

YELLOW CREEK - 67 - CONCORD HS

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	8:20	13.4	8.2	523	7.57	75.860	5.83	0.300			n
5/14/2019	8:20	8.7	9.70	472.2	7.87	60.4	5.790	0.520	11	3200	n
5/21/2019	8:25	10.5	13.6	770.0	7.42	69.6	6.260	0.594	15	1300	y
5/28/2019	8:50	16.2	8.11	391.1	7.49	40.71	5.15	1.45	160	63200	y
6/4/2019	8:25	14.3	7.22	372.4	7.68	236.06	1.960	1.35	21	1400	n
6/11/2019	8:30	13.9	6.87	580	7.8	121.59	3.81	0.763	14.3	4800	y
6/18/2019	8:40	15.9	5.7	603	7.78	69.53	4.87	10.00	15	1500	n
6/25/2019	8:10	16.8	6.48	581	7.68	57.72	4.38	0.575	21.7	1012	n
7/2/2019	8:05	19.1	4.27	711	7.78	82.62	3.65	0.512	14.3	1338	n
7/9/2019	8:10	17.5	6.41	648	8.43	100.970	3.58	0.499	18.5	1185	n
7/16/2019	8:05	19.2	4.04	520	7.72	65.990	2.420	0.512	8.83	1450	n
7/23/2019	8:10	19.8	4.24	394.7	8.47	168.440	8.97	1.15	65	6200	n
7/30/2019	8:05	17.8	5.12	531.0	8.57	125.950	3.15	0.502	7.33	3700	y
8/6/2019	8:10	18	5.03	972	8.18	227.800	0.025	0.299	5.13	700	y
8/15/2019	8:10	17.8	4.43	539	8.29	94.210	1.920	0.362	6.25	6000	y
8/20/2019	8:45	18.9	5.28	650	7.96	297.210			8.5	8400	n
8/27/2019	8:20	17.2	72.5	958	8.03	237.15	2.13	0.396	8.75	9500	y
9/3/2019	8:15	16.6	7.73	739	8.14	442.670	1.87	0.322	11.8	3100	n
9/10/2019	8:30	16.5	7.43	4428	8.04	313.43	1.82	0.269	7.33	1175	n
9/17/2019	8:15	16.6	5.92	961	8.33	189.52	1.61	0.338	49.8	860	n
9/24/2019	8:40	15.0	6.77	690	8.28	447.86	1.32	0.372	7.67	950	n

YELLOW CREEK - 66 - CR 138

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	8:41	13.3	8.95	715	7.73	160.30	11.90	0.889			n
5/14/2019	8:40	8.6	15.69	562	7.8	190.7	10.50	0.944	7	5900	n
5/21/2019	8:50	11	9.06	568	7.5	102.28	12.00	0.982	14	1000	y
5/28/2019	9:10	16.2	7.89	609	7.36	173.05	8.97	1.19	18	63200	y
6/4/2019	8:45	14.7	6.21	680	7.62	268.98	5.120	0.514	29.5	10200	n
6/11/2019	8:50	14.4	6.42	1124	7.59	171.81	8.440	1.57	12	3050	y
6/18/2019	9:00	16.7	5.16	617	7.68	116.43	10.100	1.17	5.75	6500	n
6/25/2019	8:30	17.6	5.30	706	7.62	186.02	9.38	0.74	27.7	1300	n
7/2/2019	8:20	20.6	4.15	848	7.77	277.90	11.200	0.86	13.75	1513	n
7/9/2019	8:30	18.6	5.96	813	7.85	324.87	10.300	1.06	158.5	2737	n
7/16/2019	8:25	21.6	3.23	955	7.67	364.80	2.420	0.512	28	4000	n
7/23/2019	8:30	18.5	4.23	869	7.49	356.50	20.100	1.39	19.25	15200	n
7/30/2019	8:25	20	4.83	1083	8.03	519.96	3.150	0.502	8.83	1200	n
8/6/2019	8:30	20.6	3.98	1113	8.07	586.43	8.550	1.41	42	2050	y
8/15/2019	8:35	19.2	5.47	461	8.19	368.11	7.240	2.85	4.5	4700	y
8/20/2019	9:15	20.8	4.16	650	7.96	297.21			25.75	6200	n
8/27/2019	8:45	19.1	5.86	797	8.10	642.90	5.440	2.67	26.7	12400	y
9/3/2019	8:40	18.3	4.21	1112	8.18	845.29	7.290	1.99	139	1630	n
9/10/2019	8:50	18	4.2	1131	7.92	855.08	7.450	2.3	36	420	n
9/17/2019	8:40	17.7	3.52	890	8.22	740.2	4.050	2.48	74.5	500	n
9/24/2019	9:00	15.9	3.24	1050	8.33	1107.35	3.690	2.26	35.2	530	n

WEAVER DITCH - 45 - CR 13

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	8:54	10.2	6.60	581	7.37	282.64	3.49	3.34			n
5/14/2019	8:55	10.1	5.37	785	7.41	563.80	3.11	7.22	262	117000	n
5/21/2019	9:03	11.5	4.53	811	7.14	291.00	3.98	4.66	154	40000	y
5/28/2019	9:20	14.3	7.12	342.4	7.07	456.37	0.602	1.96	67	63200	y
6/4/2019	9:00	13.8	4.11	888.0	7.20	717.15	1.71	2.53	294.7	40500	n
6/11/2019	9:00	14.6	5.5	1192.0	7.08	1351.91	2.21	3.5	1325	63200	y
6/18/2019	9:10	15	4.42	1193	7.16	1180.94	2.96	6.35	89	51000	n
6/25/2019	8:40	16.1	5.6	2261.0	7.19		1.260	4.25	76	41000	n
7/2/2019	8:30	17.2	4.42	1286.0	7.33	1341.77	1.92	5.69	544	127500	n
7/9/2019	8:40	17.8	5.36	2252.0	7.33	1320.19	1.64	6.07	49	99750	n
7/16/2019	8:40	19.7	4	407.0	7.41	370.1	1.72	5.15	336	820000	n
7/23/2019	8:40	18.4	3.32	1618.0	7.04	1339.71	1.06	9.26	438	880000	n
7/30/2019	8:40	18.7	3.29	2248.0	7.4	+++	1.03	11	348	1070000	y
8/6/2019	8:40	18.5	1.45	3102.0	7.3	+++	0.542	11	81	230000	y
8/15/2019	8:45	19.2	5.47	460.6	8.19	368.11	7.240	2.85	113	680000	y
8/20/2019	9:40	19.8	0.9	2097.0	7.15	++			23	460000	n
8/27/2019	9:00	19.1	3.35	2214.0	7.22	++++	2.26	8.49	37	1400000	y
9/3/2019	9:00	18.6	4.27	2053.0	7.22	+++	2.280	14.4	932	2900000	n
9/10/2019	9:05	18.3	0.88	1465.0	7.08	+++	0.766	8.14	115.5	670000	n
9/17/2019	8:50	18.1	1.10	2381.0	7.12	+++	0.837	9.67	496	2740000	n
9/24/2019	9:15	17.5	3.21	1781.0	7.19	+++	0.608	7.03	1256	680000	n

BERLIN COURT DITCH - 190 - CR 15

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	9:11	13.6	6.96	462.1	7.53	48.88	5.08	0.455			n
5/14/2019	9:15	9.1	10	424.6	7.37	53.2	4.88	0.527	4	550	n
5/21/2019	9:20	10.6	9.44	491.3	7.42	77.39	6.26	0.512	5	430	y
5/28/2019	9:40	17	8.77	341.5	7.31	39.93	3.42	1.26	56	8200	y
6/4/2019	9:15	15.1	7.3	571	7.48	318.52	2.73	1.56	15	350	n
6/11/2019	9:20	14.7	10.5	818	7.51	243.51	4.12	0.571	8	1950	y
6/18/2019	9:25	17.2	5.29	581	7.44	200.63	8.66	1.33	24.3	2400	n
6/25/2019	9:00	17.9	4.97	538	7.52	203.99	5.2	0.418	18.5	1120	n
7/2/2019	8:50	22.2	3.82	807	7.67	378.14	5.63	0.57	10.5	650	n
7/9/2019	9:00	19.6	4.63	610	7.75	277.05	6.34	0.522	7.17	410	n
7/16/2019	8:55	21.7	2.44	811	7.49	410.29	5.37	0.591	21.5	144	n
7/23/2019	9:00	17.6	4.16	762	7.77	298.86	3.92	0.868	4.38	219	n
7/30/2019	9:00	20.4	4.81	997	7.95	983.2	10.8	0.754	5.5	176	y
8/6/2019	9:00	21.2	2.74	976	7.98	788.87	6.64	0.678	4.63	94	y
8/15/2019	9:05	19.9	2.48	591	8.11	608.66	3.1	1.03	49.5	170	y
8/20/2019	10:10	22.8	2.47	124.1	7.75	469.87			1.88	64	n
8/27/2019	9:20	20.1	4.96	716	8.18	716.67	8.69	0.767	2.88	840	y
9/3/2019	9:20	18.1	3.27	1344	8.09	1093.38	11	1.06	39.5	113	n
9/10/2019	9:25	17.9	3.84	1174	7.89	1146.98	17.2	0.826	4.63	48	n
9/17/2019	9:15	17.6	3.19	545	8.25	232.66	4.02	0.799	6	46	n
9/24/2019	9:35	15	4.65	927	8.28	1410.95	15.3	0.683	102	100	n

TURKEY CREEK - 83 - CR 50

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	9:24	14.3	9.24	472.9	7.77	35.5	2.58	0.137			n
5/14/2019	9:30	10.7	8.91	433.1	7.78	32.97	0.87	0.137	9	206	n
5/21/2019	9:35	12.9	10.1	474.0	7.68	45.88	2.79	0.172	12	264	y
5/28/2019	9:50	17.6	7.35	443.2	7.47	65.15	3.74	0.707	56	6600	y
6/4/2019	9:30	17.6	5.85	519.0	7.78	45.04	1.19	1.58	15	128	n
6/11/2019	9:30	15.9	6.3	543.0	7.78	128.98	2.360	0.259	11.6	200	y
6/18/2019	9:40	16.7	5.39	600.0	7.71	56.4	2.78	0.281	10.2	200	n
6/25/2019	9:10	18.9	4.27	539.0	7.73	54.00	3.33	0.18	20.3	370	n
7/2/2019	9:00	22.3	4.11	610.0	7.84	75.22	2.07	0.295	12.2	255	n
7/9/2019	9:15	21.6	5.66	559.0	7.64	70.74	1.62	0.154	15.3	402	n
7/16/2019	9:10	24	2.74	477.7	7.58	150.93	1.5	0.189	10.8	390	n
7/23/2019	9:15	18.6	4.24	544.0	7.63	122.73	2.180	0.215	10.5	260	n
7/30/2019	9:10	19.8	4.55	352.1	7.97	132.31	2.600	0.281	3.38	270	y
8/6/2019	9:10	21.5	4.81	771.0	8.14	131.80	0.264	0.2	3.13	124	y
8/15/2019	9:20	19.9	2.48	591.0	8.11	608.66	3.100	1.03	7.5	204	y
8/20/2019	10:35	22.3	4.71	721.0	8.01	229.35			4.13	240	n
8/27/2019	9:40	20.6	4.86	521.0	8.22	230.04	2.230	0.165	51	530	y
9/3/2019	9:35	19.1	6.69	600.0	8.19	269.4	2.200	0.291	4.13	240	n
9/10/2019	9:40	18.4	6.76	934.0	8.04	291.02	2.630	0.124	2.75	218	n
9/17/2019	9:30	19	6.24	568.0	8.35	284.66	2.050	0.193	2.75	240	n
9/24/2019	9:50	17.4	5.78	587.0	8.34	495.84	2.300	0.184	2.63	270	n

DAUSMAN DITCH - 181 - CR 19

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	9:34	12.1	2.74	576	7.53	169.34	6.34	4.310			n
5/14/2019	9:40	9.3	9.73	515	7.71	116.7	4.52	0.940	6	1440	n
5/21/2019	9:40	10.4	8.78	507	7.47	55	10.30	1.380	27	440	y
5/28/2019	10:00	15.7	9.01	491.3	7.34	50.91	7.650	4.9	64	16300	y
6/4/2019	9:40	14.3	6.99	620	7.51	118.14	8.530	1.36	9.75	900	n
6/11/2019	9:40	14.5	6.21	613	7.56	151.35	7.220	1.42	10	9000	y
6/18/2019	9:50	16.2	5.36	659	7.62	145.57	12.100	0.816	11	594	n
6/25/2019	9:20	16.7	4.74	1163.0	7.59	78.42	11.100	0.83	22.5	450	n
7/2/2019	9:10	19.8	6.09	2141.0	7.71	217.01	9.260	0.758	7.25	1350	n
7/9/2019	9:20	18.1	6.41	904	7.4	91.28	12.500	0.957	26	1120	n
7/16/2019	9:20	19.1	3.88	652	7.25	174.30	6.690	0.693	113	3300	n
7/23/2019	9:20	16.1	4.29	587.0	7.45	275.34	5.720	1.05	103	5700	n
7/30/2019	9:20	16.1	5.69	660.0	7.8	243.46	3.650	0.592	19	3200	y
8/6/2019	9:20	15.6	4.59	805.0	8.02	271.34	0.110	0.367	14.5	995	y
8/15/2019	9:20	21.3	5.24	537	8.19	170.78	1.440	0.207	17	1400	y
8/20/2019	10:50	19.6	4.77	579	7.54	282.91			12	6000	n
8/27/2019	9:50	17.2	5.27	734	7.93	501.87	2.720	2.02	74.5	63200	n
9/3/2019	9:45	14.7	5.59	1041.0	8.08	230.26	3.650	0.757	194	2300	n
9/10/2019	9:50	15.2	6.04	518	7.87	241.80	3.650	0.512	92	780	n
9/17/2019	9:35	15.2	4.45	278	8.01	137.18	3.680	0.905	10.5	640	n
9/24/2019	10:00	13.1	5.57	486.7	8.11	325.67	4.110	0.279	35	800	n

SWOVELAND DITCH - 91 - CR 19

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	9:42	11.8	9.67	466.8	7.83	54.8	9.77	0.841			n
5/14/2019	9:50	8.8	13.30	502	7.79	43.40	10.80	0.604	8	570	n
5/21/2019	9:50	9.8	13.13	461.9	7.72	69.38	12.80	0.429	12	500	y
5/28/2019	10:10	16	8.54	431	7.44	126.02	7.2	0.918	33	2100	y
6/4/2019	9:45	14	10.19	555	7.7	54.62	1.31	1.94	12.6	725	n
6/11/2019	9:50	14.5	6.4	839	7.5	280.60	13.700	2.06	9.25	2450	y
6/18/2019	9:55	16.6	5.05	665	7.71	155.61	13.4	0.656	8.3	105	n
6/25/2019	9:30	17	4.65	663	7.66	58.84	13.5	0.651	16	1160	n
7/2/2019	9:15	21.6	6.29	756	7.78	220.73	13.2	0.502	12.3	985	n
7/9/2019	9:30	18.7	8.92	622	7.39	84.54	9.770	0.629	18.5	660	n
7/16/2019	9:30	22.3	3.23	787	7.33	194.93	12.300	0.481	148	1180	n
7/23/2019	9:30	17.7	3.09	78	7.44	277.90	15.2	1.57	10.3	590	n
7/30/2019	9:30	20.1	4.82	852.0	7.78	354.68	10.40	0.769	22	620	y
8/6/2019	9:30	19.2	2.18	793	7.86	298.71	6.83	0.563	12.8	565	y
8/15/2019	9:30	16	4.11	437	8.05	322.63	3.120	0.923	48.5	62000	y
8/20/2019	11:05	21.7	4.73	797	8.04	374.51			12.3	2300	n
8/27/2019	10:00	19.5	5.23	634	8	542.89	7.240	2.5	85.5	63200	y
9/3/2019	10:00	18.2	9.04	903	8	672.08	9.66	1	73	1200	n
9/10/2019	10:00	16.2	1.23	8	7.68	299.97	4.040	1.15	6.17	680	n
9/17/2019	9:50	18.1	2.46	793	8.24	529.46	4.810	1.09	5.63	440	n
9/24/2019	10:10	16.4	5.03	655.0	8.17	709.91	0.426	0.924	7.67	263	n

ELKHART RIVER -24 - BAINTERTOWN

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	9:52	15.6	4.53	475.6	7.80	27.47	1.82	0.115			n
5/14/2019	10:00	11.0	9.5	414.9	7.93	23.4	2.33	0.166	2	149	n
5/21/2019	10:00	13.0	9.47	425.2	7.8	35.4	1.89	0.192	10	92	y
5/28/2019	10:20	19.4	7.18	517	7.75	48.34	1.81	0.247	4	762	y
6/4/2019	9:55						8.84	1.24	10.5	82	n
6/11/2019	10:00	18	5.08	510.0	7.91	44.44	1.67	0.391	9.75	460	y
6/18/2019	10:05	18.5	4.7	484.2	7.86	41.55	2	0.349	6.7	167	n
6/25/2019	9:40	19.9	3.83	522.0	7.62	42.75	1.81	0.333	6	465	n
7/2/2019	9:30	24.5	4.36	568.0	7.84	102.49	1.340	0.334	5.83	440	n
7/9/2019	9:40	21.3	5.06	412.7	7.5	19.03	2.350	0.372	12.75	210	n
7/16/2019	9:40	24.4	3.01	643.0	7.42	34.62	1.56	0.397	9.67	180	n
7/23/2019	9:40	21.2	3.4	544.0	7.64	41.47	1.96	0.523	11.5	1100	n
7/30/2019	9:40	22.3	4.63	566.0	8	75.8	1.48	0.4	16.5	212	y
8/6/2019	9:40	22.9	4.24	602.0	8.21	96.34	0.189	0.33	24	162	y
8/15/2019	9:50	22.1	4.67	549.0	8.29	72.12	1.67	0.334	11.5	320	y
8/20/2019	11:15	23.4	4.84	538.0	8.28	131.56			27.75	470	n
8/27/2019									8.67	120	y
9/3/2019							1.51	0.25	6.13	224	n
9/10/2019	10:15	19	6.05	531.0	8.1	103.41	1.38	0.21	408	290	n
9/17/2019	10:05	20	0.74	575.0	8.26	119.78	1.42	0.269	7.83	262	n
9/24/2019	10:25	18.3	4.55	732	8.35	208.33	1.21	0.258	15.75	250	n

ROCK RUN CREEK - 20 - CR 34

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	10:10	11.8	9.18	564	7.78	61.21	5.69	0.253			n
5/14/2019	10:20	8.9	14.09	424.5	7.95	30.93	Sample Spilled		3	480	n
5/21/2019	10:20	9.8	22.83	516	7.78	103.26	6.3	0.243	4	360	y
5/28/2019	10:40	16.6	9.06	497.8	7.64	41.62	3.81	1.06	35	6300	n
6/4/2019	10:30	13.6	8.52	505	7.62	106.72	2.64	3.19	17.66	1543	n
6/11/2019	10:30	13.3	7.33	487.7	7.77	116.26	5.65	0.421	11.5	600	y
6/18/2019	10:30	15.1	5.6	992	7.71	108.5	5.56	0.388	12.2	535	n
6/25/2019	10:00	15.9	5.17	562	7.76	73.22	5.25	0.733	16.5	1520	n
7/2/2019	9:50	18.3	7.64	622	7.85	200.5	6.44	0.24	8.6	740	n
7/9/2019	10:05	16.2	7.16	654	7.61	95.14	6.6	0.193	5.38	1195	n
7/16/2019	10:05	18.8	8.49	660	7.64	155.44	6.7	0.27	8.5	620	n
7/23/2019	10:05	15.5	4.62	589	7.98	59.91	6.41	0.324	10.83	760	n
7/30/2019	10:00	17.4	5.47	648	7.97	219.87	6.64	0.25	9.5	650	y
8/6/2019	10:00	17.8	5.77	531	8.12	149.39	7.18	0.22	8.5	1120	y
8/15/2019	10:15	17.4	6.38	661	8.23	243.82	7.36	0.258	4.33	1415	y
8/20/2019	11:40	19.4	7.69	658	8.19	235.11			5.625	1120	n
8/27/2019	10:40	17.8	7.04	294.3	8.17	103.58	6.53	0.309	6.33	1400	y
9/3/2019											
9/10/2019	10:40	16.7	8.21	637	8.04	208.85	7.49	0.185	86.5	840	n
9/17/2019	10:25	16	7.55	674	8.28	125.99	7.26	0.257	5	540	n
9/24/2019	10:50	14.1	7.51	588	8.34	306.26	7.29	0.224	9.5	425	n

ELKHART RIVER - 22 - INDIANA AVE

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	10:30	16.1	8.68	470.7	7.97	98.87	2.14	0.164			n
5/14/2019	10:35	11.1	15.5	425.1	8.09	37.96	1.71	0.188	4	82	n
5/21/2019	10:30	14.1	10.81	481.5	7.87	43.52	2.37	0.229	6	90	y
5/28/2019	10:50	19.1	8.13	546	7.78	150.05	2.32	0.27	7	170	y
6/4/2019	10:45	18.1	8.29	463	7.89	131.76	0.974	0.951	7.5	130	n
6/11/2019	10:45	18.4	5.30	476.9	7.93	175.5	1.7	0.358	7.75	480	y
6/18/2019	10:45	18.3	4.52	535	7.91	124.86	2.590	0.726	7	2900	n
6/25/2019	10:15	20.1	4.31	478.5	7.86	86.03	2.25	0.314	11.5	1020	n
7/2/2019	10:00	24.4	4.78	595	7.92	190.72	1.47	0.364	7	150	n
7/9/2019	10:15	22.4	5.5	549	7.62	86.32	2.570	0.362	9.6	125	n
7/16/2019	10:15	24.7	3.51	598	7.81	138.32	1.430	0.358	7.5	96	n
7/23/2019	10:20	21.7	2.8	642	7.8	148.78	2.23	0.555	11	600	n
7/30/2019	10:15	22.6	4.2	726	8.04	203.38	1.61	0.423	6.17	64	y
8/6/2019	10:20	23.1	4.74	508	8.71	236.3	1.54	0.318	4.25	56	y
8/15/2019	10:30	22.7	5.08	559	8.13	177.27	1.86	0.296	4.33	224	y
8/20/2019											
8/27/2019	11:05	20	5.84	430.2	8.24	174.3	1.270	0.256	4.38	98	n
9/3/2019											
9/10/2019	10:50	18.6	7.28	495.4	8.12	261.79	1.33	0.187	3.13	80	n
9/17/2019	10:40	20.0	6.02	557	8.32	231.19	1.380	0.258	2.25	61	n
9/24/2019	11:10	19.9	5.55	525	8.32	364.48	1.24	0.24	3.13	34	n

PINE CREEK - 30 - WYLAND AND ROSKE

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	11:05	12.6	11.05	522	8.17	85.02	3.27	0.139			n
5/14/2019	11:10	10.4	11.12	502	8.04	39.66	3.11	0.124	16	210	n
5/21/2019	11:10	10.5	10.58	507	7.95	55.58	3.59	0.125	11	370	y
5/28/2019	11:35	16.8	8.23	456.0	7.76	41.92	2.21	0.446	92	8400	y
6/4/2019	11:35	13.5	13.21	371.8	7.93	129.65	1.29	0.702	20.3	655	n
6/11/2019	11:25	14.1	6.37	602.0	8.03	100.57	3.210	0.383	17.8	1050	y
6/18/2019	11:10	15.5	5.51	560.0	7.95	82.91	3.24	0.412	23.3	420	n
6/25/2019	10:40	15.6	5.55	215.5	7.97	77.22	3.11	0.308	32	720	n
7/2/2019	10:20	17.4	6.74	762.0	7.99	203.49	2.49	0.288	32	955	n
7/9/2019	10:30	15.9	7.69	507.0	7.62	95.08	3.64	0.204	17.3	925	n
7/16/2019	10:45	17.7	4.83	584.0	7.95	79.23	3.81	0.224	43	800	n
7/23/2019	10:40	16.1	4.03	580.0	7.84	110.17	3.1	0.357	25	2800	n
7/30/2019	10:35	16.8	5.42	606.0	8.05	206.9	3.42	0.251	15.7	3700	y
8/6/2019	10:40	17.3	5.63	358.0	8.23	193.52	0.051	0.251	41	2900	y
8/15/2019	10:50	17	6.51	537.0	8.3	113.02	3.49	0.202	12.3	1610	y
8/20/2019											
8/27/2019	11:25	17	8.03	561.0	8.22	367.56	3.47	0.235	15.7	1600	y
9/3/2019										2900	n
9/10/2019	11:15	16.8	7.63	481.0	8.09	164.9	3.790	0.156	15.3	440	n
9/17/2019	11:00	16.0	7.52	497.4	8.34	172.19	3.370	0.218	14.2	1015	n
9/24/2019	11:35	15.3	7.42	394.7	8.42	368.7	3.260	0.209	9.5	760	n

SIMONTON LAKE - 7 - 51330 SR 19

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	11:35	15.2	8.77	305.7	8.21	33.68	0.914	0.037			n
5/14/2019	11:40	14.6	8.44	330.6	8.09	24.86	0.41	0.036	3	1	n
5/21/2019	11:45	15.8	11.72	342	8.14	38.05	0.905	0.059	1	11	y
5/28/2019	12:00	20.6	7.06	388.6	8.1	35.09	0.746	0.10	3	101	y
6/4/2019	12:05	21.4	7.51	411.3	8.28	58.99	0.984	1.68	2.4	5	n
6/11/2019	11:55	21.8	4.25	380.6	8.36	43.52	0.559	0.218	5	11	y
6/18/2019	12:00	21.5	4.15	394.9	8.04	58.860	0.731	0.134		57	n
6/25/2019	11:30	23.3	3.71	221.3	8.19	71.47	0.577	0.34		26	n
7/2/2019	11:10	28.3	3.4	441.5	8.21	92	0.553	0.113		15	n
7/9/2019	11:25	27.2	4.1	404.6	7.94	26.24	0.471	0.079		13	n
7/16/2019	11:30	27.7	3.44	428.9	7.89	86.270	0.460	0.093		13	n
7/23/2019	11:30	25.8	2.52	385.6	8.05	42.47	0.372	0.152		26	n
7/30/2019	11:35	26.1	3.65	491.5	8.24	62.15	0.42	0.123		20	y
8/6/2019	11:25	25.6	4.21	147.9	8.47	160.21	0.26	0.16		37	y
8/15/2019	11:45	25.1	4.57	374.8	8.65	87.03	0.266	0.065		65	y
8/20/2019											
8/27/2019	12:05	22.9	5.05	360.7	8.5	80.18	0.307	0.079		38	y
9/3/2019											
9/10/2019	11:45	22.1	7.03	351.3	8.39	98.32	0.226	0.064		102	n
9/17/2019	11:45	22.3	5.3	343.1	8.66	109.99	0.136	0.098		236	n
9/24/2019	12:00	21.8	5.46	355.8	8.72	168.51	0.183	0.085		29	n

CHRISTIANA CREEK - 50 - CR 4

DATE	TIME	TEMP	DO	SPC	PH	CHLORIDES	NITRATES	PHOSPHORUS	TSS	E. COLI	WET
5/7/2019	11:40	14.7	10.68	347.1	8.19	23.67	1.24	0.037			n
5/14/2019	11:50	13.4	12.07	330.7	8.3	17.13	1.2	0.025	1	30	n
5/21/2019	11:50	14.8	11.64	363.1	8.09	22.58	1.25	0.067	2	56	y
5/28/2019	12:05	20.1	7.88	410	8.09	25.28	1.200	0.077	3	69	y
6/4/2019	12:10	19.8	8.05	331.4	8.07	17.45	0.969	1.84	1.5	64	n
6/11/2019	12:05	20.4	4.2	407.2	8.14	33.13	0.891	0.215	14.5	100	y
6/18/2019	12:05	20.3	4.26	403.7	8.07	17.6	1.050	0.177	6.38	171	n
6/25/2019	11:35	21.8	4.48	428.9	8.05	60.23	0.906	0.042	14.75	180	n
7/2/2019	11:15	26.4	4.77	466.8	8.04	33.66	0.905	0.128	5.5	146	n
7/9/2019	11:40	24.9	4.73	495	7.94	19.12	0.985	0.119	6.5	147	n
7/16/2019	11:40	25.3	4.33	428.4	8.01	41.28	1.19	0.012	7.17	226	n
7/23/2019	11:35	23.4	2.74	449.8	7.98	21.56	1.08	0.157	6.75	288	n
7/30/2019	11:40	23.7	3.86	491.5	8.21	48.01	1.27	0.143	4.83	176	y
8/6/2019	11:30	23.4	4.75	386.2	8.28	47.64	1.15	0.136	6.5	2900	y
8/15/2019	11:55	23.2	4.84	432.6	8.42	41.84	1.65	0.103	2	264	y
8/20/2019											
8/27/2019	12:10	22.7	9.1	434.1	8.33	51.14	1.070	0.132	1.63	176	y
9/3/2019											
9/10/2019	12:00	20.7	8.67	437.5	8.23	61.4	1.1	0.09	2.5	140	n
9/17/2019	11:50	21.1	6.23	440.7	8.43	68.64	0.872	0.115	3.63	200	n
9/24/2019	12:10	19.7	6.54	202	8.50	101.97	0.988	0.101	3	228	n

Water Quality Targets

Parameter	Target	Source
Dissolved Oxygen	> 6 mg/L and not > 9 mg/L	327 IAC 2-1-6/US EPA recommendation
Temperature	40-85 degrees F (4.4 – 29.4 C)	MI – R.323.1075
<i>Escherichia coli</i>	< 235 CFU/100 ml per single sample and < 125 CFU/100 ml per the geometric mean of 5 equally spaced samples over a 30 day period	327 IAC 2-1.5-8
Turbidity	< 10.4 NTU	US EPA recommendation (2000)
Total Dissolved Solids	< 750 mg/L	MI – R.323.1051 / 327 IAC 2-1-6
Total Suspended Solids	< 25 mg/L	US EPA recommendation
Total Phosphorus	< 0.3 mg/L	IDEM 303d listing criteria
Nitrate	< 1.5 mg/L	US EPA reference level (2000)
Nitrate-Nitrite	< 1.5 mg/L	Dodds et al. (1998)
TKN	<0.076 mg/L	Dodds et al. (1998)
Biological Oxygen Demand	< 50%	Hoosier Riverwatch Protocol
pH	> 6 or < 9	327 IAC 2-1-6
macroinvertebrate Index of Biotic Integrity (mIBI)	>23 points / >36 points	Hoosier Riverwatch Protocol / IDEM (2008)
Qualitative Habitat Evaluation Index (QHEI)	> 51 pts	IDEM (2008)
Index of Biotic Integrity (IBI) (fish)	≥ 36 points	IDEM (2006)

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 5-14-2019

WET /

DRY

ANALYST(S): LMH/TT

PROCEDURE: Coliscan Membrane Filtration / TSS

INCUBATION TIME IN: 3:00 PM

INCUBATION TEMPERATURE: 44.5

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-602	8:20AM	11	3200
YELLOW CREEK CR 138	66	2019-603	8:40AM	7	5900
WEAVER DITCH CR13	45	2019-604	8:55AM	262	117,000
BERLIN COURT DITCH CR15	190	2019-605	9:15AM	4	550
TURKEY CREEK CR50	83	2019-606	9:30AM	9	206
DAUSMAN DITCH CR19	181	2019-624	9:40AM	6	1440
SWOVELAND DITCH CR19	91	2019-625	9:50AM	8	570
ELKHART RIVER BAINERTOWN	24	2019-626	10:00AM	2	149
ROCK RUN CREEK CR34	20	2019-627	10:20AM	3	480
ELKHART RIVER INDIANA AVE	22	2019-628	10:35AM	4	82
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-629	11:00AM	7	188
PINE CREEK WYLAND & ROSKE	30	2019-630	11:10AM	16	210
HEATON LAKE IDEAL BEACH	4	2019-631	11:25AM	1	14
SIMONTON LAKE SR 19	7	2019-632	11:40AM	3	1
CHRISTIANA CREEK CR4	50	2019-633	11:50AM	1	30

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 5-21-2019

WET

~~DRY~~

ANALYST(S): BA/LMH/TT

PROCEDURE: Coliscan Membrane Filtration / TSS

INCUBATION TIME IN: 2:30 PM

INCUBATION TEMPERATURE: 44.5

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-634	8:25AM	15	1300
YELLOW CREEK CR 138	66	2019-635	8:50AM	14	1000
WEAVER DITCH CR18	45	2019-636	9:03AM	154	40,000
BERLIN COURT DITCH CR15	190	2019-637	9:20AM	5	430
TURKEY CREEK CR50	83	2019-638	9:35AM	12	264
DAUSMAN DITCH CR19	181	2019-639	9:40AM	27	440
SWOVELAND DITCH CR19	91	2019-640	9:50AM	12	500
ELKHART RIVER BAINTERTOWN	24	2019-641	10:00AM	10	92
ROCK RUN CREEK CR34	20	2019-642	10:20AM	4	360
ELKHART RIVER INDIANA AVE	22	2019-643	10:30AM	6	90
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-644	11:00AM	9	290
PINE CREEK WYLAND & ROSKE	30	2019-645	11:10AM	11	370
HEATON LAKE IDEAL BEACH	4	2019-646	11:30AM	2	7
SIMONTON LAKE SR 19	7	2019-647	11:45AM	1	11
CHRISTIANA CREEK CR4	50	2019-648	11:50AM	2	56

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 5-28-2019

ANALYST(S): AP/TL

PROCEDURE: Coliscan Membrane Filtration / TSS

INCUBATION TIME IN: 2:10 PM

INCUBATION TEMPERATURE: 44.5

WET / DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-649	8:50 AM	160	**
YELLOW CREEK CR 138	66	2019-650	9:10 AM	18	**
WEAVER DITCH CR13	45	2019-853	9:20 AM	67	**
BERLIN COURT DITCH CR15	190	2019-854	9:40 AM	56	8200
TURKEY CREEK CR50	83	2019-855	9:50 AM	56	6600
DAUSMAN DITCH CR19	181	2019-856	10:00 AM	64	16300
SWOVELAND DITCH CR19	91	2019-857	10:10 AM	33	2100
ELKHART RIVER BAINERTOWN	24	2019-858	10:20 AM	4	762
ROCK RUN CREEK CR34	20	2019-859	10:40 AM	35	6300
ELKHART RIVER INDIANA AVE	22	2019-860	10:50 AM	7	170
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-861	11:20 AM	6	248
PINE CREEK WYLAND & ROSKE	30	2019-862	11:35 AM	92	8400
HEATON LAKE IDEAL BEACH	4	2019-863	11:50 AM	13	5100
SIMONTON LAKE SR 19	7	2019-864	12:00 PM	3	101
CHRISTIANA CREEK CR4	50	2019-865	12:05 PM	3	69

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 6-4-2019

ANALYST(S): TL

PROCEDURE: Coliscan Membrane Filtration / TSS

INCUBATION TIME IN: 2:40 PM

INCUBATION TEMPERATURE: 44.5

WET

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-867	8:25 AM	*	1400
YELLOW CREEK CR 138	66	2019-872	8:45 AM	*	10200
WEAVER DITCH CR13	45	2019-866	9:00 AM	*	40500
BERLIN COURT DITCH CR15	190	2019-873	9:15 AM	*	350
TURKEY CREEK CR50	83	2019-871	9:30 AM	*	128
DAUSMAN DITCH CR19	181	2019-869	9:40 AM	*	900
SWOVELAND DITCH CR19	91	2019-878	9:45 AM	*	725
ELKHART RIVER BAINERTOWN	24	2019-870	9:55 AM	*	82
ROCK RUN CREEK CR34	20	2019-880	10:30 AM	*	1543
ELKHART RIVER INDIANA AVE	22	2019-868	10:45 AM	*	130
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-879	11:20 AM	*	600
PINE CREEK WYLAND & ROSKE	30	2019-874	11:35 AM	*	655
HEATON LAKE IDEAL BEACH	4	2019-877	11:50 AM	*	72
SIMONTON LAKE SR 19	7	2019-876	12:05 PM	*	5
CHRISTIANA CREEK CR4	50	2019-875	12:10 PM	*	64

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 6-11-2019
 ANALYST(S): LMH
 PROCEDURE: Coliscan Membrane Filtration
 INCUBATION TIME IN: 1:55 PM
 INCUBATION TEMPERATURE: 44.5

(WET) / DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-881	8:30 AM	*	4800
YELLOW CREEK CR 138	66	2019-882	8:50 AM	*	3050
WEAVER DITCH CR13	45	2019-883	9:00 AM	*	**
BERLIN COURT DITCH CR15	190	2019-884	9:20 AM	*	1950
TURKEY CREEK CR50	83	2019-885	9:30 AM	*	200
DAUSMAN DITCH CR19	181	2019-886	9:40 AM	*	9000
SWOVELAND DITCH CR19	91	2019-887	9:50 AM	*	2450
ELKHART RIVER BAIN TERTOWN	24	2019-888	10:00 AM	*	460
ROCK RUN CREEK CR34	20	2019-889	10:30 AM	*	600
ELKHART RIVER INDIANA AVE	22	2019-890	10:45 AM	*	480
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-891	11:05 AM	*	500
PINE CREEK WYLAND & ROSKE	30	2019-892	11:25 AM	*	1050
HEATON LAKE IDEAL BEACH	4	2019-893	11:35 AM	*	390
SIMONTON LAKE SR 19	7	2019-896	11:55 PM	*	11
CHRISTIANA CREEK CR4	50	2019-897	12:05 PM	*	100

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 6-18-2019

WET /

DRY

ANALYST(S): BA

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 2:00 PM

INCUBATION TEMPERATURE: 44.5

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1081	8:40 AM	*	1500
YELLOW CREEK CR 138	66	2019-1082	9:00 AM	*	6500
WEAVER DITCH CR13	45	2019-1083	9:10 AM	*	51000
BERLIN COURT DITCH CR15	190	2019-1084	9:25 AM	*	2400
TURKEY CREEK CR50	83	2019-1085	9:40 AM	*	200
DAUSMAN DITCH CR19	181	2019-1086	9:50 AM	*	594
SWOVELAND DITCH CR19	91	2019-1087	9:55 AM	*	105
ELKHART RIVER BAINERTOWN	24	2019-1088	10:05 AM	*	167
ROCK RUN CREEK CR34	20	2019-1089	10:30 AM	*	535
ELKHART RIVER INDIANA AVE	22	2019-1090	10:45 AM	*	2900
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1091	11:25 AM	*	300
PINE CREEK WYLAND & ROSKE	30	2019-1092	11:10 AM	*	420
HEATON LAKE IDEAL BEACH	4	2019-1093	11:40 AM	*	2000
SIMONTON LAKE SR 19	7	2019-1094	12:00 PM	*	57
CHRISTIANA CREEK CR4	50	2019-1095	12:05 PM	*	171

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 6-24-2019
 ANALYST(S): AP
 PROCEDURE: Coliscan Membrane Filtration
 INCUBATION TIME IN: 1:45 PM
 INCUBATION TEMPERATURE: 44.5

WET

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1096	8:40 AM	*	1012
YELLOW CREEK CR 138	66	2019-1097	9:00 AM	*	1300
WEAVER DITCH CR13	45	2019-1098	9:10 AM	*	41000
BERLIN COURT DITCH CR15	190	2019-1099	9:25 AM	*	1120
TURKEY CREEK CR50	83	2019-1100	9:40 AM	*	370
DAUSMAN DITCH CR19	181	2019-1101	9:50 AM	*	450
SWOVELAND DITCH CR19	91	2019-1102	9:55 AM	*	1160
ELKHART RIVER BAINERTOWN	24	2019-1103	10:05 AM	*	465
ROCK RUN CREEK CR34	20	2019-1104	10:30 AM	*	1520
ELKHART RIVER INDIANA AVE	22	2019-1105	10:45 AM	*	1020
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1106	11:25 AM	*	640
PINE CREEK WYLAND & ROSKE	30	2019-1107	11:10 AM	*	720
HEATON LAKE IDEAL BEACH	4	2019-1108	11:40 AM	*	64
SIMONTON LAKE SR 19	7	2019-1109	12:00 PM	*	26
CHRISTIANA CREEK CR4	50	2019-1110	12:05 PM	*	180

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 7-2-2019

WET /

DRY

ANALYST(S): TL

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:35 PM

INCUBATION TEMPERATURE: 44.5

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1111	8:05 AM	*	1338
YELLOW CREEK CR 138	66	2019-1112	8:20 AM	*	1513
WEAVER DITCH CR18	45	2019-1113	8:30 AM	*	127500
BERLIN COURT DITCH CR15	190	2019-1114	8:50 AM	*	650
TURKEY CREEK CR50	83	2019-1115	9:00 AM	*	255
DAUSMAN DITCH CR19	181	2019-1116	9:10 AM	*	1350
SWOVELAND DITCH CR19	91	2019-1117	9:15 AM	*	985
ELKHART RIVER BAINTEERTOWN	24	2019-1118	9:30 AM	*	440
ROCK RUN CREEK CR34	20	2019-1119	9:50 AM	*	740
ELKHART RIVER INDIANA AVE	22	2019-1120	10:00 AM	*	150
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1121	10:30 AM	*	250
PINE CREEK WYLAND & ROSKE	30	2019-1122	10:20 AM	*	955
HEATON LAKE IDEAL BEACH	4	2019-1123	10:50 AM	*	344
SIMONTON LAKE SR 19	7	2019-1124	11:10 PM	*	15
CHRISTIANA CREEK CR4	50	2019-1125	11:15 PM	*	146

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 7-9-2019
 ANALYST(S): LMH/TL
 PROCEDURE: Coliscan Membrane Filtration
 INCUBATION TIME IN: 2:00 PM
 INCUBATION TEMPERATURE: 44.5

WET /

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-898	8:10 AM	*	1185
YELLOW CREEK CR 138	66	2019-899	8:30 AM	*	2737
WEAVER DITCH CR13	45	2019-900	8:40 AM	*	99750
BERLIN COURT DITCH CR15	190	2019-1126	9:00 AM	*	410
TURKEY CREEK CR50	83	2019-1127	9:15 AM	*	402
DAUSMAN DITCH CR19	181	2019-1128	9:20 AM	*	1120
SWOVELAND DITCH CR19	91	2019-1129	9:30 AM	*	660
ELKHART RIVER BAINERTOWN	24	2019-1130	9:40 AM	*	210
ROCK RUN CREEK CR34	20	2019-1271	10:05 AM	*	1195
ELKHART RIVER INDIANA AVE	22	2019-1272	10:15 AM	*	125
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1273	10:50 AM	*	252
PINE CREEK WYLAND & ROSKE	30	2019-1274	10:30 AM	*	925
HEATON LAKE IDEAL BEACH	4	2019-1275	11:10 AM	*	960
SIMONTON LAKE SR 19	7	2019-1276	11:25 AM	*	13
CHRISTIANA CREEK CR4	50	2019-1277	11:40 AM	*	147

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 7-16-2019
ANALYST(S): BA
PROCEDURE: Coliscan Membrane Filtration
INCUBATION TIME IN: 2:55 PM
INCUBATION TEMPERATURE: 44.5

WET / DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1341	8:05am	*	1450
YELLOW CREEK CR 138	66	2019-1342	8:25am	*	4000
WEAVER DITCH CR13	45	2019-1343	8:40am	*	820000
BERLIN COURT DITCH CR15	190	2019-1344	8:55am	*	144
TURKEY CREEK CR50	83	2019-1345	9:10am	*	390
DAUSMAN DITCH CR19	181	2019-1346	9:20am	*	3300
SWOVELAND DITCH CR19	91	2019-1347	9:30am	*	1180
ELKHART RIVER BAINBERTOWN	24	2019-1348	9:40am	*	180
ROCK RUN CREEK CR34	20	2019-1349	10:05am	*	620
ELKHART RIVER INDIANA AVE	22	2019-1350	10:15am	*	96
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1351	11:00am	*	212
PINE CREEK WYLAND & ROSKE	30	2019-1352	10:45am	*	800
HEATON LAKE IDEAL BEACH	4	2019-1353	11:20am	*	32
SIMONTON LAKE SR 19	7	2019-1354	11:30am	*	13
CHRISTIANA CREEK CR4	50	2019-1355	11:40am	*	226

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 7-23-2019

WET /

DRY

ANALYST(S): AP

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:55 PM

INCUBATION TEMPERATURE: 44.5

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1356	8:05	*	6200
YELLOW CREEK CR 138	66	2019-1357	8:30	*	15200
WEAVER DITCH CR13	45	2019-1358	8:40	*	880000
BERLIN COURT DITCH CR15	190	2019-1359	9:00	*	219
TURKEY CREEK CR50	83	2019-1360	9:15	*	260
DAUSMAN DITCH CR19	181	2019-1361	9:20	*	5700
SWOVELAND DITCH CR19	91	2019-1362	9:30	*	590
ELKHART RIVER BAINERTOWN	24	2019-1363	9:40	*	1100
ROCK RUN CREEK CR84	20	2019-1364	10:05	*	760
ELKHART RIVER INDIANA AVE	22	2019-1365	10:20	*	600
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1366	10:55	*	2200
PINE CREEK WYLAND & ROSKE	30	2019-1367	10:40	*	2800
HEATON LAKE IDEAL BEACH	4	2019-1368	11:10	*	1600
SIMONTON LAKE SR 19	7	2019-1369	11:30	*	26
CHRISTIANA CREEK CR4	50	2019-1370	11:35	*	288

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 7-30-2019

ANALYST(S): TL

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:52 PM

INCUBATION TEMPERATURE: 44.5

WET / DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1371	8:05	*	3700
YELLOW CREEK CR 138	66	2019-1372	8:25	*	1200
WEAVER DITCH CR13	45	2019-1373	8:40	*	1070000
BERLIN COURT DITCH CR15	190	2019-1374	9:00	*	176
TURKEY CREEK CR50	83	2019-1375	9:10	*	270
DAUSMAN DITCH CR19	181	2019-1376	9:20	*	3200
SWOVELAND DITCH CR19	91	2019-1377	9:30	*	620
ELKHART RIVER BAINERTOWN	24	2019-1378	9:40	*	212
ROCK RUN CREEK CR34	20	2019-1379	10:00	*	650
ELKHART RIVER INDIANA AVE	22	2019-1380	10:15	*	64
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1381	11:00	*	480
PINE CREEK WYLAND & ROSKE	30	2019-1382	10:35	*	3700
HEATON LAKE IDEAL BEACH	4	2019-1383	11:20	*	64
SIMONTON LAKE SR 19	7	2019-1384	11:35	*	20
CHRISTIANA CREEK CR4	50	2019-1385	11:40	*	176

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 8-6-2019

ANALYST(S): LMH

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:09 PM

INCUBATION TEMPERATURE: 44.5

WET / DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1386	8:10AM	*	700
YELLOW CREEK CR 138	66	2019-1387	8:30AM	*	2,050
WEAVER DITCH CR13	45	2019-1388	8:40AM	*	230,000
BERLIN COURT DITCH CR15	190	2019-1389	9:00AM	*	94
TURKEY CREEK CR50	83	2019-1390	9:10AM	*	124
DAUSMAN DITCH CR19	181	2019-1391	9:20AM	*	995
SWOVELAND DITCH CR19	91	2019-1392	9:30AM	*	565
ELKHART RIVER BAINERTOWN	24	2019-1393	9:40AM	*	162
ROCK RUN CREEK CR34	20	2019-1394	10:00AM	*	1,120
ELKHART RIVER INDIANA AVE	22	2019-1395	10:20AM	*	56
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1396	10:55AM	*	2,800
PINE CREEK WYLAND & ROSKE	30	2019-1397	10:40AM	*	2,900
HEATON LAKE IDEAL BEACH	4	2019-1398	11:10AM	*	131
SIMONTON LAKE SR 19	7	2019-1399	11:25AM	*	37
CHRISTIANA CREEK CR4	50	2019-1400	11:30AM	*	2,900

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 8-15-2019

ANALYST(S): AP

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:55 PM

INCUBATION TEMPERATURE: 44.5

WET

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1278	8:10AM	*	6,000
YELLOW CREEK CR 138	66	2019-1279	8:35AM	*	4,700
WEAVER DITCH CR13	45	2019-1280	8:45AM	*	680,000
BERLIN COURT DITCH CR15	190	2019-1281	9:05AM	*	170
TURKEY CREEK CR50	83	2019-1282	9:20AM	*	204
DAUSMAN DITCH CR19	181	2019-1283	9:30AM	*	1,400
SWOVELAND DITCH CR19	91	2019-1284	9:40AM	*	62,000
ELKHART RIVER BAINERTOWN	24	2019-1285	9:50AM	*	320
ROCK RUN CREEK CR34	20	2019-1401	10:15AM	*	1,415
ELKHART RIVER INDIANA AVE	22	2019-1402	10:30AM	*	224
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1403	11:10AM	*	169
PINE CREEK WYLAND & ROSKE	30	2019-1404	10:50AM	*	1,610
HEATON LAKE IDEAL BEACH	4	2019-1405	11:30AM	*	11
SIMONTON LAKE SR 19	7	2019-1406	11:45AM	*	65
CHRISTIANA CREEK CR4	50	2019-1407	11:55AM	*	264

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 8-20-2019

ANALYST(S): TL

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:36 PM

INCUBATION TEMPERATURE: 44.5

WET

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1465	8:45AM	*	8,400
YELLOW CREEK CR 138	66	2019-1466	9:15AM	*	6,200
WEAVER DITCH CR13	45	2019-1467	9:40AM	*	460,000
BERLIN COURT DITCH CR15	190	2019-1468	10:10AM	*	64
TURKEY CREEK CR50	83	2019-1469	10:35AM	*	240
DAUSMAN DITCH CR19	181	2019-1470	10:50AM	*	6,000
SWOVELAND DITCH CR19	91	2019-1471	11:05AM	*	2,300
ELKHART RIVER BAINERTOWN	24	2019-1472	11:15AM	*	470
ROCK RUN CREEK CR34	20	2019-1473	11:40AM	*	1,120
ELKHART RIVER INDIANA AVE	22	2019-	AM	*	*
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-	AM	*	*
PINE CREEK WYLAND & ROSKE	30	2019-	AM	*	*
HEATON LAKE IDEAL BEACH	4	2019-	AM	*	*
SIMONTON LAKE SR 19	7	2019-	AM	*	*
CHRISTIANA CREEK CR4	50	2019-	AM	*	*

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 8-27-2019

ANALYST(S): BA

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 2:10 PM

INCUBATION TEMPERATURE: 44.5

WET / DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1137	8:20AM	*	9,500
YELLOW CREEK CR 138	66	2019-1138	8:45AM	*	12,400
WEAVER DITCH CR13	45	2019-1139	9:00AM	*	1,400,000
BERLIN COURT DITCH CR15	190	2019-1140	9:20AM	*	840
TURKEY CREEK CR50	83	2019-1141	9:40AM	*	530
DAUSMAN DITCH CR19	181	2019-1142	9:50AM	*	**
SWOVELAND DITCH CR19	91	2019-1143	10:00AM	*	**
ELKHART RIVER BAINERTOWN	24	2019-1144	10:15AM	*	120
ROCK RUN CREEK CR34	20	2019-1145	10:40AM	*	1,400
ELKHART RIVER INDIANA AVE	22	2019-1146	11:05AM	*	98
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-1	AM	*	*
PINE CREEK WYLAND & ROSKE	30	2019-1148	11:25AM	*	1,600
HEATON LAKE IDEAL BEACH	4	2019-1149	11:45AM	*	1,300
SIMONTON LAKE SR 19	7	2019-1150	12:05AM	*	38
CHRISTIANA CREEK CR4	50	2019-1151	12:10AM	*	176

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 9-3-2019

ANALYST(S): TL

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 12:47 PM

INCUBATION TEMPERATURE: 44.5

WET /

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1480	8:15AM	*	3,100
YELLOW CREEK CR 138	66	2019-1481	8:40AM	*	1,630
WEAVER DITCH CR13	45	2019-1482	9:00AM	*	2,900,000
BERLIN COURT DITCH CR15	190	2019-1483	9:20AM	*	113
TURKEY CREEK CR50	83	2019-1484	9:35AM	*	240
DAUSMAN DITCH CR19	181	2019-1485	9:45AM	*	2,300
SWOVELAND DITCH CR19	91	2019-1486	10:00AM	*	1,200
ELKHART RIVER BAINERTOWN	24	2019-1487	10:20AM	*	224
ROCK RUN CREEK CR34	20	2019-	AM	*	*
ELKHART RIVER INDIANA AVE	22	2019-	AM	*	*
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-	AM	*	*
PINE CREEK WYLAND & ROSKE	30	2019-	AM	*	*
HEATON LAKE IDEAL BEACH	4	2019-	AM	*	*
SIMONTON LAKE SR 19	7	2019-	AM	*	*
CHRISTIANA CREEK CR4	50	2019-	AM	*	*

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 9-10-2019

ANALYST(S): LMH

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:30 PM

INCUBATION TEMPERATURE: 44.5

WET /

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1152	8:30AM	*	1,175
YELLOW CREEK CR 138	66	2019-1153	8:50AM	*	420
WEAVER DITCH CR13	45	2019-1154	9:05AM	*	670,000
BERLIN COURT DITCH CR15	190	2019-1155	9:25AM	*	48
TURKEY CREEK CR50	83	2019-1156	9:40AM	*	218
DAUSMAN DITCH CR19	181	2019-1157	9:50AM	*	780
SWOVELAND DITCH CR19	91	2019-1158	10:00AM	*	680
ELKHART RIVER BAINERTOWN	24	2019-1159	10:15AM	*	290
ROCK RUN CREEK CR34	20	2019-1160	10:40AM	*	840
ELKHART RIVER INDIANA AVE	22	2019-1408	10:50AM	*	80
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-	AM	*	*
PINE CREEK WYLAND & ROSKE	30	2019-1497	11:15AM	*	440
HEATON LAKE IDEAL BEACH	4	2019-1498	11:30AM	*	73
SIMONTON LAKE SR 19	7	2019-1499	11:45AM	*	102
CHRISTIANA CREEK CR4	50	2019-1500	12:00AM	*	140

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 9-17-2019

ANALYST(S): AP/BA

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 1:50 PM

INCUBATION TEMPERATURE: 44.5

WET

DRY

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1235	8:15am	*	860
YELLOW CREEK CR 138	66	2019-1236	8:40AM	*	500
WEAVER DITCH CR13	45	2019-1237	8:50AM	*	2,740,000
BERLIN COURT DITCH CR15	190	2019-1238	9:15AM	*	46
TURKEY CREEK CR50	83	2019-1239	9:30AM	*	240
DAUSMAN DITCH CR19	181	2019-1240	9:35AM	*	640
SWOVELAND DITCH CR19	91	2019-1241	9:50AM	*	440
ELKHART RIVER BAINERTOWN	24	2019-1242	10:05AM	*	262
ROCK RUN CREEK CR34	20	2019-1243	10:25AM	*	540
ELKHART RIVER INDIANA AVE	22	2019-1244	10:40AM	*	61
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-	AM	*	*
PINE CREEK WYLAND & ROSKE	30	2019-1246	11:00AM	*	1015
HEATON LAKE IDEAL BEACH	4	2019-1247	11:30AM	*	80
SIMONTON LAKE SR 19	7	2019-1248	11:45AM	*	236
CHRISTIANA CREEK CR4	50	2019-1249	11:50AM	*	200

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL

ELKHART PUBLIC WORKS & UTILITIES

Tuesday Surface Water Sampling

DATE: 9-29-19

WET / DRY

ANALYST(S): BA

PROCEDURE: Coliscan Membrane Filtration

INCUBATION TIME IN: 2:30 PM

INCUBATION TEMPERATURE: 44.5

LOCATION	SITE#	LOG NUMBER	COLLECTION TIME	TSS (mg/L)	E.Coli (colonies/100mL)
YELLOW CREEK CONCORD HS	67	2019-1235	8:40	*	950
YELLOW CREEK CR 138	66	2019-1236	9:00	*	530
WEAVER DITCH CR13	45	2019-1237	9:15	*	680,000
BERLIN COURT DITCH CR15	190	2019-1238	9:35	*	100
TURKEY CREEK CR50	83	2019-1239	9:50	*	270
DAUSMAN DITCH CR19	181	2019-1240	10:00	*	800
SWOVELAND DITCH CR19	91	2019-1241	10:10	*	263
ELKHART RIVER BAINTERTOWN	24	2019-1242	10:25	*	250
ROCK RUN CREEK CR34	20	2019-1243	10:50	*	425
ELKHART RIVER INDIANA AVE	22	2019-1244	11:10	*	34
ST. JOSEPH RIVER BRISTOL LAUNCH BOAT	210	2019-		*	
PINE CREEK WYLAND & ROSKE	30	2019-1246	11:35	*	760
HEATON LAKE IDEAL BEACH	4	2019-1247		*	
SIMONTON LAKE SR 19	7	2019-1248	12:00	*	29
CHRISTIANA CREEK CR4	50	2019-1249	12:10	*	228

*= No Sample

**=TNTC Geometric mean 63,200 col/100 mL