

Big Stream Data 2018

Location Code/GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (°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)	Total 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		
04/23/2018	BF	3.0				23.8	23.3	0.36	0.18	240.0	720	60				2.8				
06/04/2018	SW	10.0				43.6	50.4	0.08	0.29	344.0	926	500				23.5				
07/18/2018	BF	15.0				16.8	34.3	0.142	0.13	368.0		540				6.5				
08/14/2018	SW	16.5				92.3	237.0	0.38	1.13	222.0		11,800			132.0					
10/22/2018	BF	4.5				28.8	46.3	0.10	0.15	343.0		50				2.0				
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		54.00		
04/23/2018	BF	3.5				19.8	18.5	1.03	0.24	313.0	130	10				1.25				
06/04/2018	SW	13.0				38.8	74.2	3.04	1.74	444.0	20,000	3,780				15.3				
07/18/2018	BF	18.5				13.1	27.3	0.29	0.12	447.0		520				1.0				
08/14/2018	SW	16.5				86.9	298.0	0.54	1.80	254.0		17,300				180.0				
10/22/2018	BF	4.5				15.9	20.2	0.87	0.15	394.0		200				<0.63				
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		

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			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
			04/23/2018	BF	5.0				7.9	1.4	0.65	0.22	298	1,500	60			1.25
			06/04/2018	SW	15.5				38.5	74.0	1.44	1.24	438	27,200	16,900			20.6
			07/18/2018	BF	18.0				10.8	16.5	0.74	0.13	504		540			2.0
			08/14/2018	SW	20.0				132.0	700.0	1.08	3.05	278		20,000			589.0
			10/22/2018	BF	8.5				16.2	29.0	0.66	0.15	386		200			<0.63
			10/31/2016	BF	9.0				1260.0	1410.0	8.89	1.76	1101 Fecal...	20500	15,000			4.8
			07/10/2017	BF	16.5				1320.0	1315.0	9.00	0.86	983	100,000	24,000			0.63
													Fecal Coliform	15,000				
			07/18/2018	BF	18.0				2193.0	2973.0	5.35	1.28	1020		>70000			6.70
			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	100,000	91,500			29.0
													Fecal Coliform	97,500				
			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	0.43	3.31	804		22,200	16.5		11.8
			04/23/2018	BF	8.5				780.0	1011.0	0.51	6.11	972	43,300	8,330			8.5
			06/04/2018	SW	16.5				957.0	1008.0	4.9	2.61	1037.00	47,700	368			5.25
			07/18/2018	BF														
			08/14/2018	SW	20.0				1190.0	1496.0	0.43	2.3	816	32700 (fc)	44500			16.8
			10/22/2018	BF	7				1202	1251	4.72	2.11	876		6050			4
BSDG	42.5091 -76.9628	Big Stream @ Dundee- Glenora Rd.	MaryAnn Marks	05/19/2014	BF	9.5	7.5	9.7	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
			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
			04/23/2018	BF	4.5				23.8	33.0	0.77	0.29	339	600	100			1.25
			06/04/2018	SW	15.0				86.0	121.0	1.44	1.30	446	58,800	5,135			31.00
			07/18/2018	BF	20.0				313.0	362.0	2.38	0.13	658		2,360			9.50
			08/14/2018	SW	20.0				119.0	531.0	0.95	2.56	219		20,000			364.00
			10/22/2018	BF	6.5				88.2	172.0	1.08	0.15	455		500			<0.63

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BSGP 42.49 -76.9143	Big Stream Mouth@ Glenora Pt.	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			
			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
			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*	2.05	1.56	447	100,000	8,970			166.00
			04/05/2017	BF	8.0					32.8	1.34	0.43	287	2,700	120			5.75
			07/10/2017	BF	18.0					32.7	1.16	0.34	519	17,000	280			1.25
			07/13/2017	SW	20.0					69.0	1.51	6.92	307	100,000	95,500			2320.00
			09/26/2017	BF	18.0					99.8	0.81	0.27	539	14,500	120			0.63
			10/30/2017	SW	8.0					108.0	1.34	1.41	213		18,055	280		230.00
			04/23/2018	BF	4.0					11.4	20.5	0.85	325	1,600	40			1.25
			06/04/2018	SW	15.0					67.0	1.00	1.47	408	31,635	3,570			55.80
			07/18/2018	BF	20.0					43.5	0.75	0.39	512		20			1.50
08/14/2018	SW	20.0					149.0	1.25	4.08	222		10,000			873.00			
10/22/2018	BF	5.5					25.7	25.9	0.69	442		50			<0.63			

Sodium	mg/L	Chloride Equiv. mg/L
BSGP	44.1	68.0

* Holding time for sample exceed certified procedure.

Catharine Creek Data 2018

Location Code/GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (°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	8.50			20.1	31.1	0.31	0.24	409.0	33360	80			2.50
			04/23/2018	BF	8.5				19.6	23.9	0.33	0.2	352.0	680	80			4.00
			06/04/2018	BF	16.5				20.5	33.0	0.26	0.25	600.0	26100	320			5.85
			07/18/2018	BF	18.0				23.2	31.3	0.25	0.12	627.0		620			3.00
			08/15/2018	SW	20.0				36.6	317.0	0.25	1.57	241.0		1880			388.00
10/22/2018	BF	9.0				21.6	20.8	0.39	0.256	509		100			<0.63			
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			4

Catharine Creek Data 2018

Location Code/GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (°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)	
			11/06/2017	BF	11.5	8.50			30.3	37.4	1.04	0.38	354.0	11111	140			1.75	
			04/23/2018	BF	5.5				15.9	18.0	1.09	not reported	328.0	560	10			1.25	
			06/04/2018	BF	16.0				15.4	28.2	1.3	0.3	556	1370	40			8.25	
			07/18/2018	BF	16.5				173.0	380.0	0.83	0.12	521.0		600			1.75	
			08/15/2018	SW	20.0				47.1	167.0	1.07	1.12	293.0		860			168.00	
			10/22/2018	BF	4.5				39.3	47.6	0.67	0.592	425		200			<0.63	
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	8.25				23.8	40.1	0.44	0.64	366.0	13333	520			5.75
			04/23/2018	BF	8.0					26.1	26.1	0.39	0.26	338.0	1380	140			7.25
			06/04/2018	BF	15.5					15.4	28.2	0.35	0.72	623	9435	120			8.25
07/18/2018	BF	22.0					28.2	44.9	0.194	0.48	606		N/A			6			
08/15/2018	SW	20.0					41.4	344	0.38	1.79	277		2420			408			
10/22/2018	BF	10.0					9.9	26.3	0.327	1.18	621		50			1.67			
	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	8.50				24.8	31.3	0.45	0.43	453	13333	180.0			2.25
			04/23/2018	BF	6.0					22.2	23.5	0.39	0.17	376	700	20.0			3.00
			06/04/2018	BF	16.0					20	30	0.24	0.23	597	25000	260			3.75
			07/18/2018	BF	19.5					16.9	22.8	0.02	0.12	599		80			0.25
08/15/2018	SW	20.0					29.3	354	0.32	1.63	274		1900			832			
10/22/2018	BF	5.5					13.3	30.7	0.318	0.526	517		50			<0.63			
	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			5

Catharine Creek Data 2018

Location Code/GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (°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)		
			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	Not reported	8.25			32.4	46.9	0.62	0.58	405.0	23333	40			4.75		
			04/23/2018	BF	8.0				19.7	54.5	0.51	0.84	337.0	9435	1540			11.80		
			06/04/2018	BF	16.5				19.6	78.8	0.21	0.90	586.0	33300	460			40.30		
			07/18/2018	BF	24.5				56.6	89.3	0.2	0.91	524.0		2320			19.30		
			08/15/2018	SW	Not reported				33.4	132.0	0.4	1.39	294.0		4620			134.00		
			10/22/2018	BF	5.5				15.7	46.4	0.33	0.47	445.0		400			6.00		
Sodium								mg/L		Chloride		Equiv.								
										mg/L										
CCSL			07/06/2016	BF	Sodium	64.1													98.8	

Kashong Creek Data 2018

Location Code/GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (°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					
42.7551 -77.0311	Bridge at Thistle Street	Ray DeRuyter	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
			04/23/2018	BF	6.50						10.5	20.1	2.1	0.36	605.0	3,935	40			1.25
			06/04/2018	BF	15.50						52.6	62.5	3.16	1.22	770.0	26,100	320			3.38
			10/22/2018	BF	7.00						20.4	40.8	1.67	0.515	813.0		100			<0.63
42.7578 -77.0151	Bridge at Bellona	Ray DeRuyter	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
			04/23/2018	BF	6.00						20.1	22.4	2.85	0.32	629.0	1,280	20			1.25
			06/04/2018	BF	15.50						52.6	57.9	3.89	0.56	826.0	29,400	3170			1.23
			10/22/2018	BF	6.50						39	32.3	2.07	0.42	830.0		200			<0.63
42.7651 -76.9765	Bridge at Rte 14	Ray DeRuyter	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	3.00						15.9	11.1	1.89	0.37	818.0	1,180	40			0.63
			04/23/2018	BF	5.00						21.2	23.3	2.9	0.28	634.0	800	20			1.25
			06/04/2018	BF	15.00						47	58.8	2.81	0.77	790.0	27,200	900			5.23
			10/22/2018	BF	9.00						39.9	46.7	1.72	0.616	783.0		100			<0.63

Reeder Creek Data 2018

Location Code/GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (°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	1.76	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	390.0	4444	520			3.75
06/04/2018	BF	15.5				763	792	0.1	0.9	905.0	9990	718			3.5			
07/18/2018	BF	18.5				948	1830	0.16	0.45	1011.0		1000			4			
08/14/2018	SW	20.0				1890	3920	0.33	3.43	641.0		20000			734			
10/22/2018	BF	5.0				806	878	1.35	0.527	943.0		50			<0.63			
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	0.291	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
			07/13/2017	SW	20.0				387	380	0.1	0.83	234	100000	39000			84
			09/26/2017	BF	20.0				720	1469	0.15	2.43	1005	17000	220			1.25
11/06/2017	BF	12.0				108	129	0.15	0.41	399	18333	600			3.5			
06/04/2018	BF	15.5				672	700	0.28	0.66	879	6100	720			2.25			
07/18/2018	BF	19.5				1174	1968	2.6	0.62	1031		800			3.25			
08/14/2018	SW																	
10/22/2018	BF	5.5				686	1310	0.092	0.484	862		50			<0.63			
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
			11/17/2014	BF		8.25	11.6	82.2	331	361	2.54	0.379	808	---	---	2.49	303	<1.25
			05/18/2015	BF		8.25	7.6	48.2	431	426	0.82	0.59	667	17200	220	4.64	311	3
			06/09/2015	SW	15.5	7.75	7.1	10.6	191	330	2.28	1.47	300	100000	4680	76	137	73
			07/13/2015	BF	---	8.25	7.4	84.3	493	488	2.03	0.65	815	9000	180	12.8	329	19
			08/17/2015	BF	22.0	8.25	7.2	139	772	696	1.35	0.6	932	16000	540	3.58	302	2.5
08/14/2018	SW	20.0					1440	3480	0.37	4.16	591		20000			700		

Reeder Creek Data 2018

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				
RCM 42.786 -76.928	Reeder Cr. @ Lake Rd. (Mouth)	Addie Mason	05/19/2014	BF		7.75	9.4	29.5	173	162	1.13	0.27	552	3500	200				
			07/21/2014	BF		8.25	6.8	95	334*	307	0.89	1.122	813	2000	120	9.95	327	3	
			08/04/2014	SW		8.25	7.1	19.3	279	367	0.57	0.746	369	55500	15500	13.45	155	6	
			09/08/2014	BF		8.25	8.55	65.2	614	458	0.798	0.391	721	5000	40	0.81	333	<1.25	
			11/17/2014	BF		8.25	10.6	77.9	231	248	1.92	0.352	813	---	---	4.81	308	6	
			05/18/2015	BF		8.25	7.8	51	327	327	1.13	0.47	642	5000	20	2.93	310	1.75	
			06/09/2015	SW	15.5	7.4	12.6	205	386	307	100000	6000	199	128	134				
			07/13/2015	BF	19.0	8.25	7.2	76.6	315	295	1.58	0.39	778	8500	180	1.05	325	0.63	
			08/17/2015	BF	22.0	8.25	6.2	116	438	405	0.96	0.36	867	12000	120	1.65	317	0.63	
			09/30/2015	SW															
			07/06/2016	BF	18.0				454	435	0.77	0.38	1007	4500	620				0.63
			08/22/2016	BF	19.0				366	354	1.05	0.49	855	18000	700				0.63
			10/23/2016	BF	9.5				213	214	2.92	0.66	547	22500	660				6.5
			05/01/2017	BF	12.0				110	109.2	1.4	0.35	662	2060	10				0.63
			07/10/2017	BF	18.0				496	484	1.46	0.4	767	5000	500				0.63
			07/13/2017	SW	20.0				282	862	2.12	3.2	392	100000	16000				608
			09/26/2017	BF	19.0				371	379	0.66	0.3	863	8000	220				0.63
			11/06/2017	BF	11.0				125	176	0.91	0.63	402	10555	40				8
06/04/2018	BF	16.0				336	377	1.49	0.94	884	20000	640				1.5			
07/18/2018	BF	Not reported				292	337	0.42	0.13	848		640				0.25			
08/14/2018	SW	20.0				529	640	0.19	1.37	554.0		11750				172			
10/22/2018	BF	6.0				522	834	0.919	1.83	837		100				<0.63			
Kendig Creek 42.7869 -76.8562	Kendig Creek	Addie Mason							33.8	59.6				13500	380	2.26			
Sodium							mg/L	Chloride Equiv. mg/L	3036.0	3390.0									
RCM			07/06/2016	BF	Sodium	69.3		106.9											

Keuka Outlet Data 2018

Location Code/GPS Coordinates	Site Name	Team Contact	Sampling Date	Type of Event	Water Temperature (°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 42.6574 -77.0589	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
			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
			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
			04/23/2018	BF	5.5				12.0	12.1	0.29	0.22	334.0	400	10			1.25
			06/04/2018	SW	17.5				18.1	32.8	0.11	1.06	378.0	1,216	140			8.50
07/18/2018	BF	24.5				21.6	38.0	0.03	0.12	376.0		80			1.75			
08/14/2018	SW	24.0				13.5	27.1	0.005	0.19	350.0		200			1.75			
10/22/2018	BF	10.0				6.6	27.6	0.04	0.48	335.0		600			<0.63			
KOI 42.6519 -77.0647	Indian Pines Park	Larry Martin	06/04/2018	SW	17.1				8.3	8.3	0.10	0.20	346.0	3,530	20			0.50
			07/18/2018	BF	25.1				11.3	14.0	0.028	0.29	308.0		100			0.25
			08/14/2018	SW	25.0				17.9	25.7	0.02	0.19	338.0		7,100			2.75
			10/22/2018	BF	11.0				6.3	18.6	0.01	0.15	308.0		50			2.33
KOBM 42.660 -77.052	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
			08/22/2016	BF	19.0				59.8	71.5	0.35	1.55	812.0	22,500	1,380			2.00
			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
			04/23/2018	BF	4.0				20.6	21.9	2.75	0.08	720.0	4,995	800			1.25
			06/04/2018	SW	14.0				70.5	73.0	1.95	0.73	846.0	18,870	1,340			9.00
07/18/2018	BF	18.5				89.0	97.0	0.40	0.29	794.0		40,000			5.75			
08/14/2018	SW	20.0				109.0	227.0	0.534	0.86	489.0		10,800			138.00			
10/22/2018	BF	6.0				24.1	58.0	1.28	0.42	783.0		460			<0.63			
KOFM 42.6596 -77.0371	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
			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
			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
			04/23/2018	BF	5.0				12.3	12.1	0.24	0.21	324.0	240	10			1.25
			06/04/2018	SW	17.0				11.1	12.3	0.19	0.71	368.0	4,110	160			5.75
07/18/2018	BF	24.5				21.7	34.3	0.09	0.12	348.0		140			2.75			
08/14/2018	SW	22.5				58.9	162.0	0.374	0.47	304.0		10,900			56.40			
10/22/2018	BF	9.5				6.4	16.1	0.11	0.41	379.0		100			<0.63			

Keuka Outlet Data 2018

PY-WWTP	Penn Yan 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	
07/18/2018	BF	23.3				76.0	620.0	1.80	6.46	1312.00		40,000				24.00			
08/14/2018	SW	24.5							2.57	1414.00	62600 (fc)	100,000				18.50			
10/22/2018	BF	17.0				61.0	242.0	3.90	16.80	1282.00		11,950				14.70			
KOT	42.6669 -76.9947	KO Tributary near Ridge Rd.	Larry Martin	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
				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
				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	30.80	0.05	0.27	386.0	10,555	180			6.25
				04/23/2018	BF	5.2				18.5	13.80	0.34	0.23	337.0	800	80			5.25
				06/04/2018	SW	17.2				12.2	26.40	0.28	1.10	398.0	30,500	600			11.80
				07/18/2018	BF	22.7				22.6	44.40	0.40	1.73	394.0		280			6.50
				08/14/2018	SW	23.0				108.0	446.00	1.76	2.02	485.0		100,000			103.00
				10/22/2018	BF	9.0				16.4	26.90	0.31	0.75	432.0		100			<0.63
KOSL	42.6805 -76.9538	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
				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
				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
				04/23/2018	BF	5.0				17.7	18.5	0.37	0.70	332.0	3,320	10			7.75
				06/04/2018	SW	17.1				19.6	38.6	0.41	0.71	414.0	25,000	548			26.00
				07/18/2018	BF	22.0				19.5	29.7	0.68	0.38	420.0		380			3.00
				08/14/2018	SW	22.0				91.8	1240.0	1.05	3.35	375.0		20,000			1440.00
				10/22/2018	BF	8.0				7.5	36.1	0.49	0.62	468.0		500			<0.63
				Sodium mg/L				Chloride 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		

