

New Miller Stutsman - CR 28

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	9:25	9.3	13.40	470.1	8.06	3.90	0.195	85.36	2	31	N	Y
5/9/2017	9:30	9.1	6.51	434.9	7.86	3.17	0.321	133.05			N	N
5/16/2017	9:45	14.6	2.85	505.0	7.64	2.01	0.269	75.35	9	116	N	N
5/25/2017	8:25	14.1	5.61	426.3	7.79	5.01	0.857	42.89			N	Y
6/1/2017	8:30	13.2	3.66	484.6	7.74	2.41	0.298	52.21	5	124	N	N
6/6/2017	8:30	16.8	1.73	501.0	7.65	2.64	1.820	173.86	111	252	N	N
6/13/2017			Not enough water to sample									
6/20/2017			Not enough water to sample									
6/27/2017			Not enough water to sample									
7/11/2017			Not enough water to sample									
7/18/2017			Not enough water to sample									
7/25/2017			Not enough water to sample									
8/1/2017			Not enough water to sample									
8/8/2017			Not enough water to sample									
8/15/2017			Not enough water to sample									
8/22/2017			Not enough water to sample									
8/29/2017			Not enough water to sample									
9/5/2017			Not enough water to sample									
9/12/2017			Not enough water to sample									
9/19/2017			Not enough water to sample									
9/26/2017			Not enough water to sample									

Shaffer Ditch - CR 28

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	9:35	9.9	6.03	465.8	7.75	1.78	0.264	62.91	3	500	N	Y
5/9/2017	9:40	9.6	2.13	483.3	7.45	1.89	0.225	137.11			N	N
5/9/2017	9:50	15.3	3.67	522.0	7.22	1.47	0.254	350.05	11	136	N	N
5/25/2017	8:35	14.6	0.067	705.0	7.24	2.53	0.446	192.74			N	Y
6/1/2017	8:40	13.5	1.20	731.0	6.98	1.74	0.212	516.00	109	4400	N	N
6/6/2017	8:35	15.2	2.67	709.0	7.07	0.664	1.550	805.79	38	380	N	N
6/13/2017	8:20	20.3	0.42	747.0	6.99	2.45	6.150	715.47		680	N	N
6/20/2017	8:25	15.4	3.50	542.0	7.79	2.65	5.270	147.69	242	1060	N	N
6/27/2017	8:25	13.3	5.07	427.9	7.57	2.56	5.290	103.79	280	1440	N	N
7/11/2017	8:30	19.1	4.84	573.0		3.15	6.510		34	900	N	Y
7/18/2017	8:25	17.6	4.04	444.6		1.48	1.560		47	1260	N	N
7/25/2017			No sample - tall vegetation									
8/1/2017			No sample - tall vegetation									
8/8/2017			No sample - tall vegetation									
8/15/2017			No sample - tall vegetation									
8/22/2017			Not enough water to sample									
8/29/2017			Not enough water to sample									
9/5/2017			Not enough water to sample									
9/12/2017			Not enough water to sample									
9/19/2017			Not enough water to sample									
9/26/2017			Not enough water to sample									

Fulmer Ditch - CR 28

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	9:45	9.3	2.60	444.9	7.49	4.82	0.325	65.31	12	750	N	Y
5/9/2017	9:50	9.5	6.63	446.3	7.47	4.63	1.47	158.94			N	N
5/16/2017	10:00	16.1	5.65	512.0	7.45	2.38	0.312	107.90	156	108	N	N
5/25/2017			No sample - tall vegetation									
6/1/2017			No sample - tall vegetation									
6/6/2017			No sample - tall vegetation									
6/13/2017	8:30	21.7	0.43	399.3	7.62	0.482	1.62	184.68	62	980	N	N
6/20/2017	8:35	15.7	2.72	512.0	7.69	1.92	6.14	222.79	16	600	N	N
6/27/2017	8:35	14.8	3.71	346.7	7.71	1.87	6.01	135.51	18	450	N	N
7/11/2017	8:40	20.9	2.32	583.0		1.82	1.98		17	675	N	Y
7/18/2017	8:35	18.6	0.29	668.0		2.25	0.719		520	4200	N	N
7/25/2017	9:20	16.5	1.40	824.0	7.65	0.985	2.34	718.76	105	1840	N	N
8/1/2017			No sample - tall vegetation									
8/8/2017			No sample - tall vegetation									
8/15/2017			Not enough water to sample									
8/22/2017			Not enough water to sample									
8/29/2017			Not enough water to sample									
9/5/2017			Not enough water to sample									
9/12/2017			Not enough water to sample									
9/12/2017			Not enough water to sample									
9/26/2017			Not enough water to sample									

Hoke Ditch - CR 9

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	9:55	9.1	7.74	484.2	7.82	7.68	0.699	150.88	10	1300	N	Y
5/9/2017	10:00	9.4	8.23	446.8	7.77	8.94	0.350	189.67			N	N
5/16/2017	10:10	14.7	7.53	601.0	7.78	5.12	0.498	188.45	5	204	N	N
5/25/2017	8:45	13.9	6.38	469.9	7.58	11.30	1.230	185.03			N	Y
6/1/2017	8:55	13.3	6.90	550.0	7.87	6.42	0.401	252.12	7	760	N	N
6/6/2017	8:45	16.5	5.60	706.0	7.96	6.10	3.200	275.37	9	820	N	N
6/13/2017	8:40	21.7	4.14	777.0	7.93	2.70	5.330	276.43	64	920	N	N
6/20/2017	8:45	16.6	4.33	527.0	7.87	8.03	9.420	335.61	13	63200	N	N
6/27/2017	8:45	15.0	5.48	795.0	8.11	7.01	8.420	322.09	36	514	N	N
7/11/2017	8:50	19.8	5.43	650.0		2.98	6.220		24	4600	N	Y
7/18/2017	8:40		Not enough water to sample									
7/25/2017			Not enough water to sample									
8/1/2017			Not enough water to sample									
8/8/2017			Not enough water to sample									
8/15/2017			Not enough water to sample									
8/22/2017			Not enough water to sample									
8/29/2017			Not enough water to sample									
9/5/2017			Not enough water to sample									
9/12/2017			Not enough water to sample									
9/19/2017			Not enough water to sample									
9/26/2017			Not enough water to sample									

Yellow Creek - CR 138

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	10:10	9.9	10.25	587.0	7.89	12.00	0.834	258.27		3200	N	Y
5/9/2017	10:15	9.8	3.12	662.0	7.85	16.00	0.696	357.63			N	N
5/16/2017	10:25	15.5	7.18	686.0	7.84	8.67	0.698	270.21		1100	N	N
5/25/2017	9:00	15.1	5.72	415.3	7.57	11.90	0.744	139.60			N	Y
6/1/2017	9:10	14.4	6.11	673.0	7.95	13.00	0.712	61.36		1800	N	N
6/6/2017	9:00	15.8	7.35	697.0	7.94	8.92	1.060	275.42		2000	N	N
6/13/2017	9:05	20.1	4.53	837.0	7.89	9.50	1.300	338.92		1440	N	N
6/20/2017	8:55	16.6	5.27	509.0	7.98	12.60	5.02	231.54		540	N	N
6/27/2017	9:00	14.6	6.21	769.0	8.08	11.30	4.02	377.32		540	N	N
7/11/2017	9:00	19.7	5.25	777.0		8.78	1.39			63200	N	Y
7/18/2017	8:50	19.0	5.09	893.0		6.61	2.01			1520	N	N
7/25/2017	9:35	17.8	4.86	974.0	7.97	11.40	1.320	508.21		1840	N	N
8/1/2017			Not enough water to sample									
8/8/2017			Not enough water to sample									
8/15/2017			Not enough water to sample									
8/22/2017	9:20	20.4	4.41	510.0	8.04	3.86	2.45	212.60			Y	N
8/29/2017	9:40	17.0	5.16	893.0	7.99	6.60	1.51	521.35		695	N	N
9/5/2017	9:45	16.6	4.14	744.0	8.27	5.47	2.260	247.60		250	N	N
9/12/2017	10:10	13.4	4.92	655.0	8.06	7.03	1.660	378.12		202	N	N
9/19/2017	9:40	14.2	3.95	406.0	8.01	5.48	4.130	248.70		63200	N	Y
9/26/2017			Road closed no sample									

Weaver Ditch - CR 44

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	10:25	10.6	3.80	798.2	7.62	6.88	5.560	429.03		63200	N	Y
5/9/2017	10:30	10.0	5.54	808.0	7.46	10.80	1.450	690.62			N	N
5/16/2017	10:40	13.5	5.02	713.0	7.50	4.98	3.120	486.70		63200	N	N
5/25/2017			No sample - tall vegetation									
6/1/2017	9:25	13.3	4.51	778.0	7.30	10.20	2.450	300.03		629	N	N
6/6/2017	9:15	13.2	4.40	791.0	7.42	7.32	2.230	333.41		940	N	N
6/13/2017	9:20	17.1	3.71	888.0	7.61	7.45	2.580	312.71		1600	N	N
6/20/2017	9:05	14.9	5.31	1043.0	7.86	12.00	4.800	523.08		63200	N	N
6/27/2017	9:10	13.0	4.67	801.0	7.93	11.70	4.180	449.50		1450	N	N
7/11/2017	9:15	18.5	3.42	2039.0		8.54	2.85			63200	N	Y
7/18/2017			Not enough water to sample									
7/25/2017			Not enough water to sample									
8/1/2017			Not enough water to sample									
8/8/2017			Not enough water to sample									
8/15/2017			Not enough water to sample									
8/22/2017			Not enough water to sample									
8/29/2017			Not enough water to sample									
9/5/2017			Not enough water to sample									
9/12/2017			Not enough water to sample									
9/19/2017			Not enough water to sample									
9/26/2017			Not enough water to sample									

Pine Creek - CR 23

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	10:50	9.2	11.18	483.2	8.03	4.14	0.302	92.05		1400	N	Y
5/9/2017	10:55	10.1	9.70	574.0	8.06	4.64	0.258	193.63			N	N
5/16/2017	11:10	15.6	9.23	601.0	8.08	2.12	0.189	197.28		390	N	N
5/25/2017	9:45	14.5	7.42	159.5	7.86	3.46	0.694	65.26			N	Y
6/1/2017	9:50	12.9	8.64	578.0	8.08	4.12	0.198	235.95		440	N	N
6/6/2017	9:40	14.2	7.83	551.0	8.10	4.01	0.240	247.82		330	N	N
6/13/2017	9:45	15.6	6.75	621.0	8.02	4.31	0.808	205.40		1800	N	N
6/20/2017	9:35	15.1	6.98	537.0	8.04	4.49	4.270	229.66		5100	N	N
6/27/2017	9:35	13.5	7.62	556.0	8.04	4.12	4.100	227.05		955	N	N
7/11/2017	9:40	18.2	6.37	541.0		4.28	0.912			2900	N	Y
7/18/2017	9:25	17.2	7.65	528.0		3.98	2.100			1155	N	N
7/25/2017	10:10	16.5	8.47	519.0	8.13	4.19	0.301	110.59		1020	N	N
8/1/2017	9:25	16.9	7.95	543.0	8.16	4.57	0.844	205.87		1160	N	N
8/8/2017	9:30	14.8	6.58	566.0	8.16	4.12	0.878	263.35		1200	N	N
8/15/2017	9:15	16.7	5.83	576.0		4.23	3.000			880	N	N
8/22/2017	9:50	19.4	5.68	487.0	8.14	4.22	0.388	202.10			Y	N
8/29/2017	10:05	15.7	7.14	563.2	8.25	4.68	0.534	211.59		850	N	N
9/5/2017	10:20	15.9	5.22	488.8	8.19	5.04	0.543	252.80		1060	N	N
9/12/2017	10:35	13.3	5.13	494.6	8.24	4.79	3.370	79.42		500	N	N
9/19/2017	10:15	18.5	4.72	332.0	8.37	3.65	3.210	198.76		5500	N	Y
9/26/2017	10:25	17.4	4.56	485.0	8.16	4.25	0.427	106.46		1240	N	N

Pine Creek - CR 23

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	10:50	9.2	11.18	483.2	8.03	4.14	0.302	92.05		1400	N	Y
5/9/2017	10:55	10.1	9.70	574.0	8.06	4.64	0.258	193.63			N	N
5/16/2017	11:10	15.6	9.23	601.0	8.08	2.12	0.189	197.28		390	N	N
5/25/2017	9:45	14.5	7.42	159.5	7.86	3.46	0.694	65.26			N	Y
6/1/2017	9:50	12.9	8.64	578.0	8.08	4.12	0.198	235.95		440	N	N
6/6/2017	9:40	14.2	7.83	551.0	8.10	4.01	0.240	247.82		330	N	N
6/13/2017	9:45	15.6	6.75	621.0	8.02	4.31	0.808	205.40		1800	N	N
6/20/2017	9:35	15.1	6.98	537.0	8.04	4.49	4.270	229.66		5100	N	N
6/27/2017	9:35	13.5	7.62	556.0	8.04	4.12	4.100	227.05		955	N	N
7/11/2017	9:40	18.2	6.37	541.0		4.28	0.912			2900	N	Y
7/18/2017	9:25	17.2	7.65	528.0		3.98	2.100			1155	N	N
7/25/2017	10:10	16.5	8.47	519.0	8.13	4.19	0.301	110.59		1020	N	N
8/1/2017	9:25	16.9	7.95	543.0	8.16	4.57	0.844	205.87		1160	N	N
8/8/2017	9:30	14.8	6.58	566.0	8.16	4.12	0.878	263.35		1200	N	N
8/15/2017	9:15	16.7	5.83	576.0		4.23	3.000			880	N	N
8/22/2017	9:50	19.4	5.68	487.0	8.14	4.22	0.388	202.10			Y	N
8/29/2017	10:05	15.7	7.14	563.2	8.25	4.68	0.534	211.59		850	N	N
9/5/2017	10:20	15.9	5.22	488.8	8.19	5.04	0.543	252.80		1060	N	N
9/12/2017	10:35	13.3	5.13	494.6	8.24	4.79	3.370	79.42		500	N	N
9/19/2017	10:15	18.5	4.72	332.0	8.37	3.65	3.210	198.76		5500	N	Y
9/26/2017	10:25	17.4	4.56	485.0	8.16	4.25	0.427	106.46		1240	N	N

Pine Creek - Wyland and Roske

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	11:05											
Sample collected on Pine Creek - CR 17												
5/9/2017	11:10	10.7	9.38	521.0	8.15	3.29	0.190	227.93			N	N
5/16/2017	11:25	16.2	8.65	591.0	8.19	2.16	0.138	186.96		269	N	N
5/25/2017	10:00	14.6	7.52	337.5	8.00	3.16	0.456	39.17			N	Y
6/1/2017	10:05	13.7	8.78	537.0	8.17	3.01	0.142	252.79		380	N	N
6/6/2017	9:55	15.0	8.43	548.0	8.21	3.65	0.147	342.55		540	N	N
6/13/2017	10:00	18.3	8.26	603.0	8.16	3.51	0.170	260.05		700	N	N
6/20/2017	9:50	15.1	9.79	504.0	8.15	3.34	0.937	252.11		1240	N	N
6/27/2017	9:50	13.6	9.09	849.0	8.18	3.30	1.010	249.44		940	N	N
7/11/2017	9:50	18.3	7.70	503.0		4.51	0.199			63200	N	Y
7/18/2017	9:40	16.8	7.69	533.0	8.28	3.37	1.870	227.81		770	N	N
7/25/2017	10:25	16.0	7.84	656.0	8.26	3.29	0.231	187.89		1560	N	N
8/1/2017	9:40	16.1	8.25	596.0	8.26	3.35	1.770	215.07		695	N	N
8/8/2017	10:25	15.1	9.11	643.0	8.29	3.08	1.680	260.72		625	N	N
8/15/2017	9:30	16.1	7.54	547.0		3.40	1.190			595	N	N
8/22/2017	10:10	18.5	6.18	511.0	8.22	3.26	0.243	247.88			Y	N
8/29/2017	11:20	15.5	6.67	385.0	8.31	3.58	1.420	256.18		585	N	N
9/5/2017	11:35	16.2	5.79	551.0	8.22	3.67	0.230	179.48		340	N	N
9/12/2017	10:50	13.4	6.37	461.7	8.29	3.54	0.177	164.17		360	N	N
9/19/2017	10:30	17.0	6.43	312.0	8.20	2.90	2.640	164.22		1240	N	Y
9/26/2017	10:40	16.9	5.77	502.0	8.28	3.25	0.210	188.72		490	N	N

Christiana Creek - CR 4

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/2/2017	11:30	12.1	10.86	251.2	8.21	1.24	0.064	16.18		140	N	Y
5/9/2017	11:30	12.7	9.90	350.4	8.27	1.28	0.000	42.62			N	N
5/16/2017	11:50	19.0	9.15	416.8	8.30	0.124	0.012	54.16		75	N	N
5/25/2017	10:25	17.2	8.39	393.4	8.23	1.28	0.064	24.73			N	Y
6/1/2017	10:25	17.8	7.38	401.2	8.29	0.97	0.010	59.26		164	N	N
6/6/2017	10:15	19.8	8.01	432.4	8.24	1.36	0.055	87.98		98	N	N
6/13/2017	10:20	22.7	7.43	458.4	8.21	1.40	0.888	68.55		162	N	N
6/20/2017	10:15	20.2	7.11	429.0	8.26	1.28	1.590	48.01		300	N	N
6/27/2017	10:10	18.0	7.61	430.8	8.26	1.08	1.110	86.67		238	N	N
7/11/2017	10:15	22.5	6.87	397.5	8.20	1.01	0.287	36.41		228	N	Y
7/18/2017	10:00	23.0	6.99	421.0		0.841	0.715			156	N	N
7/25/2017	10:45	22.6	7.61	355.8		0.875	0.062			80	N	N
8/1/2017	10:00	22.2	6.81	426.5	8.35	0.981	0.137	77.16		236	N	N
8/8/2017	10:45	20.5	7.31	395.7	8.42	0.961	0.117	49.42		159	N	N
8/15/2017	9:50	21.7	6.58	386.2	7.84	0.941	0.775	20.19		167	N	N
8/22/2017	10:30	22.6	6.02	413.2	8.51	1.10	0.176	80.08			Y	N
8/29/2017	11:40	19.6	6.92	403.0	8.40	0.222	2.240	61.19		200	N	N
9/5/2017	11:55	19.0	6.51	406.3	8.36	1.04	1.140	16.28		780	N	N
9/12/2017	11:25	17.2	7.74	282.3	8.20	1.20	0.169	22.95		169	N	N
9/19/2017	10:50	20.6	6.19	321.5	8.19	0.906	0.181	24.41		830	N	Y
9/26/2017	11:00	22.0	5.53	426.9	8.49	1.04	0.048	51.54		136	N	N

Cobus Creek - CR 10

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E.COLI	RAINING	WET
5/2/2017	11:45	10.7	8.60	239.4	7.98	0.582	0.068	15.52	2	308	N	Y
5/9/2019	11:50	YSI NOT OPERATIONAL					0.068	0.075			N	N
5/16/2016	12:00	18.5	7.58	336.7	8.11	0.870	0.093	67.33	5	510	N	N
5/25/2017	10:35	15.7	7.14	297.6	7.98	0.548	0.077	25.48			N	Y
6/1/2017	10:40	15.7	8.17	313.2	8.11	0.860	0.072	39.55	10	232	N	N
6/6/2017	10:30	16.7	7.22	330.0	8.15	0.414	0.105	57.73		278	N	N
6/13/2017	10:35	19.7	7.23	342.0	8.09	0.381	0.147	44.58	11	260	N	N
6/20/2017	10:30	17.0	8.18	322.5	8.10	0.498	0.795	72.20	7	289	N	N
6/27/2017	10:30	14.6	8.77	310.8	8.10	1.12	0.998	100.94	6	313	N	N
7/11/2017	10:30	21.1	7.40	364.0	7.93	1.12	0.312	35.44	8	420	N	Y
7/18/2017	10:15	19.9	7.25	320.6		0.312	1.030		10	400	N	N
7/25/2017	11:00	19.3	7.52	312.7	8.18	0.329	0.151	23.08	9	225	N	N
8/1/2017	10:15	19.1	8.52	332.3	8.18	0.432	1.57	212.10	16	294	N	N
8/8/2017	10:55	17.7	8.20	312.4	8.10	0.782	1.42	25.81	7	259	N	N
8/15/2017	10:00	18.9	9.34	332.9	7.67	0.313	1.23	7.23	13	305	N	N
8/22/2017	10:45	21.0	7.11	236.5	8.25	0.373	0.652	63.84			Y	N
8/29/2017	11:55	17.6	7.80	318.4	8.51	1.12	0.064	54.67	1	304	N	N
9/5/2017	12:10	16.6	8.01	319.8	8.52	0.259	0.423	15.99	1	600	N	N
9/12/2017	11:40	14.1	8.18	311.9	8.50	0.251	0.964	41..78	1	460	N	N
9/19/2017	11:05	19.0	6.69	304.6	8.17	0.245	0.396	21.39	5	1360	N	Y
9/26/2017	11:25	19.5	6.58	332.1	8.09	0.246	0.055	48.67	7	530	N	N

Rock Run Creek CR 21

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	9:40	10.4	10.30	458.8	8.00	4.10	5.380	138.98			N	Y
5/11/2017	8:35	10.1	8.30	183.6	7.62	4.45	0.237	44.29		63200	N	Y
5/18/2017	8:55	16.7	8.04	585.0	8.11	3.78	0.212	177.38			N	N
5/23/2017	8:20	14.5	8.10	510.0	7.97	4.29	0.262	48.75		1770	N	N
5/30/2017	8:45	14.1	8.48	541.0	8.07	5.29	1.890	161.65			N	N
6/8/2017	8:20	15.0	8.45	553.0	8.21	3.74	0.318	315.05		263	N	N
6/15/2017	8:35	18.9	7.70	654.0	7.89	2.45	0.178			780	N	N
6/22/2017	8:25	18.1	7.88	733.0	8.18	3.85	0.287	325.15		555	N	N
6/29/2017	8:35	17.1	7.98	537.0	8.23	3.54	0.143	341.72		385	N	N
7/6/2017	8:30	18.7	7.41	1033.0	8.23	2.99	1.460	334.95		490	N	N
7/13/2017	8:35	19.6	7.11	467.4	7.95	3.12	0.412	75.87		6100	N	Y
7/20/2017	8:35	20.4	7.32	775.0		2.91	0.208			150	N	N
7/27/2017	8:30	19.6	7.67	660.0	8.25	2.54	0.175	188.7		350	N	N
8/3/2017	8:25	18.7	7.63	657.0	7.72	3.14	0.316	55.25			N	N
8/10/2017	8:30	16.9	5.71	520.0	8.23	2.60	1.400	189.12		318	N	N
8/17/2017	8:20	20.1	4.46	733.0	8.17	3.41	0.216	226.28		510	N	N
8/24/2017	9:20	15.8	5.14	525.0	8.38	2.60	1.400	337.84			N	N
8/31/2017	9:30	16.3	4.82	580.0	8.30	2.85	0.237	363.80		196	N	N
9/7/2017	9:50	13.9	4.80	741.1	8.30	2.83	0.239	119.95		1390	N	Y
9/14/2017			Equipment issue - no sample									
9/21/2017	9:40	19.6	4.07	528.0	8.20	4.25	0.301	136.27			N	N
9/28/2017	8:45	15.2	4.41	602.0	8.41	3.10	0.518	320.27		366	N	N

Rock Run - CR 34

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E.C OLI	RAINING	WET
5/4/2017	9:55	9.5	8.44	498.4	7.83	4.26	3.110	117.17			N	Y
5/11/2017	8:50	10.1	10.23	207.6	7.48	6.02	0.370	36.91		63200	N	Y
5/18/2017	9:10	16.4	6.97	630.0	7.85	4.12	0.301	183.0			N	N
5/23/2017	8:40	14.0	7.55	587.0	7.72	5.14	0.312	86.78		2200	N	N
5/30/2017	9:00	13.4	8.58	527.0	7.84	6.04	1.670	212.37			N	N
6/8/2017	8:40	13.6	7.11	591	7.93	5.99	0.319	269.4		740	N	N
6/15/2017	8:50		YSI not operational			5.12	0.148			1643	N	N
6/22/2017	8:40	17.2	6.59	646.0	7.90	6.13	0.273	213.69		1310	N	N
6/29/2017	8:45	16.4	7.12	550.0	7.90	6.26	0.182	223.22		2225	N	N
7/6/2017	8:50	17.3	6.47	652.0	8.02	5.81	3.44	215.72		1070	N	N
7/13/2017	8:50	18.5	6.62	518.0	6.85	5.41	0.987	10.09		63200	N	Y
7/20/2017	8:50	18.9	6.33	574.0		5.96	0.304			1000	N	N
7/27/2017	8:45	18.1	7.82	748.0	8.10	6.53	0.150	167.67		1100	N	N
8/3/2017	8:40	17.0	7.37	617.0	8.14	6.41	0.882	178.46			N	N
8/10/2017	8:45	15.0	6.25	582.0	8.08	1.33	1.540	152.02		945	N	N
8/17/2017	8:40	19.5	6.32	647.0	8.13	5.96	0.728	200.42		3400	N	N
8/24/2017	9:40	14.1	7.36	567.0	8.17	1.33	1.540	234.28			N	N
8/31/2017	9:50	15.3	6.83	489.8	8.25	6.32	0.427	215.62		520	N	N
9/7/2017	10:10	13.1	6.96	740.4	8.26	7.29	0.185	173.92		700	N	Y
9/14/2017	9:10	15.2	5.18	613.0	8.13	7.01	0.435	120.17		780	N	N
9/21/2017	9:55	18.2	4.25	689.0	8.21	6.01	0.298	133.32			N	N
9/28/2017	9:05	13.5	5.77	655.0	8.23	3.26	0.396	186.22		1380	N	N

Rock Run - CR 35 & CR 30

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E.COLI	RAINING	WET
5/4/2017	10:05	9.3	8.76	450.6	7.9	4.3	3.600	73.11	15.5		N	Y
5/11/2017	9:05	10	8.76	193.7	7.53	12.1	0.311	25.21		63200	N	Y
5/18/2017	9:25	16.1	8.42	639.0	8.16	5.12	0.254	277.12	4.5		N	N
5/23/2017	8:50	14.1	8.85	492.3	7.92	6.98	0.298	112.08		1750	N	N
5/30/2017	9:10	13.8	8.35	516.0	8.02	8.24	9.850	101.53			N	N
6/8/2017	8:50	12.5	6.04	593.0	8.16	12.0	0.469	314.86	4.5	1370	N	N
6/15/2017	9:05		YSI not operational			1.48	0.250			7200	N	N
6/22/2017	8:50	15.8	7.08	639.0	8.13	11.1	0.510	277.81	8	1580	N	N
6/29/2017	8:55	16.1	8.40	622.0		12.2	0.233			2350	N	N
7/6/2017	9:00	16.0	8.21	603.0	8.15	11.9	8.17	344.6	2.1	3700	N	N
7/13/2017	9:00	18.2	6.73	647.0	6.52	9.2	1.42			23500	N	Y
7/20/2017	9:00	17.7	6.46	726.0	8.06	11.4	0.269	173.18	6.3	4750	N	N
7/27/2017	8:55	17.2	7.21	671.0	8.25	1.38	0.255	233.22		1400	N	N
8/3/2017	8:50	16.3	7.85	587.0	8.24	10.2	1.05	270.43	2.9		N	N
8/10/2017	9:05	15.1	8.04	778.0	8.12	11.5	2.53	170.57		935	N	N
8/17/2017			Not enough water to sample									
8/24/2017	9:50	14.4	5.20	617.0	8.31	11.5	0.536	320.95			N	N
8/31/2017	10:00	15.7	7.27	807.0	8.33	10.4	0.601	334.44	4.38	780	N	N
9/7/2017	10:20	14.0	7.19	739.3	8.42	11.2	0.217	276.93		1355	N	Y
9/14/2017			Equipment issue - no sample									
9/21/2017	10:05	18.1	5.56	692.0	8.26	11.1	0.301	150.87			N	N
9/28/2017	9:20	13.9	6.48	614.0	8.43	8.20	0.540	329.46	4	1120	N	N

CR 43 Elkhart River

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	10:30	11.5	9.48	439.5	7.98	1.74	0.147	114.73			N	Y
5/11/2017	9:30	13.1	8.04	314.5	7.92	1.18	0.249	78.09		400	N	Y
5/18/2017	9:45	20.1	5.57	497.3	7.88	1.42	0.216	129.92			N	N
5/23/2017	9:10	16.7	6.75	438.8	7.81	1.62	0.257	100.33		390	N	N
5/30/2017	9:35	18.4	5.74	442.6	7.84	1.66	9.480	126.75			N	N
6/8/2017	9:05	19.4	5.49	467.1	7.88	0.87	0.194	167.51		80	N	N
6/15/2017	9:25			YSI not operational		1.01	0.698			120	N	N
6/22/2017	9:20	20.9	5.80	502.0	7.87	1.03	0.416	161.13		190	N	N
6/29/2017	9:20	18.9	6.33	515.0	7.95	1.14	0.267	144.83		206	N	N
7/6/2017	9:20	21.9	5.78	498.6	8.04	0.94	1.020	202.69		136	N	N
7/13/2017	9:20	22.2	6.68	515.0		1.87	0.321			1662	N	Y
7/20/2017	9:20	23.6	5.83	498.0		0.922	0.398			169	N	N
7/27/2017	9:15	22.4	5.25	382.6	7.99	0.981	0.699	184.72		106	N	N
8/3/2017	9:10	21.9	6.53	557.0	8.09	1.32	0.327	209.57			N	N
8/10/2017	9:20	19.7	7.36	491.2	7.72	1.01	2.640	49.69		112	N	N
8/17/2017	9:10	23.1	5.38	561.0	8.45	8.12	0.301	172.40		124	N	N
8/24/2017	10:10	19.2	6.18	489.6	8.28	1.01	2.64	195.67			N	N
8/31/2017	10:20	19.2	6.12	481.9	8.29	1.23	0.205	236.70		84	N	N
9/7/2017	10:45	16.0	6.88	739.4	8.04	1.05	0.207			184	N	N
9/14/2017	9:35	17.0	4.96	638.0	8.16	1.06	0.305	246.17		369	N	N
9/21/2017	10:25	20.9	5.37	503.0	8.09	1.08	0.245	104.59			N	N
9/28/2017	9:45	18.4	5.56	437.9	8.28	1.64	0.316	213.56		180	N	N

Elkhart River - Indiana Ave.

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	11:20	11.6	10.01	470.1	8.06	2.21	0.154	126.51			N	Y
5/11/2017	10:25	13.6	10.01	474.7	8.07	1.86	0.159	84.97		196	N	Y
5/18/2017	10:35	20.1	8.12	543.0	8.07	0.181	0.128	166.55			N	N
5/23/2017	10:00	16.6	7.06	439.4	7.76	0.179	0.14	99.19		490	N	N
5/30/2017			No sample - bridge work									
6/8/2017	10:05	19.2	7.51	524.0	7.99	1.75	0.267	188.08		25	N	N
6/15/2017	10:15		YSI not operational			1.26	0.161			96	N	N
6/22/2017	10:05	20.7	7.80	555.0	8.02	1.66	0.342	205.37		76	N	N
6/29/2017	10:05	18.7	8.35	636.0	8.11	1.55	0.249	226.65		90	N	N
7/6/2017	10:10	22.4	7.02	590.0	8.01	1.40	0.352	202.9		25	N	N
7/13/2017	10:10	21.9	6.69	613.0		2.12	0.312			192	N	Y
7/20/2017			Storms - no sample									
7/27/2017	10:05	22.6	7.19	571.0	8.21	1.24	0.168	169.75		50	N	N
8/3/2017	10:00	22.5	7.80	526.0	8.28	2.22	0.218	209.75			N	N
8/10/2017	10:10	20.3	8.07	387.1		6.58	0.244			28	N	N
8/17/2017	10:15	22.3	6.01	514.0	8.36	2.78	0.201	241.13		61	N	N
8/24/2017	11:20	20.2	6.42	466.1	8.22	6.58	0.244	267.67			N	N
8/31/2017	11:15	19.4	6.21	481.0	8.22	1.58	0.171	282.77		35	N	N
9/7/2017	11:45	17.0	6.23	741.5	5.58	1.31	0.176			58	N	Y
9/14/2017			Equipment issue - no sample									
9/21/2017	11:10	21.1	6.32	585.0	8.14	1.84	0.186	128.5			N	N
9/28/2017	10:35	19.5	6.32	578.0	8.28	2.01	0.178	287.2		34	N	N

Solomon Creek - CR 52

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	10:45	10.4	7.28	545	7.68	3.31	0.205	131.07	7.5		N	Y
5/11/2017	9:45	11.8	6.9	477.5	7.64	2.38	0.066	77.62		230	N	Y
5/18/2017	9:55	16.7	7.34	889	7.33	2.98	0.042	143.44	4.67		N	N
5/23/2017	9:25	15.1	5.94	565	7.64	3.64	0.067	157.96		150	N	N
5/30/2017	9:45	14.1	6.34	559	7.71	3.89	0.668	162.94			N	N
6/8/2017	9:20	13.9	6.90	481	7.83	1.82	0.071	230.74	8.17	102	N	N
6/15/2017	9:35		YSI not operational			1.12	0.078			316	N	N
6/22/2017	9:30	16.9	6.05	527.0	7.81	1.92	0.055	167.84	4.38	500	N	N
6/29/2017	9:35	15.9	8.19	614.0	7.88	1.73	0.087	193.48		420	N	N
7/6/2017	9:30	17.5	6.68	689.0	7.90	1.60	3.680	272.93	3.4	470	N	N
7/13/2017	9:35	18.6	5.68	551.0		4.14	0.198			2200	N	Y
7/20/2017	9:30	18.2	5.35	500.0	6.67	1.42	0.050		3.2	79	N	N
7/27/2017	9:30	18.4	6.07	702.0	7.96	1.13	0.083	108.46		340	N	N
8/3/2017	9:25	18.0	6.71	651.0	8.01	4.04	0.093	176.39	5.5		N	N
8/10/2017	9:35	15.9	6.92	1130.0	7.10	1.10	5.300	117.10		292	N	N
8/17/2017	9:20	20.0	5.79	590.0	8.00	1.12	0.087	175.76	5.4	850	N	N
8/24/2017	10:20	15.1	7.33	610.0	8.05	1.10	5.300	159.88			N	N
8/31/2017	10:35	16.5	6.67	676.0	8.08	1.51	0.047	219.24	3.25	228	N	N
9/7/2017	11:05	13.7	7.04	739.7	5.82	1.09	0.076			274	N	Y
9/14/2017	9:50	15.3	6.11	628.0	8.05	1.21	0.123	340.14	2.38	225	N	N
9/21/2017	10:35	18.7	5.04	706.0	8.03	2.03	0.096	97.98			N	N
9/28/2017	9:55	13.9	7.72	648.0	8.11	3.01	0.091	140.24	2.75	232	N	N

Solomon Creek - CR 33

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	10:55	10.4	7.80	533.0	7.81	3.91	0.149	137.23	10		N	Y
5/11/2017	9:55	11.9	7.66	520.0	7.78	2.90	0.092	104.9		210	N	Y
5/18/2017	10:10	16.6	6.92	586.0	7.94	4.01	0.061	132.86	13.2		N	N
5/23/2017	9:35	14.9	6.55	573.0	7.79	4.02	0.091	179.05		580	N	N
5/30/2017	9:55	14.1	7.15	626.0	7.87	4.51	0.272	139.68			N	N
6/8/2017	9:35	14.3	7.50	559.0	8.01	2.08	0.076	253.15	7.83	138	N	N
6/15/2017	9:50		YSI not operational			1.17	0.074			245	N	N
6/22/2017	9:40	17.4	6.92	607.0	8.01	2.40	0.093	185.23	11.4	238	N	N
6/29/2017	9:45	16.2	7.57	629.0	8.09	1.96	0.162	220.96		277	N	N
7/6/2017	9:45	18.6	7.15	615.0	8.14	1.65	0.272	226.33	7.5	236	N	N
7/13/2017	9:45	19.0	6.24	632.0		3.12	0.177			9400	N	Y
7/20/2017			Storms - no sample									
7/27/2017	9:40	19.4	6.71	646.0	8.16	1.18	0.084	160.96		106	N	N
8/3/2017	9:35	19.2	7.08	680.0	8.22	3.11	0.176	203.16	4.9		N	N
8/10/2017	9:45	17.2	7.67	679.0	8.31	1.07	0.207	279.81		96	N	N
8/17/2017	9:45	21.3	7.01	868.0	8.30	3.98	0.162	229.51	4.5	196	N	N
8/24/2017	10:35	16.3	7.30	685.0	8.29	1.07	0.207	223.18			N	N
8/31/2017	10:45	17.4	6.68	691.0	8.34	1.73	0.084	257.26	2.63	150	N	N
9/7/2017	11:15	14.2	7.38	740.0	6.09	1.17	0.058			278	N	Y
9/14/2017	10:00	15.9	6.57	560.0	8.15	1.05	0.334	282.14	2	228	N	N
9/21/2017	10:45	19.4	6.77	713.0	8.18	2.68	0.085	127.34			N	N
9/28/2017	10:05	14.8	7.37	688.0	8.45	2.98	0.079	185.36	1.75	148	N	N

Heaton Lake - Ideal Beach

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	11:50	12.4	10.38	307.2	8.21	3.360	0.039	23.03			N	Y
5/11/2017	10:55	13.7	10.29	306.1	8.49	0.322	0.042	14.55		87	N	Y
5/18/2017	11:20	23.5	9.65	369.0	8.65	0.172	0.038	28.4			N	N
5/23/2017	10:30	19.3	8.49	357.4	8.48	0.178	0.041	59.38		53		
5/30/2017	10:40	25.7	8.30	350.0	8.60	0.183	0.822	75.24			N	N
6/8/2017	10:40	23.6	10.51	359.7	8.82	1.850	0.047	63.11		22	N	N
6/15/2017	10:40		YSI not operational			0.140	0.054			63	N	N
6/22/2017	10:40	24.7	5.89	337.3	8.21	0.177	0.082	52.54		400	N	N
6/29/2017	10:35	22.3	6.82	348.1	8.29	0.181	0.049	41.87		78	N	N
7/6/2017	10:40		YSI not operational			0.193	0.729			21	N	N
7/13/2017	10:40	25.5	4.31	366.8		0.178	0.098			7300	N	Y
7/20/2017			Storms - no sample									
7/27/2017	10:35	27.0	7.67	290.6	8.81	0.143	0.055	67.18		42	N	N
8/3/2017	10:35	27.3	8.07	240.5		0.147	0.071				N	N
8/10/2017	10:40	24.0	6.23	279.6	7.28	0.094	0.374	47.56		13	N	N
8/17/2017	11:00	26.3	5.96	252.1	9.35	0.167	0.062	49.31		3300	N	N
8/24/2017	11:40	22.2	6.81	250.3	8.14	0.094	0.374	52.66			N	N
8/31/2017	11:45	21.6	6.27	243.6	8.10	0.117	0.040	41.9		172	N	N
9/7/2017	11:45	17.0	6.23	741.5	5.58	1.310	0.176			92	N	Y
9/14/2017	11:05	19.7	6.04	220.3	8.07	1.270	0.614	78.64		84	N	N
9/21/2017	11:35	25.1	6.71	242.3	8.43	0.301	0.038	42.85			N	N
9/28/2017	11:10	20.9	8.24	218.0	8.25	0.302	0.059	45.14		147	N	N

Heaton Lake - 22892 Lake Shore

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	12:00	12.8	8.98	321.1	8.15	0.392	0.048	28.73			N	Y
5/11/2017	11:05	14.4	9.68	316.8	8.31	0.287	0.064	41.98		152	N	Y
5/18/2017	11:30	22.5	7.24	391.1	8.31	0.141	0.050	70.68			N	N
5/23/2017	10:40	19.1	10.01	357.2	8.57	0.142	0.054	70.65		12	N	N
5/30/2017	10:50	20.30	8.92	355.0	8.54	0.171	0.377	67.47			N	N
6/8/2017	10:50	23.20	8.23	350.7	7.92	0.261	0.068	58.17		0	N	N
6/15/2017	10:50			YSI not operational		0.101	0.041			7	N	N
6/22/2017	10:55	24.7	4.62	351.8	8.20	0.157	0.115	20.50		53	N	N
6/29/2017	10:45	22.2	6.97	341.8	8.33	0.192	0.045	66.22		3000	N	N
7/6/2017	10:50			YSI not operational		0.121	0.509			0	N	N
7/13/2017	10:50	25.1	6.46	335.9		0.187	0.111			19	N	Y
7/20/2017				Storms - no sample								
7/27/2017	10:45	27.1	7.71	325.7	8.54	0.100	0.043	52.68		3	N	N
8/3/2017	10:40	26.2	7.40	293.6		0.162	0.028				N	N
8/10/2017				Road closed - no sample								
8/17/2017	11:10	25.9	6.28	162.8	8.01	0.141	0.037	36.38		520	N	N
8/24/2017	11:55	21.7	7.28	248.2	8.16	0.074	0.104	38.47			N	N
8/31/2017	11:55	21.7	6.38	249.8	8.04	0.145	0.079	46.80		14	N	N
9/7/2017	12:20	19.1	6.75	741.9	6.41	0.081	0.084			39	N	Y
9/14/2017	11:15	19.6	5.78	246.8	8.12	0.165	0.702	47.62		10	N	N
9/21/2017	11:45	24.5	6.74	267.2	8.15	0.207	0.046	36.07			N	N
9/28/2017				Pier removed, muck at shoreline - no sample								

Simonton Lake - 51903 Beach Drive

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	12:15	11.6	10.01	470.1	8.06	0.645	0.051	126.51			N	Y
5/11/2017	11:20	14.7	8.88	347.6	8.25	0.761	0.049	49.02		88	N	Y
5/18/2017	11:45	22.1	7.83	378.2	8.43	0.201	0.041	97.56			N	N
5/23/2017	10:50	18.8	9.42	401.6	8.54	0.275	0.045	51.65		0	N	N
5/30/2017	11:00	20.7	7.84	361.2	8.42	0.375	0.490	78.06			N	N
6/8/2017	11:00	23.3	7.56	411.6	8.31	0.118	0.059	108.79		116	N	N
6/15/2017	11:05		YSI not operational			0.101	0.032			232	N	N
6/22/2017	11:05	24.0	7.11	405.1	8.44	0.162	0.113	81.15		43	N	N
6/29/2017	10:55	21.8	8.74	345.7	8.84	0.083	0.060	39.93		17	N	N
7/6/2017	11:00		YSI not operational			0.134	3.790			63200	N	N
7/13/2017	11:00	25	6.65	327.6		0.132	0.121			311	N	Y
7/20/2017			Storms - no sample									
7/27/2017	10:55	26.9	7.03	382.6	8.94	0.053	0.030	111.33		115	N	N
8/3/2017	10:50	26.8	7.42	404.9		0.079	0.050				N	N
8/10/2017	10:55	24.4	6.92	370.3	8.97	0.048	0.111	92.20		7	N	N
8/17/2017	11:20	26.3	6.65	380.4	9.02	0.082	0.040	126.59		976	N	N
8/24/2017	12:05	21.9	6.73	304.6	8.61	0.048	0.111	58.30			N	N
8/31/2017	12:05	22.1	5.78	354.2	8.57	0.140	0.081	64.18		26	N	N
9/7/2017	12:45	17.9	6.88	741.7	6.01	0.077	0.040			224	N	Y
9/14/2017			Road closed - no sample									
9/21/2017	12:00	25.4	6.07	301.2	8.42	0.487	0.059	67.58			N	N
9/28/2017	11:40	21.4	8.14	202.0	8.25	0.546	0.054	41.42		504	N	N

Simonton Lake - 51330 SR 19

DATE	TIME	TEMP	DO	SPC	PH	NITRATES	PHOSPHORUS	CHLORIDES	TSS	E. COLI	RAINING	WET
5/4/2017	12:25	12.3	9.44	324.1	8.31	0.71	0.034	116.64			N	Y
5/11/2017	11:35	14.6	9.24	300.3	8.32	0.73	0.029	83.01		42	N	Y
5/18/2017	11:55	22.3	7.67	380.2	8.57	0.307	0.043	101.36			N	N
5/23/2017	11:05	18.4	7.82	490.4	8.41	0.371	0.054	107.81		26	N	N
5/30/2017	11:10	20.2	7.48	388.4	8.39	0.578	0.510	131.35			N	N
6/8/2017	11:15	22.7	7.31	415.7	8.43	0.308	0.046	102.99		65	N	N
6/15/2017	11:15			YSI not operational		0.121	0.018			164	N	N
6/22/2017	11:20	24.6	6.11	395.1	8.17	0.366	0.053	108.60		40	N	N
6/29/2017	11:05	22.3	8.31	402.9	8.45	0.292	0.061	102.95		46	N	N
7/6/2017	11:15			YSI not operational		0.211	4.050			3	N	N
7/13/2017	11:10	25.3	7.42	312.6		0.141	0.142			71	N	Y
7/20/2017				Storms - no sample								
7/27/2017	11:10	26.4	6.42	392.1	6.72	0.042	0.014	96.90		11	N	N
8/3/2017	11:00	25.8	8.07	375.9	8.31	0.161	0.040	108.47			N	N
8/10/2017	11:15	24.5	8.40	285.9	8.86	0.027	0.870	135.64		212	N	N
8/17/2017	11:30	26.1	7.82	389.5	8.41	0.168	0.050	150.41		4600	N	N
8/24/2017	12:15	22.4	6.27	306.4	8.58	0.027	0.870	83.40			N	N
8/31/2017	12:20	21.7	6.20	352.6	8.78	0.080	0.001	112.31		79	N	N
9/7/2017	1:00	18.8	6.31	741.9	8.88	0.090	0.052	100.86		869	N	Y
9/14/2017	11:30	19.5	6.06	203.7	8.78	0.052	0.252	87.62		27	N	N
9/21/2017	12:10	25.3	6.56	366.2	8.31	0.596	0.071	45.41			N	N
9/28/2017	11:55	21.3	7.55	229.7	8.36	0.610	0.098	91.21		348	N	N