9.5				13.3	31.5	3.960	0.54	479.0	4,450	280			3.00
				05/01/2017	BF	10.7				4.2	7.6	0.200	0.27	342.0	1,320	20			1.25
				07/10/2017	BF	23.5				9.0	18.9	0.02	0.12	315.0	10,500	40			0.63
				07/13/2017	SW	22.0				30.6	180.0	0.93	1.16	349.0	100,000	18,000			40.00
				09/26/2017	BF	23.5				7.0	22.3	0.005	0.58	290.0	7,500	80			2.25
				11/06/2017	BF	12.0				17.0	27.6	0.12	0.40	343.0	1,260	100			0.63
KOBM		Birkett Mills	Frank DiOrio	07/06/2016	BF	26.5				41.6	57.0	0.44	1.86	899.0	15,000	1,800			7.50
42.660				08/22/2016	BF	19.0				59.8	71.5	0.35	1.55	812.0	22,500	1,380			2.00
-77.052				10/23/2016	BF	11.0				76.8	79.3	5.51	0.77	873.0	20,000	5,310			7.75
				05/01/2017	BF	12.4				15.9	15.7	3.55	0.23	716.0	14,000	1,820			1.75
				07/10/2017	BF	17.0				18.1	27.9	1.35	0.12	761.0	15,500	880			6.00
				07/13/2017	SW	19.0				150.0	784.0	2.33	3.09	473.0	100,000	70,000			423.00
				09/26/2017	BF	18.5				38.9	42.9	0.65	0.26	809.0	24,500	2,880			1.25
				11/06/2017	BF	12.0				76.4	129.0	2.39	0.79	742.0	43,888	3,200			26.30
KOFM		Fox Mills Rd	Frank DiOrio	07/13/2015	BF	23.5	8.25	7.6	35.9	9.1	16.3	0.09	0.32	323.0	7,000	120	2.62	118.0	2.25
42.6596				08/17/2015	BF	24.8	8.25	7.4	38.6	20.0	32.9	0.05	0.30	331.0	5,500	160	4.59	130.0	12.50
-77.0371				09/30/2015	SW		8.00	7.7	33.0	175.0	299.0	2.16	1.68	384.0	100,000	40,000	80.00	141.0	53.00
				07/06/2016	BF	24.5				11.9	28.2	0.03	0.36	325.0	11,000	220			5.50
				08/22/2016	BF	22.5				27.4	39.0	0.07	0.36	355.0	15,000	260			2.75
				10/23/2016	BF	11.0				50.3	50.2	6.50	0.53	630.0	15,500	1,660			4.00
				05/01/2017	BF	11.1					8.6	0.26	0.24	341.0	1,840	10			3.50
				07/10/2017	BF	23.0				10.6	19.5	0.07	0.12	343.0	10,000	160			3.00
				07/13/2017	SW	22.5				43.9	174.0	1.97	1.41	391.0	100,000	14,000			83.00
				09/26/2017	BF	23.0				9.7	19.5	0.05	0.63	311.0	13,500	120			0.63
				11/06/2017	BF	13.0				8.3	17.6	0.27	0.33	360.0	5,555	360			3.25
		PY - WWTP		10/23/2016	BF	18.0				597.0	834.0	13.20	1.66	1322.0	115,000	66,500			9.00
										Ammonia-Nitrogen (as N)	0.75 mg/L			Fecal Coliform	150,500				
				05/01/2017	BF	14.8				396.0	641.0	14.30	1.07	1359.0	100,000	11,730			5.75
														Fecal Coliform	11,710				
				07/10/2017	BF	21.5				210.0	448.0	4.93	2.49	1158.0	100,000	14,500			9.25
														Fecal Coliform	20,500				
				09/26/2017	BF	23.5				362.0	1177.0	25.70	2.31	1076.00	100,000	5,650			26.50
				11/06/2017	BF	18.0				302.0	599.0	5.83	1.58	1071.00	100,000	14,444			11.00
KOT		KO	Larry	07/13/2015	BF	23.5	8.25	7.9	37.3	16.4	29.6	0.30	0.42	333.0	5,000	280	4.82	122.0	15.30

### Keuka Outlet Data (Updated 12/31/2017)

42.6669	Tributary near Ridge	Martin	08/17/2015	BF	23.2	8.25	--	42.6	32.5	40.8	0.72	0.52	366.0	12,500	420	1.86	132.0	1.25		
-76.9947			09/30/2015	SW	17.0	8.25	8.0	38.6	204.0	373.0	4.80	2.00	454.0	100,000	59,500	95.00	177.0	65.00		
			07/06/2016	BF	22.8				32.5	53.3	0.93	0.71	368.0	4,000	320				5.10	
			08/22/2016	BF	20.0				71.6	218.0	0.99	1.35	407.0	17,500	1,320				10.80	
			10/23/2016	BF	11.5				89.5	113.0	8.04	0.54	751.0	13,500	3,440				3.25	
			05/01/2017	BF	11.9				23.7	16.5	0.56	0.35	372.0	14,000	260				3.50	
			07/10/2017	BF	21.7				10.1	33.60	0.24	0.31	379.0	21,000	220				1.75	
			07/13/2017	SW	22.2				62.1	320.00	2.89	2.01	365.0	100,000	16,500				195.00	
			09/26/2017	BF	21.8				32.4	56.70	0.86	0.36	357.0	17,500	260				4.25	
			11/06/2017	BF	15.8				16.1	30.8	0.05	0.27	386.0	10,555	180				6.25	
KOSL			Charles St. Bridge, Dresden	Larry Martin	07/13/2015	BF	23.2	8.00	7.8	39.3	12.6	23.5	0.27	0.35	339.0	20,000	160	1.05	119.0	7.00
42.6805					08/17/2015	BF	22.7	8.25	7.4	47.1	30.1	41.3	1.04	14000.00	260.0	11,000	380	2.79	138.0	0.63
-76.9538					09/30/2015	SW	16.8	8.00	8.0	31.3	215.0	417.0	4.25	2.04	401.0	100,000	73,500	150.00	161.0	102.00
	07/06/2016	BF			22.2				30.6	48.7	1.32	0.75	415.0	13,500	160			2.50		
	08/22/2016	BF			20.8				77.5	133.0	0.83	1.97	453.0	11,000	1,580			5.00		
	10/23/2016	BF			10.0				76.1	93.0	10.10	0.64	736.0	8,570	2,600			3.50		
	05/01/2017	BF			12.5				4.0	17.6	0.55	0.36	370.0	4,030	120			8.25		
	07/10/2017	BF			20.7				13.7	33.6	0.30	0.39	417.0	25,000	140			2.00		
	07/13/2017	SW			21.7				138.0	1006.0	3.40	5.07	395.0	100,000	45,000			790.00		
	09/26/2017	BF			21.3				30.1	54.2	1.22	0.72	387.0	12,000	140			2.50		
	11/06/2017	BF	16.1				19.8	35.9	0.70	0.51	403.0	7,777	380			8.25				
Sodium					mg/L				Chloride Equiv. mg/L											
KOSL		Charles St. Bridge	07/06/2016	BF	Sodium	26.9			41.5											
Metals					mg/L --	Aluminum	Arsenic	Barium	Boron	Calcium	Chromium	Copper	Iron	Magnesium	Mercury	Manganese	Selenium			
KOT			07/06/2016			0.135	<0.0500	0.0209	<0.05	32.1	<0.0250	<0.0100	0.169	10.8	<0.0001	0	<0.0500			
KOSL			07/06/2016			0.111	<0.0500	0.0242	<0.05	35.8	<0.0250	<0.0100	0.124	11.2	<0.0001	0	<0.0500			

### Reeder Creek (Updated 12/31/2017)

Location Code GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (degrees C)	pH	Dissolved Oxygen mg/L	Chloride mg/L	Soluble Reactive Phosphorus ug/L	Total Phosphorus (ug/L)	Nitrate- Nitrite Nitrogen (mg/L)	Kjeldahl Total Nitrogen (mg/L)	Specific Conduct (Ms/cm)	Coliform (Col/100 ml)	E.coli (Col/100 ml)	Turbidity (NTU)	Hardness Mg/L as CaCo3	Total Suspended Solids (ml/L)
Guidance Values						6.5-8.5 (Classes A- C) 6.0-9.0 (Class D)		50		20	1		150-500	2400	235			
RCNP 42.7867 -76.8868	Reeder Cr. @ North Patrol Rd.	Robert Crawford	05/19/2014	BF		7.75	9.7	16.5	276	264	0.159	0.2	525.0	3500	280			
			07/21/2014	BF		8.25	7.2	128	1110*	1210	0.14	0.774	880.0	8000	820	21	342	37
			08/04/2014	SW		8	7.1	15.4	458	530	0.258	0.737	349.0	25000	11000	10.74	155	7.25
			09/08/2014	BF		8.25	8.4	64.5	1084	1040	0.043	0.474	719.0	12000	300	3.3	292	<1.25
			11/17/2014	BF		8	11	80.3	374	401	2.78	0.334	801.0	1760	340	3.91	280	2.5
			05/18/2015	BF		8.25	7.4	50.1	514	565	0.42	0.6	629.0	19500	300	8.18	305	16.8
			06/09/2015	SW	15.5	7.75	7.4	12.6	205	386	5.27	2.33	307.0	100000	6000	199	128	134
			07/13/2015	BF	18.0	8.25	6.9	84.3	681	696	0.44	0.62	788.0	7000	480	4.61	290	6.75
			08/17/2015	BF	21.0	8.25	6.6	152	1220	1390	0.19	0.8	917.0	11000	440	24	274	50.8
			09/30/2015	SW	14.5	7.75	7.7	22.5	479	476	0.68	0.76	291.0	100000	44000	14	116	10
			07/06/2016	BF	21.0				1610	1590	2.64	1.12	1187.0	4500	560			3.8
			08/22/2016	BF	18.5				2700	2620	0.1	0.84	991.0	18500	1340			8.5
			10/23/2016	BF	10.0				251	231	0.32	0.37	513.0	21000	620			1.75
			05/01/2017	BF	14.0				236	289	0.18	0.31	658.0	23000	140			2
07/10/2017	BF	18.5				635	700	0.03	0.44	816.0	10500	180			1.5			
09/26/2017	BF	20.0				1580	1500	0.02	0.56	957.0	14500	100			1.5			
11/06/2017	BF	11.0				134	133	0.16	0.38	390	4444	520			3.8			
RCAR 42.7882 -76.8867	Reeder Cr. @ Access Rd.	Robert Crawford	05/19/2014	BF		7.75	9.8	25.6	246	244	0.256	0.29	539	3000	280			
			07/21/2014	BF		8.25	7	140	1100*	1300	1.97	1.008	982	7000	680	7.31	308	7
			08/04/2014	SW		8	7	17.4	403	474	0.221	0.773	343	27500	14500	10.07	147	2.8
			09/08/2014	BF		8.25	8.2	21.2	1004	958	0.653	0.623	760	7000	580	2.91	308	1.25
			11/17/2014	BF		8	10.9	85	405	449	3.16	0.377	833	8000	220	4.86	285	2.75
			05/18/2015	BF		8	7.6	41.2	462	502	0.4	0.47	645	14500	320	6.21	292	4.5
			06/09/2015	SW	16.5	8	6.8	5.2	107	152	0.09	0.88	249	100000	5550	25.1	127	21.5
			07/13/2015	BF	18.0	8.25	7.2	98.3	675	717	0.88	0.89	833	20500	440	18.3	304	26
			08/17/2015	BF	21.0	8.25	6.4	167	1220	1280	1.83	0.91	999	15000	280	13.3	291	14.3
			09/30/2015	SW	14.5		7.5	21.2	377	426	0.6	0.7	291	100000	29500	13.4	113	8.5
			07/06/2016	BF	20.5				1510	1440	0.3	1.01	1052	3500	800			4.25
			08/22/2016	BF	19.0				2550	2440	2.55	1.11	1071	18500	1160			7.5
			10/23/2016	BF	10.0				303	280	0.59	0.49	558	19000	700			2.5
			05/01/2017	BF	13.5				252	276	0.35	0.48	659	10500	20			0.63
07/10/2017	BF	18.5				650	740	0.59	0.56	848	11500	260			0.63			
09/26/2017	BF	20.0				387	380	0.1	0.83	234	100000	39000			84			
11/06/2017	BF	12.0				720	1469	0.15	2.43	1005	17000	220			1.25			
RC96A 42.7895 -76.8983	Reeder Cr. @ 96A	Addie Mason	05/19/2014	BF		7.75	9.6	26.7	205	203	0.467	0.32	551	2500	340			
			07/21/2014	BF		8.25	7.9	111	676*	652	1.68	0.632	908	15000	3500	3.85	336	3.75
			08/04/2014	SW		8	7.6	18.5	345	414	0.391	0.662	365	33500	10500	10.81	173	7.5
			09/08/2014	BF		8.25	8.5	69.1	807	793	0.781	0.511	727	7500	400	2.89	338	<1.25



