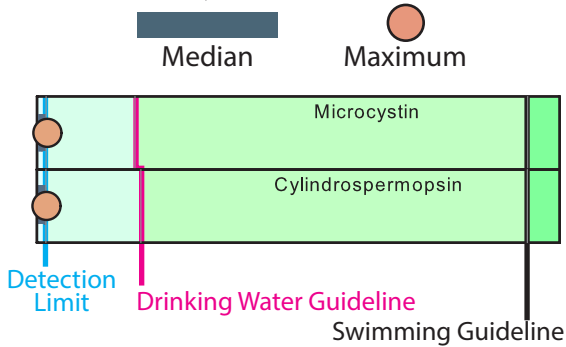


Blue Springs

2021 Data Table	5/1	6/15	7/4	7/24	8/10	9/4	9/28	Mean*
Temp (F)	69	81	86	84	81			80
Secchi (feet)	4.3	2.6	2.6	2.3	2.6			2.8
Phosphorus (µg/L)	55	18	30		33	36	41	34
Nitrogen (µg/L)	685	440	545	705	645	650	705	617
Ammonium (µg/L)	26	<10	<10	11	24	25	127	18
Nitrate (µg/L)	122	<5	<5	6	7	<5	45	9
Chlorophyll (µg/L)	15.7	8.9	29.6	32.0	26.7	35.8	34.0	23.8
Sediment (mg/L)	1.8	5.2	2.7	3.5	2.2	2.0	2.2	2.6
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.10	0.12	<0.10	0.16	<0.10
Cylindro (µg/L)	0.06	0.07	0.05	<0.04	<0.04	0.05	0.05	0.04

2021 Cyanotoxin Results



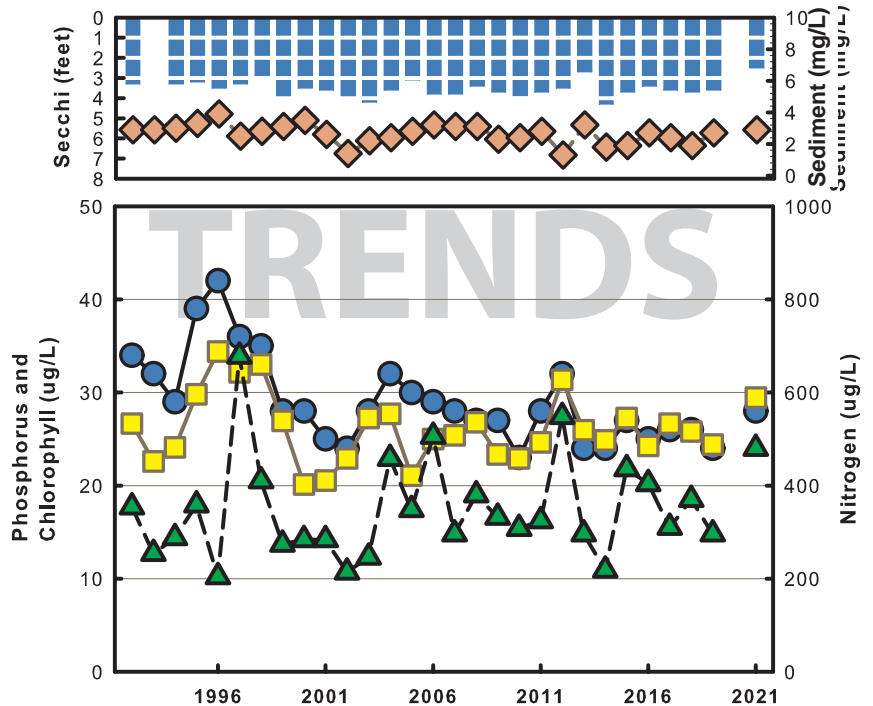
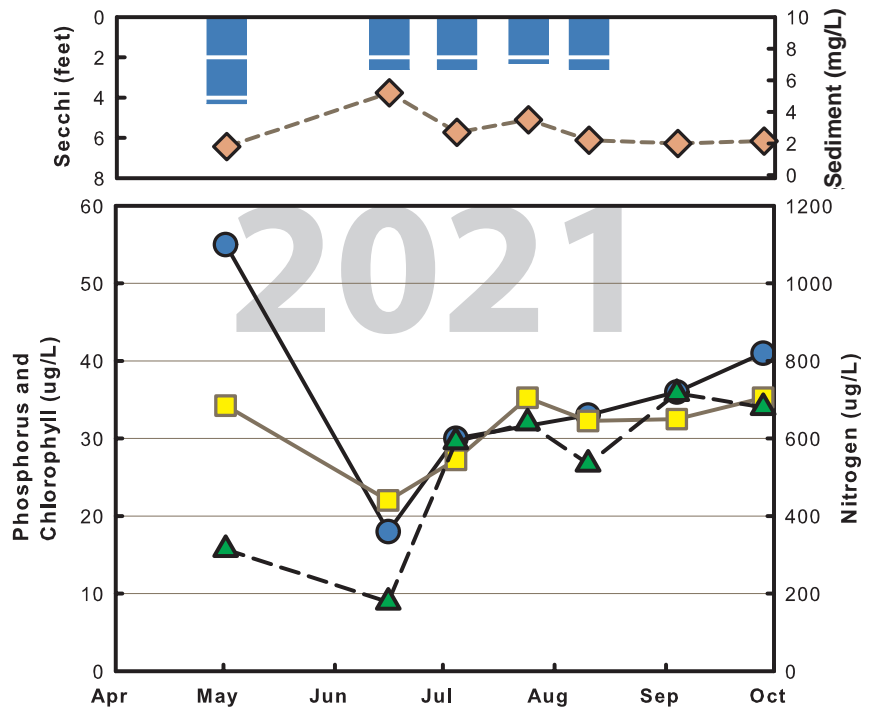
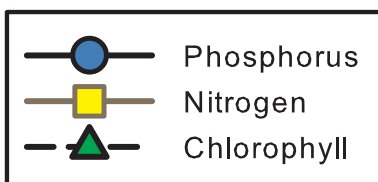
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

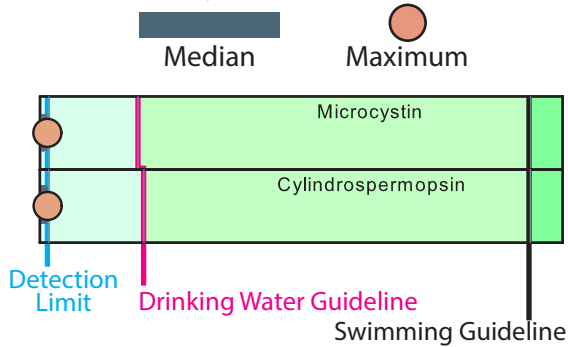
Legend for 2021 and Trend graphs



Bull Shoals 7

2021 Data Table	6/29	7/18	8/10	8/30	9/19	Mean*
Temp (F)	85	83	81	86	82	83
Secchi (feet)	13.1	12.5	11.8	8.5	7.5	10.4
Phosphorus (µg/L)	6	6	12	8	11	8
Nitrogen (µg/L)	240	295	285	270	265	270
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	4.3	2.8	4.3	5.6	8.4	4.8
Sediment (mg/L)						
Microcystin (µg/L)		0.12	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)		<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



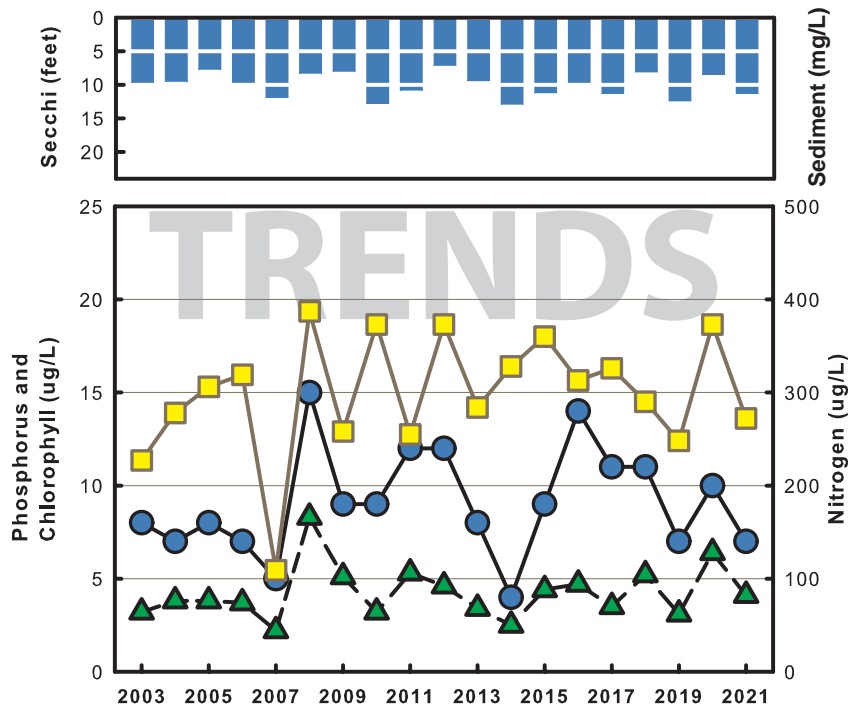
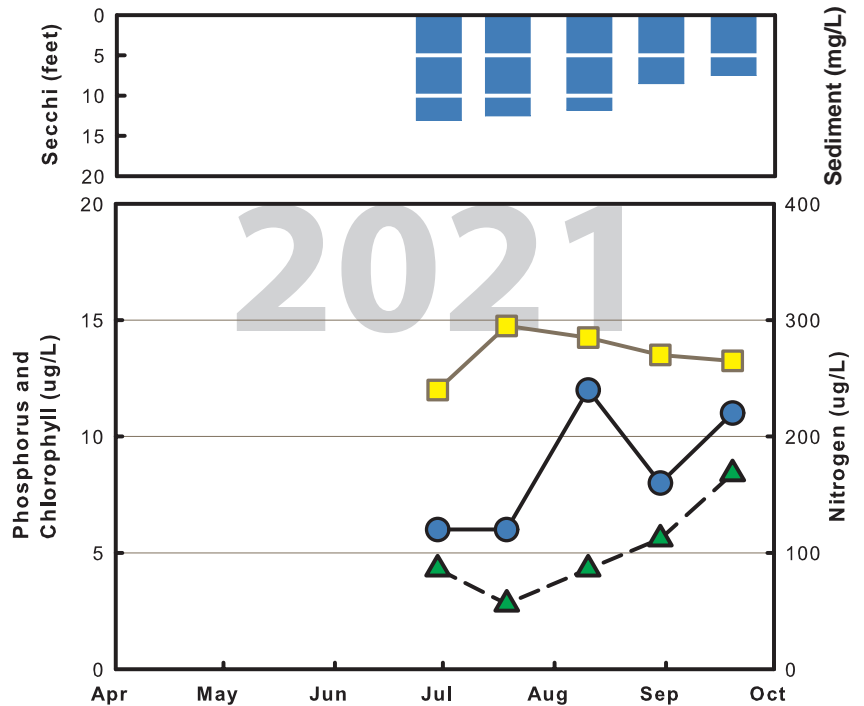
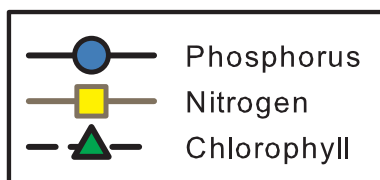
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

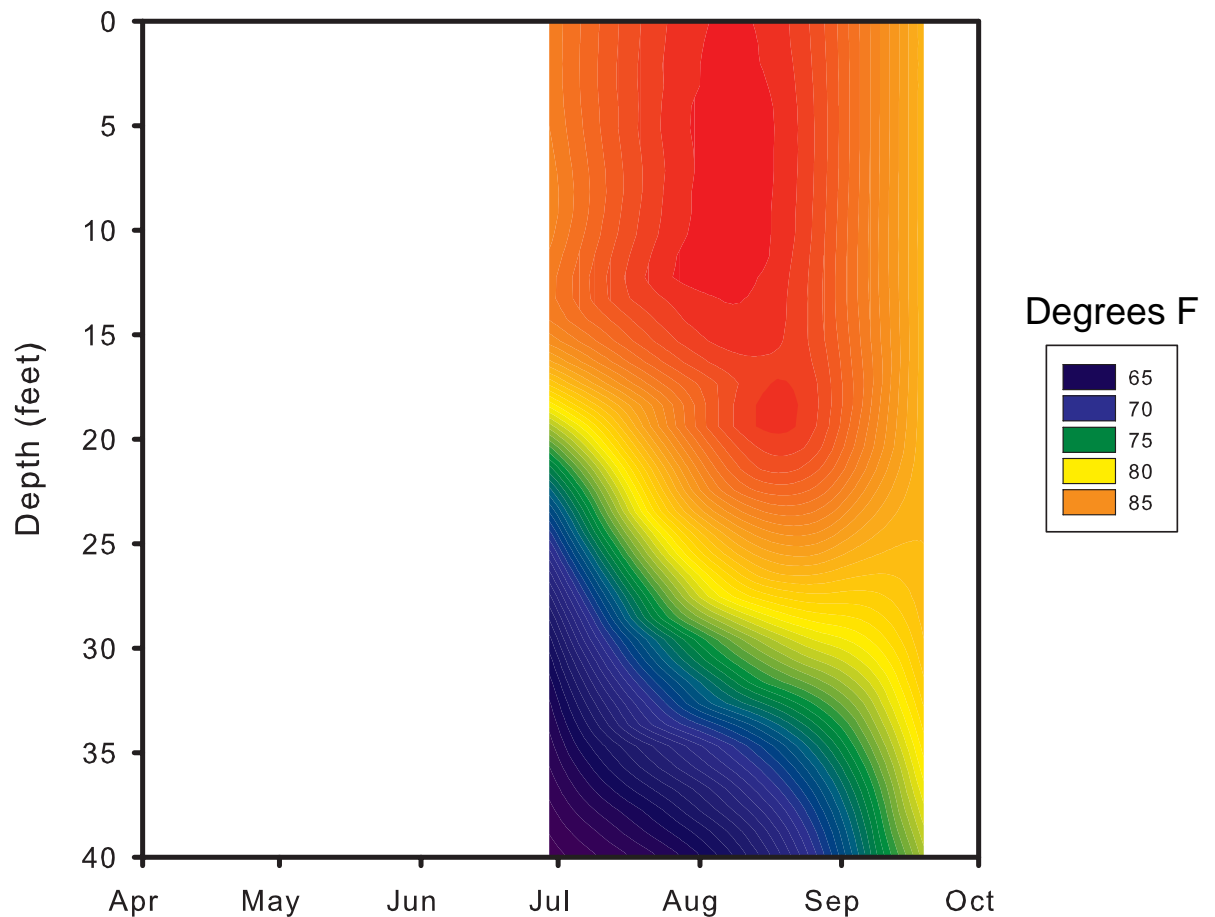


Bull Shoals 7

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

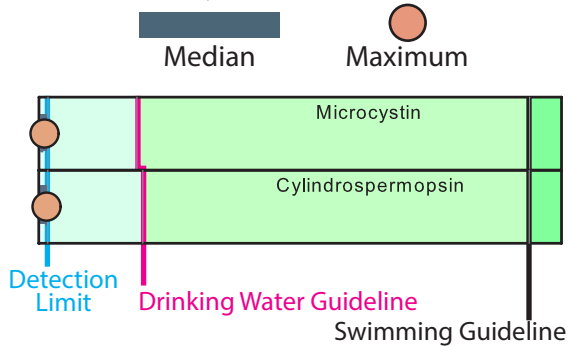
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Bull Shoals 8

2021 Data Table	6/29	7/18	8/10	8/30	9/19	Mean*
Temp (F)	85	83	81	87	83	84
Secchi (feet)	13.8	10.2	8.5	6.9	5.9	8.7
Phosphorus (µg/L)	8	7	7	9	14	9
Nitrogen (µg/L)	225	300	320	265	300	280
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	4.6	3.1	4.3	6.3	10.8	5.3
Sediment (mg/L)						
Microcystin (µg/L)	<0.10		<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04		<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



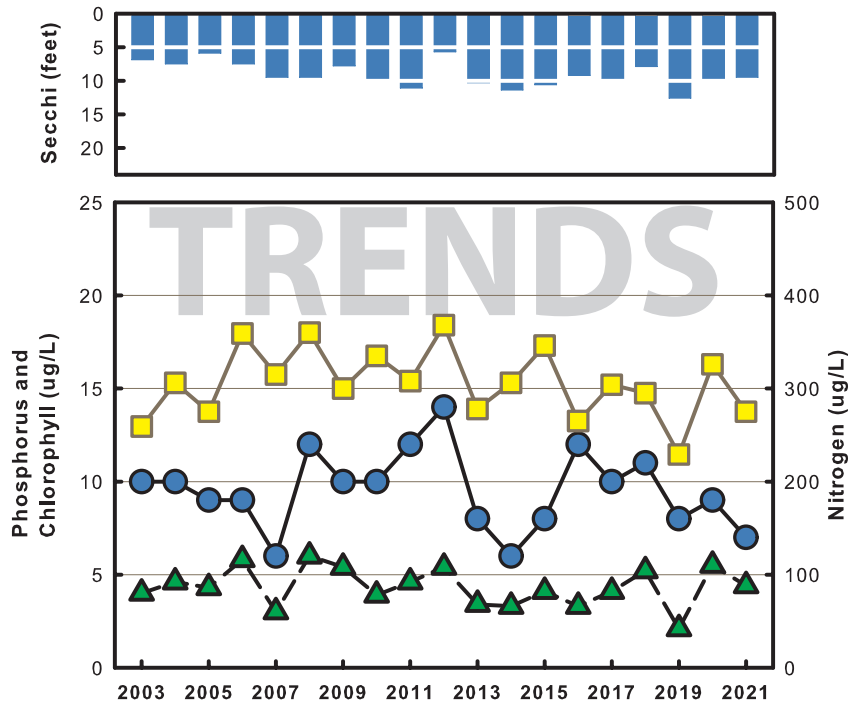
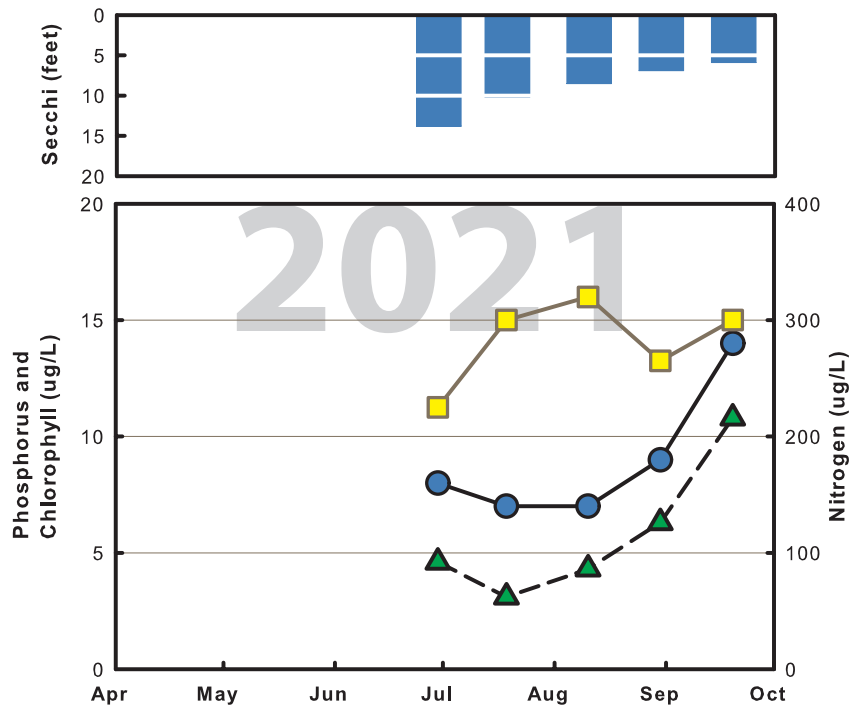
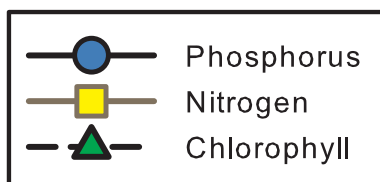
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

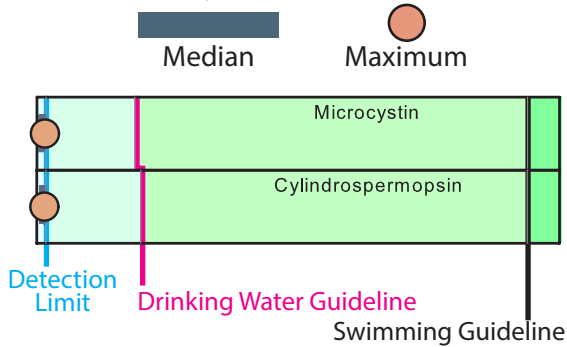
Legend for 2021 and Trend graphs



Buteo

2021 Data Table	5/15	5/27	6/7	7/4	7/26	8/30	9/19	Mean*
Temp (F)	64	74	77	82	86	84	77	77
Secchi (feet)	3.9	2.0	5.6	1.6	5.6	5.2	6.9	3.9
Phosphorus (µg/L)	24	28	17	33	22	19	13	21
Nitrogen (µg/L)	540	575	490	610	595	600	490	555
Ammonium (µg/L)	18	23	25	<10	20	<10	27	15
Nitrate (µg/L)	<5	<5	<5	<5	<5	<5	<5	<5
Chlorophyll (µg/L)	2.0	2.8	1.4	7.8	13.4	4.8	3.0	3.8
Sediment (mg/L)	1.3	1.6	0.6	3.0	0.7	1.2	0.5	1.1
Microcystin (µg/L)	<0.10	<0.10	<0.10		0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04		0.06	0.19	0.12	0.05

2021 Cyanotoxin Results



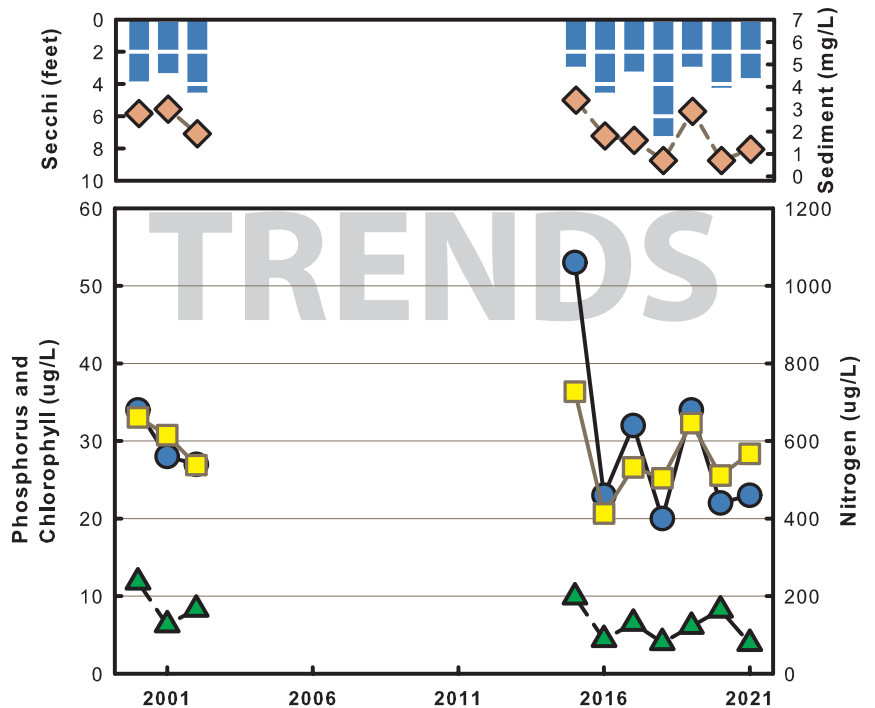
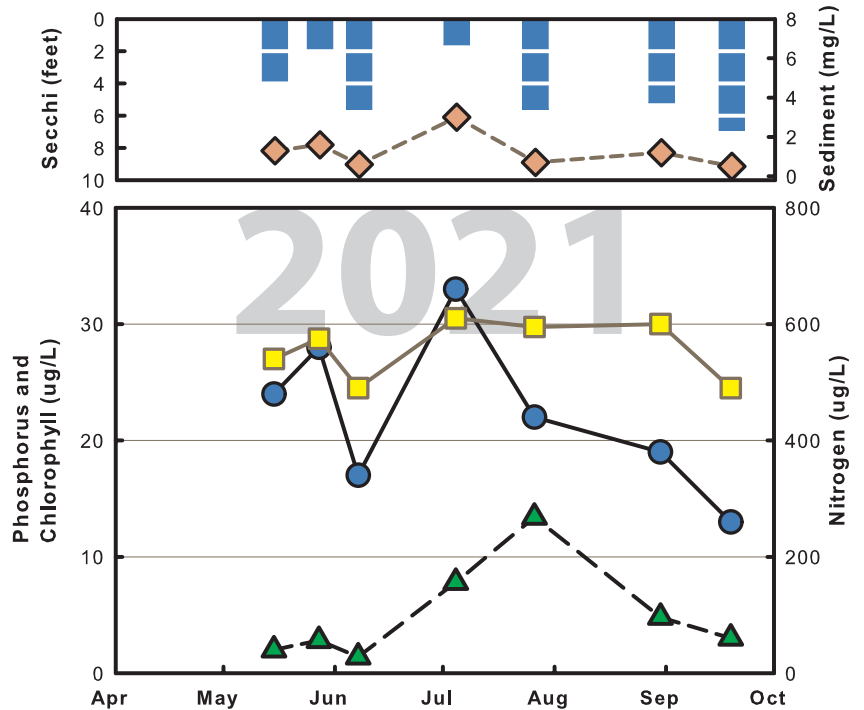
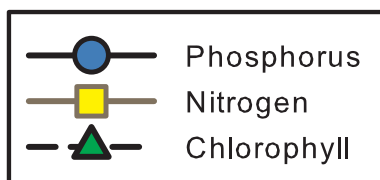
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

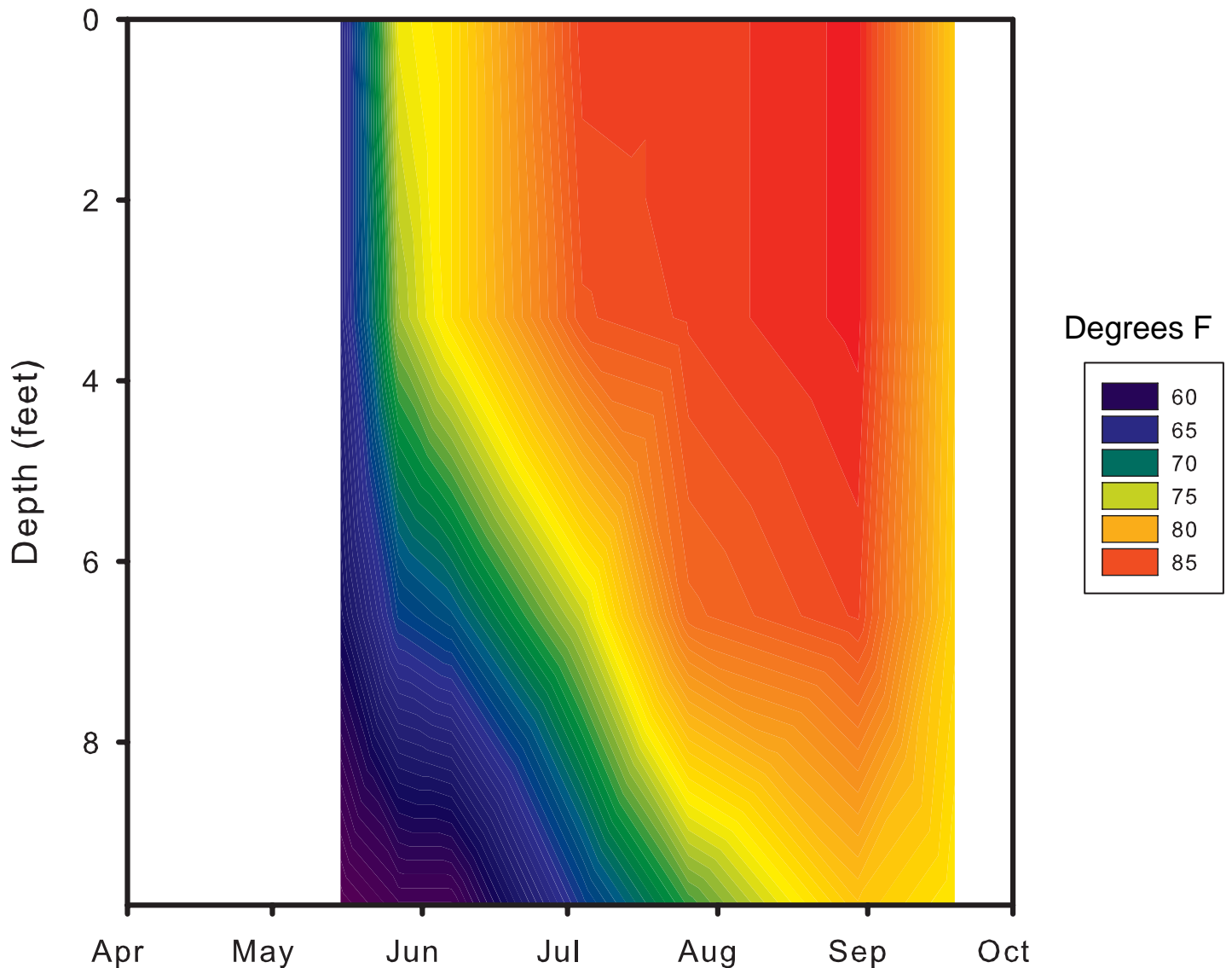


Buteo

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

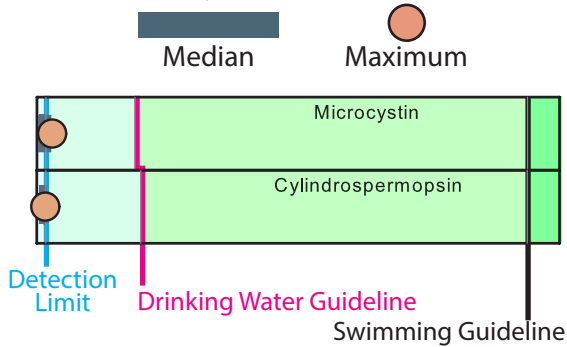
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Cameron #3

2021 Data Table	6/16	Mean*
Temp (F)	82	82
Secchi (feet)	2.3	2.3
Phosphorus (µg/L)	83	83
Nitrogen (µg/L)	693	693
Ammonium (µg/L)		
Nitrate (µg/L)		
Chlorophyll (µg/L)	32.0	32.0
Sediment (mg/L)	5.0	5.0
Microcystin (µg/L)	0.23	0.23
Cylindro (µg/L)	<0.04	<0.04

2021 Cyanotoxin Results



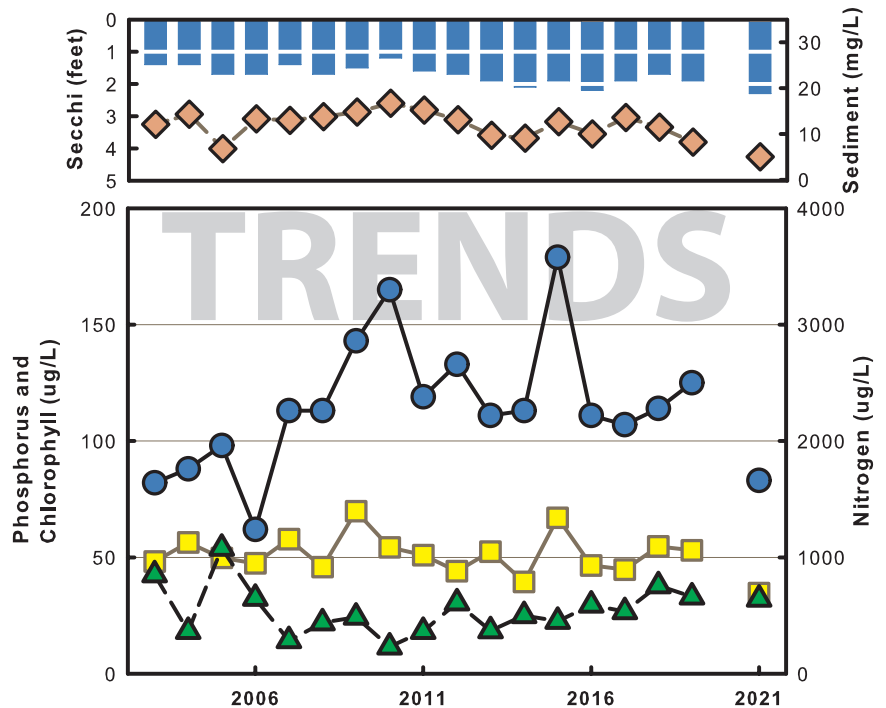
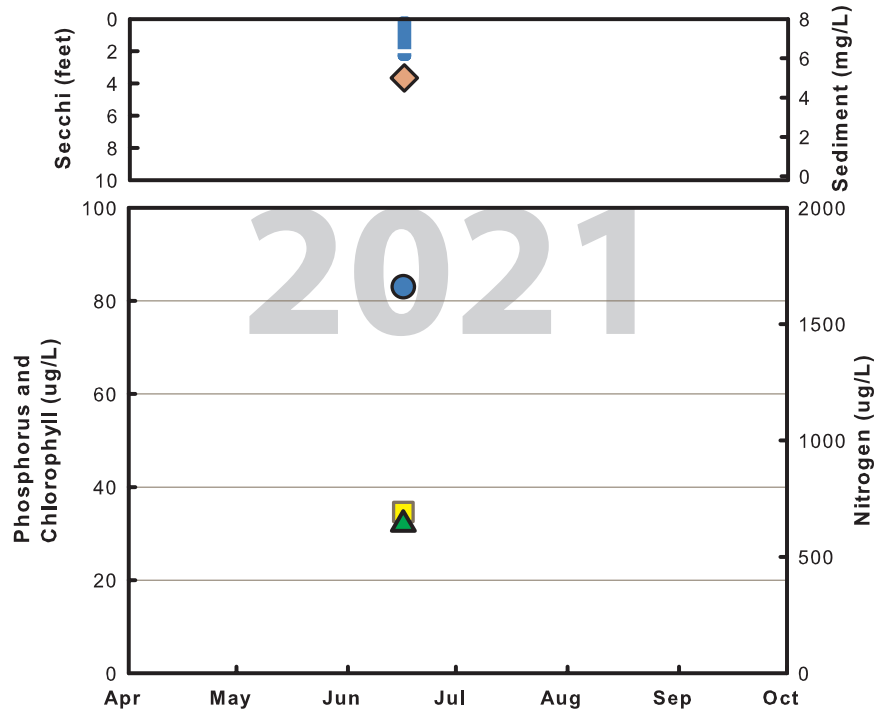
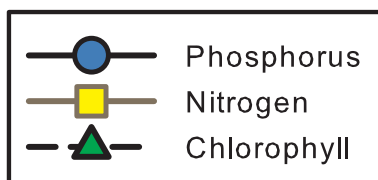
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

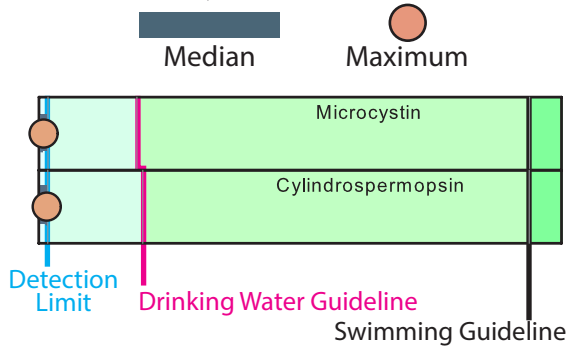
Legend for 2021 and Trend graphs



Carondelet Boathouse Lake

2021 Data Table	5/1	5/20	6/8	7/2	7/18	8/12	9/2	Mean*
Temp (F)	70	70	79	81	83	84	80	78
Secchi (feet)	3.9	3.0	3.9	3.6	1.3	2.0	2.3	2.7
Phosphorus (µg/L)	54	58	38	85	136	59	51	63
Nitrogen (µg/L)	865	800	595	1090	1775	935	1005	959
Ammonium (µg/L)	104	55	15	361	18	13	258	57
Nitrate (µg/L)	121	55	18	96	11	<5	75	31
Chlorophyll (µg/L)	2.6	10.4	9.2	13.7	44.9	40.6	36.3	15.6
Sediment (mg/L)	2.2	5.1	0.9	2.5	10.6	4.2	5.4	3.5
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



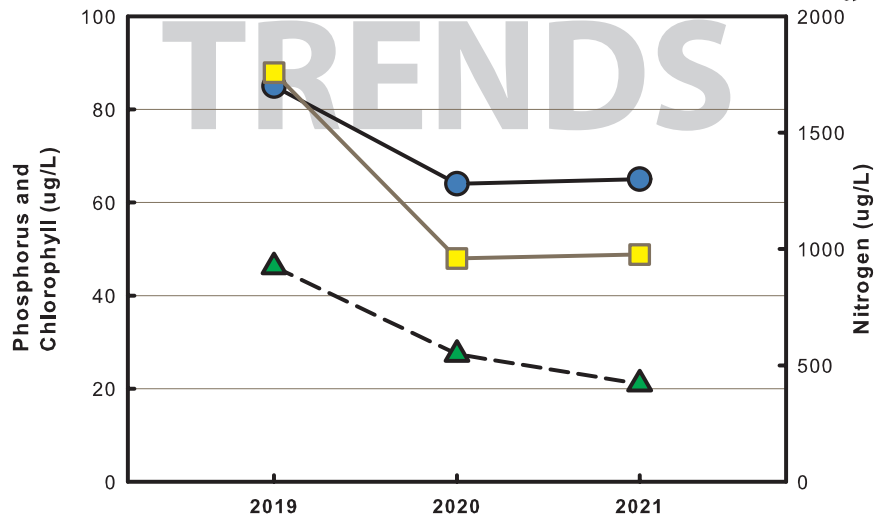
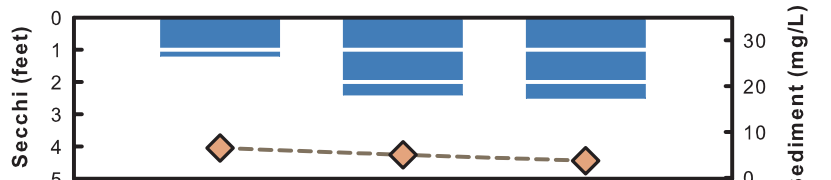
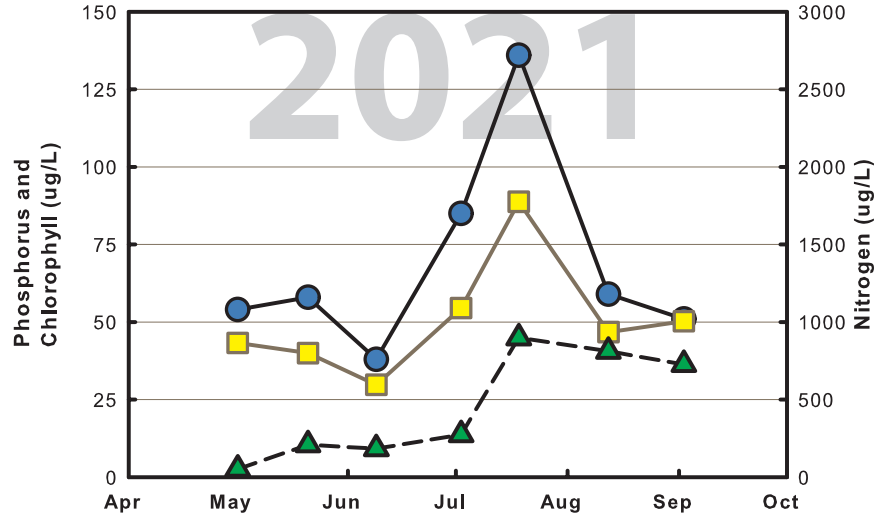
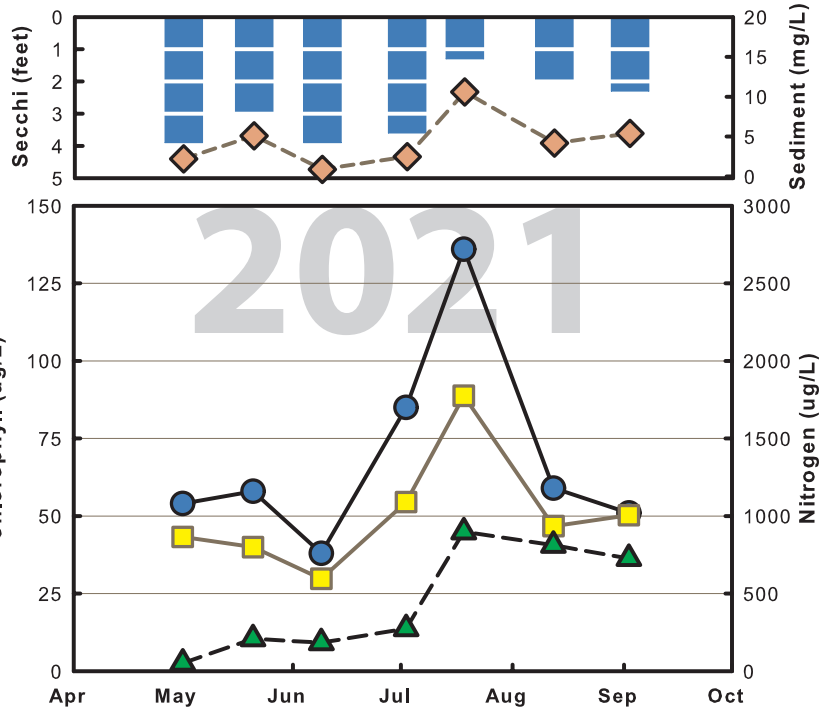
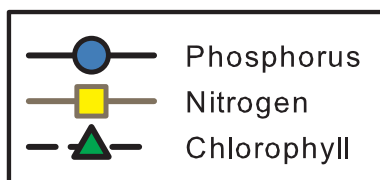
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

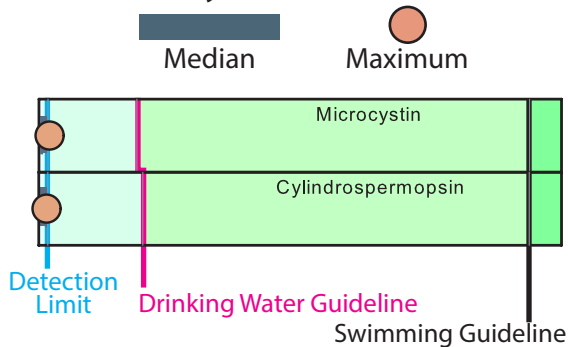
Legend for 2021 and Trend graphs



Clearfork

2021 Data Table	5/15	5/27	6/7	7/4	7/26	8/30	9/19	Mean*
Temp (F)	65	74	78	84	85	86	75	78
Secchi (feet)	1.3	0.7	3.6	2.0	3.0	2.6	4.6	2.2
Phosphorus (µg/L)	62	47	30	43	26	32	31	37
Nitrogen (µg/L)	545	530	560	495	580	750	710	589
Ammonium (µg/L)	17	16	13	12	15	<10	<10	11
Nitrate (µg/L)	<5	7	<5	<5	<5	<5	<5	<5
Chlorophyll (µg/L)	16.7	25.2	11.4	3.3	10.6	31.3	15.2	13.5
Sediment (mg/L)	9.9	3.6	1.5	2.8	0.4	0.6	0.5	1.5
Microcystin (µg/L)	<0.10	<0.10	<0.10		<0.10	<0.10	0.16	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04		<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



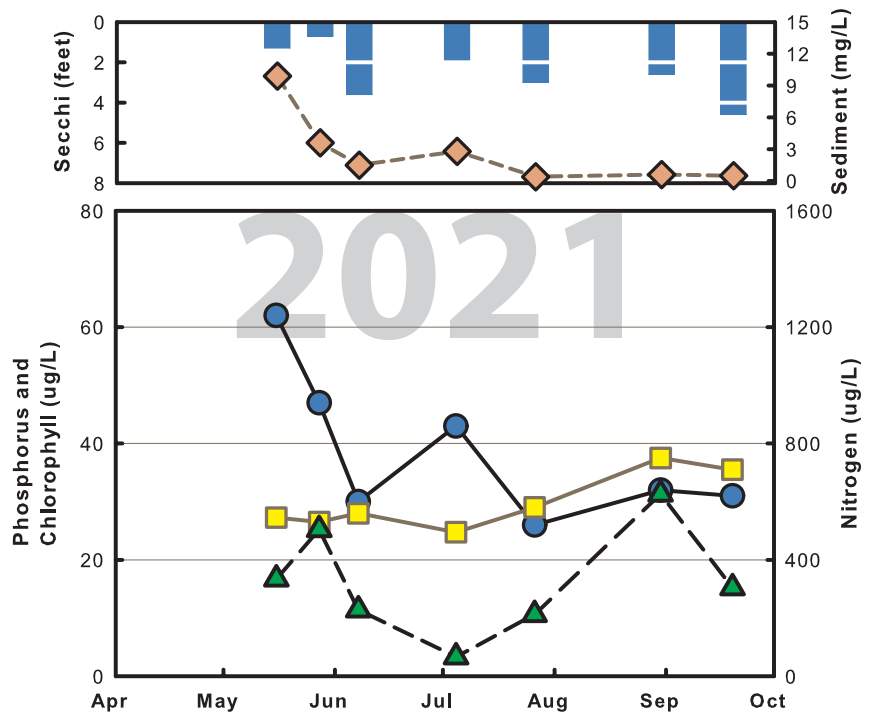
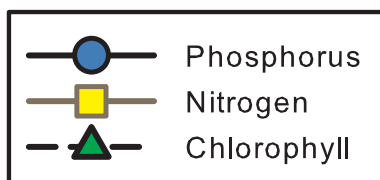
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

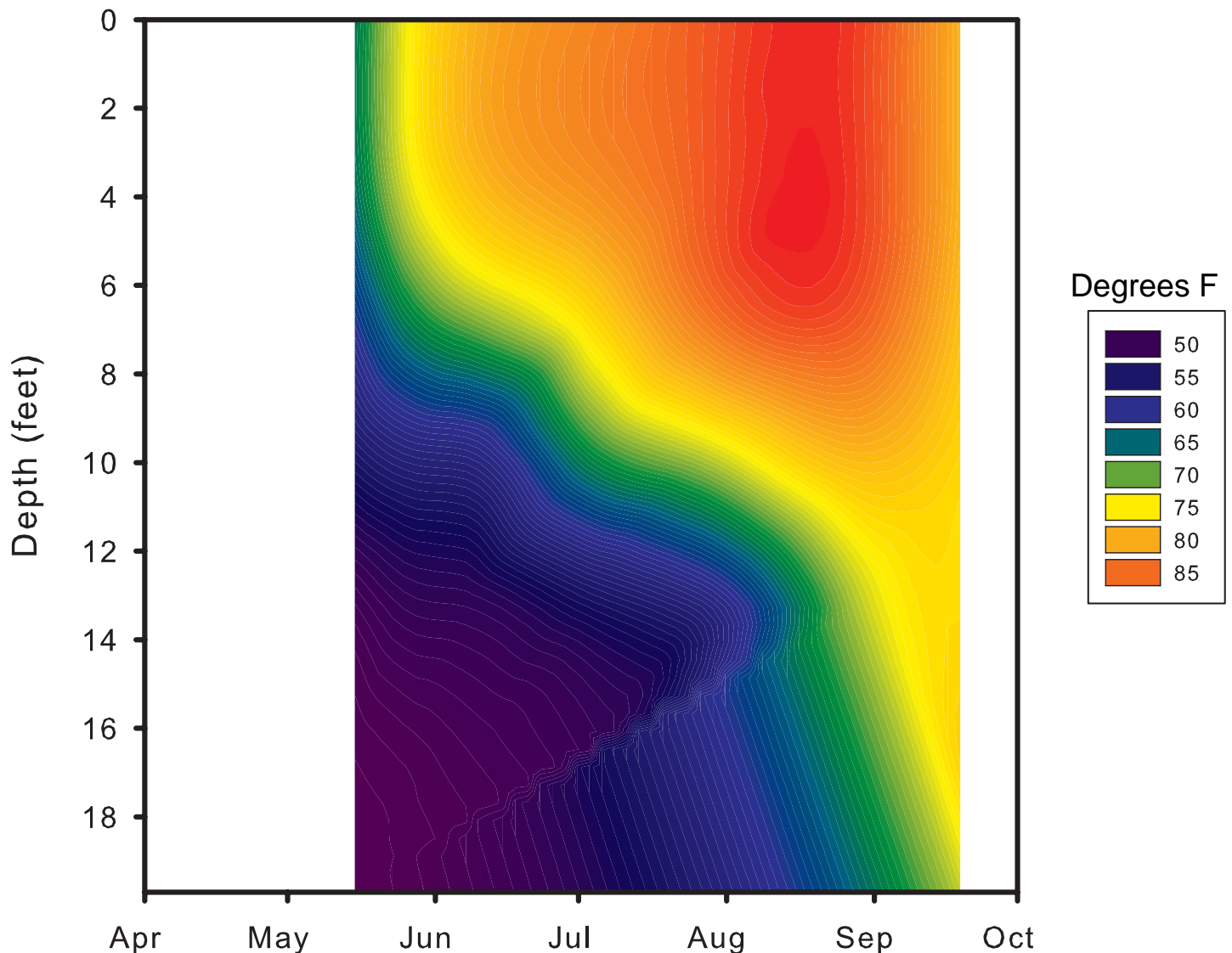
Legend for 2021 and Trend graphs



Clearfork 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

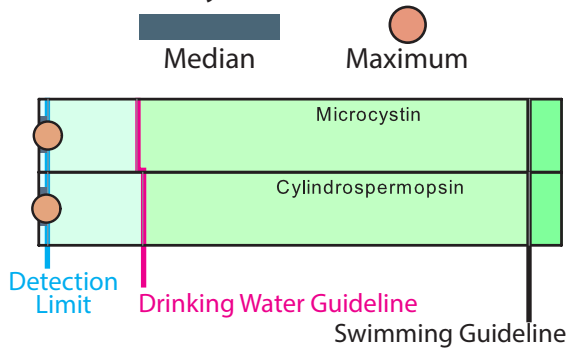
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Clearwater Site 1

2021 Data Table	5/22	6/9	6/23	7/7	7/15	7/22	9/3	9/8	9/19	9/30	Mean*
Temp (F)	71	76	80	84	84	83	82	80	79	74	79
Secchi (feet)	4.3	10.5	5.9	6.6	6.9	6.6	4.9	4.3	5.6	4.3	5.8
Phosphorus (µg/L)	7	6	15	9	12	19	14	11	13	14	11
Nitrogen (µg/L)	175	130	170	165	165		150	105	150	195	155
Ammonium (µg/L)											
Nitrate (µg/L)											
Chlorophyll (µg/L)	3.3	3.2	6.7	3.2	6.6	5.6	9.6	8.3	7.5	8.8	5.8
Sediment (mg/L)	2.1	0.4	1.4	0.3	<0.1	0.7	1.1	2.2	1.2	2.9	0.8
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



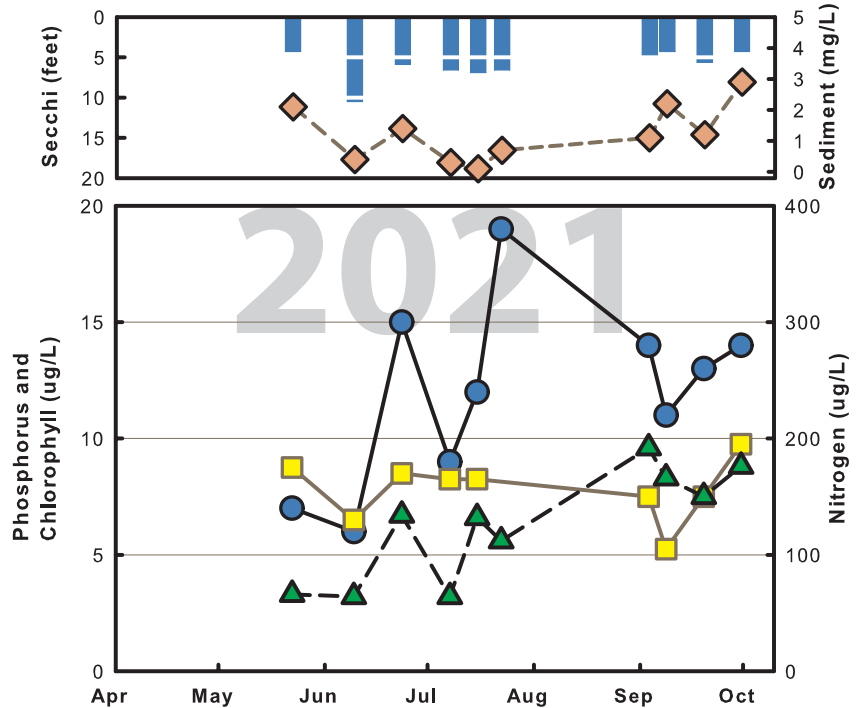
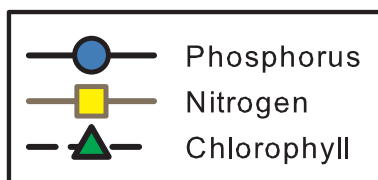
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

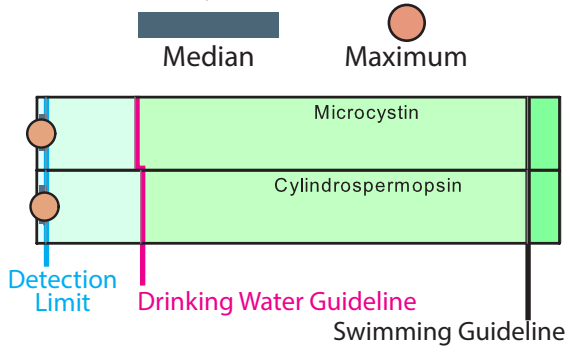
Legend for 2021 and Trend graphs



Clearwater Site 2

2021 Data Table	5/22	6/9	6/23	7/7	7/15	7/22	9/3	9/8	9/19	9/30	Mean*
Temp (F)	73	76	73	84	78	82	79	83	79	74	78
Secchi (feet)	1.3	6.9	1.6	2.0	2.3	2.0	1.3	1.0	2.0	2.0	1.9
Phosphorus (µg/L)	18	17	44	39	21	39	31	43	29	27	29
Nitrogen (µg/L)	235	210			255	280	185	290	300	185	244
Ammonium (µg/L)											
Nitrate (µg/L)											
Chlorophyll (µg/L)	7.9	8.8	10.5	7.2	9.0	9.0	13.7	13.0	11.1	12.7	10.1
Sediment (mg/L)	8.8	4.9	8.5	9.0	8.3	8.0	14.8	22.3	8.7	8.8	10.3
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



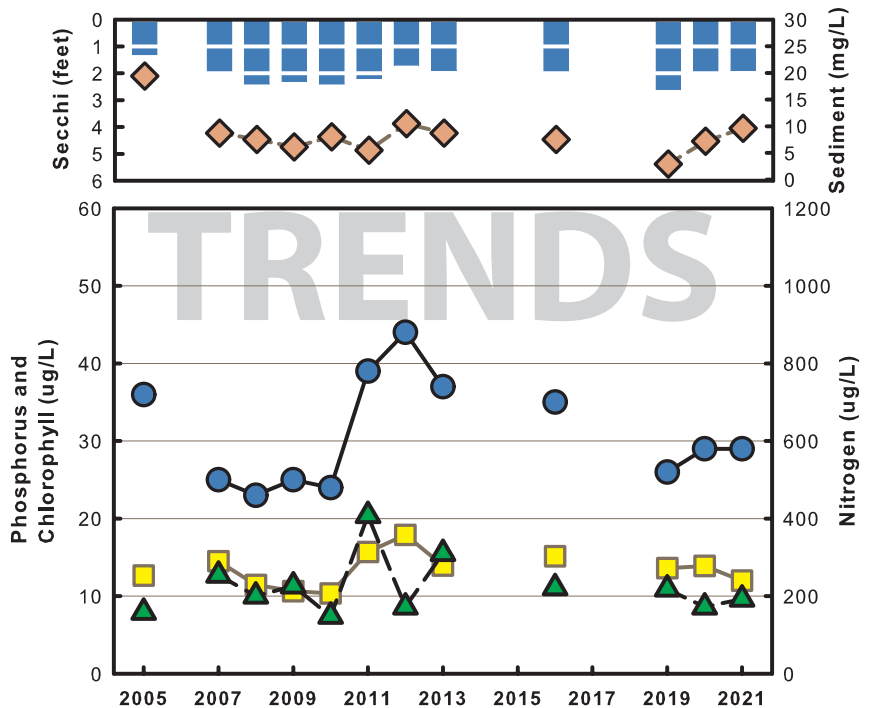
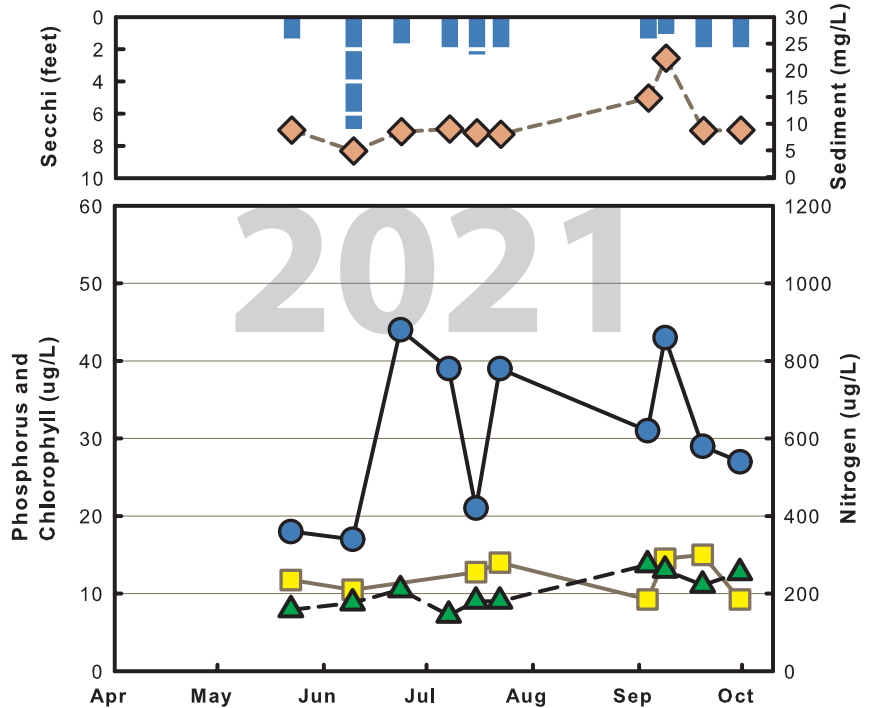
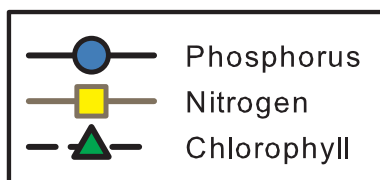
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

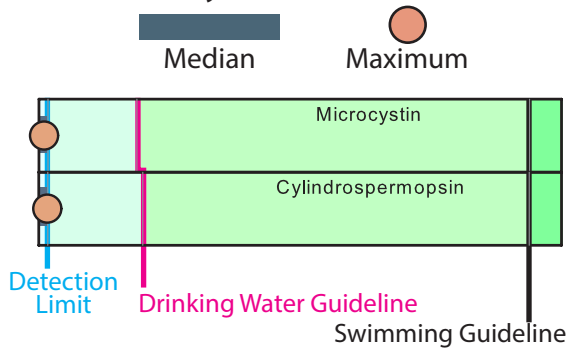
Legend for 2021 and Trend graphs



Clearwater Site 3

2021 Data Table	5/22	6/9	6/23	7/7	7/15	7/22	9/3	9/8	9/19	9/30	Mean*
Temp (F)	73	76	76	84	84	81	76	78	77	65	77
Secchi (feet)	2.0	2.6	2.0	2.0	2.6	3.0	2.3	2.0	2.6	2.3	2.3
Phosphorus (µg/L)	19	34	22	17	27	14	23	23	18	22	21
Nitrogen (µg/L)	285	250	270	200		205	210	225	180	315	226
Ammonium (µg/L)											
Nitrate (µg/L)											
Chlorophyll (µg/L)	4.9	5.5	6.3	5.7	6.8	7.1	9.4	4.8	6.7	6.9	6.3
Sediment (mg/L)	6.1	2.9	5.2	4.4	4.1	4.2	6.9	11.3	6.4	6.3	5.8
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



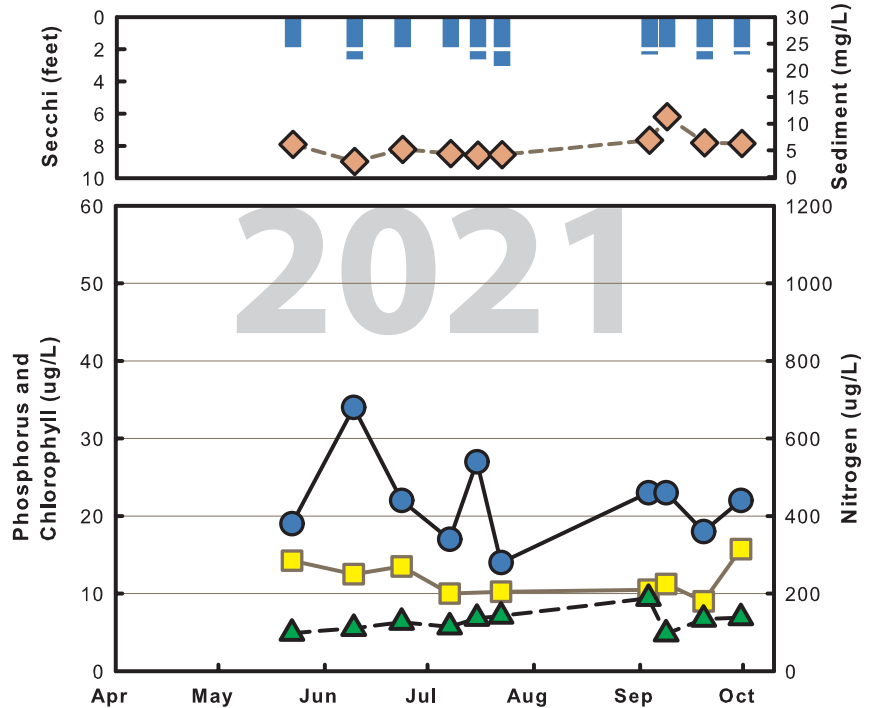
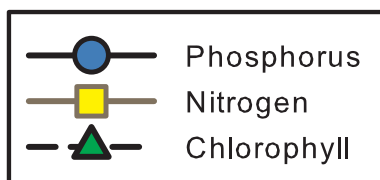
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

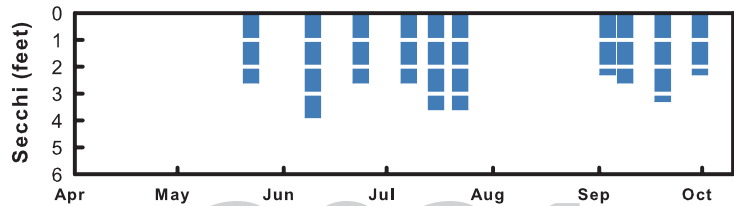
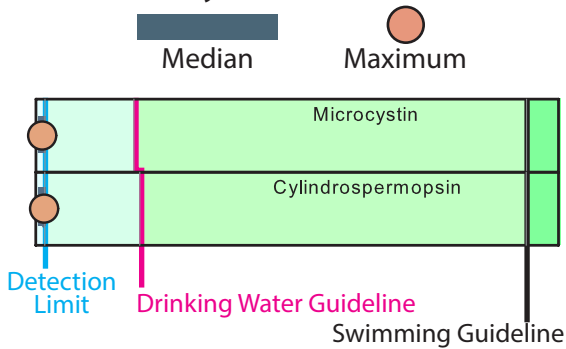
Legend for 2021 and Trend graphs



Clearwater Site 4

2021 Data Table	5/22	6/9	6/23	7/7	7/15	7/22	9/3	9/8	9/19	9/30	Mean*
Temp (F)	68	76	78	84	84	79	77	78	75	75	77
Secchi (feet)	2.6	3.9	2.6	2.6	3.6	3.6	2.3	2.6	3.3	2.3	2.9
Phosphorus (µg/L)											
Nitrogen (µg/L)											
Ammonium (µg/L)											
Nitrate (µg/L)											
Chlorophyll (µg/L)											
Sediment (mg/L)											
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



2021

(* Table shows geometric means)

Above: Cyanotoxin results

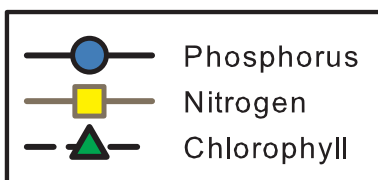
Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)



TRENDS

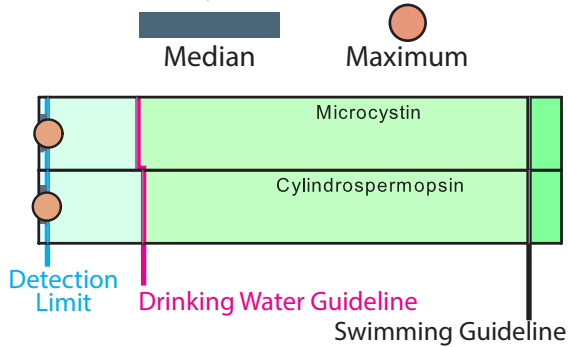
Legend for 2021 and Trend graphs



Creve Coeur Site 2

2021 Data Table	4/27	5/21	6/6	6/29	7/23	8/12	9/1	9/23	Mean*
Temp (F)	62	72	76	85	85	85	85	76	78
Secchi (feet)	1.6	1.6	1.6	1.0	1.6	1.6	1.6	1.3	1.5
Phosphorus (µg/L)	100	81	73	101	91	88	138	124	98
Nitrogen (µg/L)	620	588	570	628	750	695	1055	885	709
Ammonium (µg/L)	55	17	<10	<10	<10	18	<10	17	11
Nitrate (µg/L)	59	10	10	20	<5	<5	7	62	12
Chlorophyll (µg/L)	31.2	33.2	26.6	44.0	36.3	44.7	106.9	81.2	45.1
Sediment (mg/L)	16.4	12.0	7.8	13.5	6.0	9.5	6.0	11.0	9.7
Microcystin (µg/L)	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



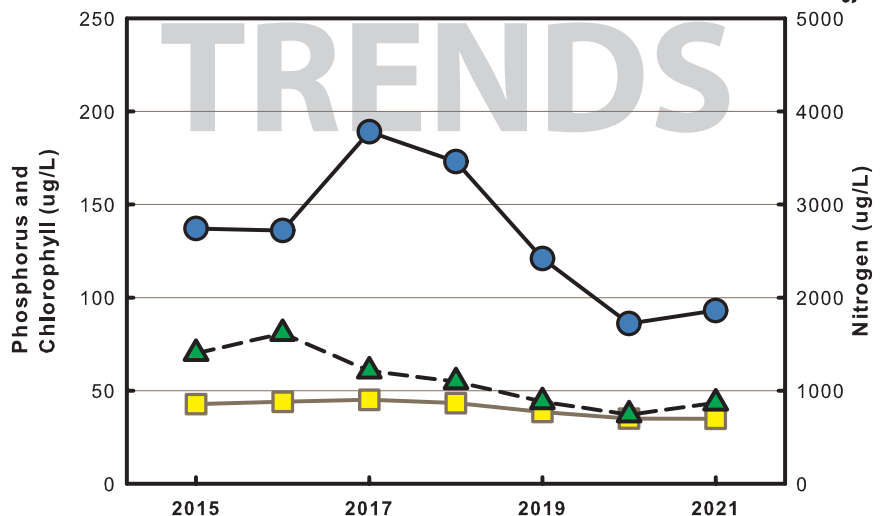
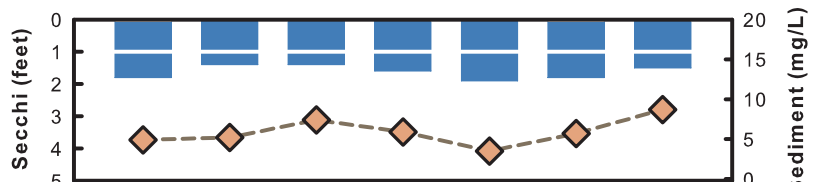
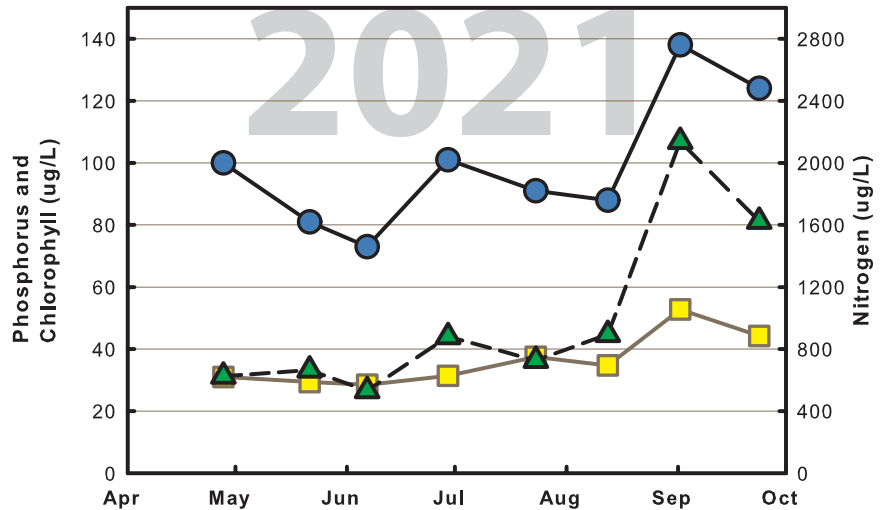
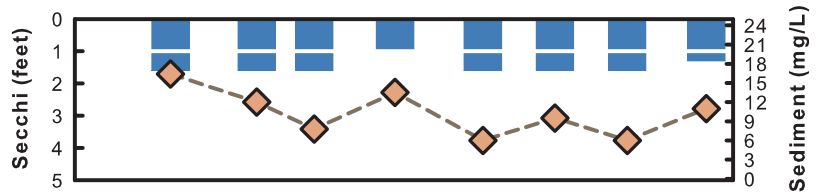
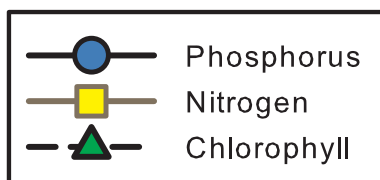
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

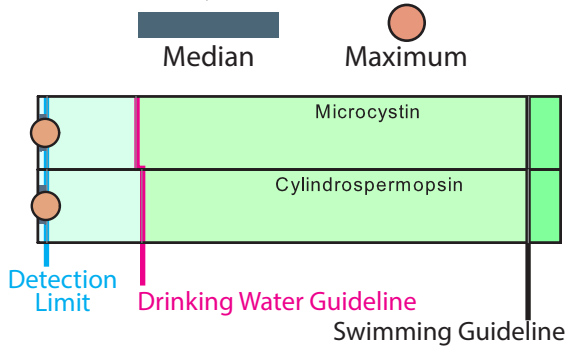
Legend for 2021 and Trend graphs



Fellows

2021 Data Table	5/1	6/12	7/3	8/14	9/4	9/25	Mean*
Temp (F)	64	83	86	84	81	76	79
Secchi (feet)	10.5	8.5	8.5	6.2	6.2	4.3	7.1
Phosphorus (µg/L)	12	4	10	11	7	9	8
Nitrogen (µg/L)	430	190	275	325	320	350	306
Ammonium (µg/L)							
Nitrate (µg/L)							
Chlorophyll (µg/L)	6.3	<0.3	3.9	1.8	0.4	1.1	1.3
Sediment (mg/L)	0.6	0.2	0.3	0.3	0.7	0.5	0.4
Microcystin (µg/L)	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



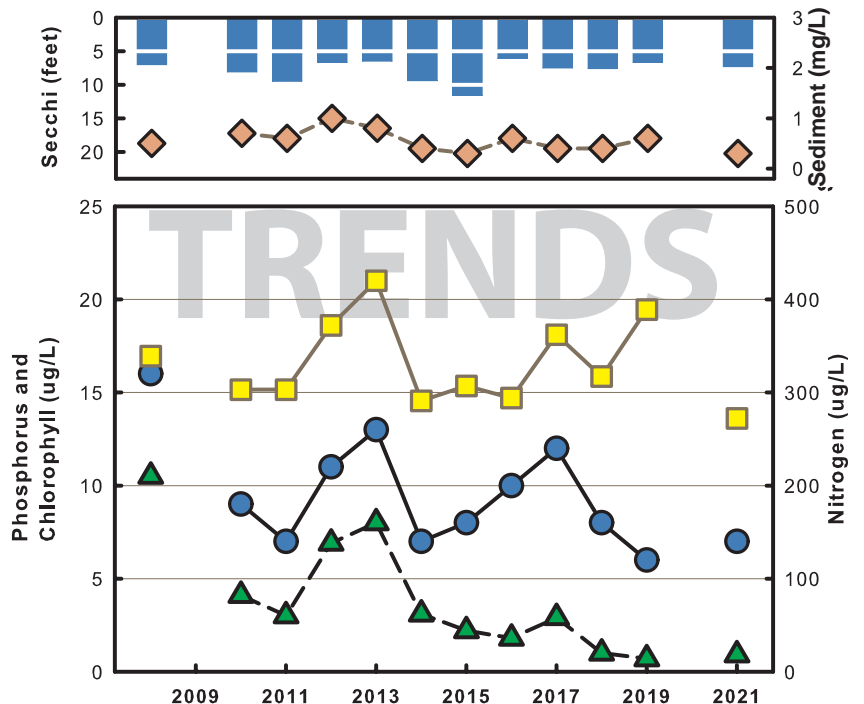
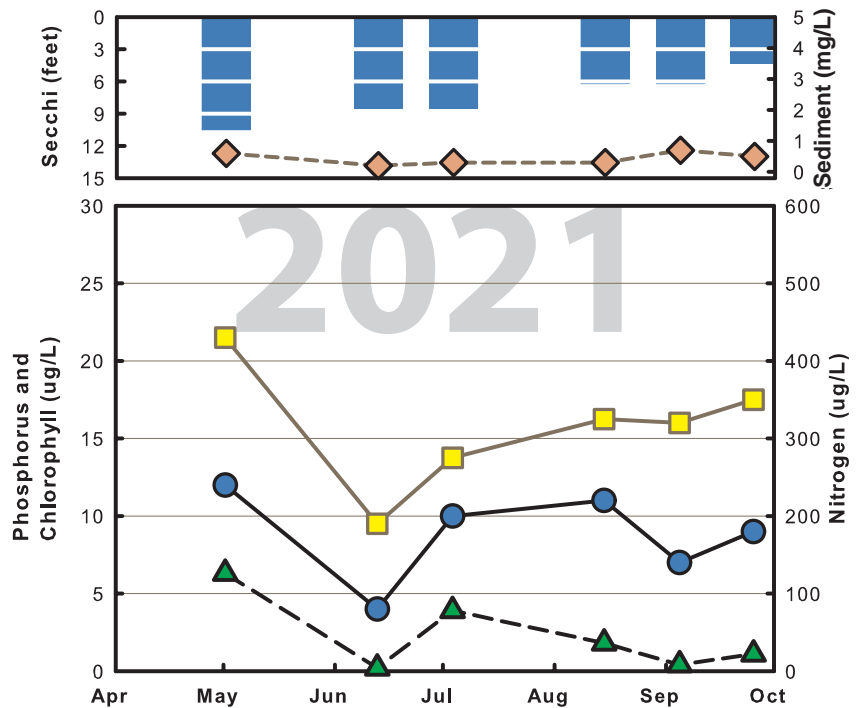
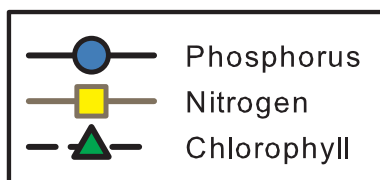
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

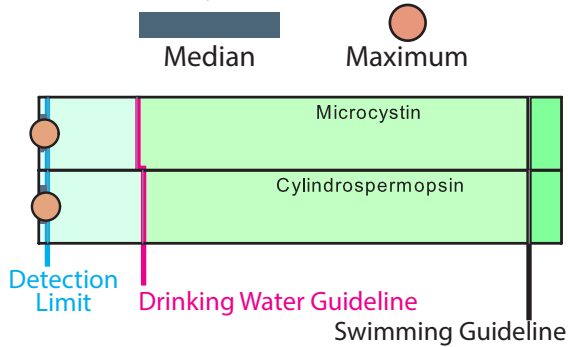
Legend for 2021 and Trend graphs



Finger Lake

2021 Data Table		7/5	Mean*
Temp (F)			
Secchi (feet)			
Phosphorus (µg/L)			
Nitrogen (µg/L)			
Ammonium (µg/L)	<10		<10
Nitrate (µg/L)	<5		<5
Chlorophyll (µg/L)	5.7		5.7
Sediment (mg/L)	2.4		2.4
Microcystin (µg/L)	<0.10		<0.10
Cylindro (µg/L)	<0.04		<0.04

2021 Cyanotoxin Results

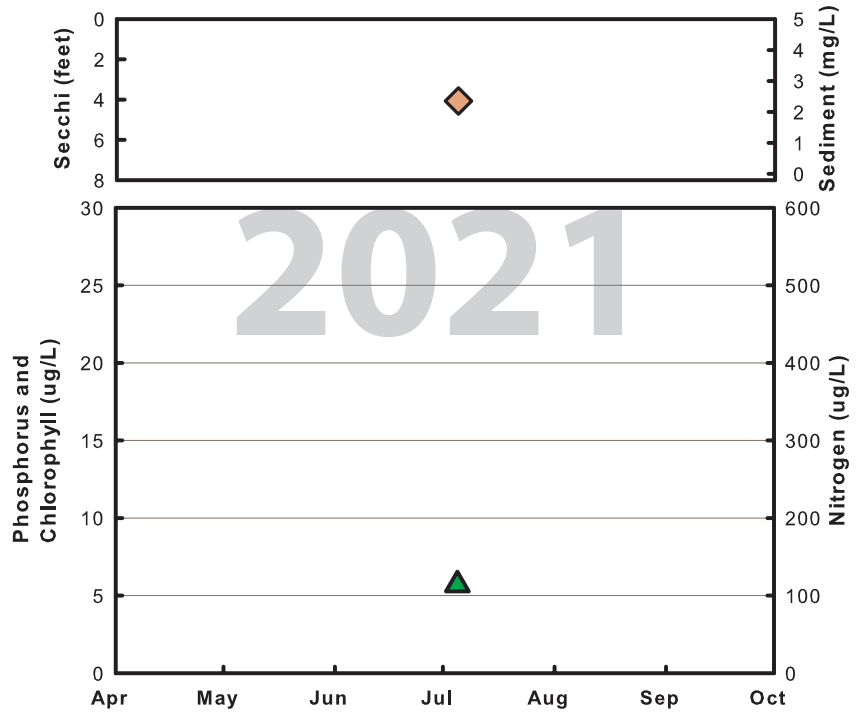


(* Table shows geometric means)

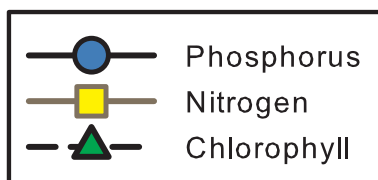
Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)



Legend for 2021 and Trend graphs



TRENDS

Forest Site 1

2021 Data Table	4/27	5/21	6/9	7/1	7/20	8/11	9/23	Mean*
Temp (F)	56	66	80	78	82	81	74	73
Secchi (feet)	2.6	3.9	5.9	4.9	2.6	3.3	3.6	3.7
Phosphorus (µg/L)	28	17	12	16	28	19	17	19
Nitrogen (µg/L)	480	390	280	310	400	545	385	390
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	5.4	4.9	3.3	5.4	7.1	13.6	9.0	6.3
Sediment (mg/L)	6.6	3.3	1.9	2.7	6.5	2.9	2.3	3.4
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2021 Toxin Data

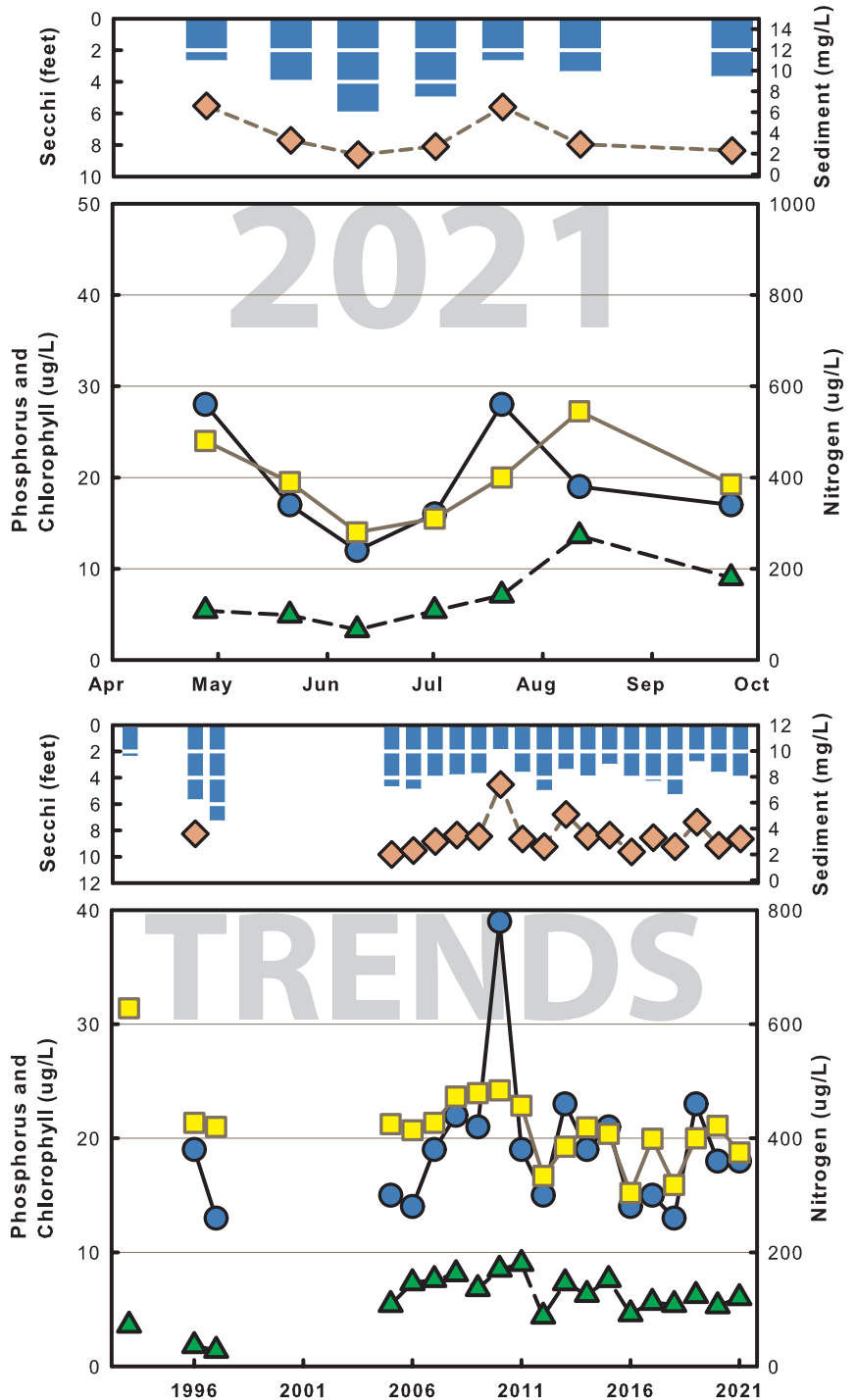
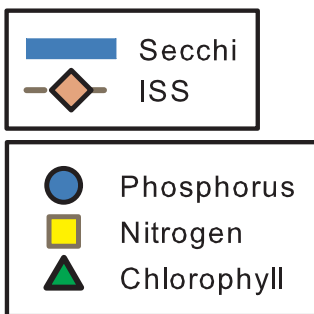
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs



Forest Site 2

2021 Data Table	4/27	5/21	6/9	7/1	7/20	8/11	9/23	Mean*
Temp (F)	60	68	80	80	82	83	74	75
Secchi (feet)	2.0	2.6	3.3	2.0	3.0	2.3	1.3	2.3
Phosphorus (µg/L)	30	25	17	45	32	32	34	30
Nitrogen (µg/L)	490	450	295	520	405	640	470	456
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	8.4	9.0	3.8	29.0	10.6	22.4	13.3	11.5
Sediment (mg/L)	8.7	5.4	2.4	6.0	5.1	5.7	9.9	5.7
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2021 Toxin Data

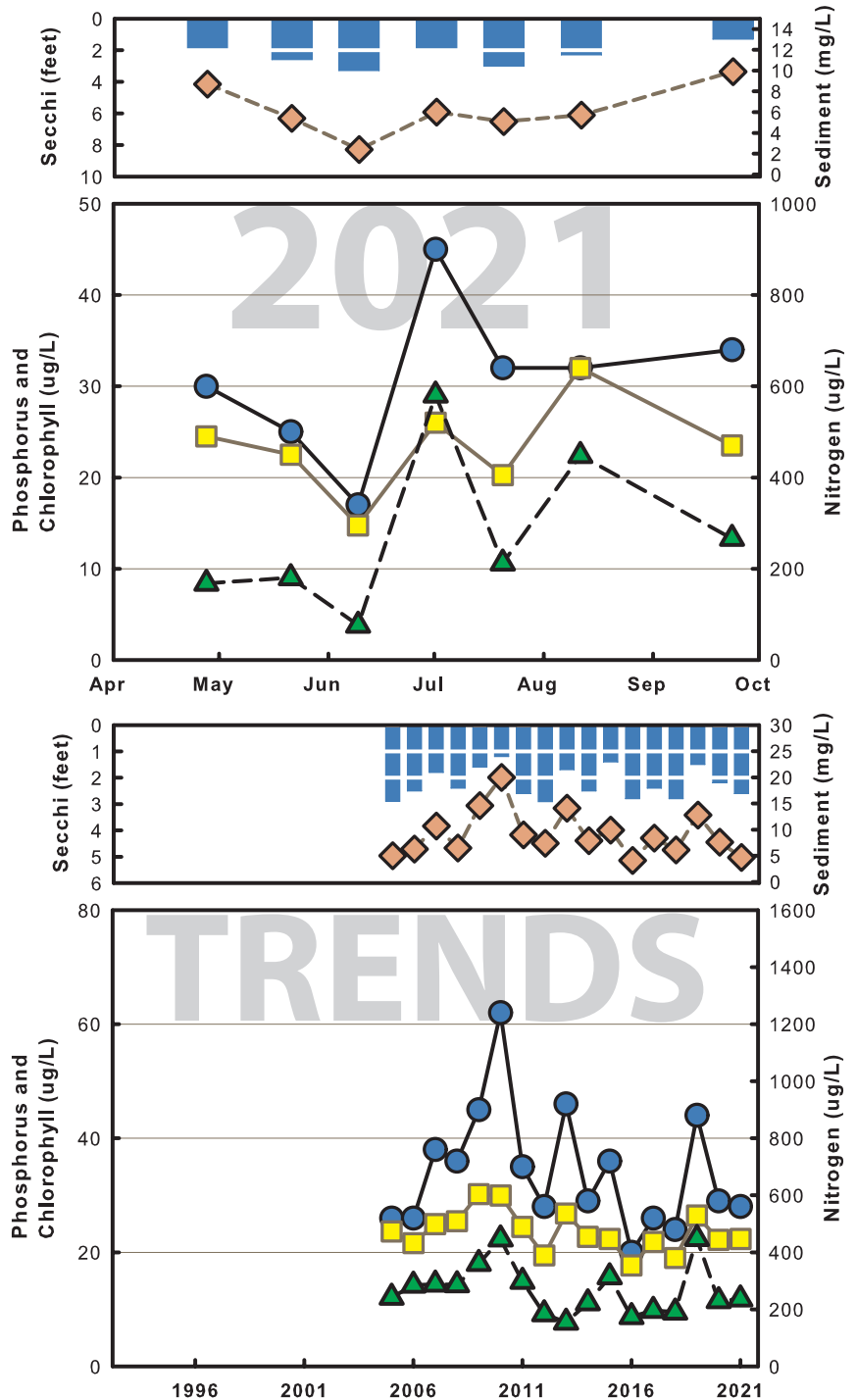
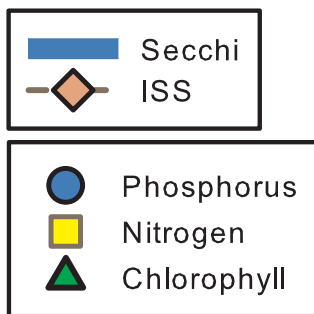
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

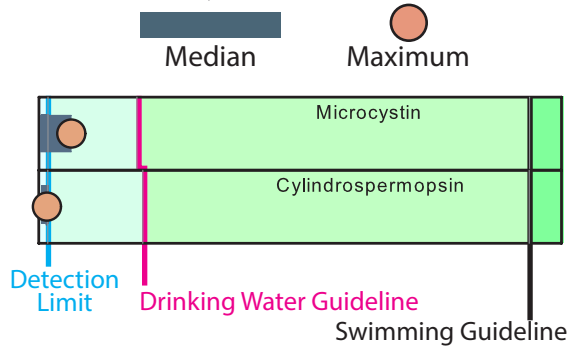
Legend for 2021 and Trend graphs



Grindstone

2021 Data Table	6/16	Mean*
Temp (F)	83	83
Secchi (feet)	2.0	2.0
Phosphorus (µg/L)	100	100
Nitrogen (µg/L)	3565	3565
Ammonium (µg/L)		
Nitrate (µg/L)		
Chlorophyll (µg/L)	44.9	44.9
Sediment (mg/L)	4.7	4.7
Microcystin (µg/L)	0.53	0.53
Cylindro (µg/L)	<0.04	<0.04

2021 Cyanotoxin Results



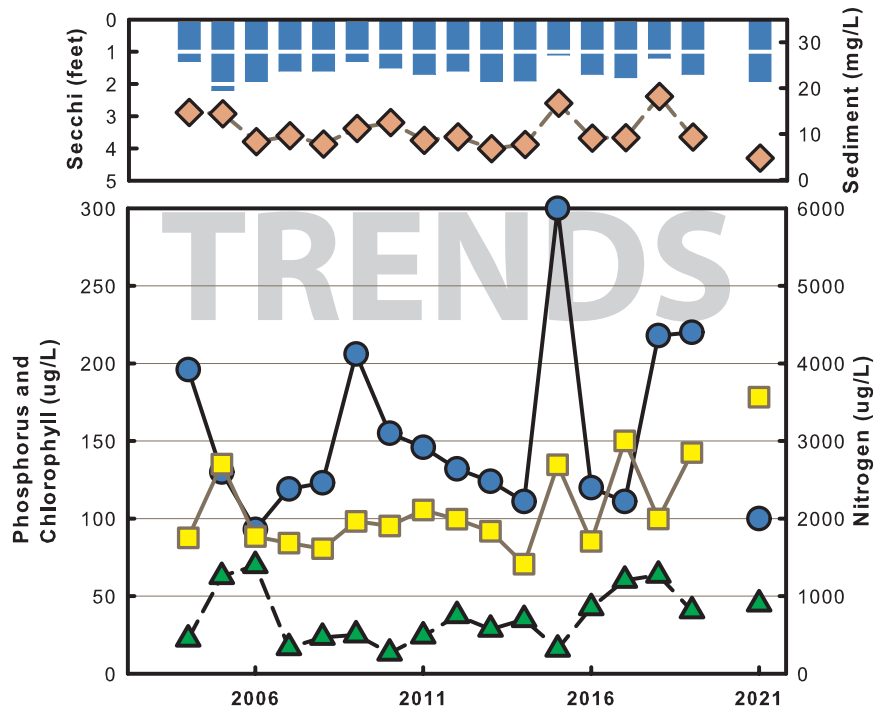
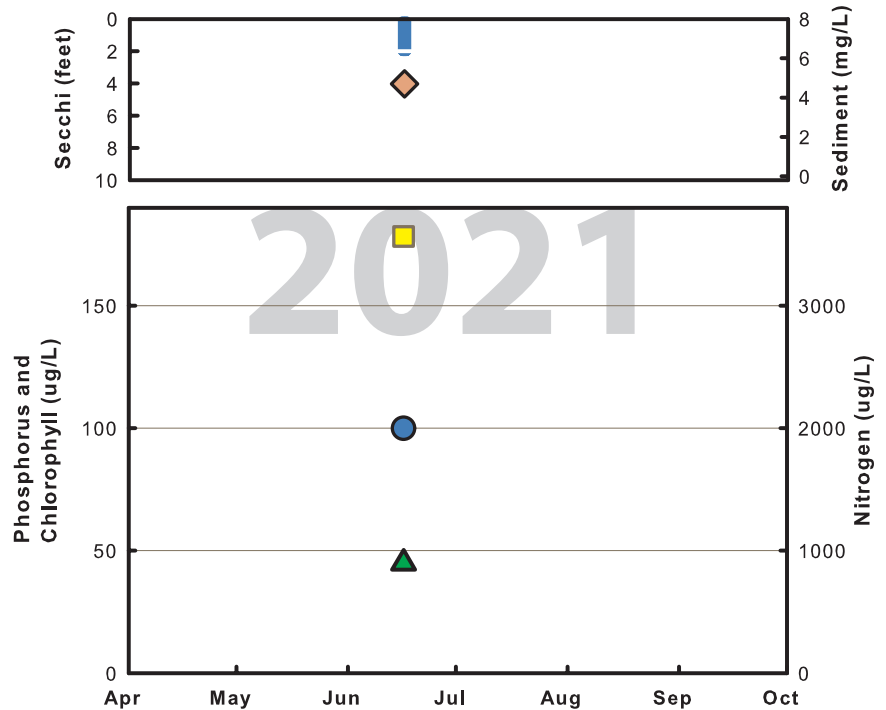
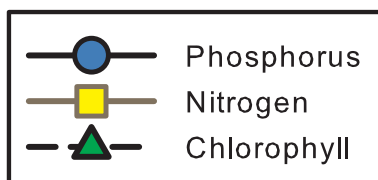
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs



Hazel Creek Site 1

2021 Data Table	4/27	5/20	6/9	7/1	7/20	8/11	9/23	Mean*
Temp (F)	58	65	80	79	81	82	73	74
Secchi (feet)	3.6	4.3	7.5	5.6	3.3	3.6	2.3	4.0
Phosphorus (µg/L)	21	18	12	18	30	26	24	21
Nitrogen (µg/L)	920	830	595	505	675	715	770	703
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	7.2	14.3	5.1	7.7	21.7	21.7	14.2	11.5
Sediment (mg/L)	4.2	1.1	0.9	1.2	2.3	2.9	2.8	1.9
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2021 Toxin Data

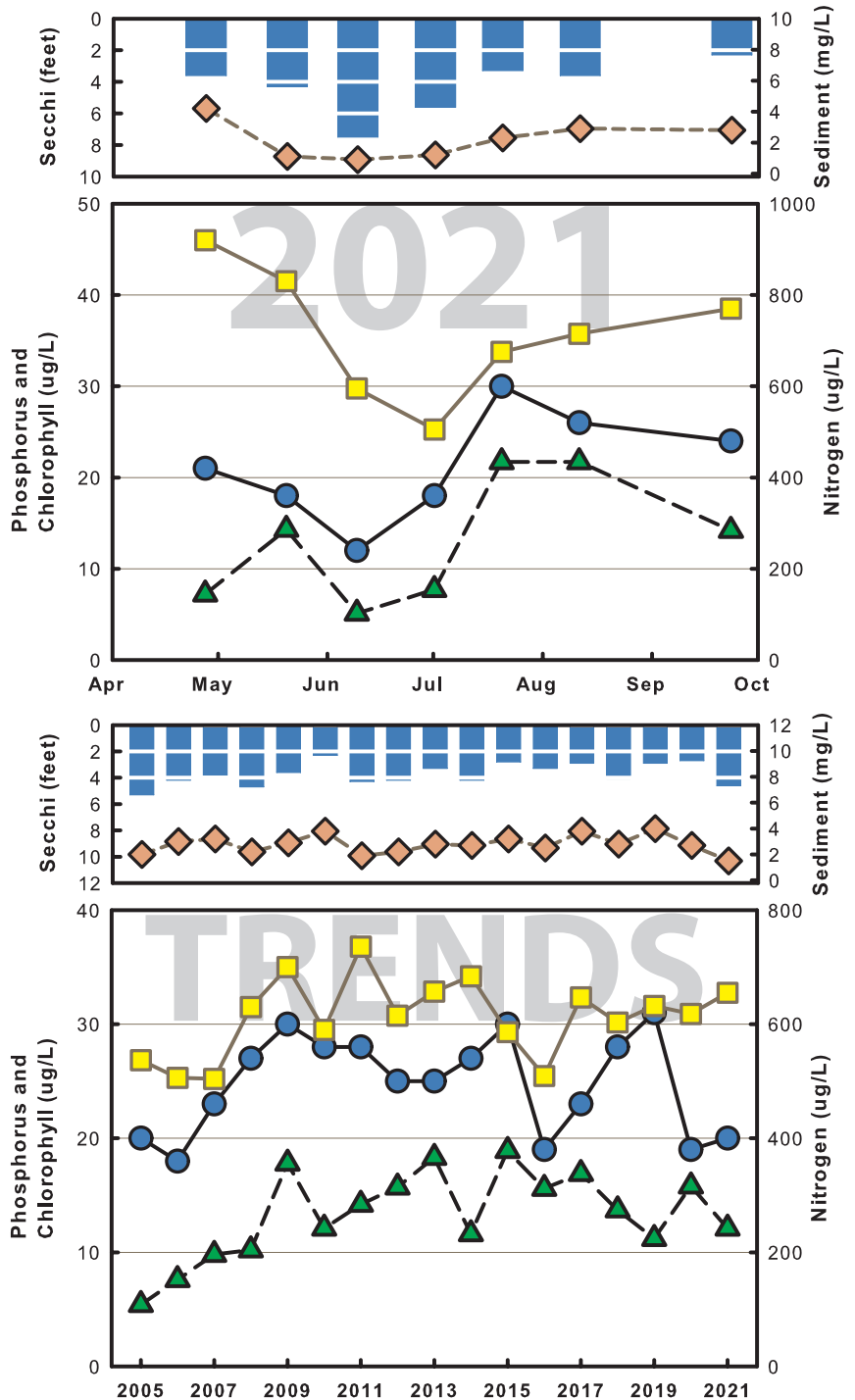
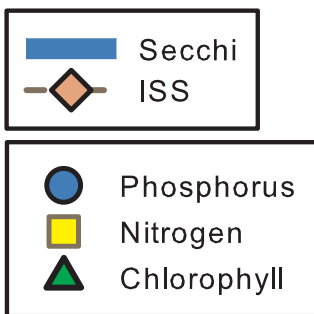
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs



Hazel Creek Site 2

2021 Data Table	4/27	5/20	6/9	7/1	7/20	8/11	9/23	Mean*
Temp (F)	56	63	80	79	83	81	73	73
Secchi (feet)	3.3	3.9	6.2	3.0	2.6	3.3	1.3	3.1
Phosphorus (µg/L)	28	19	18	45	40	34	33	29
Nitrogen (µg/L)	970	865	565	640	795	805	735	757
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	7.2	12.9	4.3	18.0	25.8	29.4	24.3	14.5
Sediment (mg/L)	4.0	2.7	0.9	3.4	4.0	2.7	6.0	3.0
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2021 Toxin Data

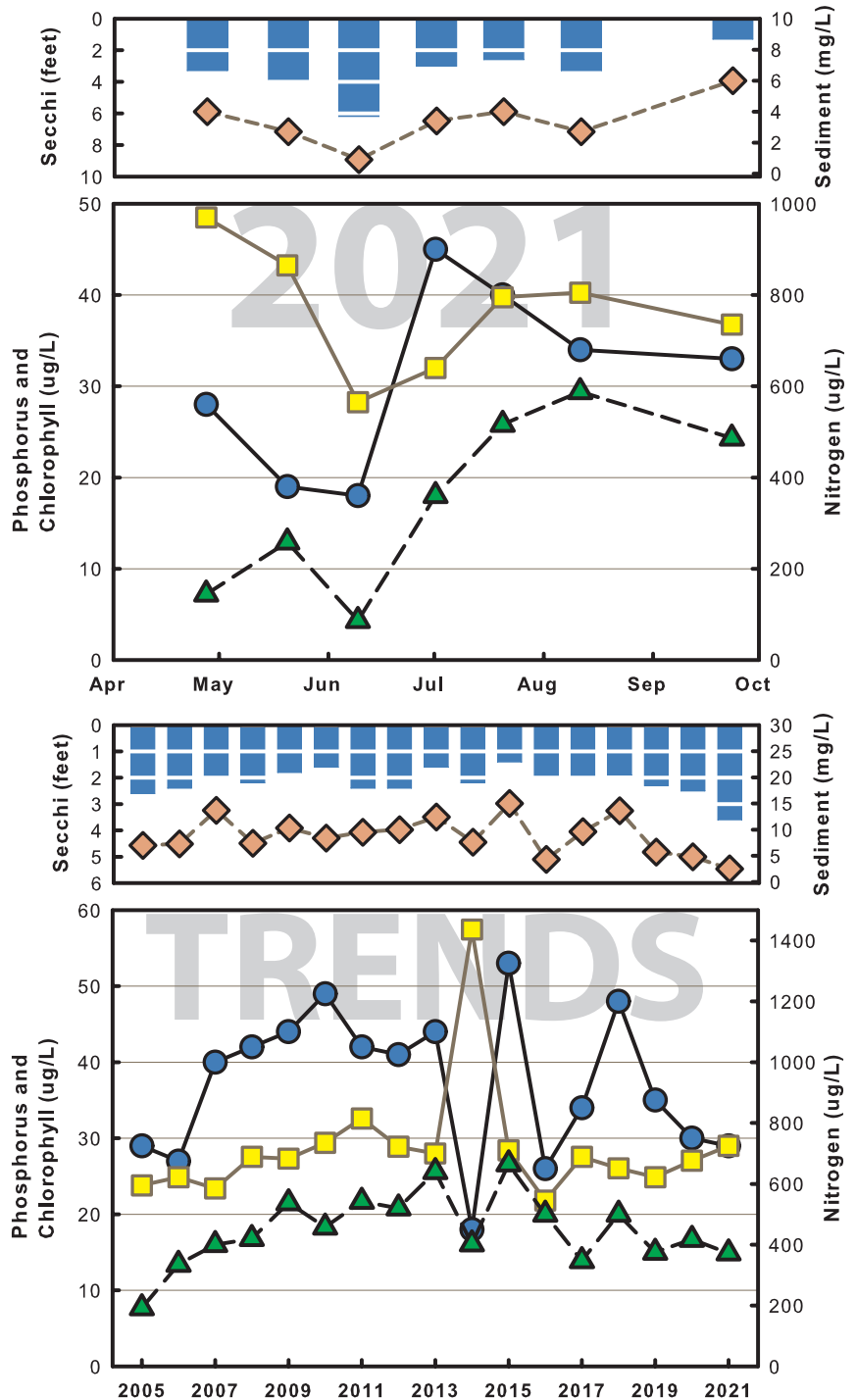
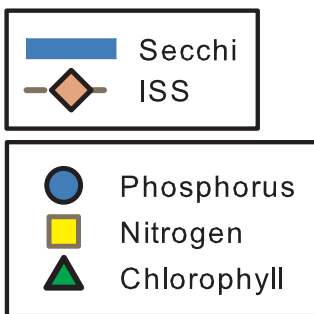
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

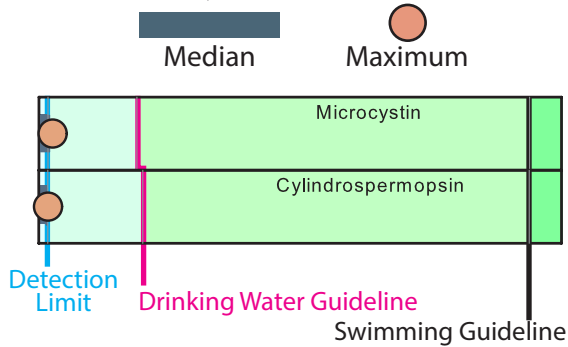
Legend for 2021 and Trend graphs



Hunnewell

2021 Data Table	4/30	6/15	7/2	8/10	Mean*
Temp (F)	66	82	79	83	77
Secchi (feet)	2.3	4.6	2.6	2.6	2.9
Phosphorus (µg/L)	71	28	54	44	47
Nitrogen (µg/L)	945	790	730	915	840
Ammonium (µg/L)					
Nitrate (µg/L)					
Chlorophyll (µg/L)	36.1	8.6	22.1	28.9	21.1
Sediment (mg/L)	7.9	1.6	4.4	1.9	3.2
Microcystin (µg/L)	<0.10	0.15	0.22	0.20	0.14
Cylindro (µg/L)	0.05	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



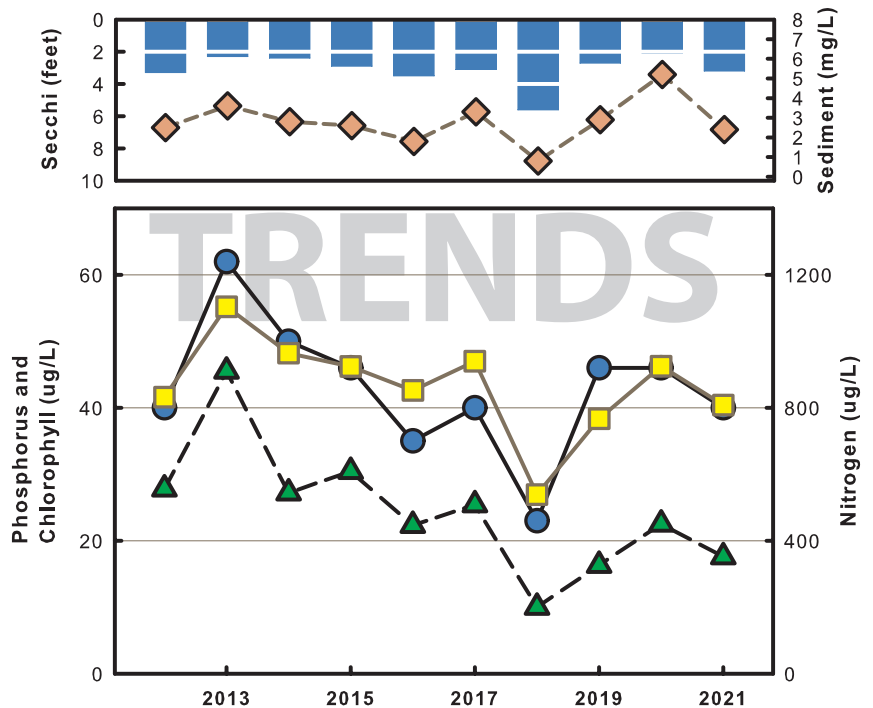
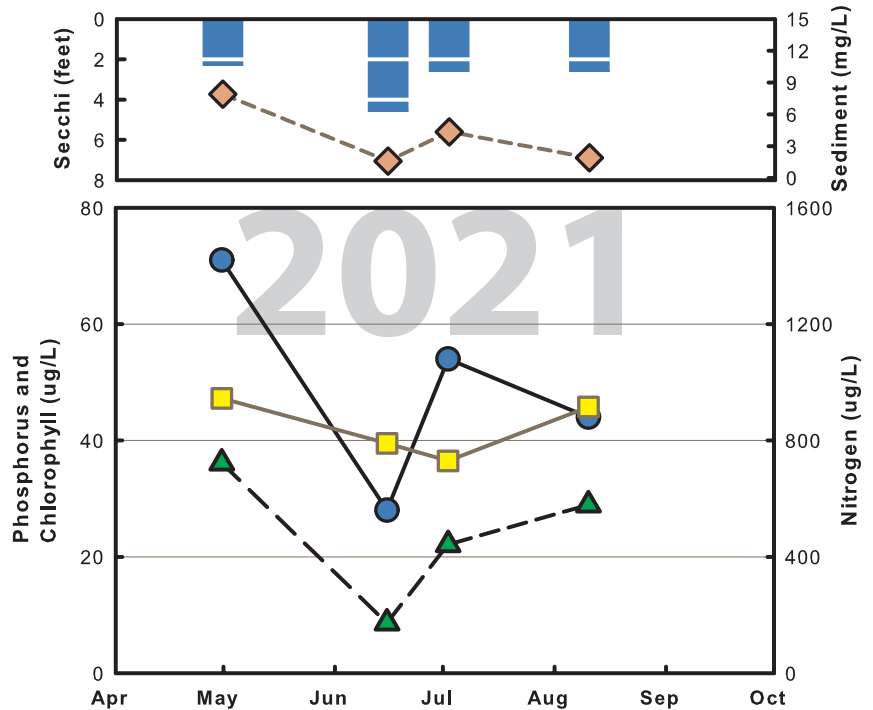
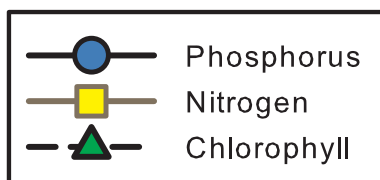
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs



Jacomo

2021 Data Table	4/30	5/20	6/7	7/1	7/19	8/13	8/29	9/19	Mean*
Temp (F)	58		77	78	81	81	84	77	76
Secchi (feet)	6.2	5.6	6.6	3.3	3.3	3.0	2.3	2.6	3.8
Phosphorus (µg/L)	26	18	13	18	17	23	22	22	19
Nitrogen (µg/L)	580	440	365	430	400	505	600	535	475
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	11.9	11.1	4.8	15.0	12.2	22.9	26.4	26.5	14.4
Sediment (mg/L)	1.7	<0.1	0.2	<0.1	0.5	0.9	0.8	0.7	0.3
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2021 Toxin Data

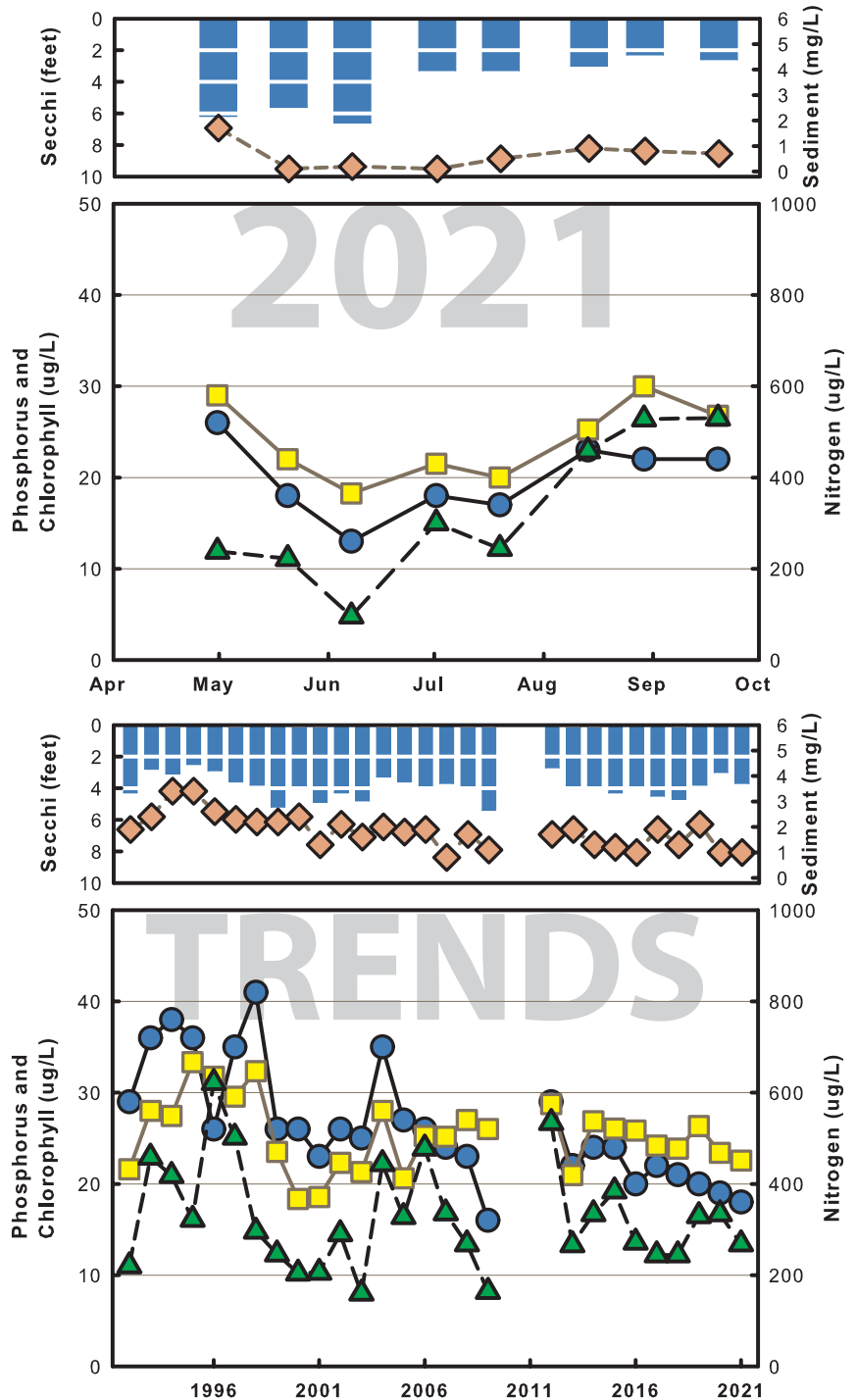
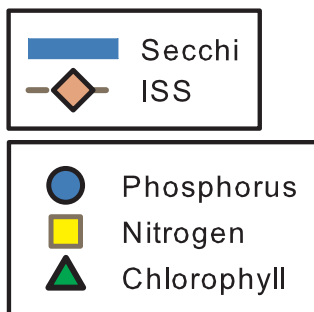
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

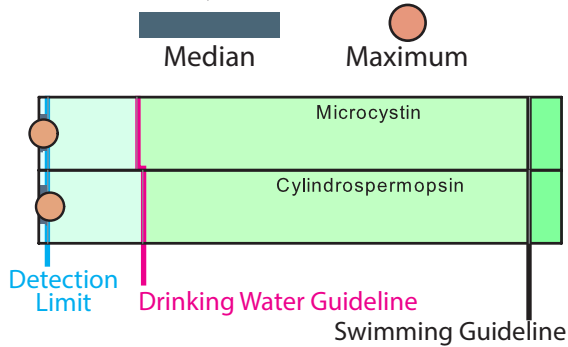
Legend for 2021 and Trend graphs



Lafayette Park Lake

2021 Data Table	7/19	8/10	9/6	Mean*
Temp (F)	83	85	80	83
Secchi (feet)	1.6	2.6	2.3	2.1
Phosphorus (µg/L)	176	128	73	118
Nitrogen (µg/L)	1570	885	835	1051
Ammonium (µg/L)	68	189	29	72
Nitrate (µg/L)	156	31	14	41
Chlorophyll (µg/L)	77.3	27.9	44.2	45.7
Sediment (mg/L)	5.2	3.0	3.7	3.8
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	0.11	<0.04	<0.04	<0.04

2021 Cyanotoxin Results

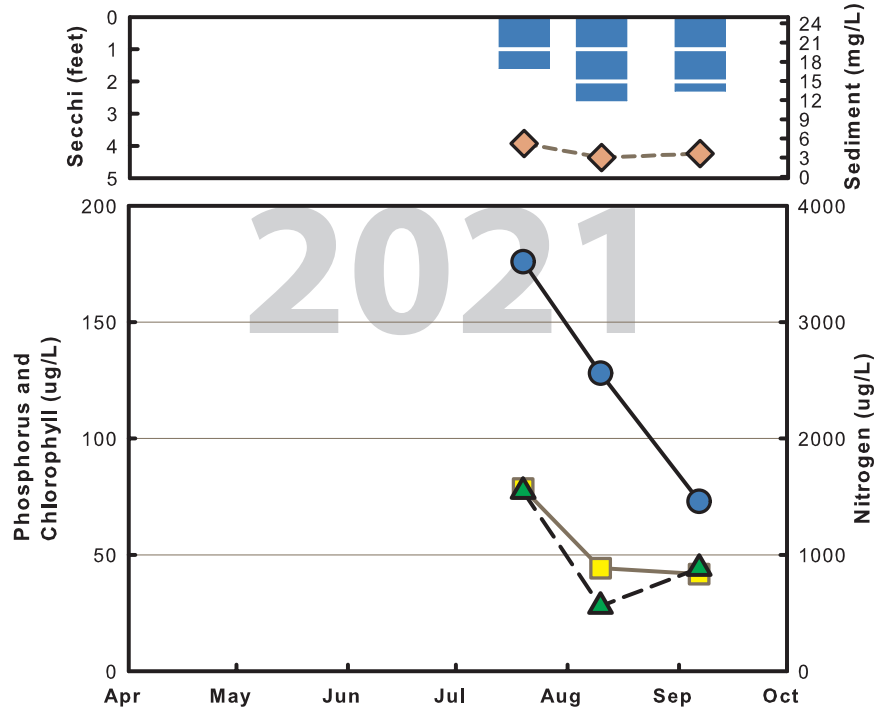


(* Table shows geometric means)

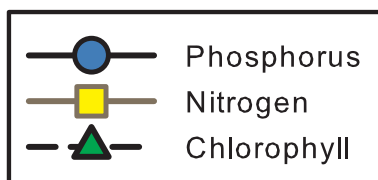
Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)



Legend for 2021 and Trend graphs

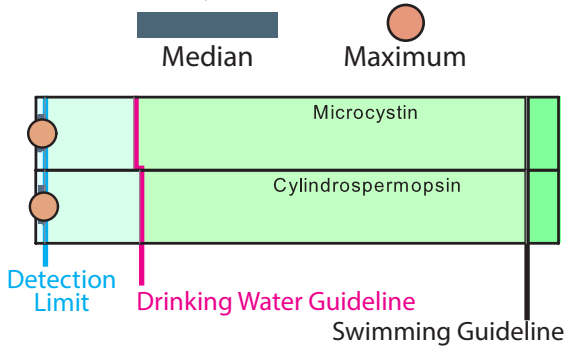


TRENDS

Lake of the Woods

2021 Data Table	5/1	6/11	7/2	Mean*
Temp (F)	68	84	73	
Secchi (feet)	2.3	3.0	1.0	1.9
Phosphorus (µg/L)	72	95	134	97
Nitrogen (µg/L)	460	443	720	527
Ammonium (µg/L)	23	<10	163	27
Nitrate (µg/L)	<5	<5	282	14
Chlorophyll (µg/L)	31.4	13.1	10.0	16.0
Sediment (mg/L)	5.7	2.9	19.1	6.8
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



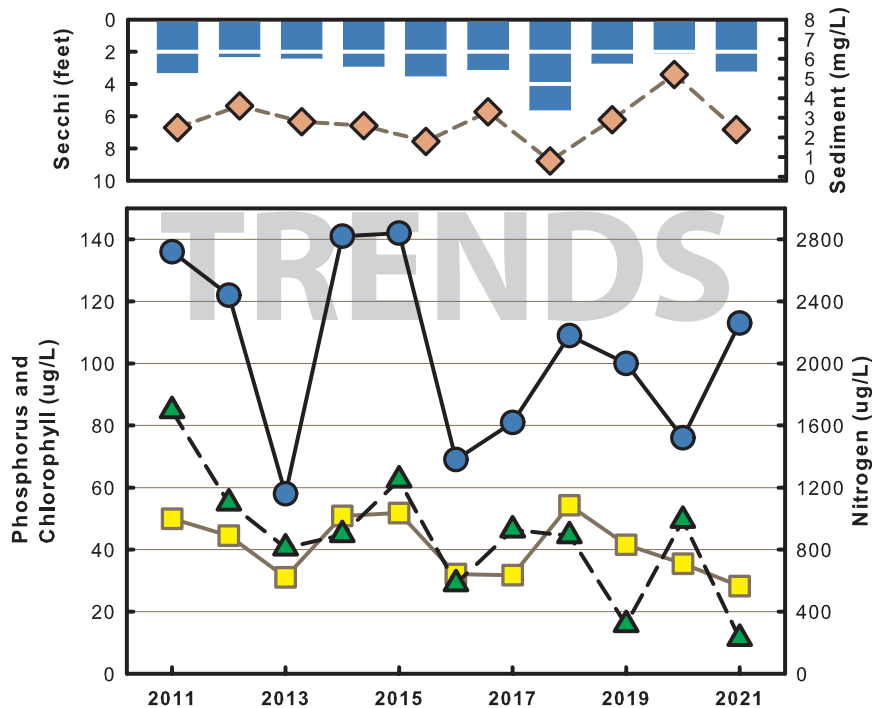
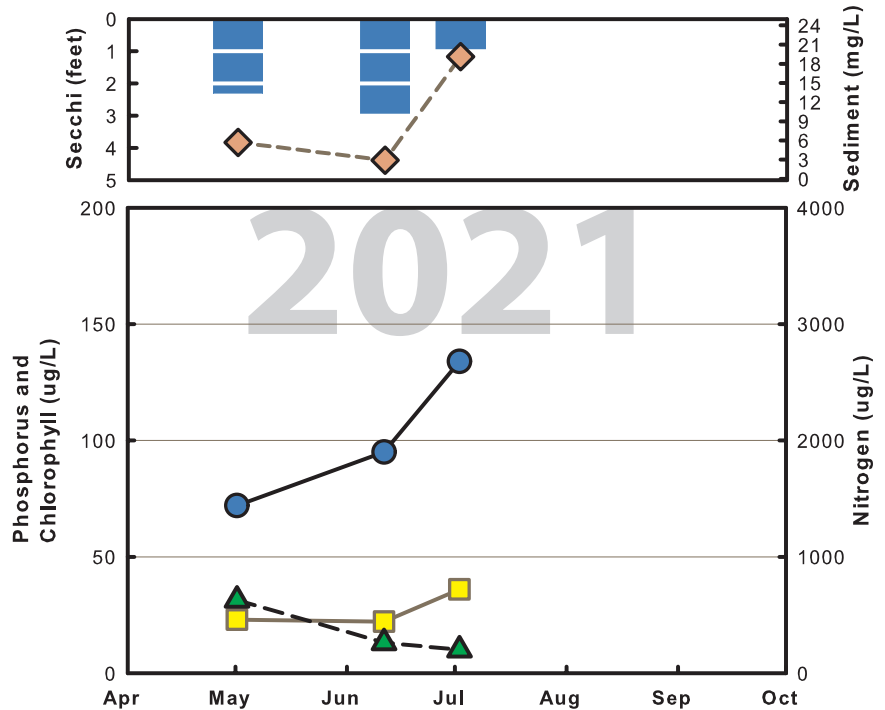
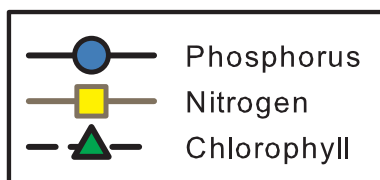
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

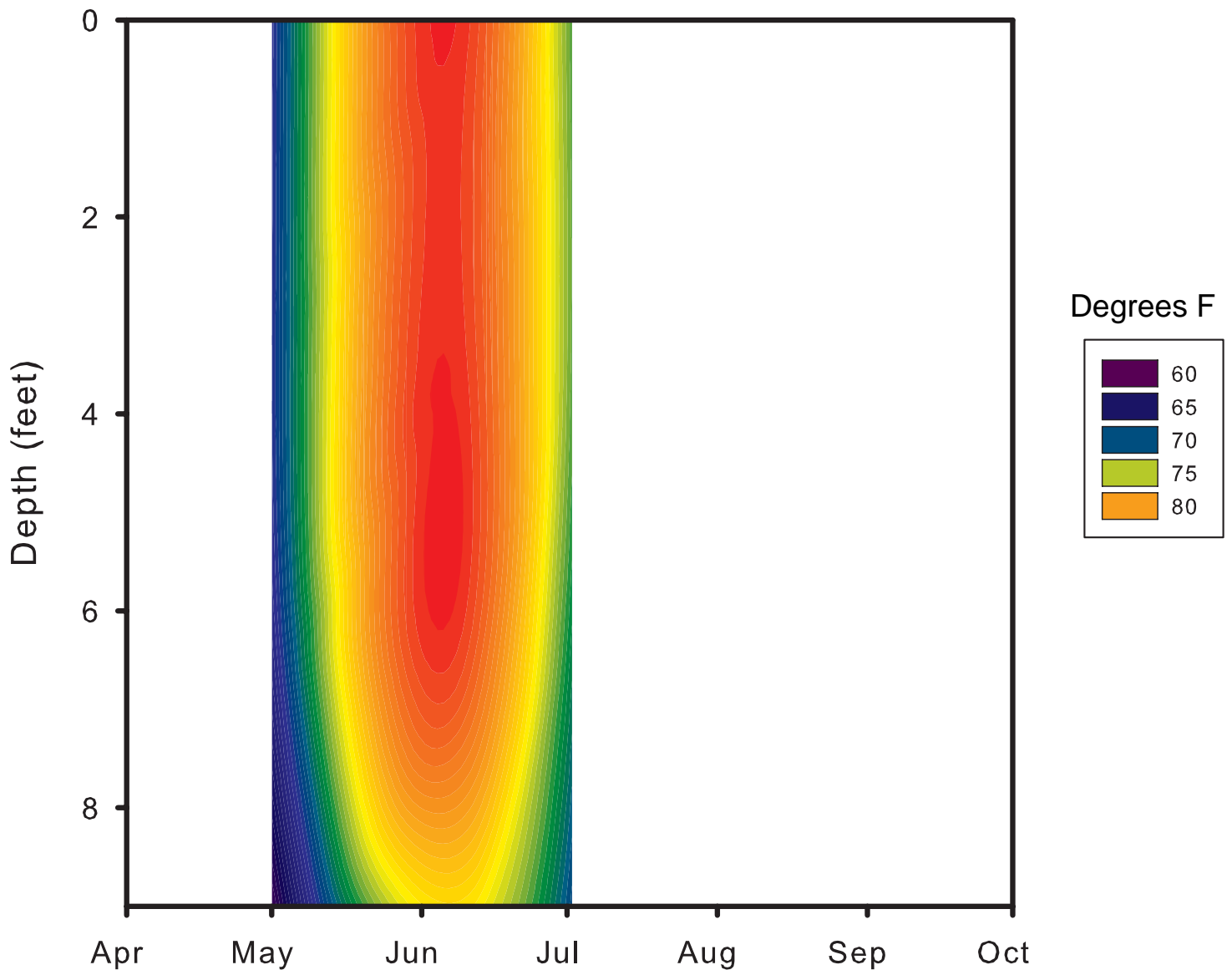


Lake of the Woods

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

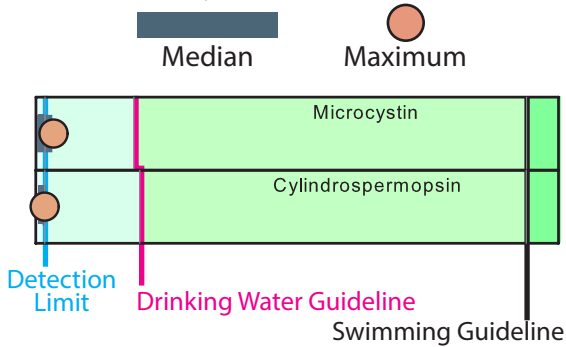
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Lick Creek

2021 Data Table	5/12	7/30	8/26	Mean*
Temp (F)	67	88	88	80
Secchi (feet)				#NUM!
Phosphorus (µg/L)	58	68	25	46
Nitrogen (µg/L)	750	1025	655	796
Ammonium (µg/L)	24	27	36	29
Nitrate (µg/L)	8	10	6	8
Chlorophyll (µg/L)	9.6	10.8	6.8	8.9
Sediment (mg/L)	21.8	13.2	2.2	8.6
Microcystin (µg/L)	<0.10	0.26	0.29	0.16
Cylindro (µg/L)	0.04	0.04	<0.04	<0.04

2021 Cyanotoxin Results



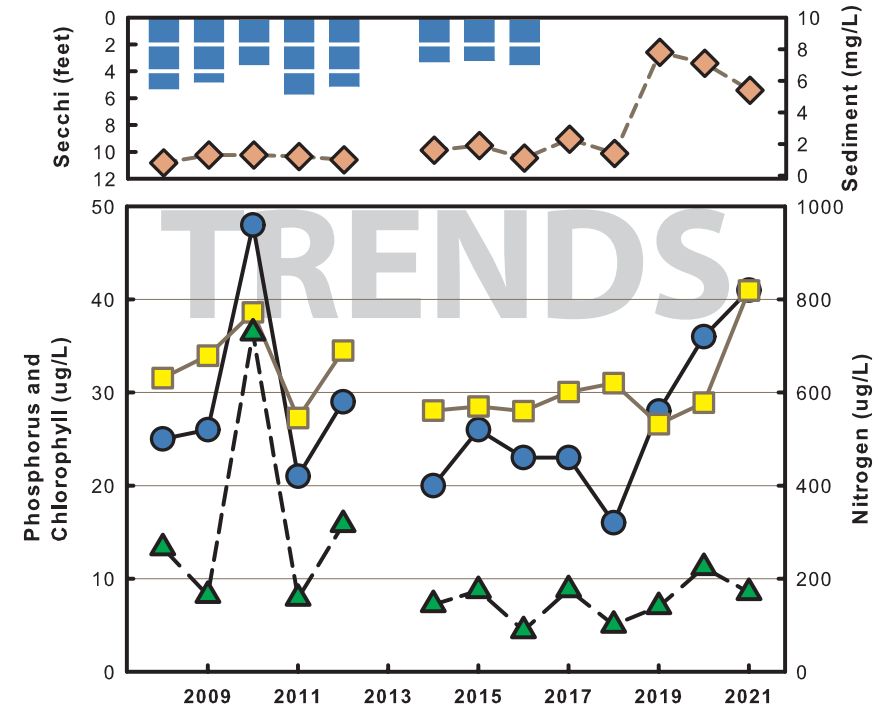
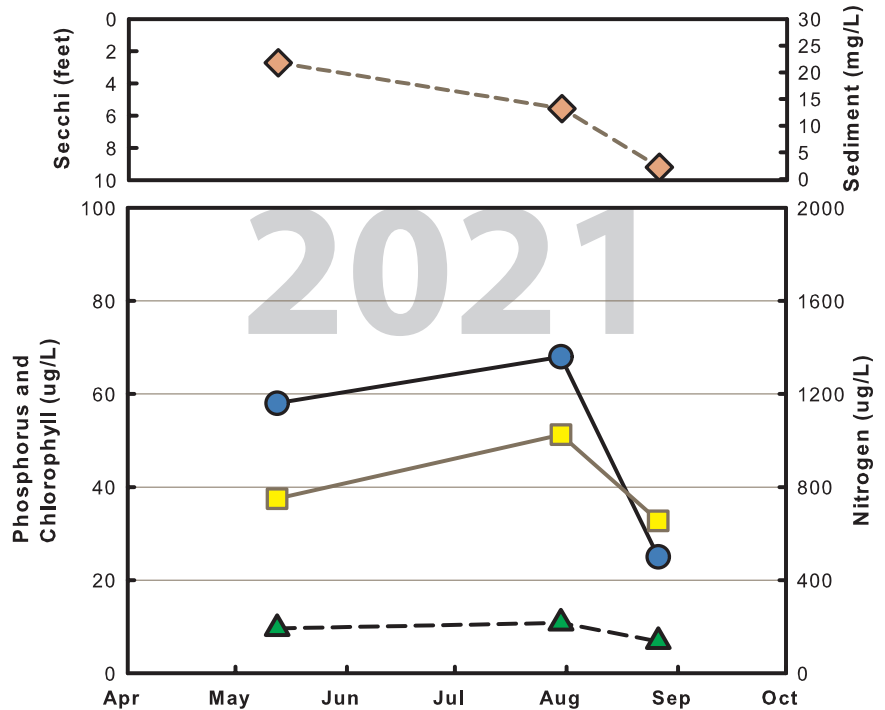
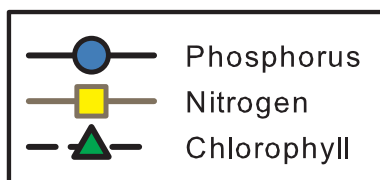
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

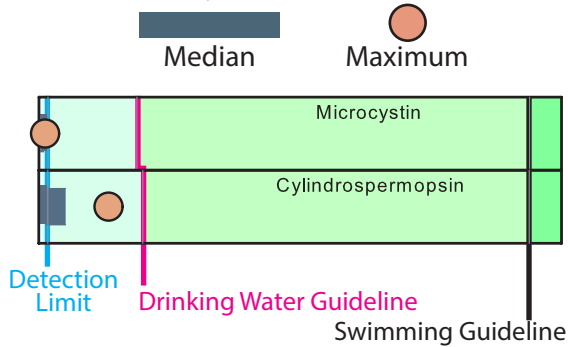
Legend for 2021 and Trend graphs



Lincoln

2021 Data Table	7/26	8/15	9/6	9/26	Mean*
Temp (F)	85	80	78	70	78
Secchi (feet)	6.9	6.9	3.6	3.6	5.0
Phosphorus (µg/L)	11	14	18	21	16
Nitrogen (µg/L)	420	425	410	600	458
Ammonium (µg/L)	19	22	<10	24	15
Nitrate (µg/L)	<5	<5	<5	<5	<5
Chlorophyll (µg/L)	4.5	4.9	12.3	15.8	8.1
Sediment (mg/L)	1.1	1.3	1.4	2.0	1.4
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	0.22	0.97	1.90	0.30

2021 Cyanotoxin Results

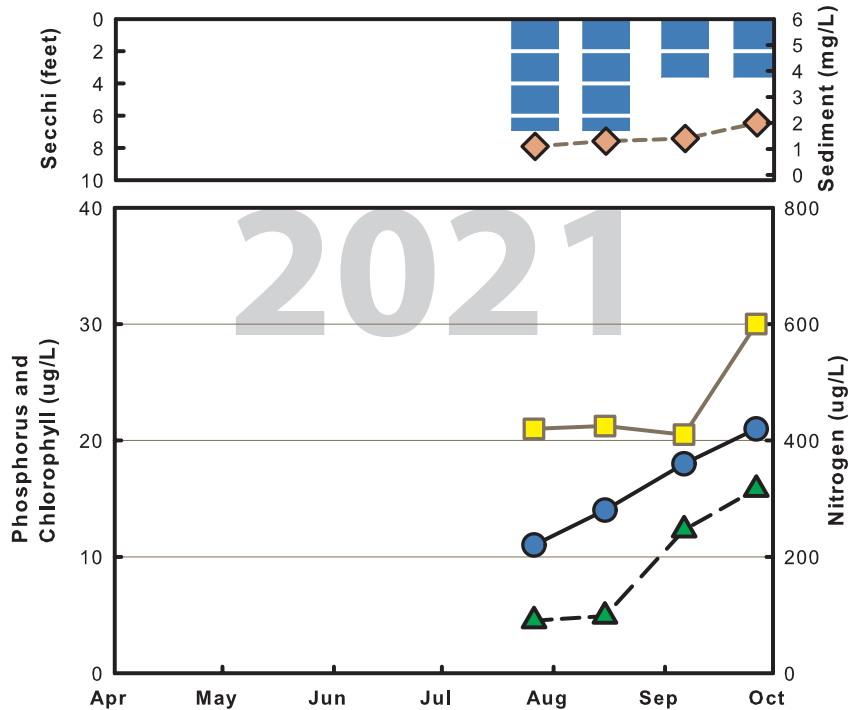


(* Table shows geometric means)

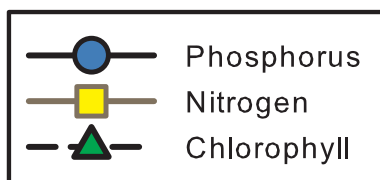
Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)



Legend for 2021 and Trend graphs

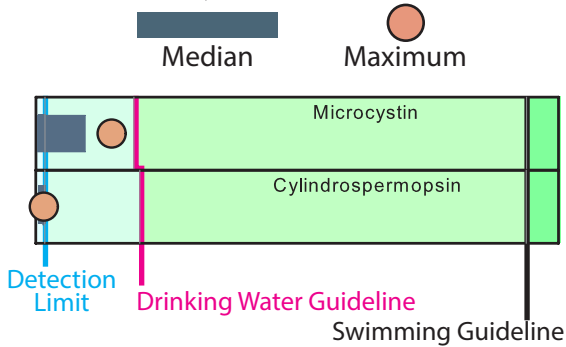


TRENDS

Little Dixie

2021 Data Table	6/11	7/3	7/24	8/14	Mean*
Temp (F)	80	81	89	85	84
Secchi (feet)	4.3	5.2	2.6	3.6	3.8
Phosphorus (µg/L)	54	65	54	67	60
Nitrogen (µg/L)	1360	1060	1875	2000	1525
Ammonium (µg/L)	11	61	958	990	159
Nitrate (µg/L)	<5	27	221	186	43
Chlorophyll (µg/L)	58.3	38.2	31.7	36.0	39.9
Sediment (mg/L)	2.6	4.2	5.9	12.9	5.3
Microcystin (µg/L)	1.07	0.15	0.54	1.22	0.57
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



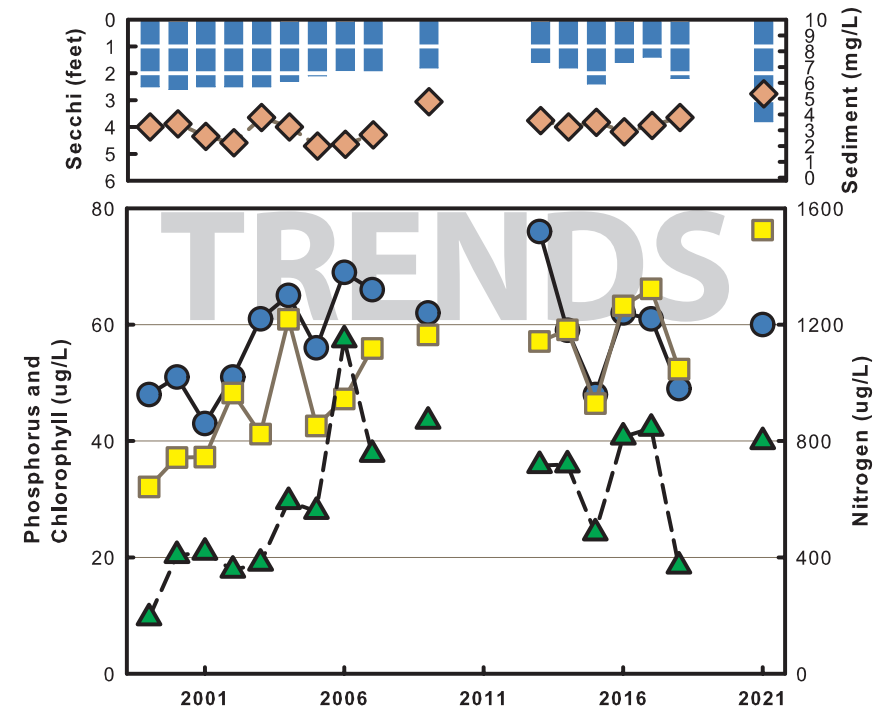
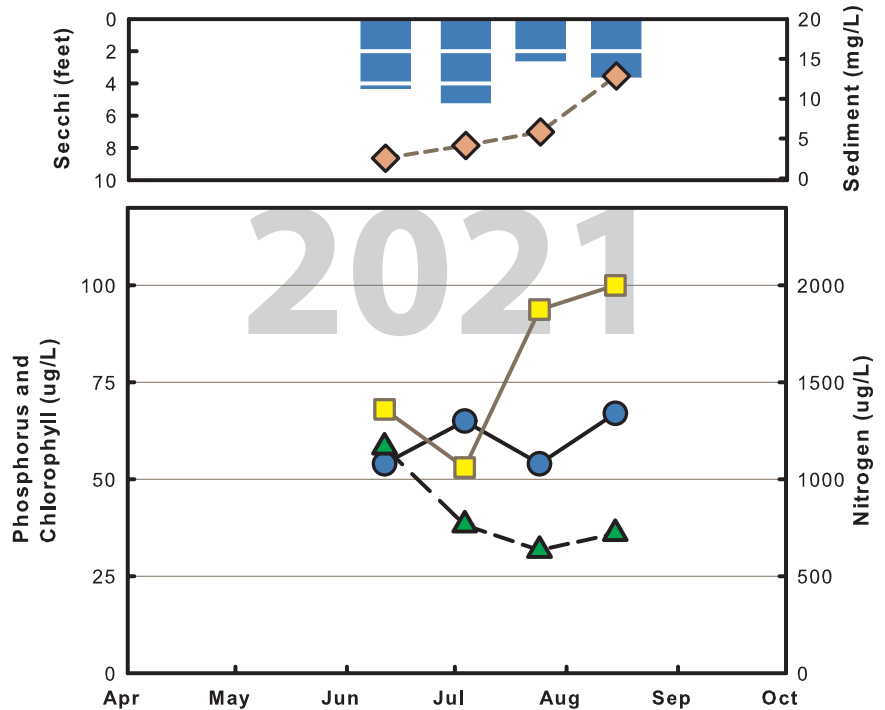
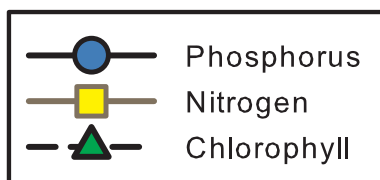
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

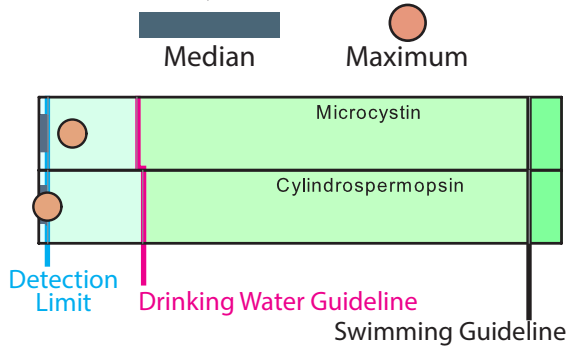
Legend for 2021 and Trend graphs



Longbranch

2021 Data Table	4/25	5/22	6/6	6/28	7/21	8/10	8/31	9/25	Mean*
Temp (F)	54	62	69	78	87	77	81	70	72
Secchi (feet)	1.0	0.7	1.0	1.6	2.6	1.6	1.6	1.3	1.3
Phosphorus (µg/L)	142	148	160	87	36	66	38	51	78
Nitrogen (µg/L)	1110	1200	1430	870	805	785	810	880	964
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	4.5	5.8	5.0	20.0	13.3	20.6	33.5	34.2	13.0
Sediment (mg/L)	12.3	16.4	7.9	7.0	1.4	6.8	3.1	5.9	6.1
Microcystin (µg/L)	<0.10	0.11	<0.10	0.13	0.44	0.23	0.17	0.54	0.15
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



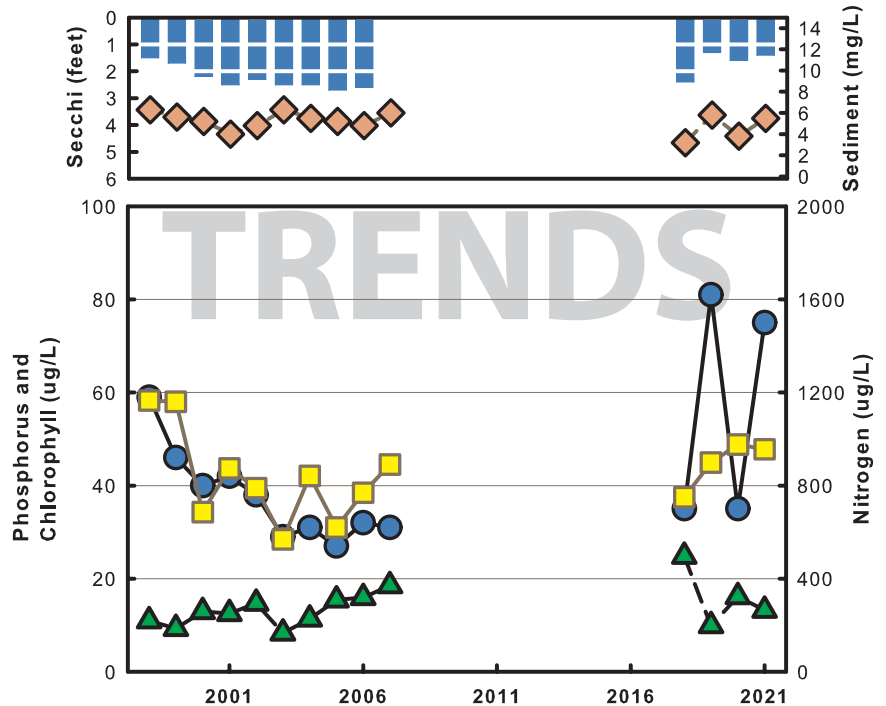
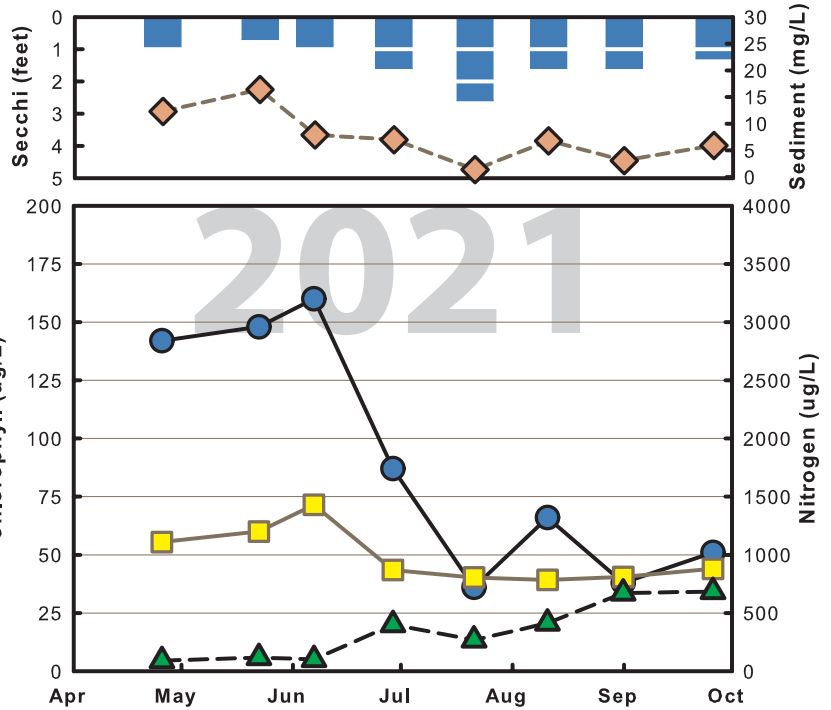
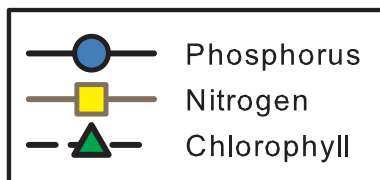
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs



Longview

2021 Data Table	4/29	5/21	6/9	6/30	7/20	8/12	9/1	9/22	Mean*
Temp (F)	58	67	80	77	80	81	80	74	74
Secchi (feet)	4.6	3.6	5.9	4.3	3.3	3.9	3.0	3.9	4.0
Phosphorus (µg/L)	38	40	33	44	21	21	28	19	29
Nitrogen (µg/L)	500	550	375	325	510	550	505	435	462
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	7.6	14.3	9.5	27.4	17.1	19.3		14.7	14.5
Sediment (mg/L)	3.0	2.8	1.3	1.5	2.2	2.1		1.8	2.0
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2021 Toxin Data

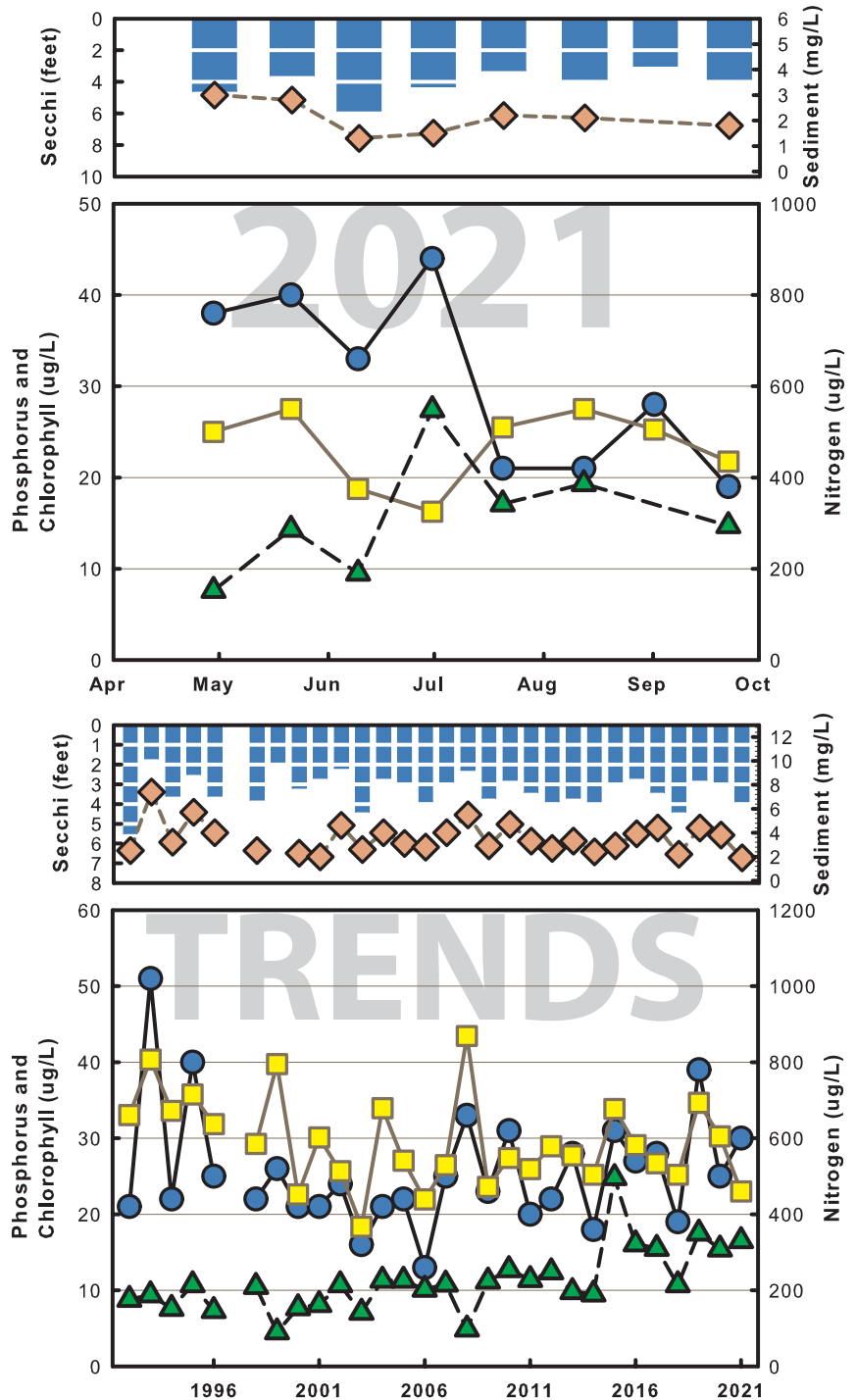
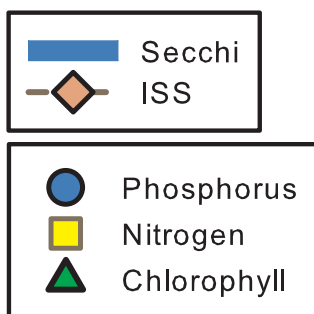
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

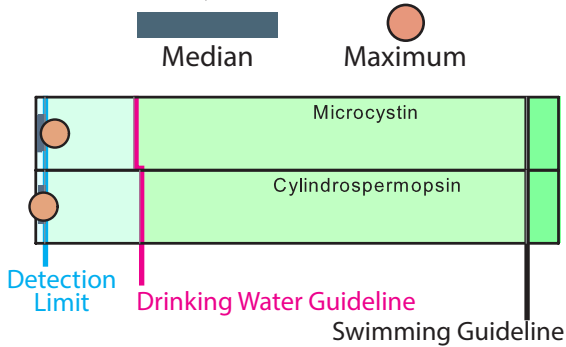
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 1.2

2021 Data Table	4/28	5/18	6/8	6/29	7/10	9/1	9/23	Mean*
Temp (F)	61	66	79	82	84	85	81	76
Secchi (feet)	3.0	5.2	3.3	3.6	3.9	5.6	4.9	4.1
Phosphorus (µg/L)	74	46	54	47	30	25	40	43
Nitrogen (µg/L)	960	918	955	755	595	550	655	752
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	13.1	7.0	47.0	40.6	30.6	18.5	13.0	20.0
Sediment (mg/L)	4.5	2.6	5.0	2.2	1.5	1.4	2.1	2.5
Microcystin (µg/L)	<0.10	0.15	<0.10	0.29	0.11	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



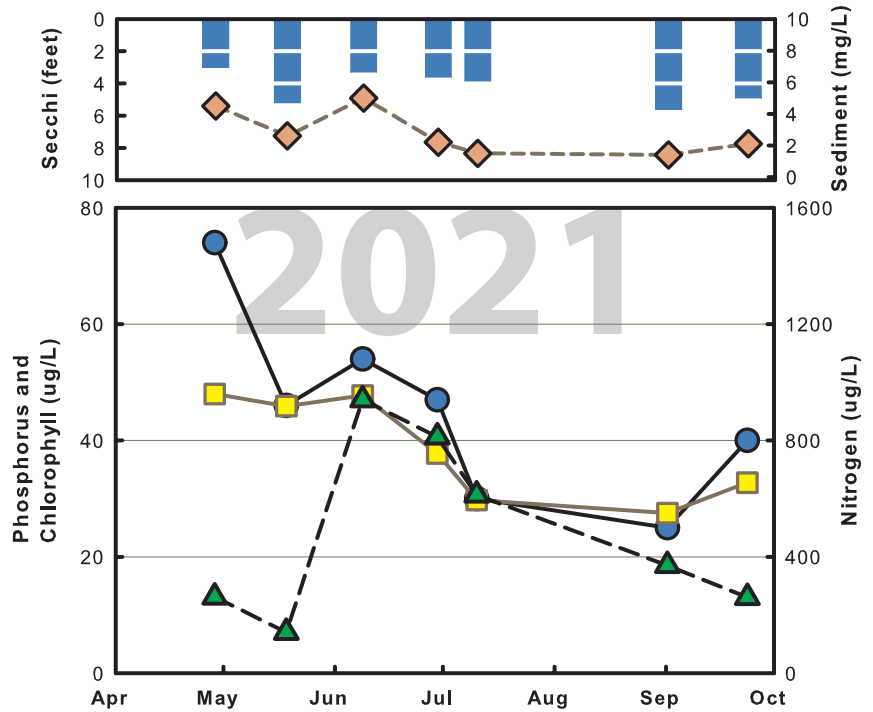
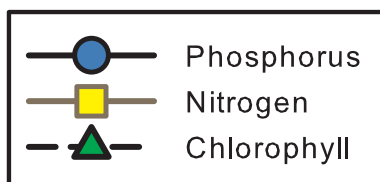
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

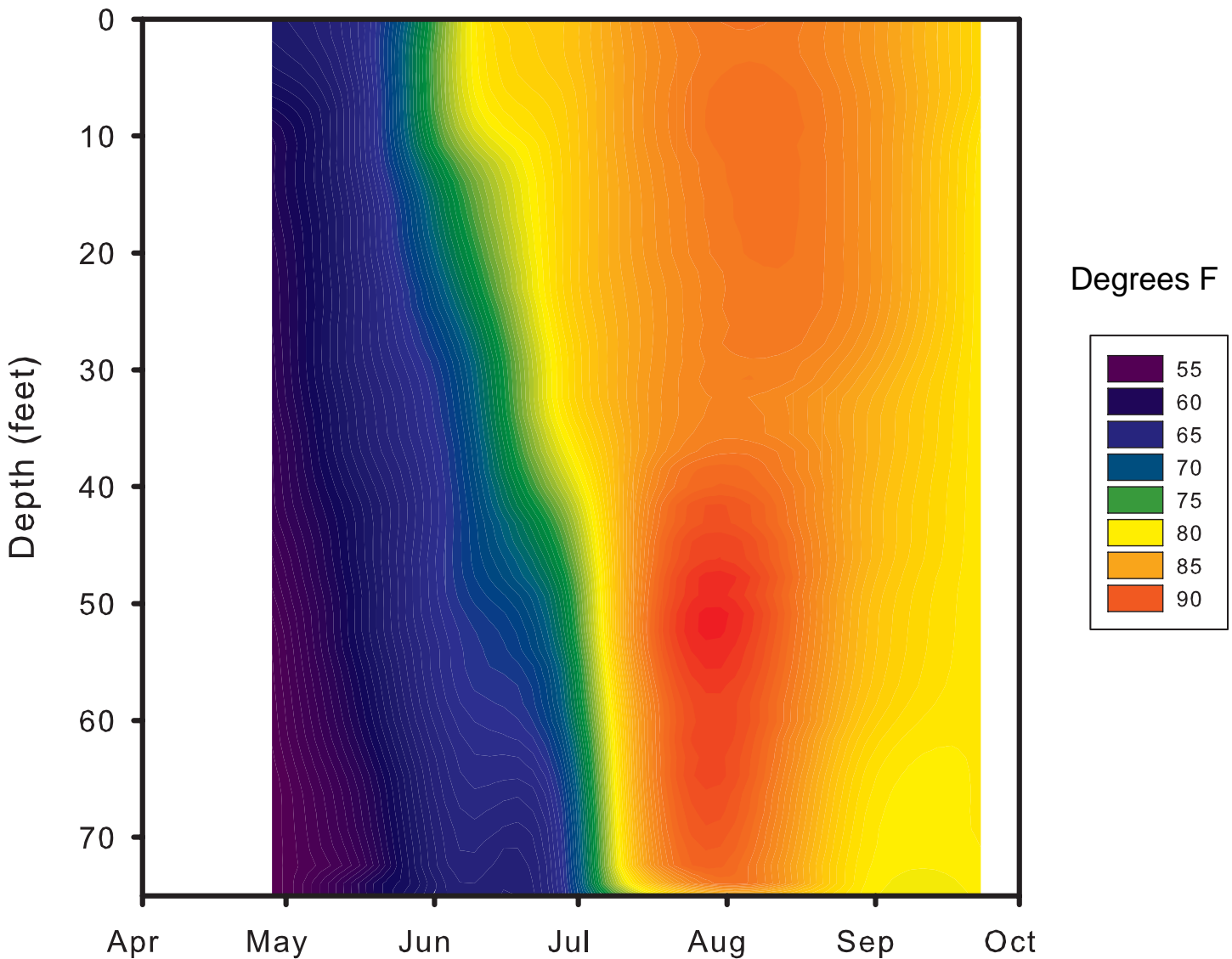
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 1.2 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

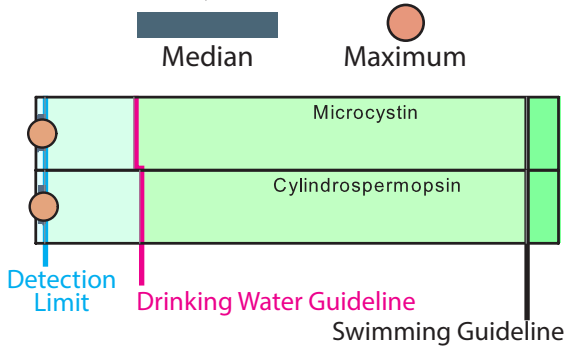
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Lake of the Ozarks Site 2.12

2021 Data Table	4/26	7/1	7/20	8/12	9/2	9/23	Mean*
Temp (F)	64	84	86	86	84	84	81
Secchi (feet)	2.3	1.6	2.3	1.6	2.0	2.0	1.9
Phosphorus (µg/L)	52	69		64	78	53	62
Nitrogen (µg/L)	485	675		680	675	620	622
Ammonium (µg/L)	46	70	23	22	21	44	34
Nitrate (µg/L)	109	23	3	3	3	3	8
Chlorophyll (µg/L)	16.0	25.7	21.3	35.5	32.9	35.3	26.7
Sediment (mg/L)	14.4	6.6	2.5	10.0	10.1	5.2	7.1
Microcystin (µg/L)		0.05	0.05	0.05	0.05	0.05	0.05
Cylindro (µg/L)		0.02	0.02	0.02	0.02	0.02	0.02

2021 Cyanotoxin Results



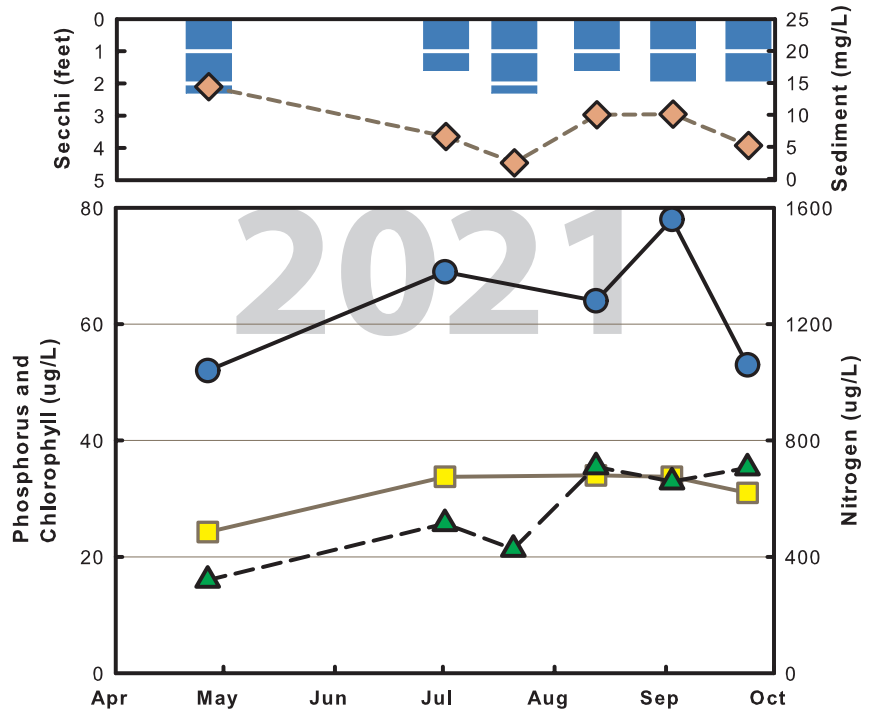
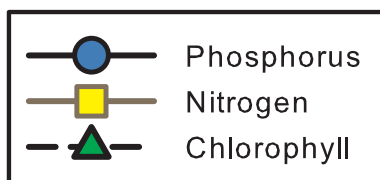
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

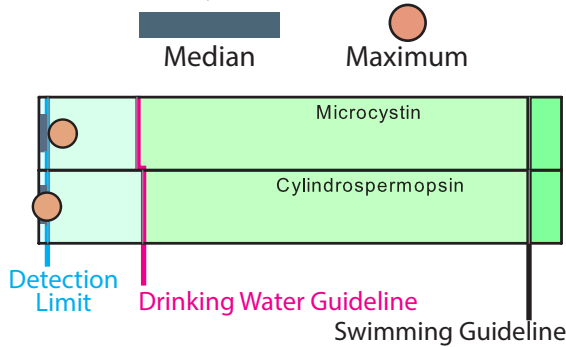
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 21

2021 Data Table	5/1	5/29	6/12	7/2	7/21	8/15	9/17	10/3	Mean*
Temp (F)	65	68	83	83	87	85	85	82	79
Secchi (feet)	4.3	4.3	3.6	4.9	3.6	4.3	4.3	4.6	4.2
Phosphorus (µg/L)	66	47	47	45	38	35	76	36	47
Nitrogen (µg/L)	985	845	900	730	615	575	605	560	711
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	9.5	17.3	31.7	20.8	17.5	35.9	32.5	30.0	22.5
Sediment (mg/L)	3.5	4.6	4.9	1.7	2.0	1.8	1.3	2.1	2.5
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	0.25	0.34	0.14	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



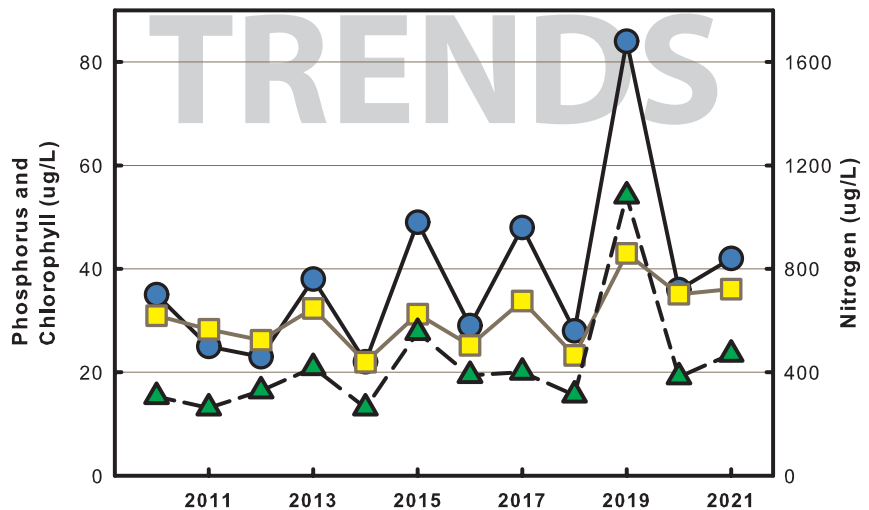
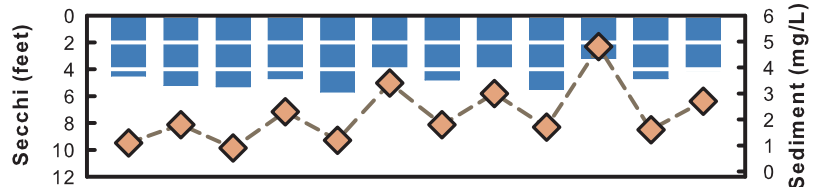
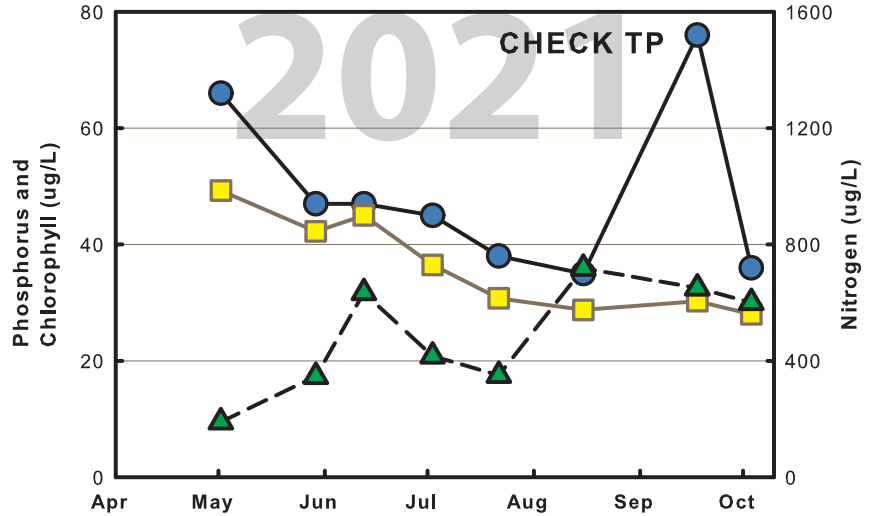
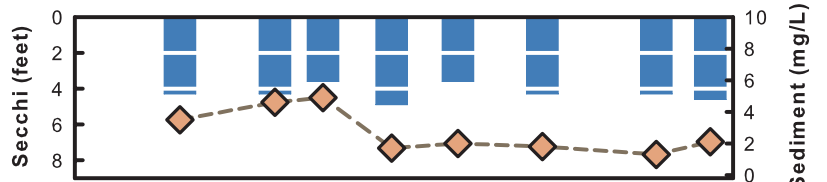
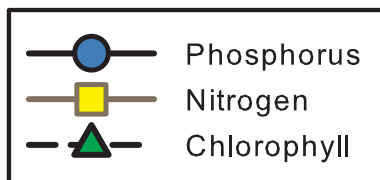
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

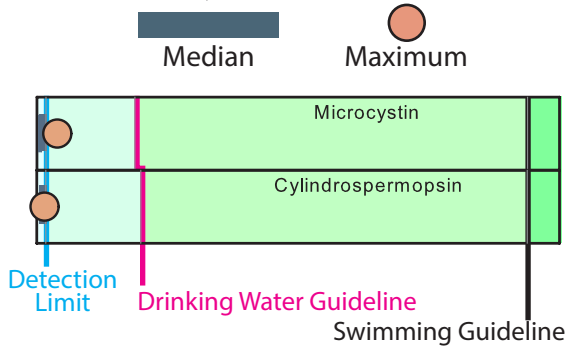
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 26

2021 Data Table	4/27	5/18	6/10	6/29	7/21	8/10	8/31	9/22	Mean*
Temp (F)	58	64	77	83	83	82	85		75
Secchi (feet)	2.6	3.9	2.6	4.3	3.0	3.9	3.3	3.9	3.4
Phosphorus (µg/L)	72	43	66	43	64	60	41	78	57
Nitrogen (µg/L)	970	845	1270	735	890	725	635	660	821
Ammonium (µg/L)	27	23	22	55	19	20	<10	29	21
Nitrate (µg/L)	553	360	444	106	379	173	<5	190	156
Chlorophyll (µg/L)	9.0	7.3	29.6	34.3	19.3	28.5	31.7	9.1	17.9
Sediment (mg/L)	4.8	4.3	4.1	2.3	3.9	2.1	0.9	3.4	2.9
Microcystin (µg/L)	<0.10	<0.10	<0.10		0.29	0.30	<0.10	0.12	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04		<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



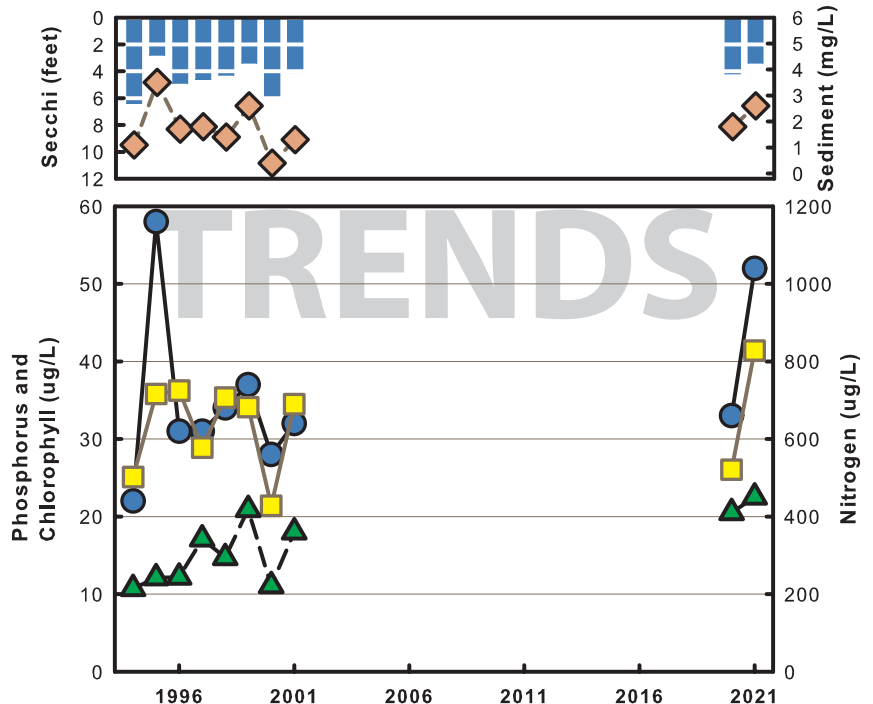
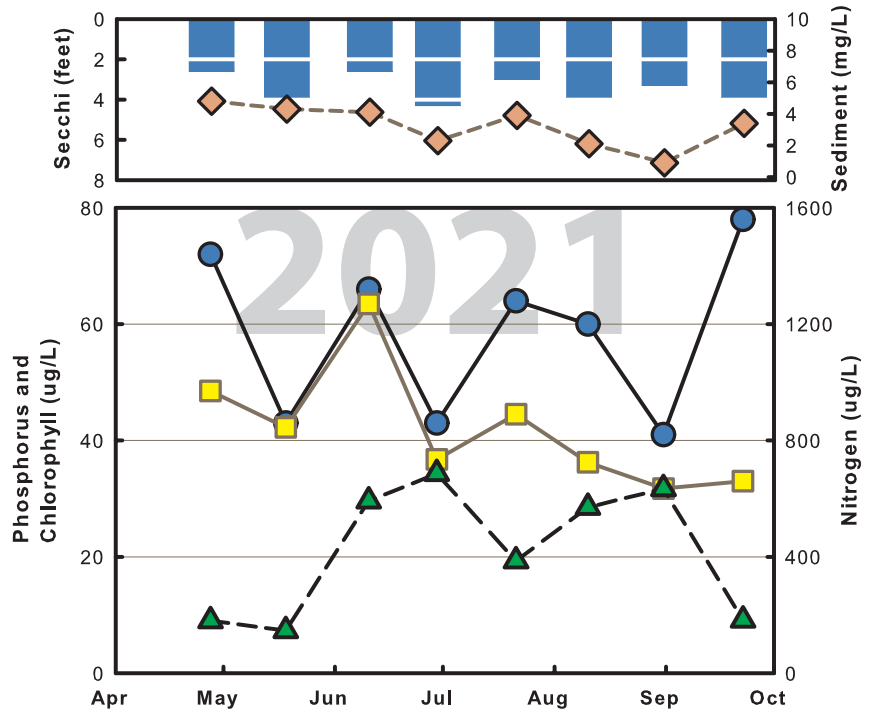
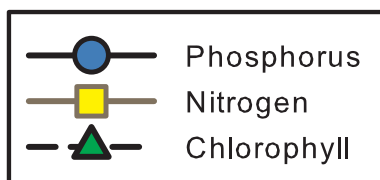
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

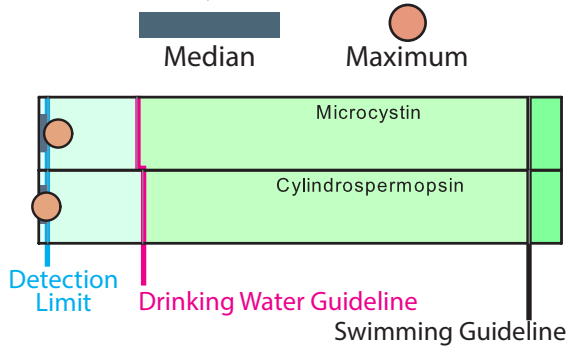
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 3

2021 Data Table	4/28	5/18	6/8	6/29	7/10	9/1	9/23	Mean*
Temp (F)	61	65	79	83	85	85	81	76
Secchi (feet)	3.0	5.9	3.6	4.6	4.3	5.9	4.9	4.5
Phosphorus (µg/L)	80	46	43	32	32	30	50	42
Nitrogen (µg/L)	1230	801	820	655	550	540	590	712
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	5.9	6.0	37.9	28.4	31.1	28.8	15.4	17.6
Sediment (mg/L)	3.0	1.8	3.6	1.4	0.5	0.5	1.1	1.3
Microcystin (µg/L)	<0.10	0.15	0.31	0.10	0.11	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



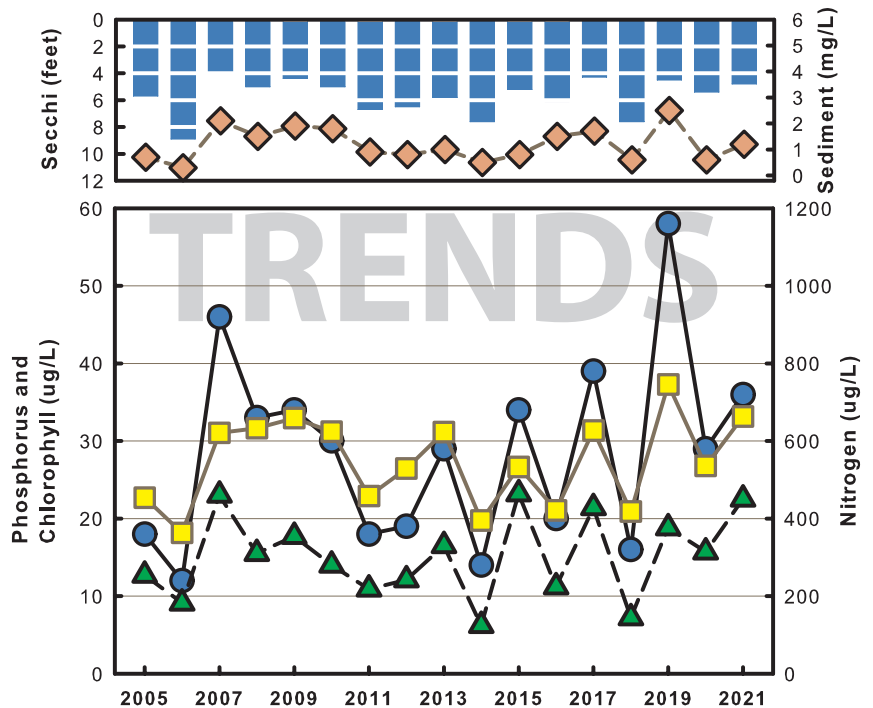
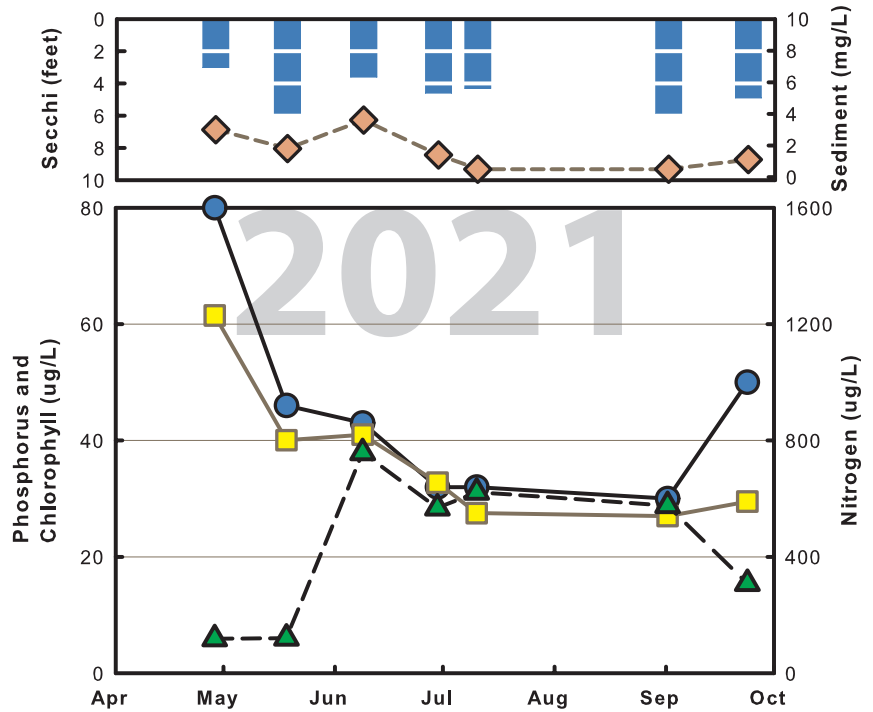
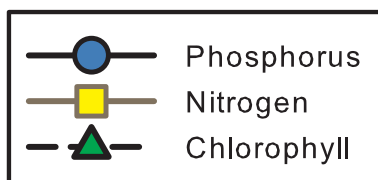
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

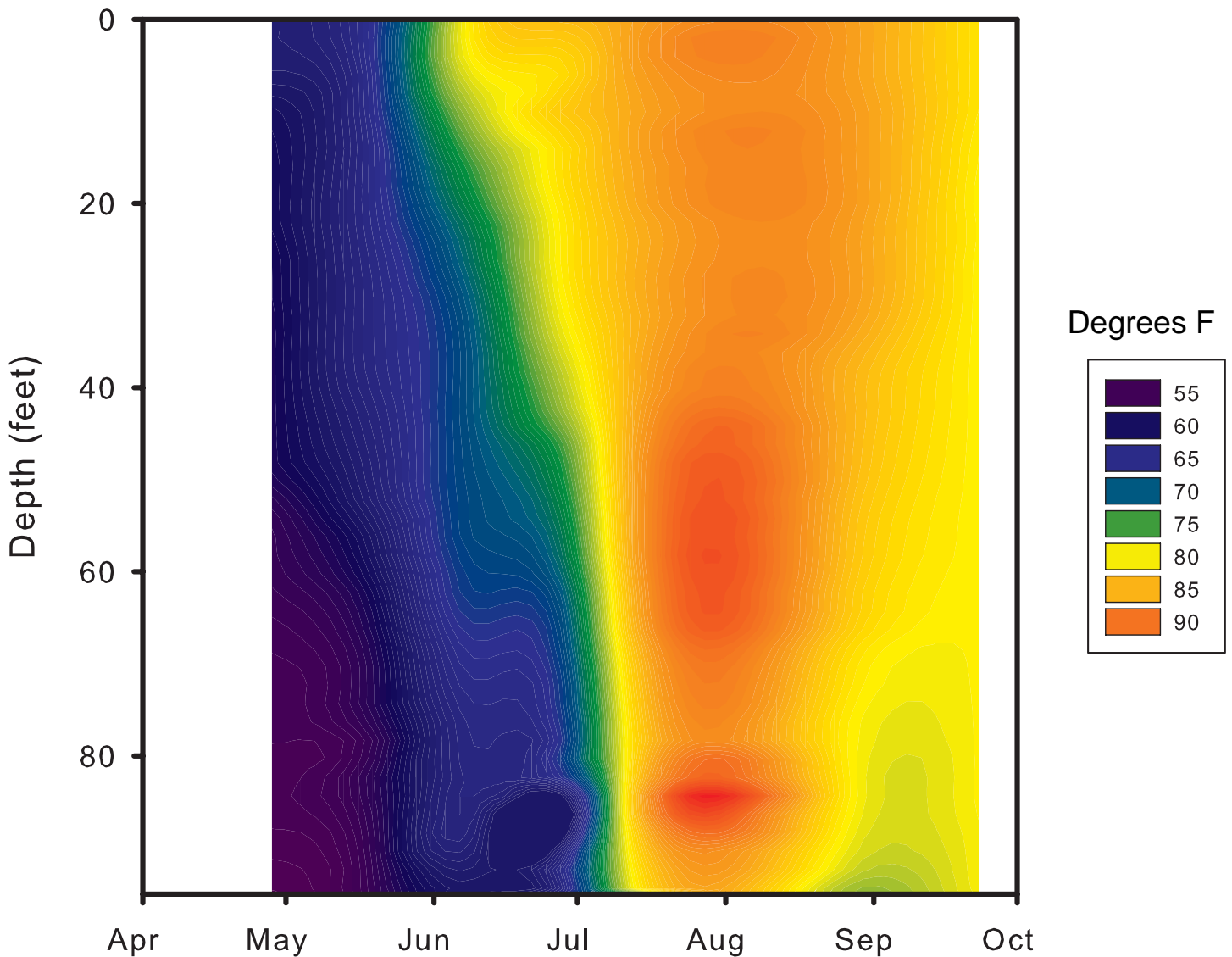
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 3 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

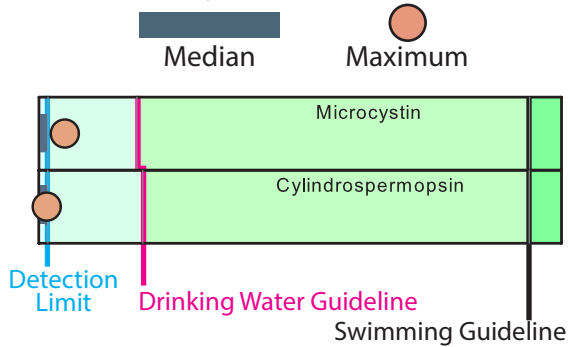
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Lake of the Ozarks Site 31.1

2021 Data Table	4/29	5/28	6/17	7/2	7/22	8/11	9/1	9/22	Mean*
Temp (F)	62	69	86		85	84	84	78	78
Secchi (feet)	2.6	3.3	3.0	4.6	3.3	3.0	3.3	4.6	3.4
Phosphorus (µg/L)	74	52	49	41	37	59	65	77	55
Nitrogen (µg/L)	647	930	680	695	665	730	740	650	712
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	10.6	12.4	28.2	29.6	28.5	39.5	37.5	12.2	22.1
Sediment (mg/L)	5.0	5.1	3.9	1.4	1.6	1.7	1.2	3.6	2.5
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.14	0.41	0.15	<0.10	0.12	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



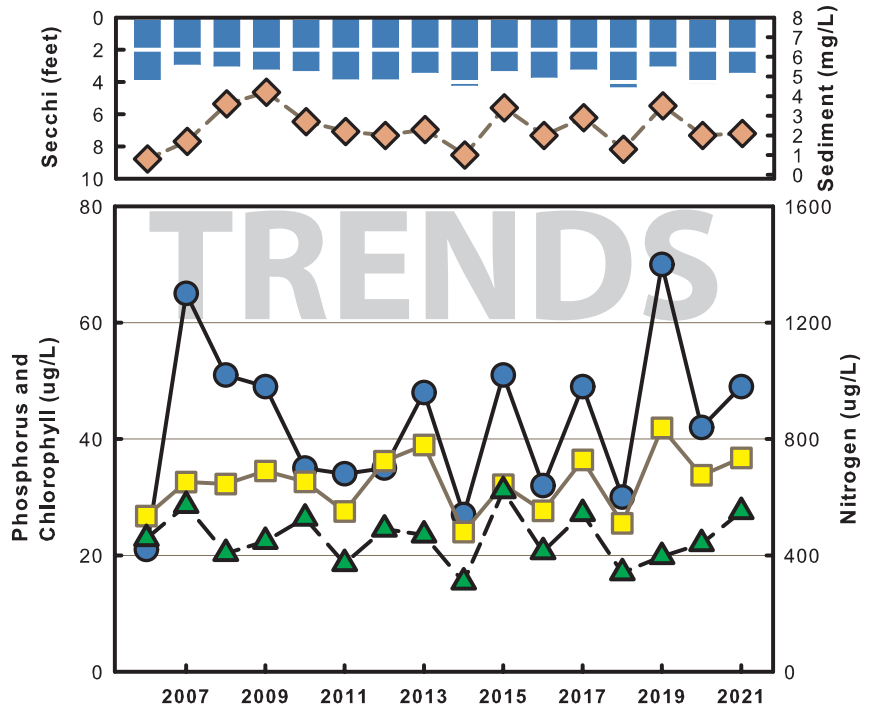
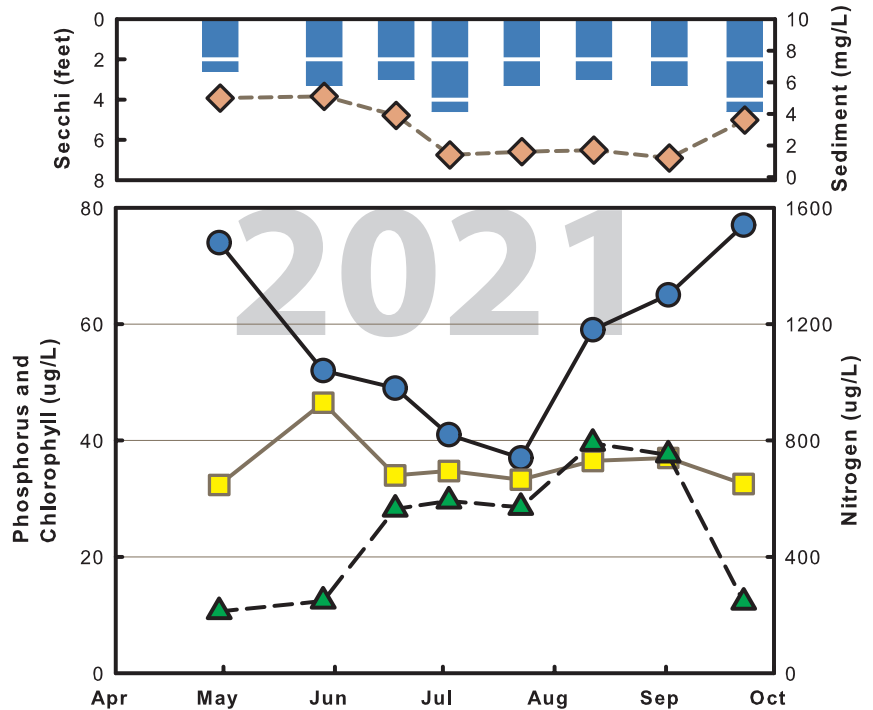
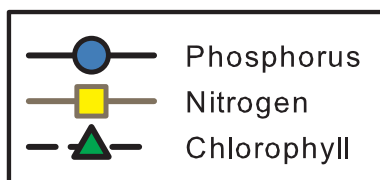
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

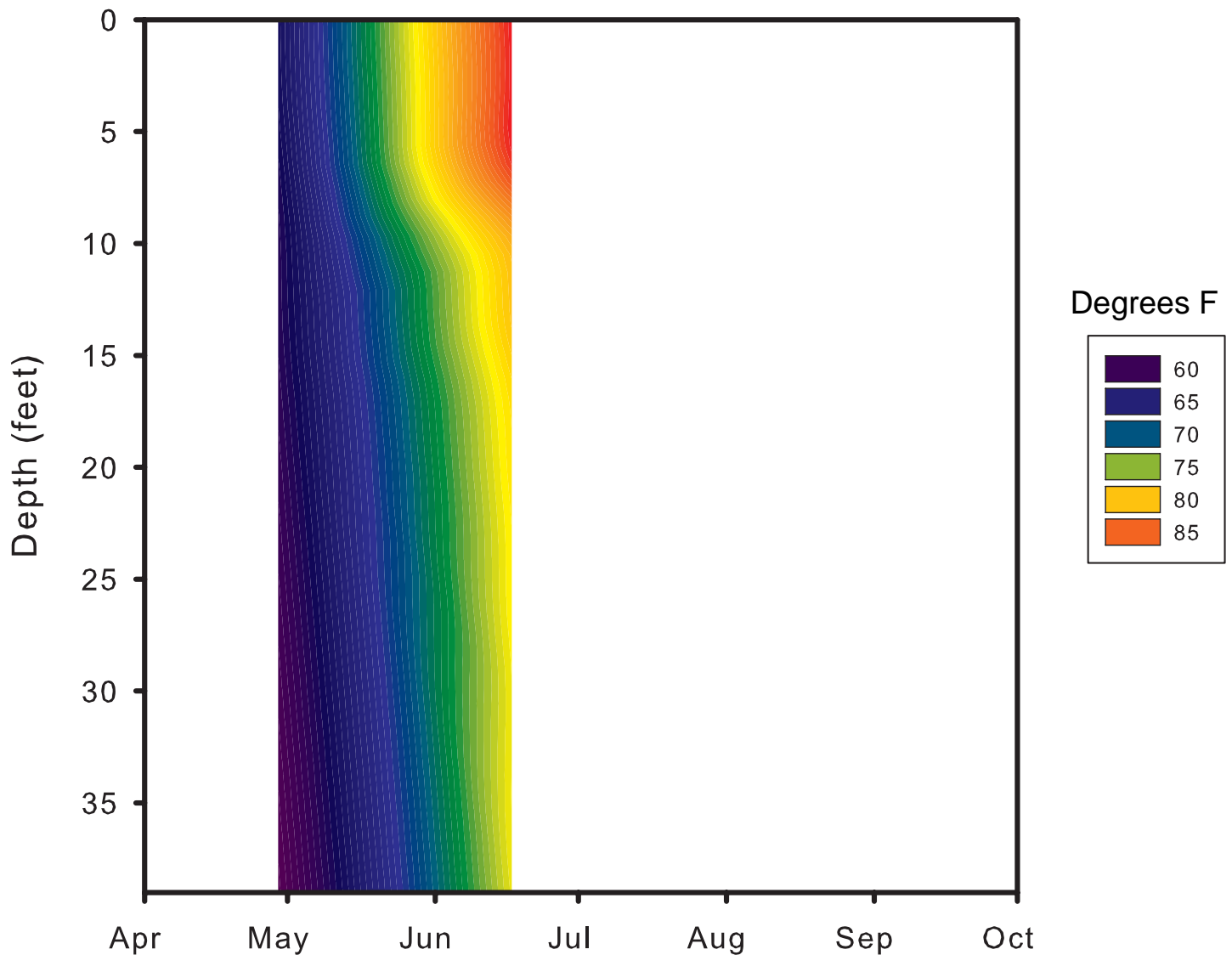
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 31.1 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

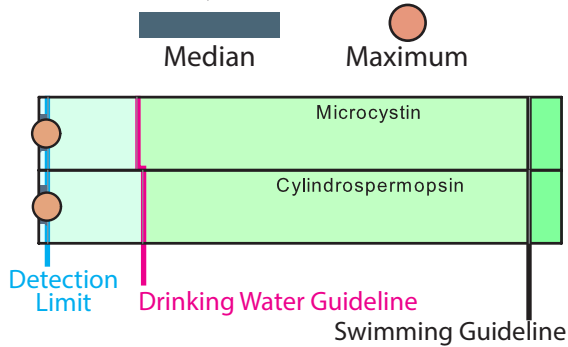
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Lake of the Ozarks Site 4.10

2021 Data Table	5/5	5/19	6/8	6/30	7/20	8/10	8/31	9/23	Mean*
Temp (F)	73	67	78	83	83	86	87	80	79
Secchi (feet)	4.3	1.6	3.0	4.6	3.0	2.3	2.3	2.6	2.8
Phosphorus (µg/L)	22	91	37	41	47	63	65	50	48
Nitrogen (µg/L)	483	850	570	430	610	825	680	645	621
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	12.6	46.9	30.6	24.7	34.3	43.7	46.7	42.5	32.8
Sediment (mg/L)	3.0	11.8	2.7	2.0	1.8	3.1	2.3	3.7	3.1
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



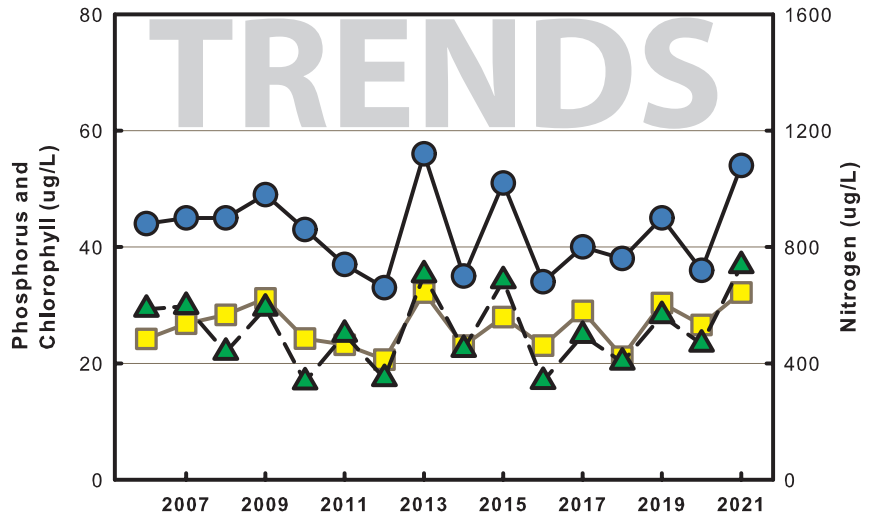
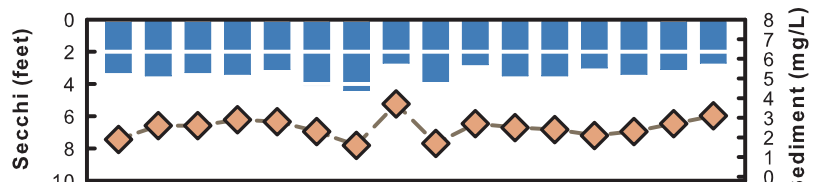
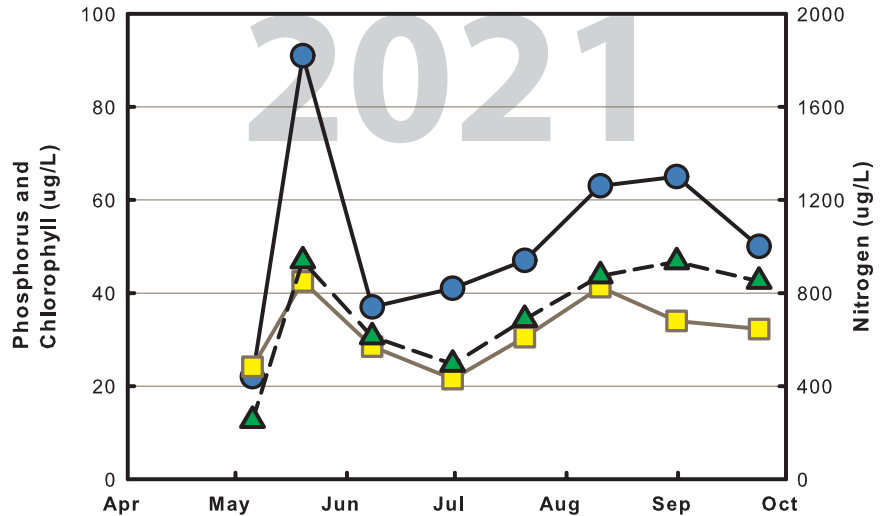
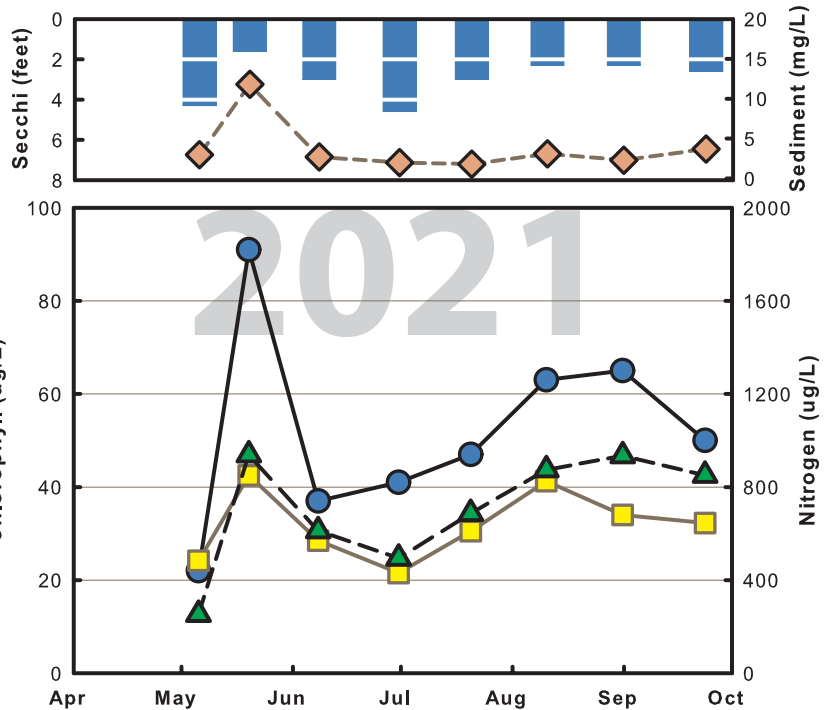
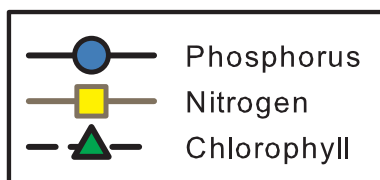
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

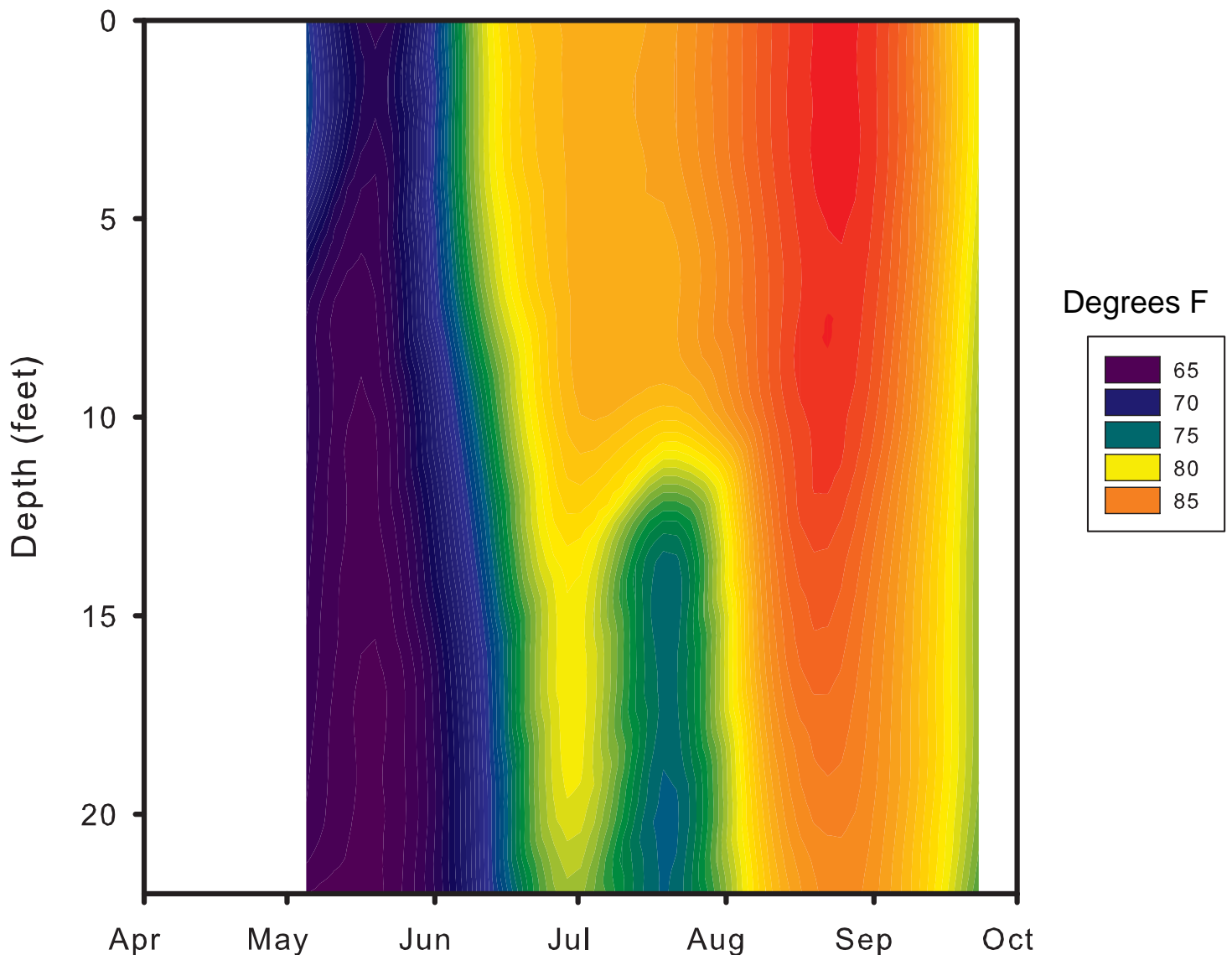
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 4.10 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

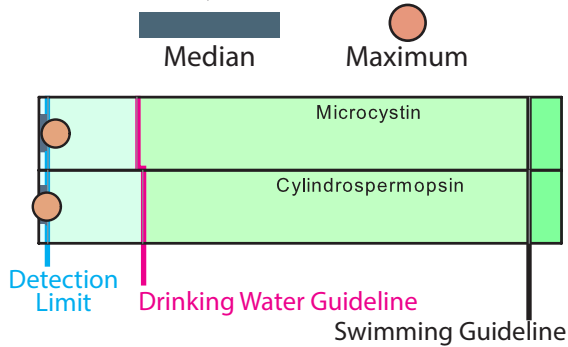
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Lake of the Ozarks Site 51

2021 Data Table	4/27	5/18	6/8	6/29	7/20	8/10	8/31	9/21	Mean*
Temp (F)	60	67	76	81	83	83	86	80	77
Secchi (feet)	1.6	2.0	1.6	3.0	1.6	3.3	2.6	2.3	2.2
Phosphorus (µg/L)	94	75		55	117	59	76	83	78
Nitrogen (µg/L)	1055	1125		750	1155	725	610	585	828
Ammonium (µg/L)	38	26	22	<10	<10	48	<10	39	16
Nitrate (µg/L)	592	601	603	<5	322	82	26	67	115
Chlorophyll (µg/L)	11.3	10.3	41.2	37.8	61.6	15.2	28.0	16.3	23.0
Sediment (mg/L)	14.9	10.9	13.0	5.0	11.1	4.8	4.8	9.0	8.4
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	0.14	0.20	<0.10	0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



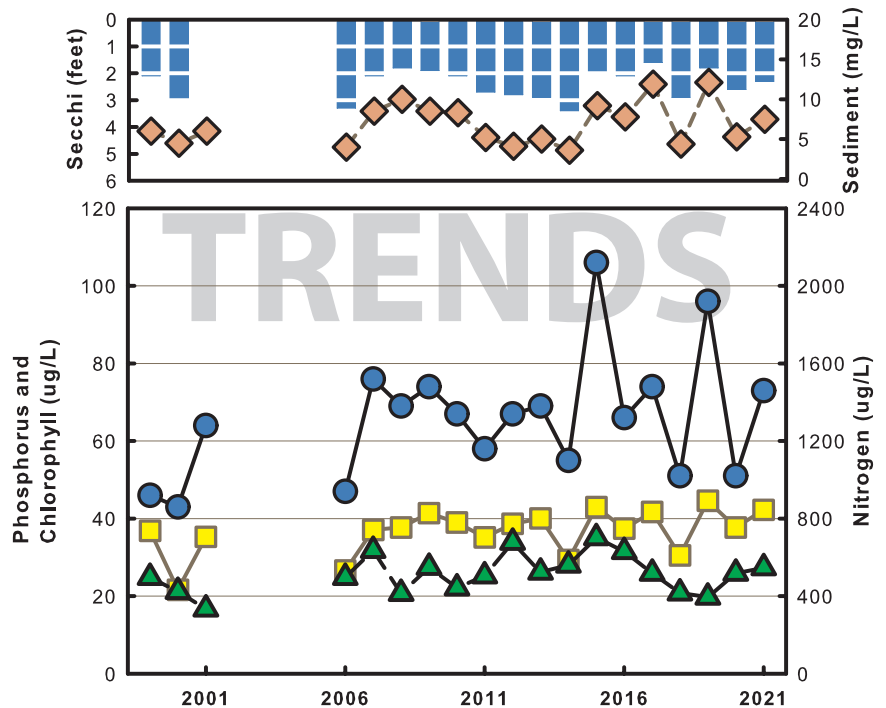
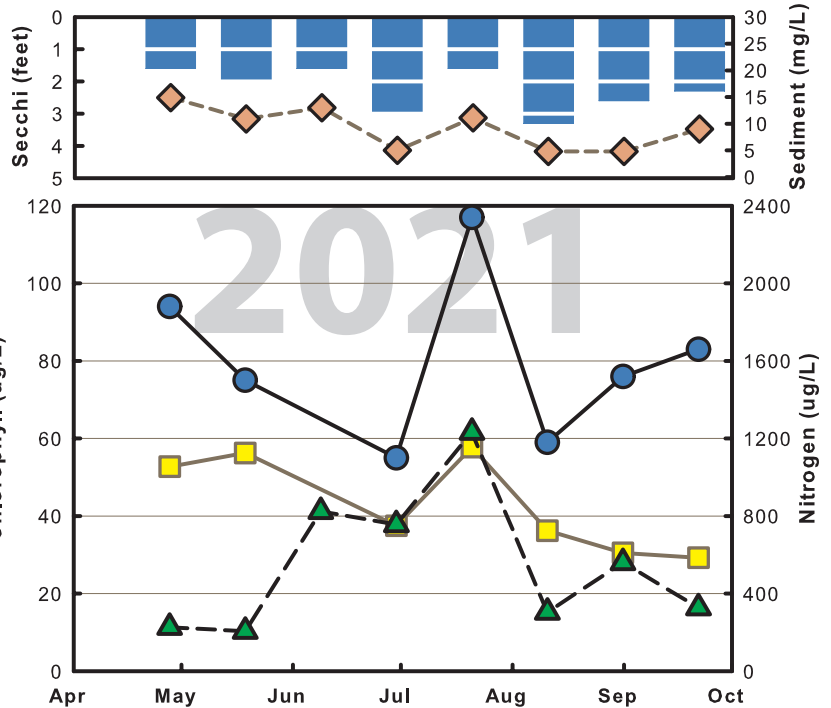
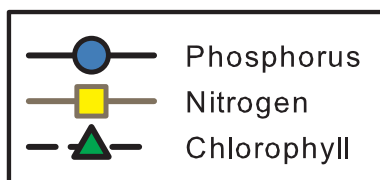
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

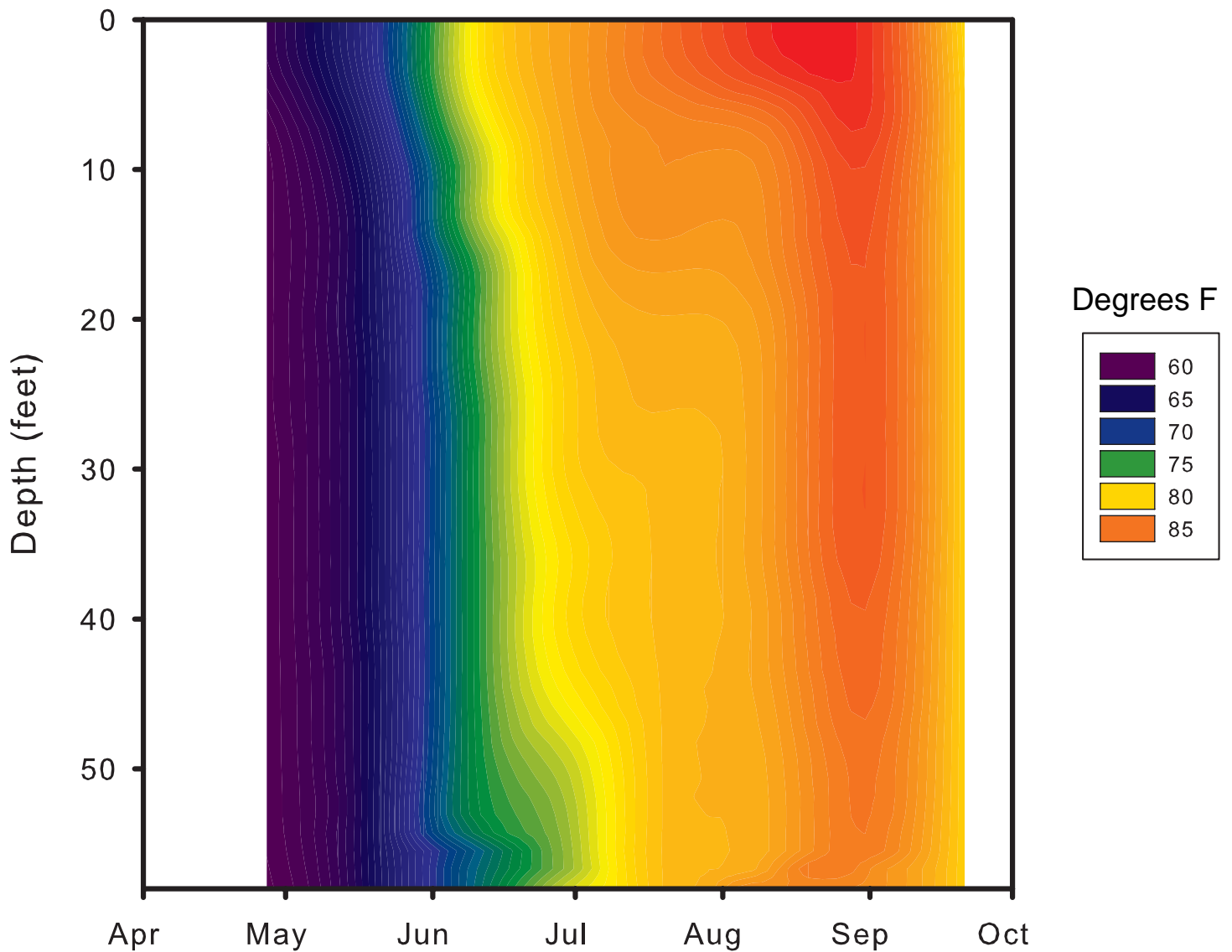
Legend for 2021 and Trend graphs



Lake of the Ozarks Site 51 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

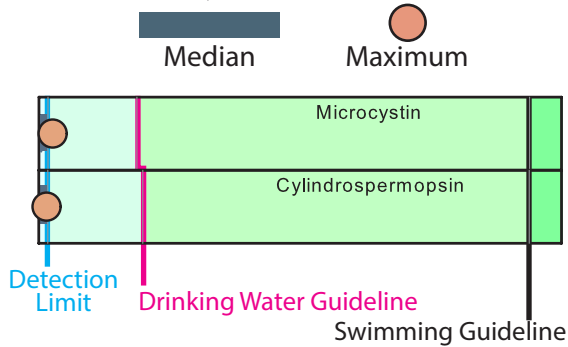
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Lake of the Ozarks Site 61

2021 Data Table	5/18	6/9	7/1	7/20	8/31	Mean*
Temp (F)	65	73	80	80	85	76
Secchi (feet)	1.3	1.3	1.3	1.3	1.3	1.3
Phosphorus (µg/L)	74	89	62	83	71	75
Nitrogen (µg/L)	1025	1155	780	870	640	875
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	11.8	31.4	50.6	23.1	27.5	26.0
Sediment (mg/L)	14.5	18.5	8.5	13.5	13.5	13.3
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.16	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



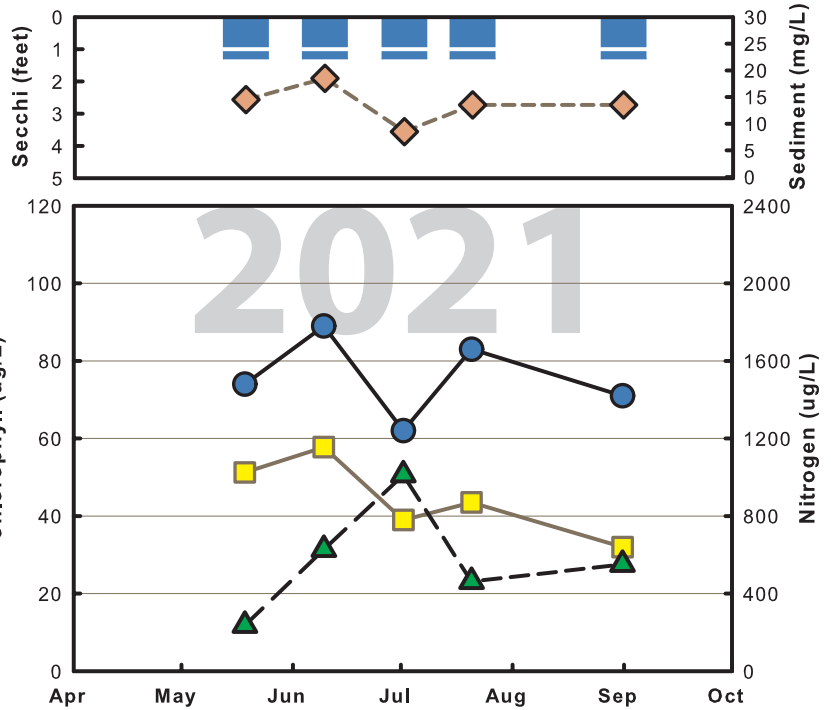
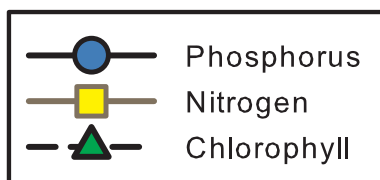
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
 (geometric mean data from May 15 - Sept. 15 only)

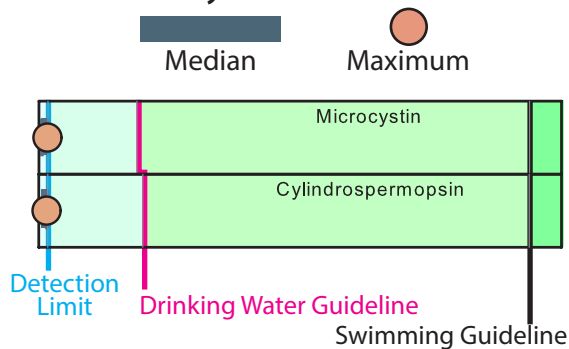
Legend for 2021 and Trend graphs



Mallard

2021 Data Table	4/27	5/21	6/6	6/29	7/23	8/12	9/1	9/23	Mean*
Temp (F)	62	74	79	80	85	84	80	73	77
Secchi (feet)	1.6	1.6	2.0	0.3	1.6	2.0	1.0	1.0	1.2
Phosphorus (µg/L)	103	72	74	325	117	96	214	232	133
Nitrogen (µg/L)	793	675	850	1185	895	775	1095	1215	916
Ammonium (µg/L)	35	<10	18	85	21	<10	68	241	29
Nitrate (µg/L)	170	89	9	320	7	8	277	443	64
Chlorophyll (µg/L)	36.5	44.2	40.9	22.7	55.7	71.2	40.1	21.6	38.8
Sediment (mg/L)	13.6	7.8	5.4	102.5	6.0	8.0	22.0	19.5	13.7
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



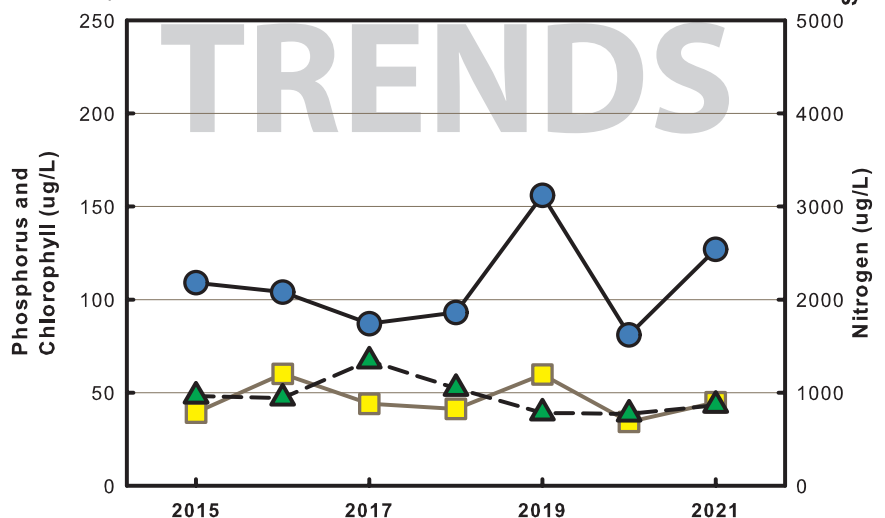
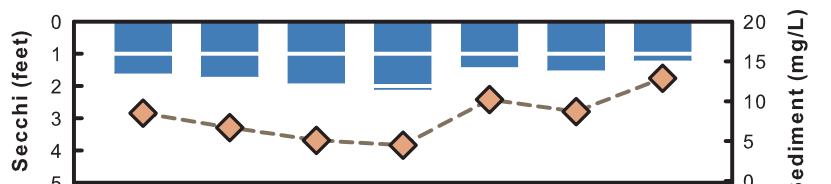
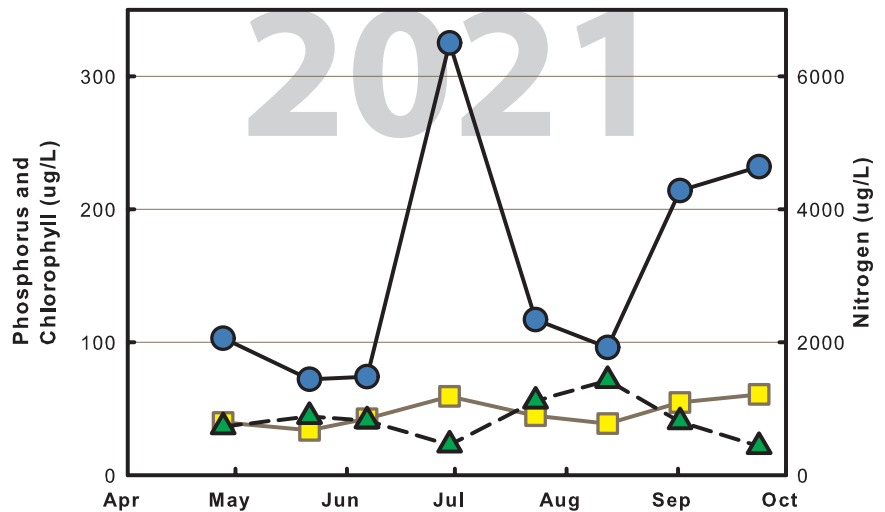
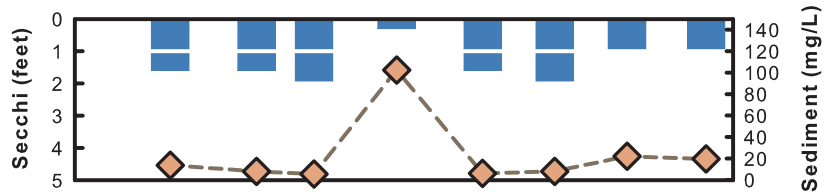
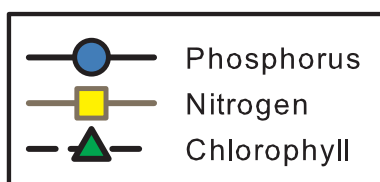
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

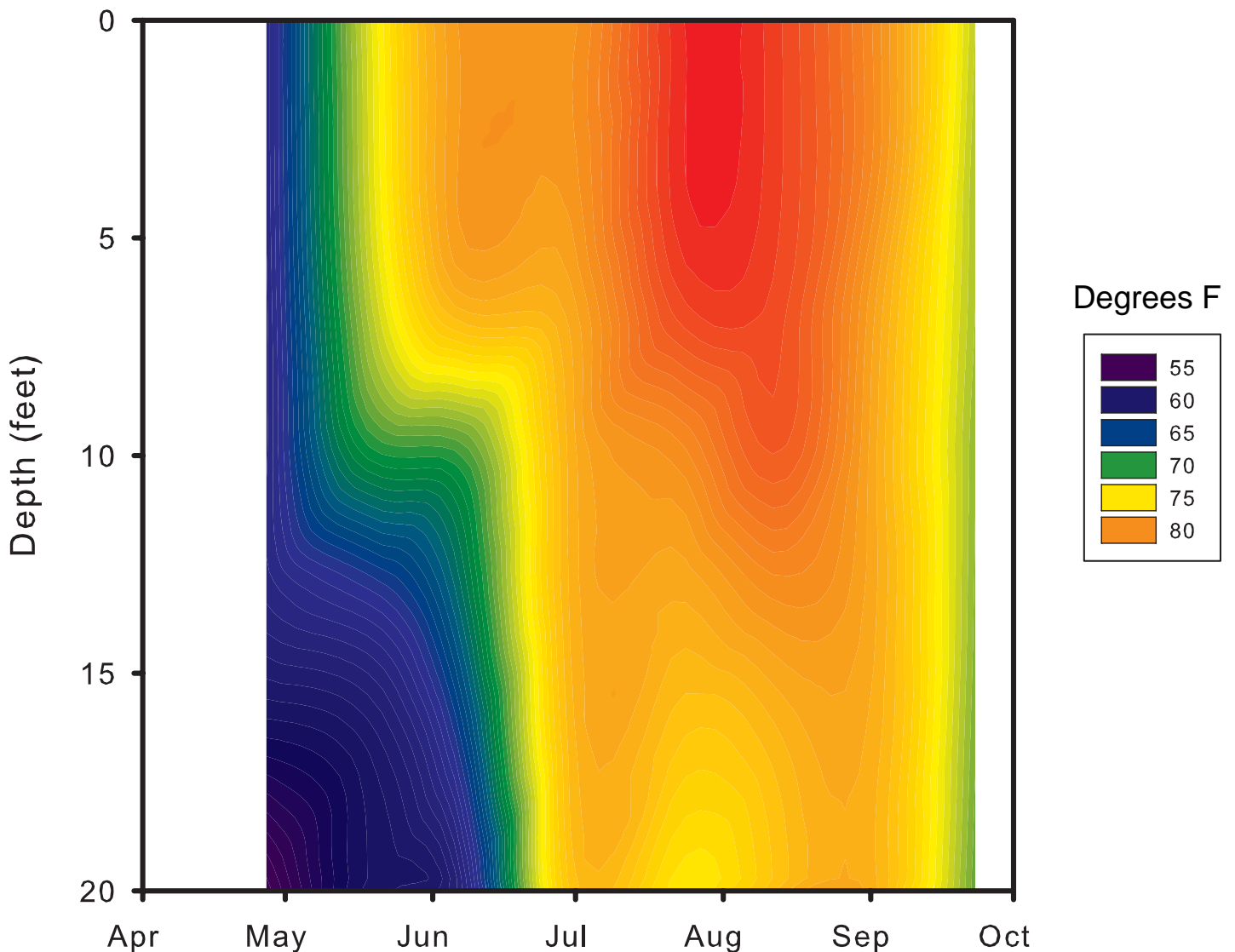


Mallard

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

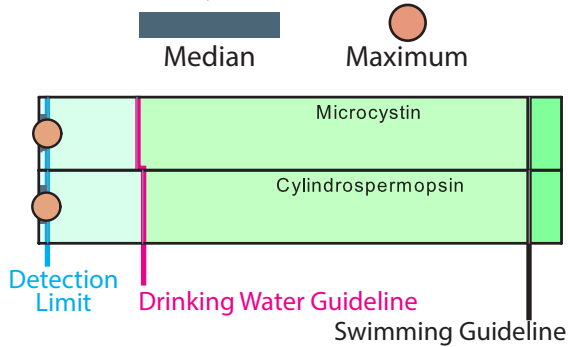
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Mark Twain Site 1

2021 Data Table	4/30	5/22	6/6	7/3	7/24	8/14	9/4	9/19	Mean*
Temp (F)	58	67	72	79	81	75	72	70	71
Secchi (feet)	2.0	1.3	1.3	3.0	3.6	4.3	3.6	5.2	2.7
Phosphorus (µg/L)	222	199	186	48	60	37	37	24	73
Nitrogen (µg/L)	2015	1940	1610	1570	1540	920	747	600	1258
Ammonium (µg/L)	23	22	45	54	52	56		29	37
Nitrate (µg/L)	1291	1351	1148	872	680	142	9	9	247
Chlorophyll (µg/L)	9.8	9.2	37.8	26.4	24.4	36.4	29.8	12.5	20.4
Sediment (mg/L)	9.6	7.8	14.1	2.4	1.4		1.3	1.2	3.4
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	0.12	0.11	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



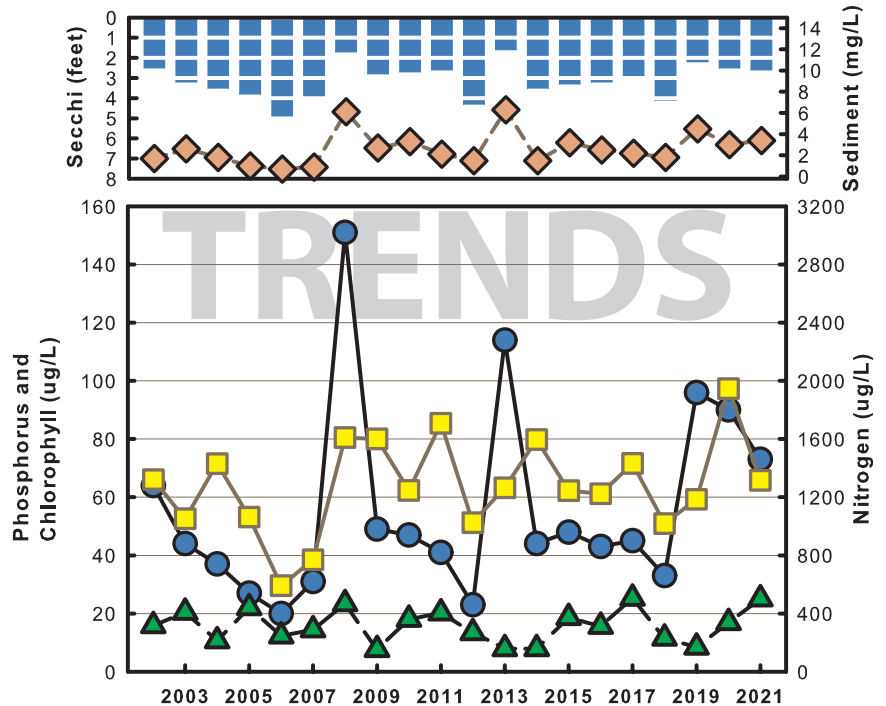
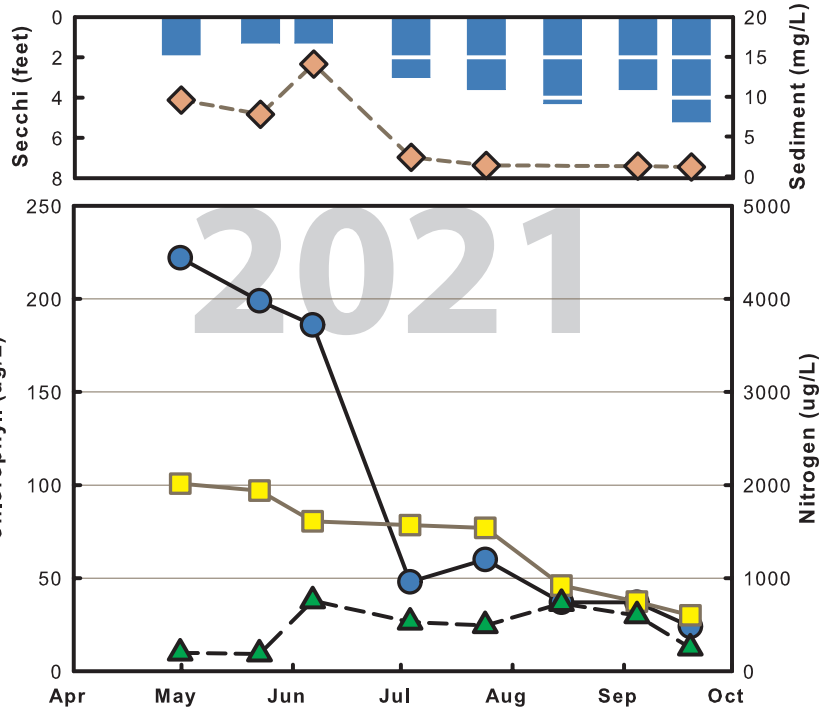
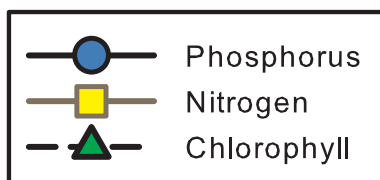
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

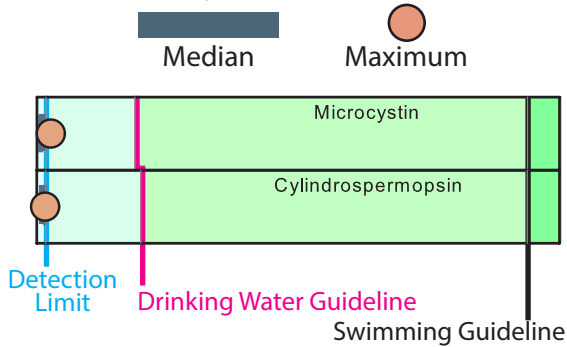
Legend for 2021 and Trend graphs



Mark Twain Site 2

2021 Data Table	4/30	5/22	6/6	7/3	7/24	8/14	9/4	9/19	Mean*
Temp (F)	59	64	72	79	81	77	74	75	72
Secchi (feet)	1.6	1.3	1.6	3.0	3.6	3.6	3.6	5.9	2.7
Phosphorus (µg/L)	201	195	212	43	51	38	35	24	70
Nitrogen (µg/L)	1817	1835	1925	1465	1090	865	685	650	1187
Ammonium (µg/L)	28	37	24	23	27	18		29	26
Nitrate (µg/L)	1202	1387	1273	940	757	49	8	7	212
Chlorophyll (µg/L)	10.7	4.5	36.9	26.2	31.3	42.5	29.6	11.1	19.4
Sediment (mg/L)	10.7	7.2	17.0	1.9	1.8	2.1	2.1	1.2	3.5
Microcystin (µg/L)	<0.10	<0.10		0.12	0.20	0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



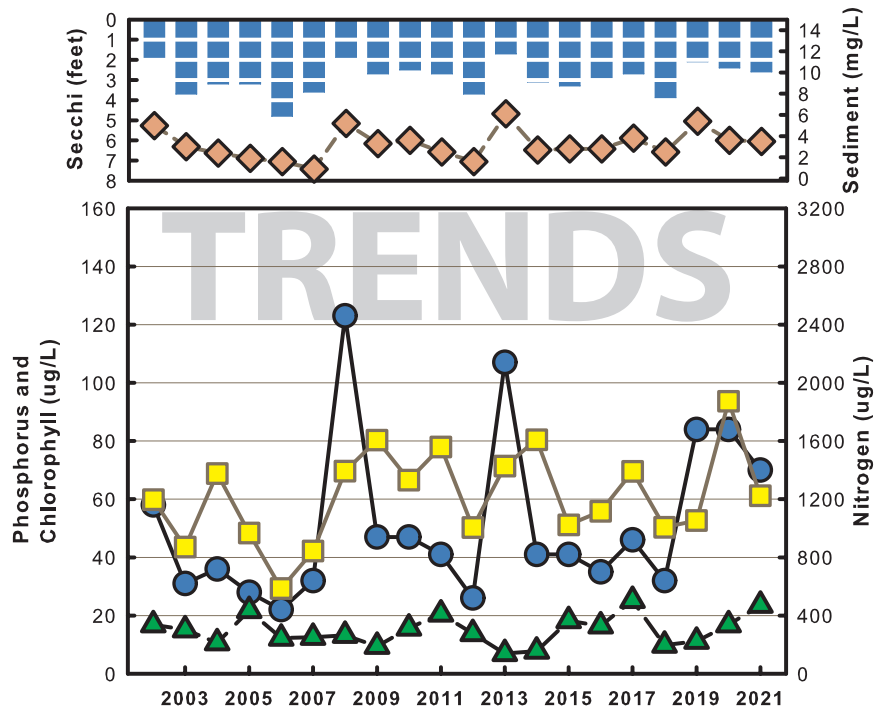
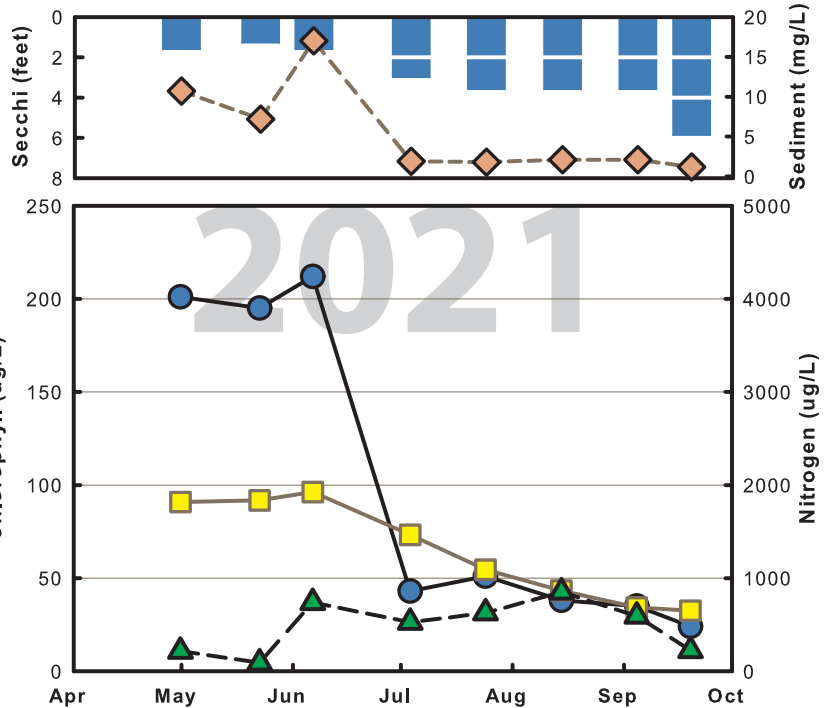
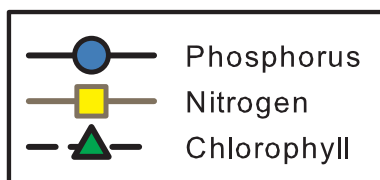
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

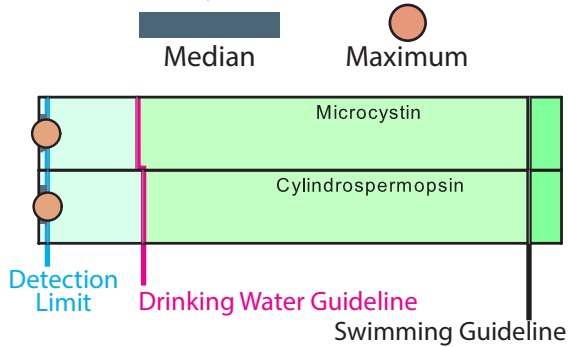
Legend for 2021 and Trend graphs



Mark Twain Site 5

2021 Data Table	4/30	5/22	6/6	7/3	7/24	8/14	9/4	9/19	Mean*
Temp (F)	56	60	71	79	80	77	74	70	70
Secchi (feet)	1.6	1.3	1.6	2.6	3.9	3.3	3.6	5.6	2.6
Phosphorus (µg/L)	244	221	202	51	60	38	40	25	77
Nitrogen (µg/L)	1950	1633	1650	1740	1610	830	807	610	1251
Ammonium (µg/L)	21	21	26	15	27	23		22	22
Nitrate (µg/L)	1404	1380	1576	900	804	52	12	<5	212
Chlorophyll (µg/L)	5.2	4.8	33.5	25.9	34.1	40.1	19.6	12.9	17.2
Sediment (mg/L)	10.2	7.8	12.7	3.5	1.8	1.4	1.9	0.9	3.3
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.12	<0.10	0.11	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



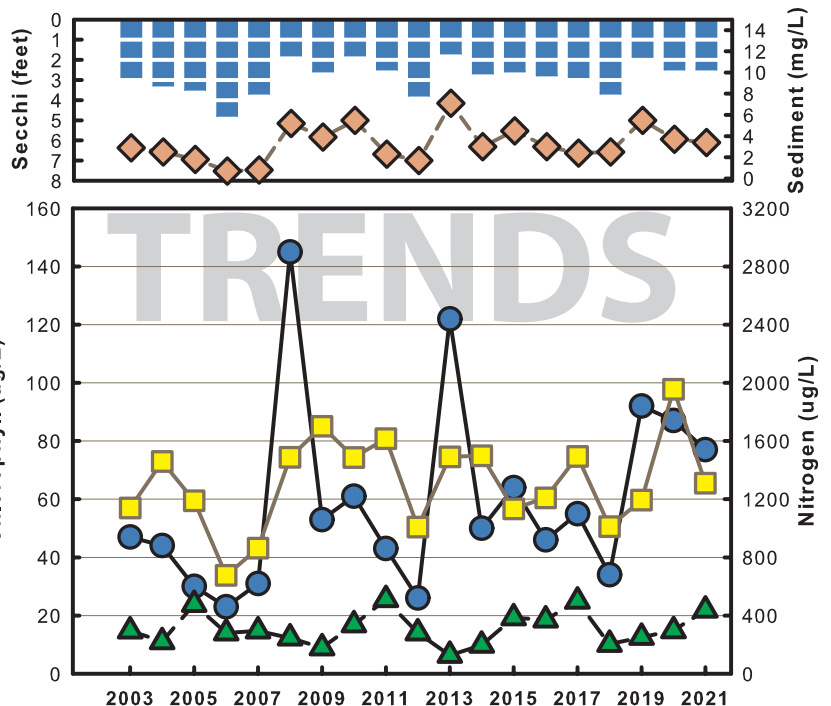
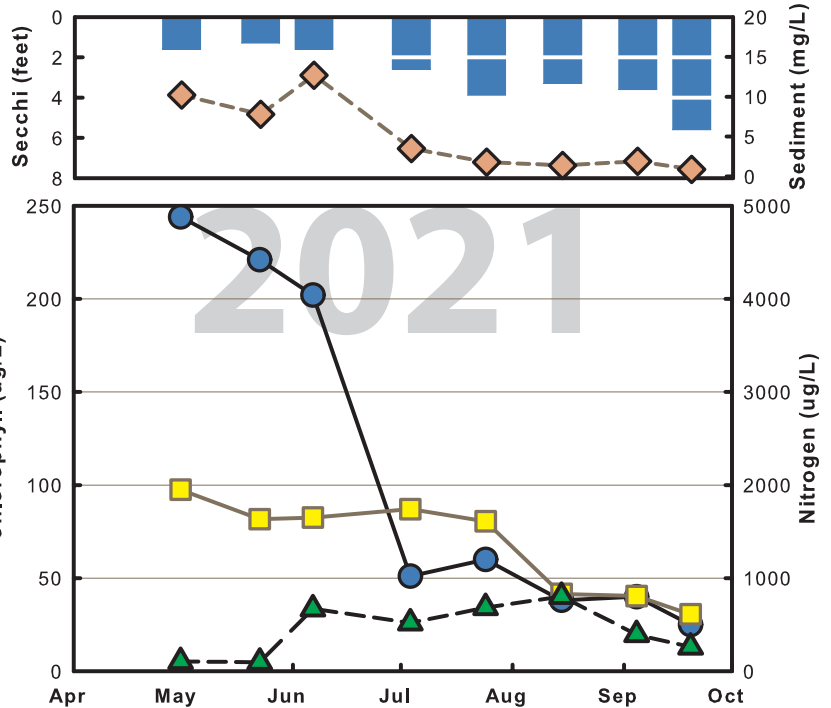
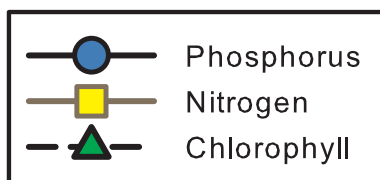
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
 (geometric mean data from May 15 - Sept. 15 only)

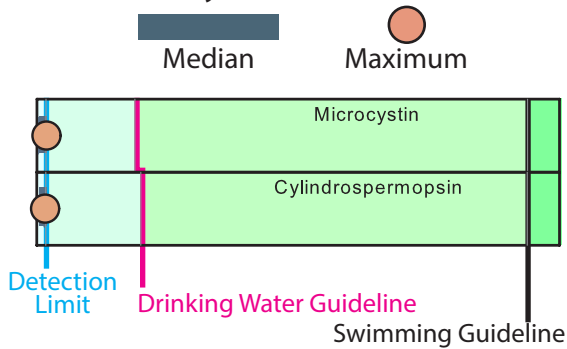
Legend for 2021 and Trend graphs



Montauk

2021 Data Table	6/17	7/3	7/19	8/4	8/14	Mean*
Temp (F)	59	58	57	59	57	58
Secchi (feet)	3.9	3.6	3.6	3.9	3.6	3.7
Phosphorus (µg/L)	10	10	13	18	12	12
Nitrogen (µg/L)	730	785	890	895	930	843
Ammonium (µg/L)			18	<10	20	12
Nitrate (µg/L)			771	817	840	809
Chlorophyll (µg/L)	1.9	4.3	2.1	4.1	5.4	3.3
Sediment (mg/L)	1.0	1.5	1.5	1.7	2.2	1.5
Microcystin (µg/L)	<0.10	<0.10		0.11		<0.10
Cylindro (µg/L)	<0.04	<0.04		<0.04		<0.04

2021 Cyanotoxin Results



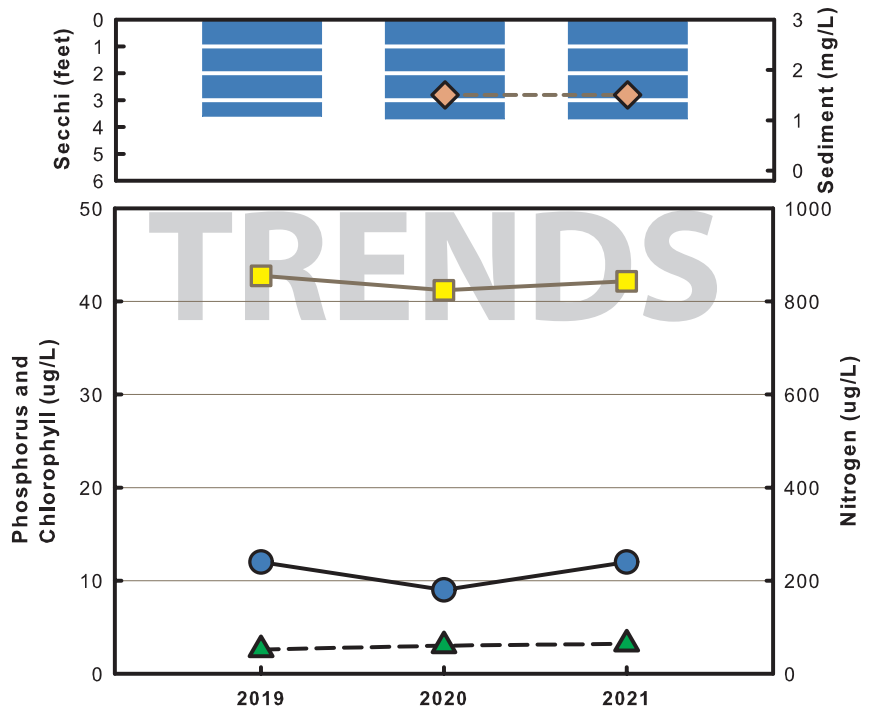
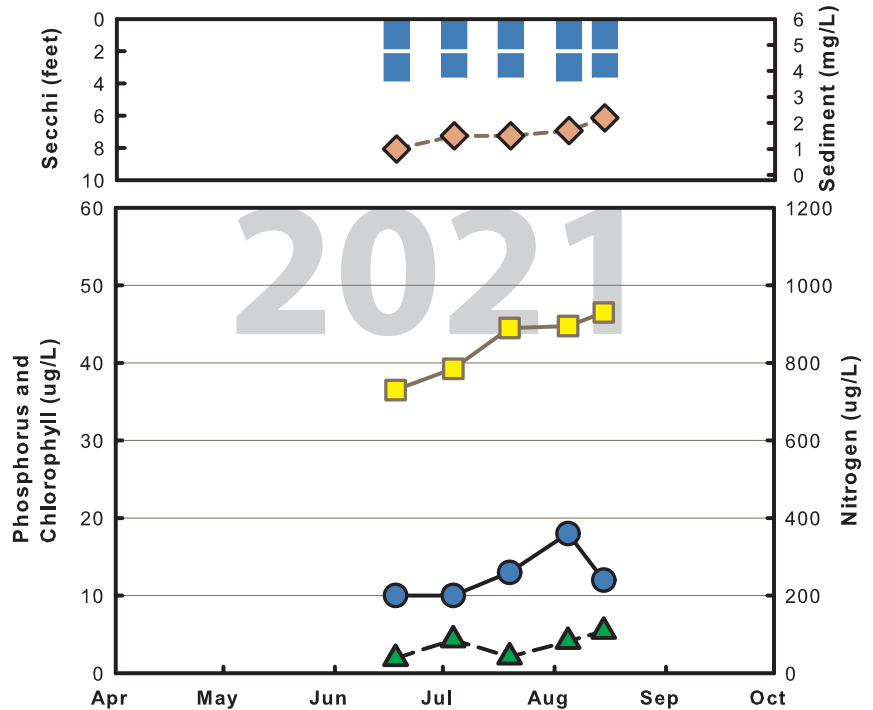
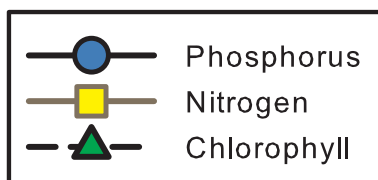
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

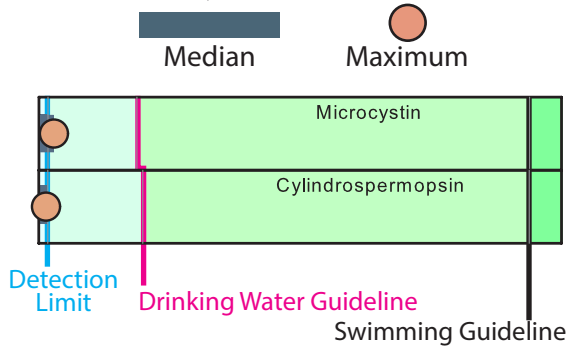
Legend for 2021 and Trend graphs



O'Fallon Park

2021 Data Table	7/17	Mean*
Temp (F)	84	84
Secchi (feet)	1.6	1.6
Phosphorus (µg/L)	335	335
Nitrogen (µg/L)	1785	1785
Ammonium (µg/L)		
Nitrate (µg/L)		
Chlorophyll (µg/L)	41.4	41.4
Sediment (mg/L)	<0.1	0.1
Microcystin (µg/L)	0.24	0.24
Cylindro (µg/L)	<0.04	<0.04

2021 Cyanotoxin Results

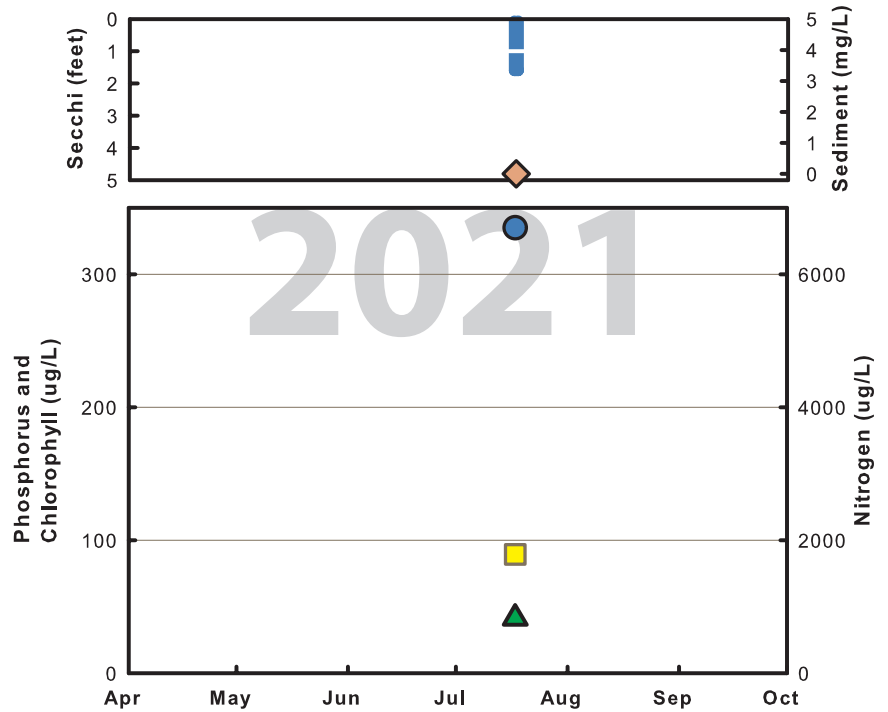


(* Table shows geometric means)

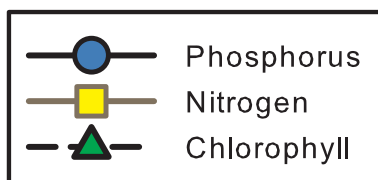
Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)



Legend for 2021 and Trend graphs

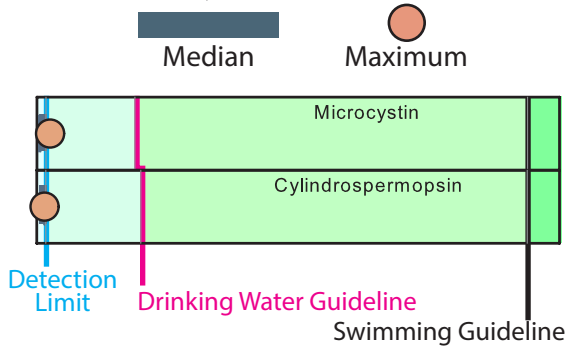


TRENDS

Phillips

2021 Data Table	5/2	5/18	6/9	6/30	8/7	9/6	10/6	Mean*
Temp (F)	68	65	81	79	80	78	70	74
Secchi (feet)	2.3	2.0	3.0	1.6	2.6	3.9	3.0	2.5
Phosphorus (µg/L)	46	39	33	60	39	54	44	44
Nitrogen (µg/L)	695	645	420	695	510	825	600	614
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	7.9	5.4	3.4	31.2	20.9	34.9	7.3	11.3
Sediment (mg/L)	9.3	8.3	5.3	6.7	5.9	3.4	5.8	6.1
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10		<0.10	0.17	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04		<0.04	<0.04	<0.04

2021 Cyanotoxin Results



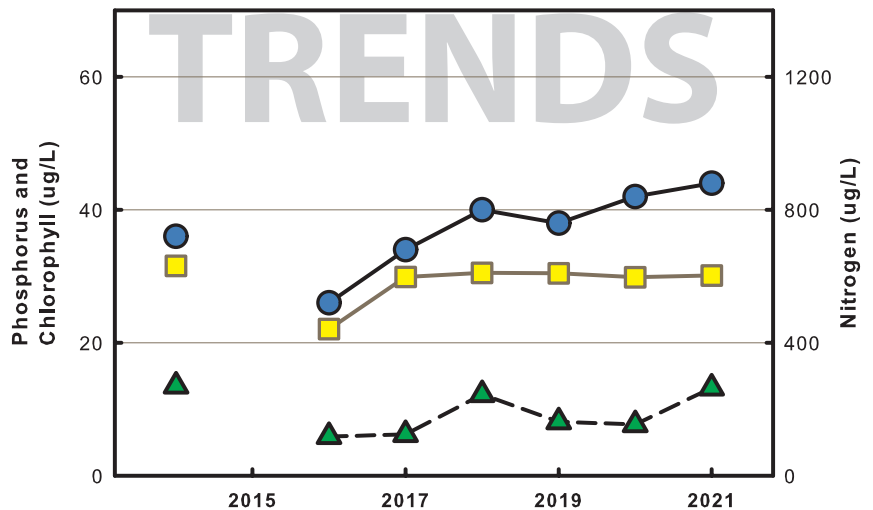
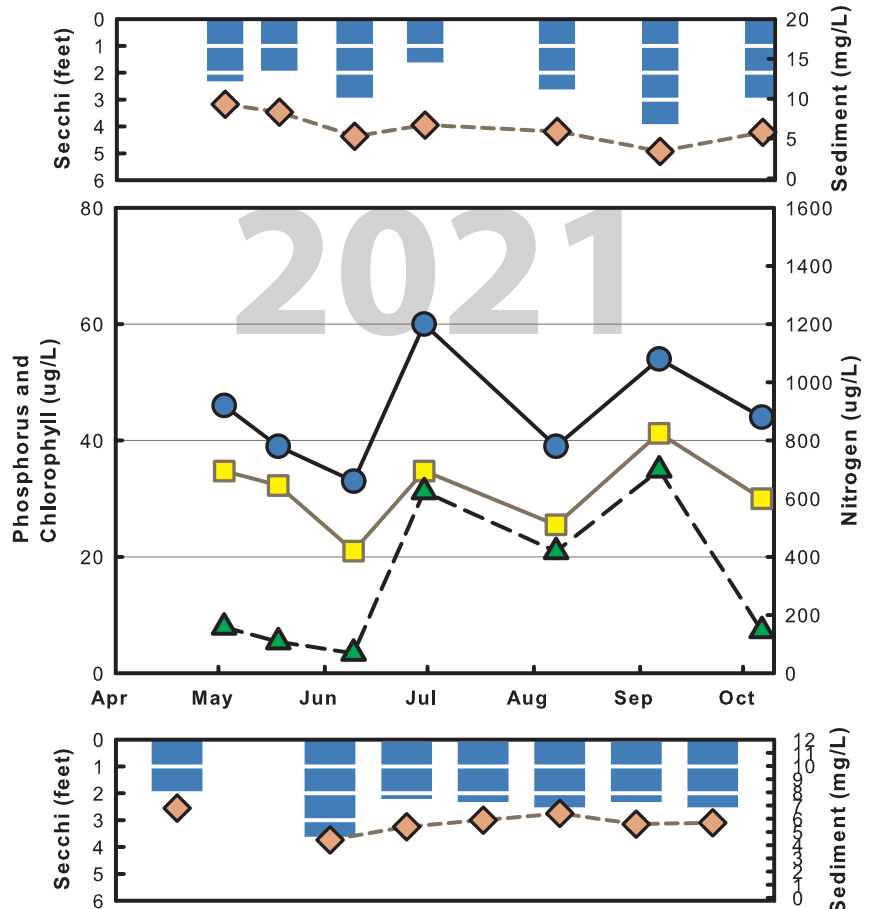
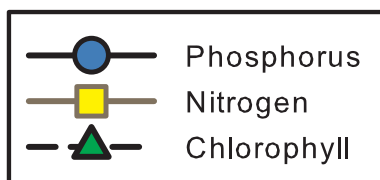
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs



Pomme de Terre Site 5

2021 Data Table	7/14	7/20	8/11	9/9	9/19	Mean*
Temp (F)	79	85	86	78	80	82
Secchi (feet)	2.3	3.0	3.0	2.0	3.0	2.6
Phosphorus (µg/L)	30	31	31	31	27	30
Nitrogen (µg/L)	575	670	580	770	640	643
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	16.3	15.3	15.4	29.8	33.8	20.8
Sediment (mg/L)	4.0	2.6	4.2	3.8	2.2	3.3
Microcystin (µg/L)						
Cylindro (µg/L)						

No 2021 Toxin Data

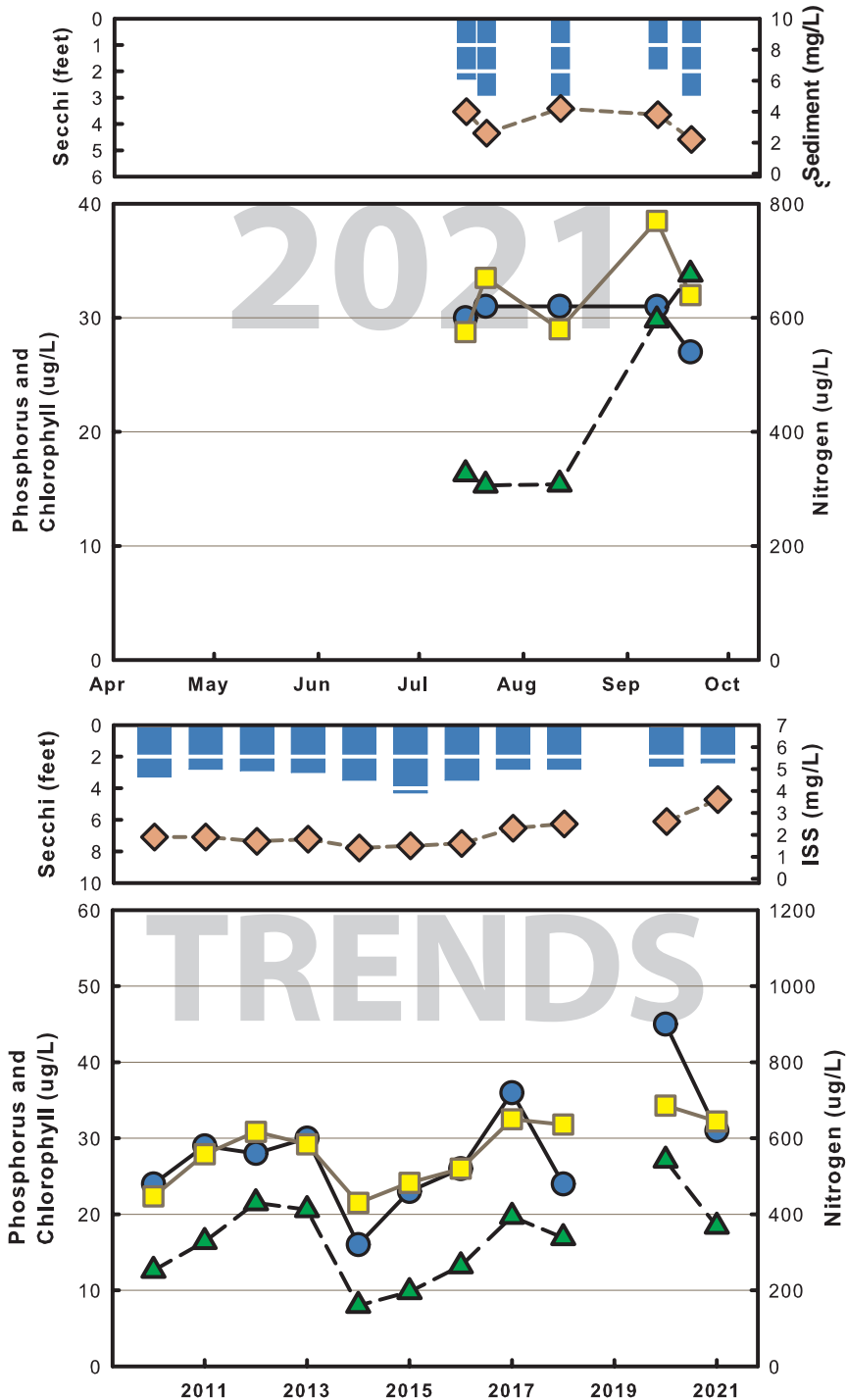
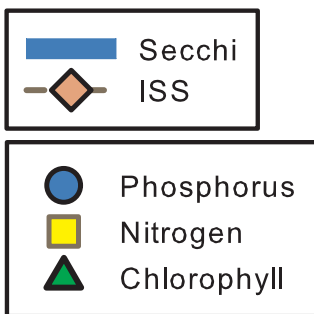
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

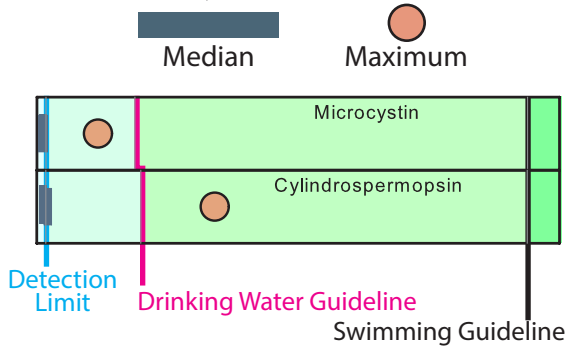
Legend for 2021 and Trend graphs



Rothwell

2021 Data Table	4/27	5/19	6/11	6/29	7/19	8/13	9/3	9/22	Mean*
Temp (F)	59	64	82	77	78	80	77	72	73
Secchi (feet)	3.0	2.0	3.3	1.6	2.6	2.6	1.6	2.3	2.3
Phosphorus (µg/L)	66	58		63	32	39	51	35	47
Nitrogen (µg/L)	760	520	715	850	790	875	1120	825	791
Ammonium (µg/L)	63	11	<10	<10	<10	<10	<10	<10	<10
Nitrate (µg/L)	237	72	25	14	6	19	<5	<5	17
Chlorophyll (µg/L)	10.6	9.3	15.5	41.1	24.7	17.5	39.0	26.8	20.3
Sediment (mg/L)	4.5	3.9	1.2	2.4	1.0	2.2	1.0	1.2	1.8
Microcystin (µg/L)	<0.10	<0.10	0.17	0.12	0.18	0.96	0.75	0.62	0.21
Cylindro (µg/L)	0.33	0.24	0.17	0.10	<0.04	0.22	2.37	5.18	0.31

2021 Cyanotoxin Results



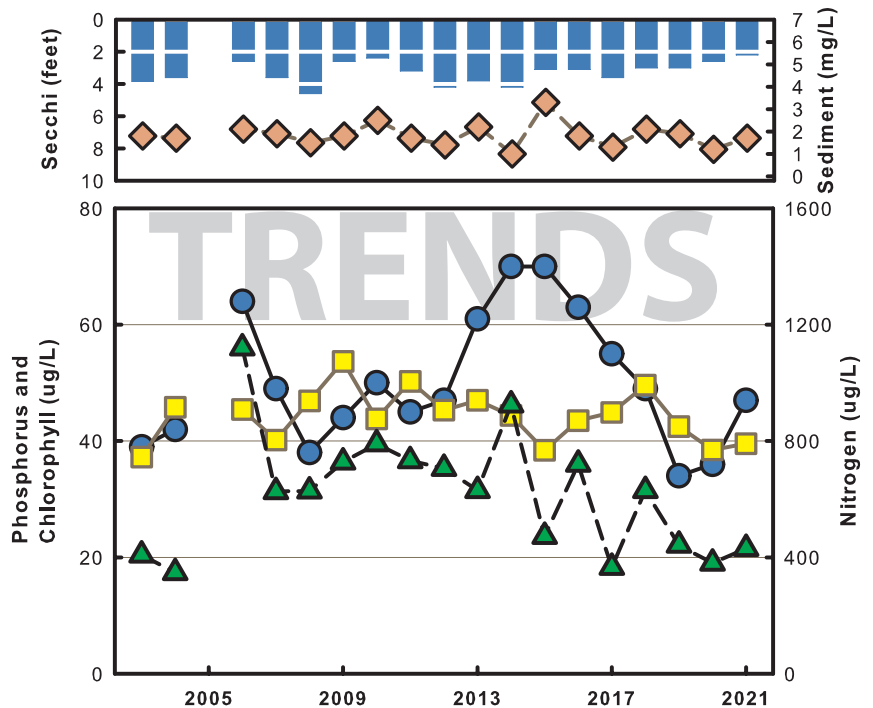
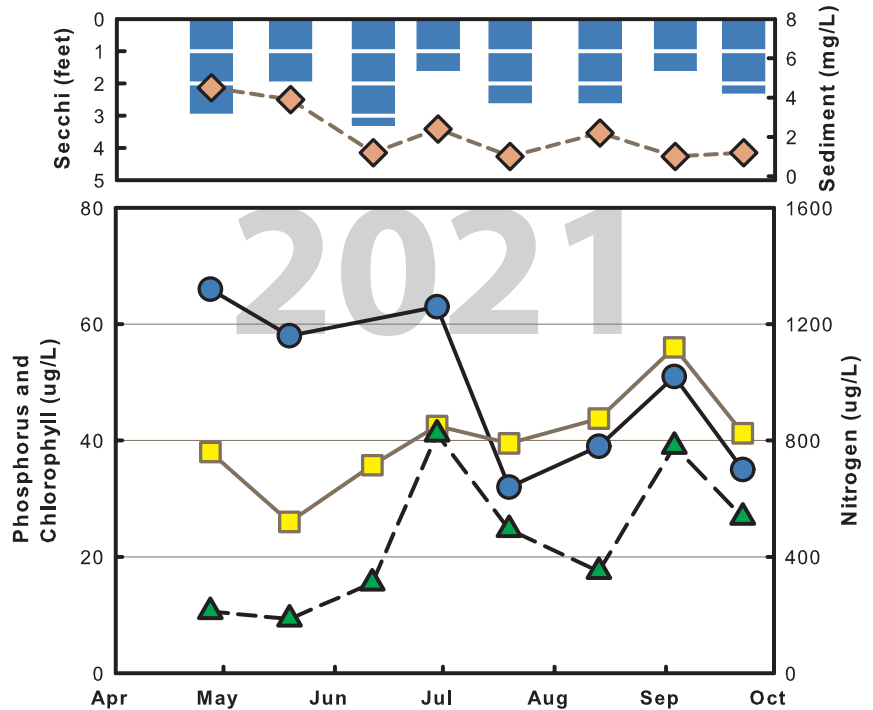
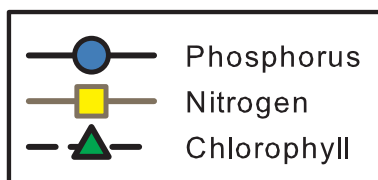
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs



Simpson

2021 Data Table	5/14	5/31	7/10	7/31	8/25	9/3	9/26	Mean*
Temp (F)	67	68	82	82	79	79	72	75
Secchi (feet)	2.3	2.3	1.6	2.6	2.3	2.3	1.6	2.1
Phosphorus (µg/L)	81	99	98	67	73	85	129	88
Nitrogen (µg/L)	775	815	750	735	610	615	1035	751
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	37.6	35.6		38.5	34.4	39.1	32.1	36.1
Sediment (mg/L)	4.5	3.7	6.7	2.4	3.8	3.9	7.6	4.4
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2021 Toxin Data

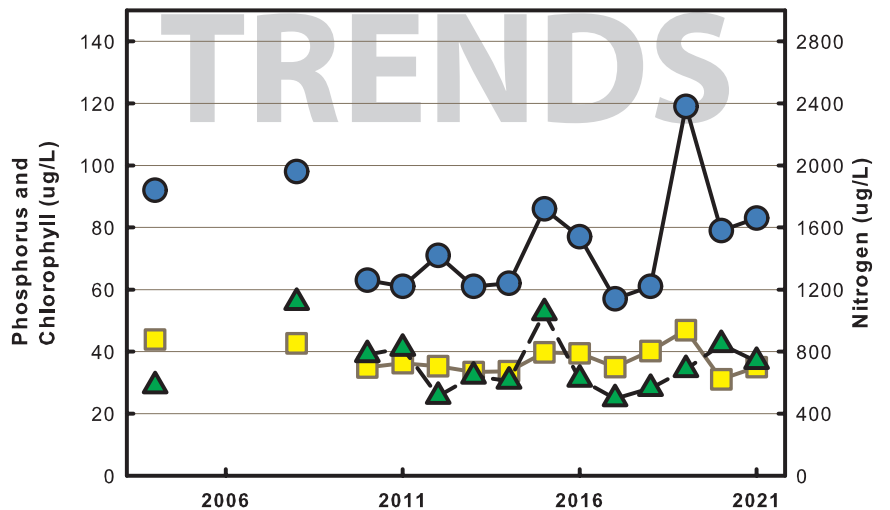
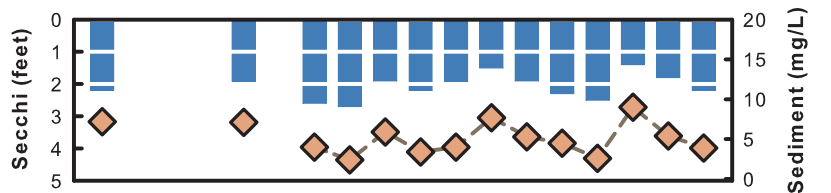
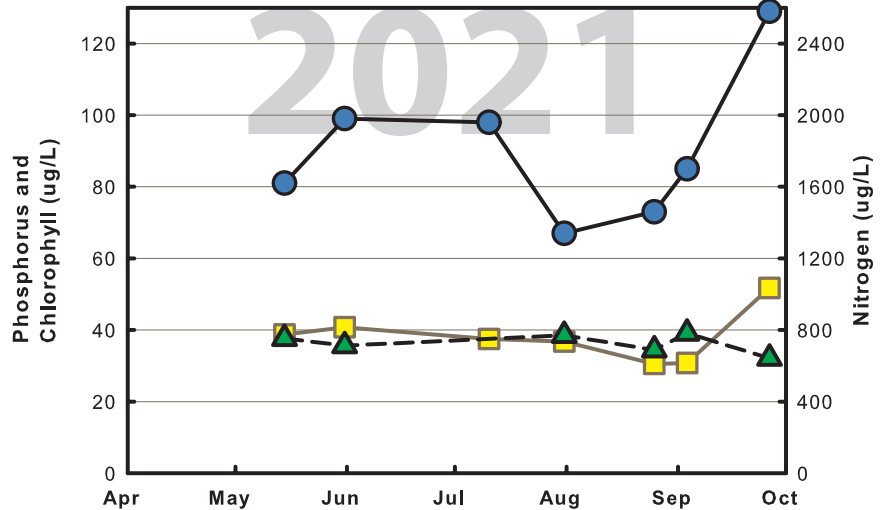
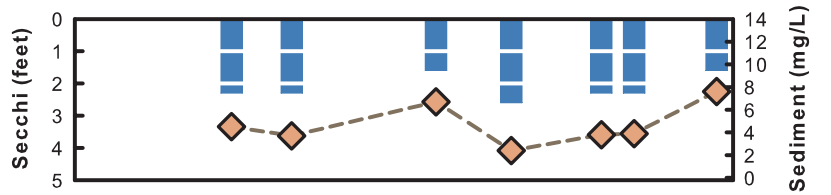
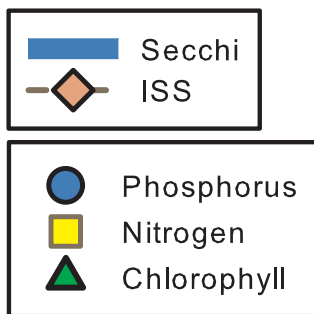
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

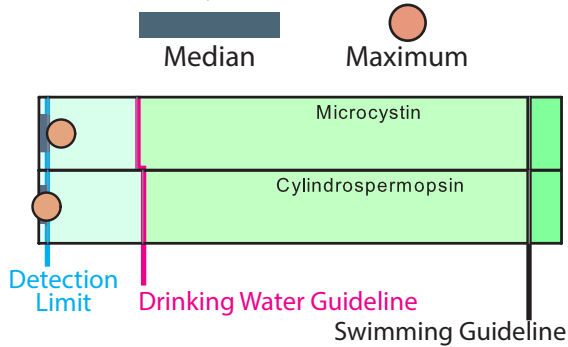
Legend for 2021 and Trend graphs



Smithville Site 4

2021 Data Table	4/29	5/21	6/9	6/30	7/22	8/12	9/3	9/23	Mean*
Temp (F)	60	68	84	78	85	82	81	75	76
Secchi (feet)	3.3	2.6	3.0	2.0	2.0	1.6	2.0	1.6	2.2
Phosphorus (µg/L)	34	28	22	51	50	52	53	83	43
Nitrogen (µg/L)	1455	1340	1105	1135	945	850	845	970	1061
Ammonium (µg/L)	147	138	11	18	<10	<10	34	213	30
Nitrate (µg/L)	876	717	492	303	<5	<5	6	19	56
Chlorophyll (µg/L)	2.4	4.8	19.6	42.2	39.9	43.2	42.1	44.3	20.5
Sediment (mg/L)	2.6	1.6	1.0	3.7	5.4	4.1	2.8	2.6	2.7
Microcystin (µg/L)	<0.10	0.14	<0.10	0.20	0.35	0.27	0.21	0.12	0.14
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



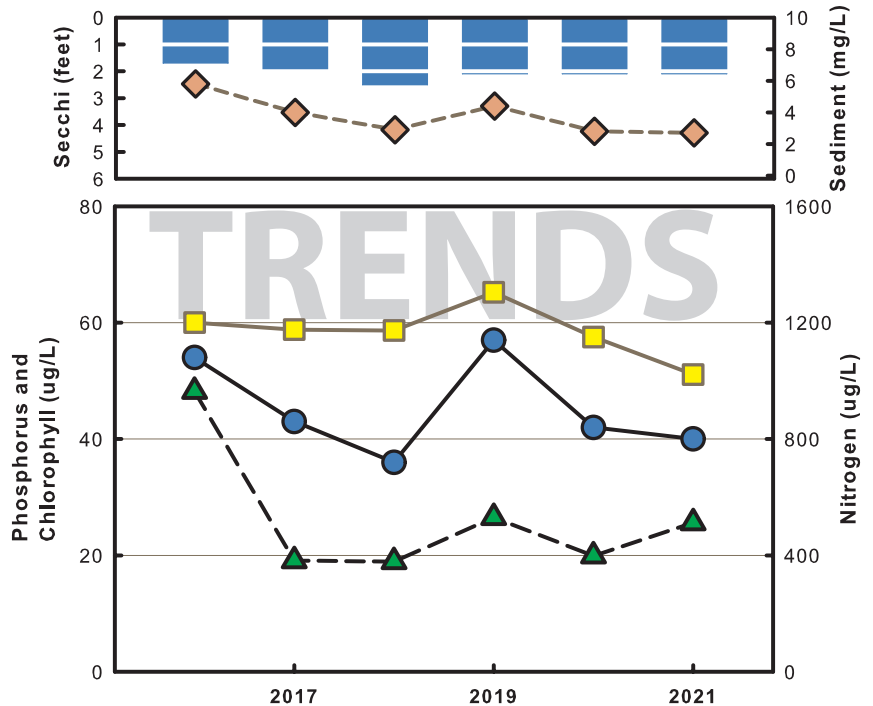
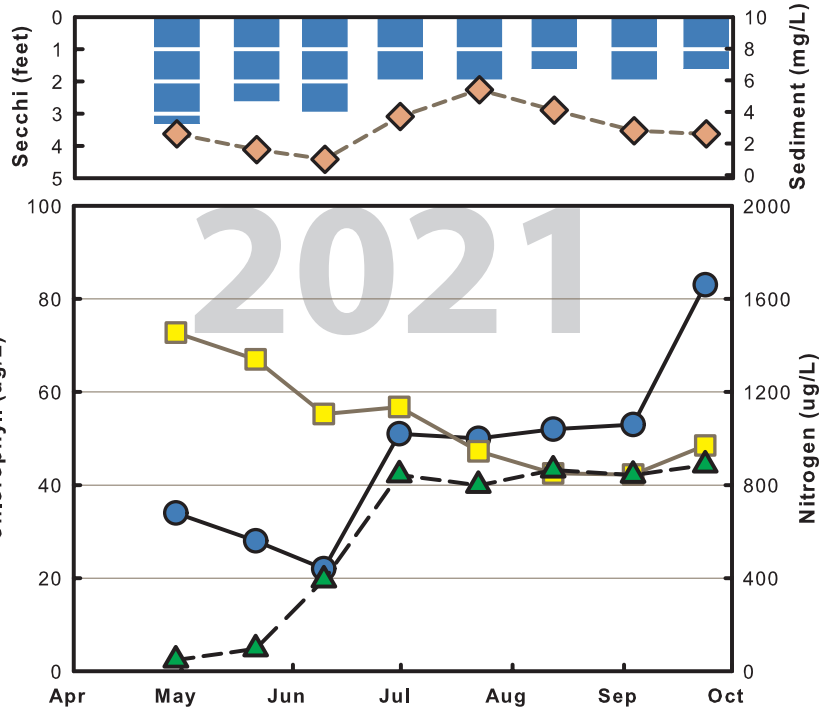
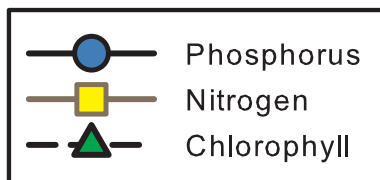
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

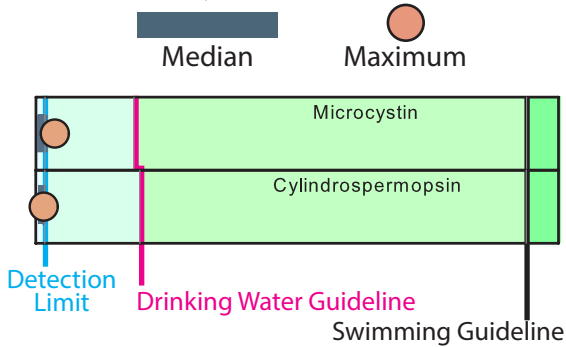
Legend for 2021 and Trend graphs



Smithville Site 5

2021 Data Table	4/26	5/19	6/8	7/1	7/20	8/14	9/3	9/25	Mean*
Temp (F)	58	65	80	77	81	80	78	72	73
Secchi (feet)	3.9	3.9	3.3	3.3	2.0	1.6	1.6	2.6	2.6
Phosphorus (µg/L)	44	37	23	33	45	50	41	43	39
Nitrogen (µg/L)	1140	990	623	687	980	1025	850	855	878
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	2.6	15.0	13.6	24.6	36.0	38.0	34.1	36.3	19.6
Sediment (mg/L)	3.2	2.9	2.1	2.1	5.2	3.0	3.4	2.6	2.9
Microcystin (µg/L)	<0.10	0.18	0.16	0.19	0.20	0.15	0.18	0.28	0.16
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



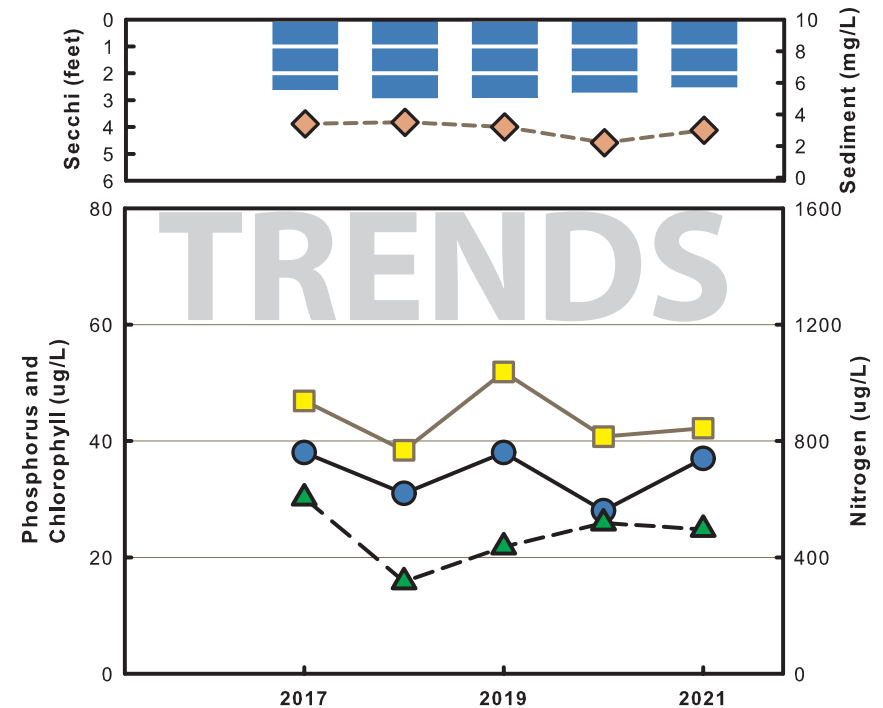
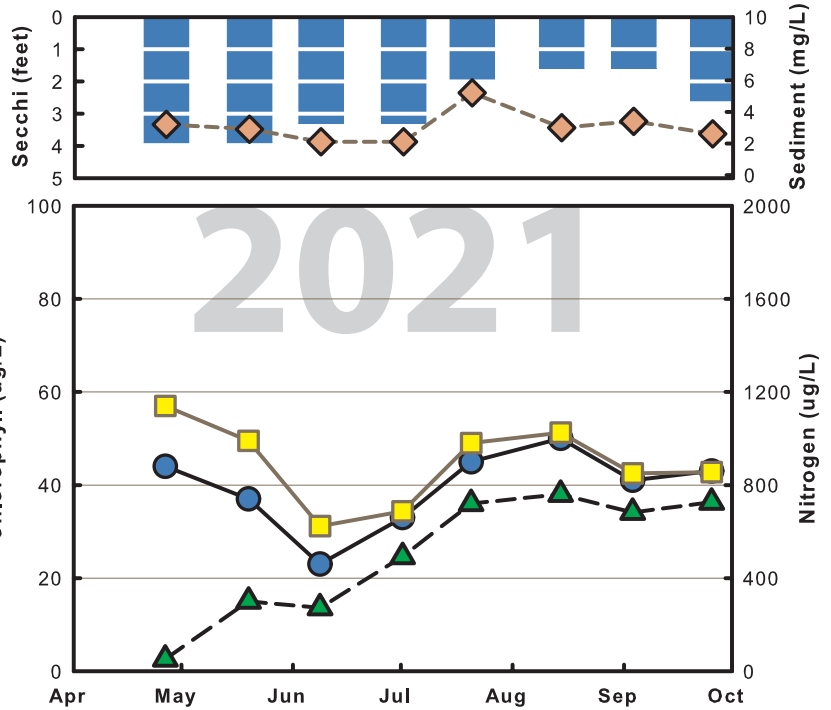
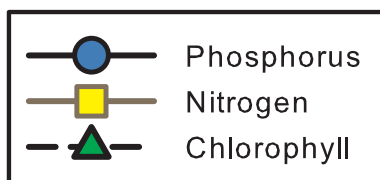
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

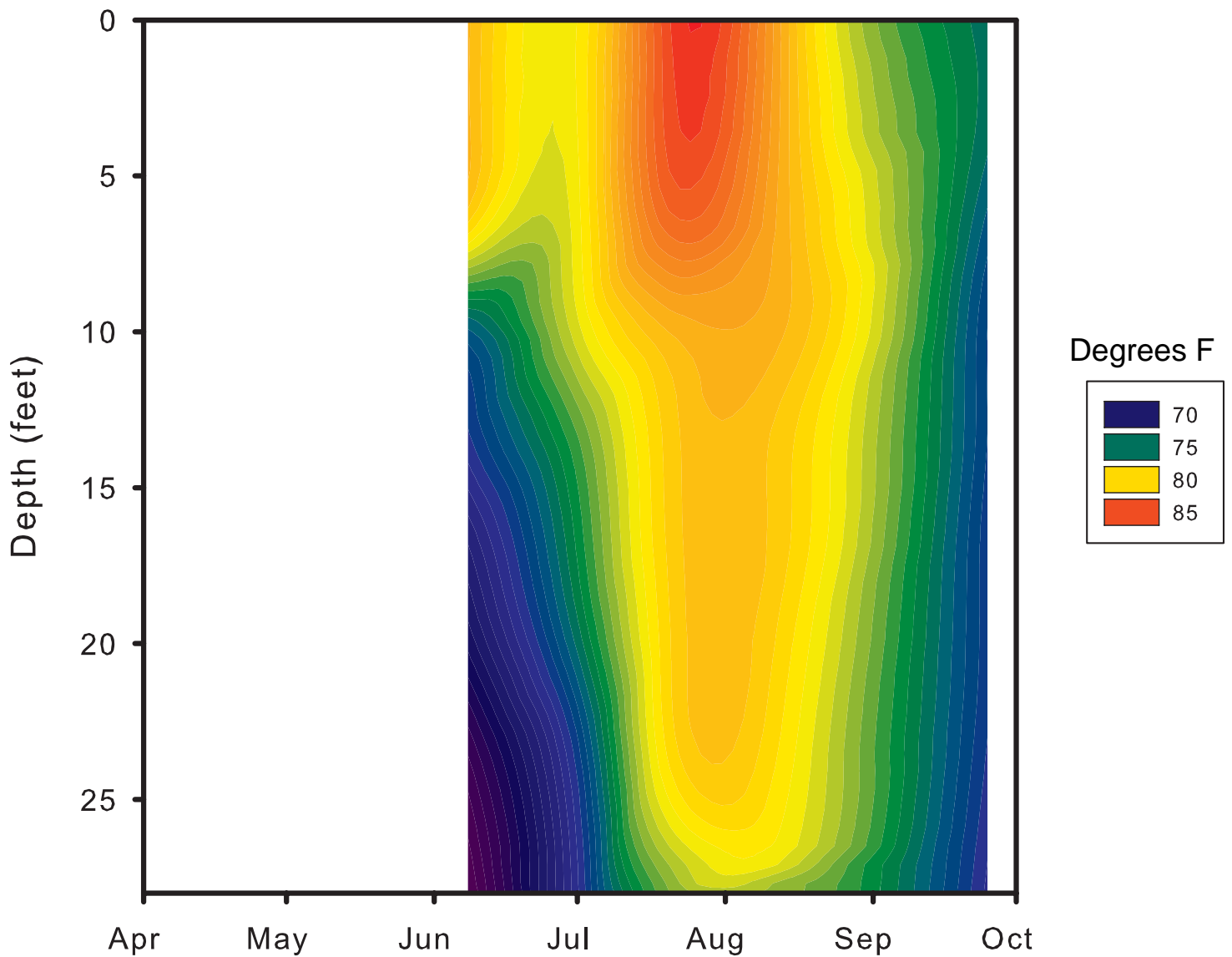


Smithville Site 5

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

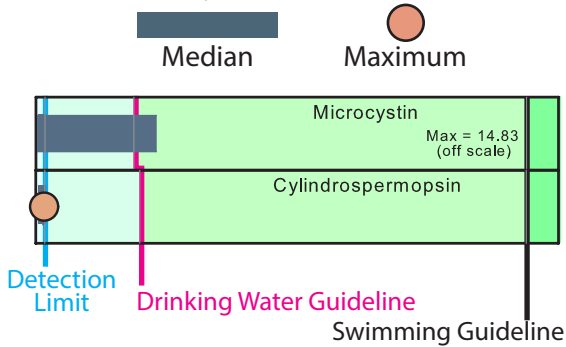
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Spanish Lake

2021 Data Table	5/2	5/23	6/12	6/30	7/19	8/9	9/4	9/26	Mean*
Temp (F)	68	75	84	83	84	88	85	77	80
Secchi (feet)	1.6	2.0	2.6	1.6	1.6	1.3	1.0	1.3	1.6
Phosphorus (µg/L)	160	138	152	252	367	405	558	401	270
Nitrogen (µg/L)	915	715	970	1370	1705	1855	2195	2035	1368
Ammonium (µg/L)	<10	<10	<10	<10	<10	19	<10	<10	<10
Nitrate (µg/L)	6	<5	<5	<5	<5	<5	<5	<5	<5
Chlorophyll (µg/L)	41.4	32.4	35.0	73.3	71.3	120.6	123.2	100.2	66.1
Sediment (mg/L)	5.2	4.8	3.2	4.6	4.2	7.2	5.3	6.8	5.0
Microcystin (µg/L)	<0.10	<0.10	0.16	14.83	1.44	2.52	11.79	2.48	0.94
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



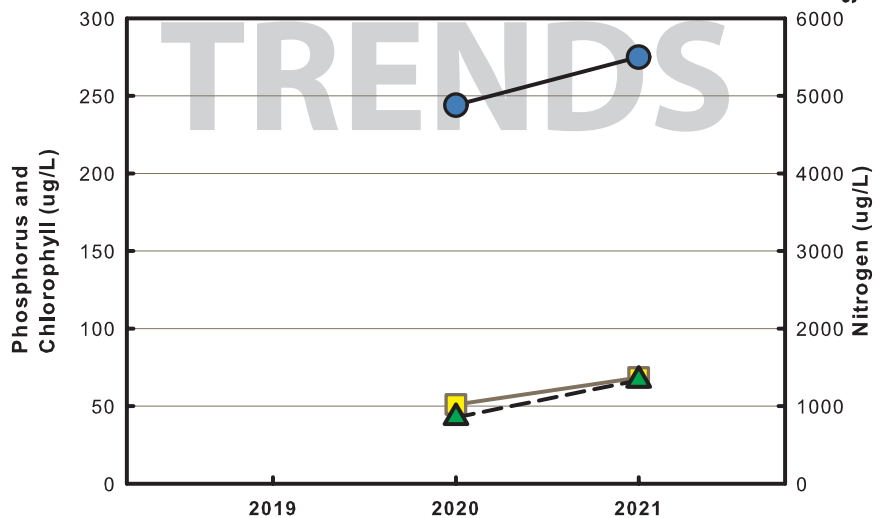
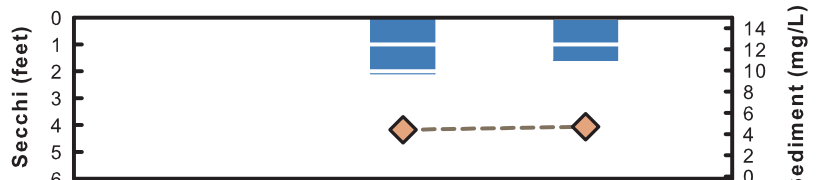
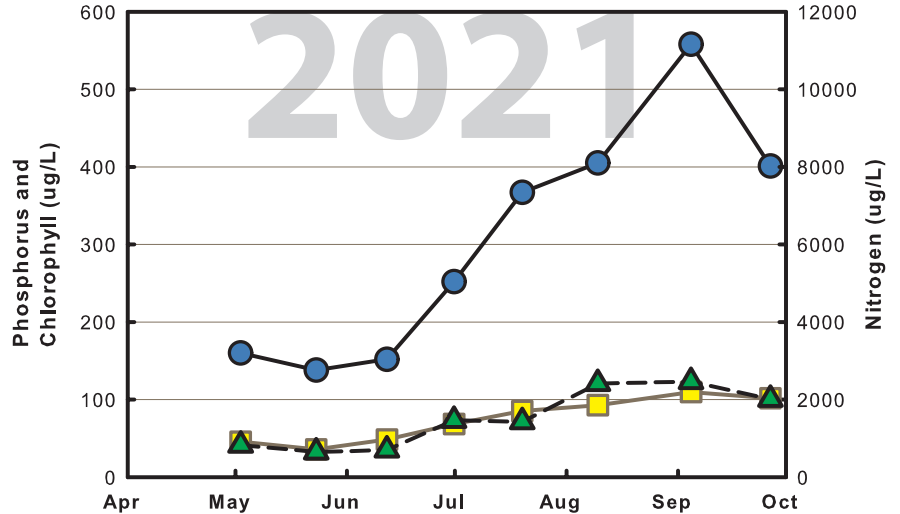
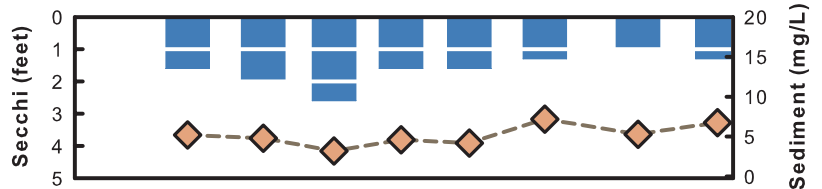
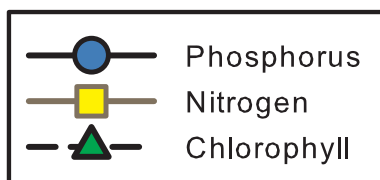
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

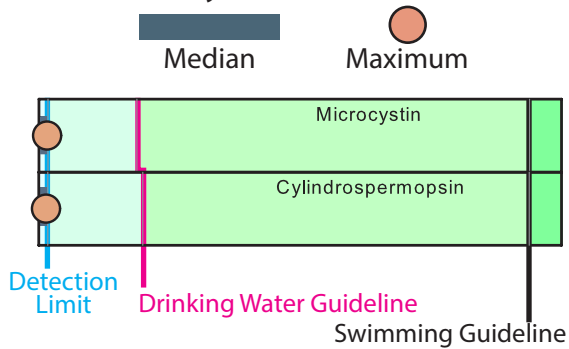
Legend for 2021 and Trend graphs



Springfork Site 1.1

2021 Data Table	5/2	Mean*
Temp (F)		
Secchi (feet)	1.3	1.3
Phosphorus (µg/L)	130	130
Nitrogen (µg/L)	1890	1890
Ammonium (µg/L)	162	162
Nitrate (µg/L)	833	833
Chlorophyll (µg/L)	37.9	37.9
Sediment (mg/L)	9.6	9.6
Microcystin (µg/L)	0.12	0.12
Cylindro (µg/L)	<0.04	<0.04

2021 Cyanotoxin Results

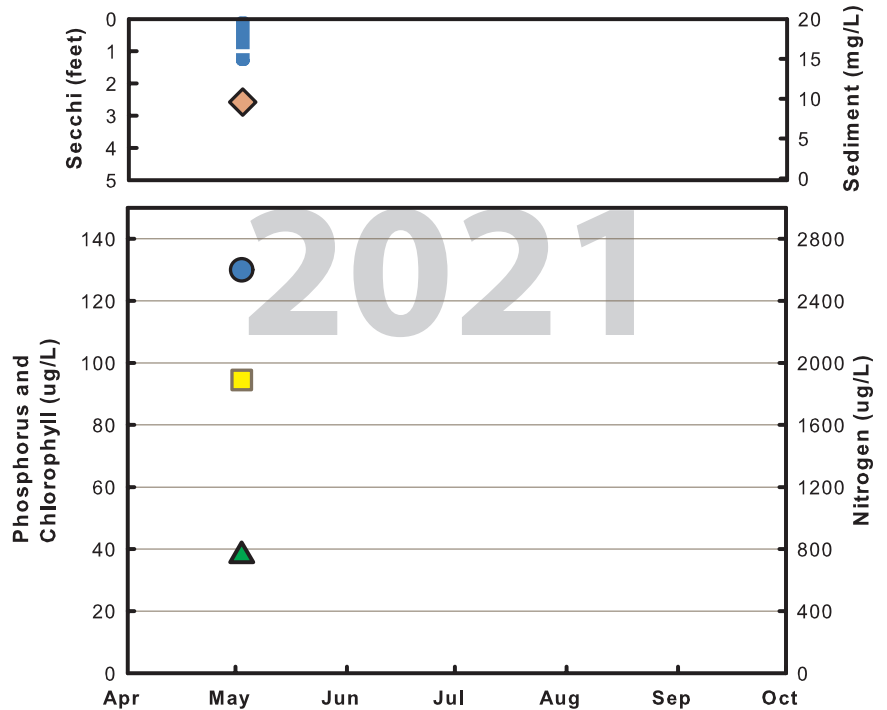


(* Table shows geometric means)

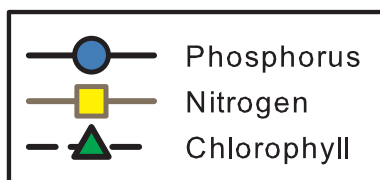
Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)



Legend for 2021 and Trend graphs

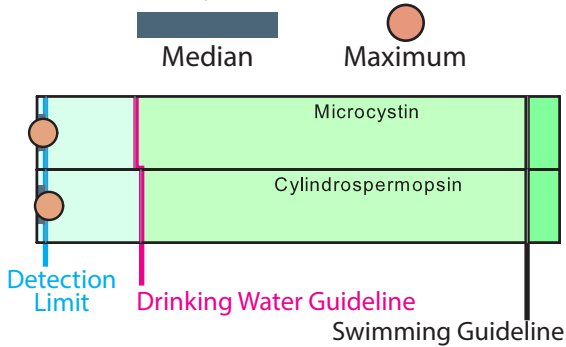


TRENDS

Lake Springfield Site 1

2021 Data Table	5/24	6/5	7/2	7/18	8/9	9/1	9/18	Mean*
Temp (F)	65	65	74	78	79	80	73	73
Secchi (feet)	5.6	6.6	1.3	2.0	1.3	1.3	1.6	2.2
Phosphorus (µg/L)	76	79	103	50	104	111	77	83
Nitrogen (µg/L)	1170	1065	1015	760	790	505	565	804
Ammonium (µg/L)	37	57	162	30	20	23	<10	30
Nitrate (µg/L)	1096	985	695	324	82	8	<5	125
Chlorophyll (µg/L)	1.4	1.0	13.3	25.7	45.3	35.0	30.8	11.3
Sediment (mg/L)	6.1	6.2	14.8	8.3	42.1	20.0	21.0	13.5
Microcystin (µg/L)	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	0.04	<0.04

2021 Cyanotoxin Results



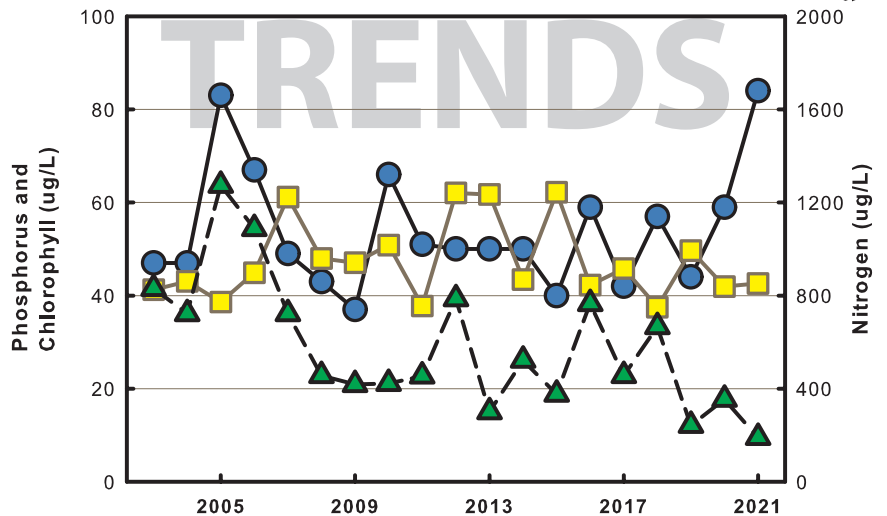
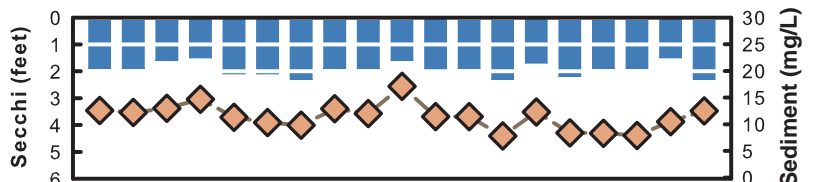
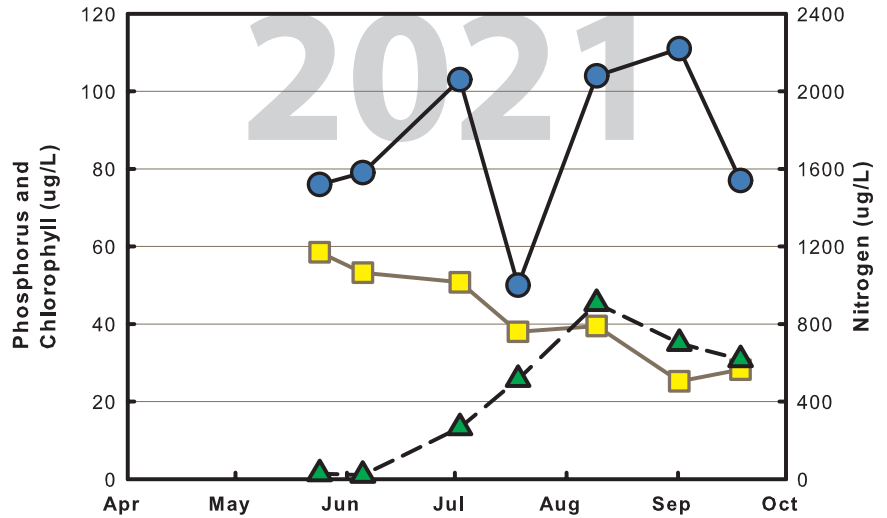
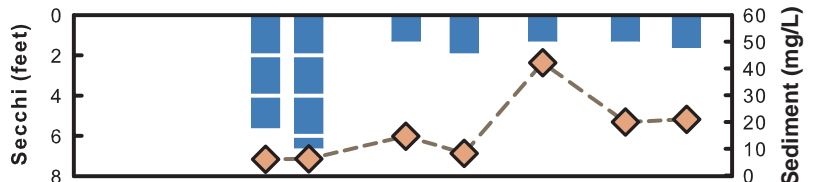
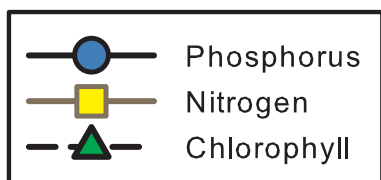
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
 (geometric mean data from May 15 - Sept. 15 only)

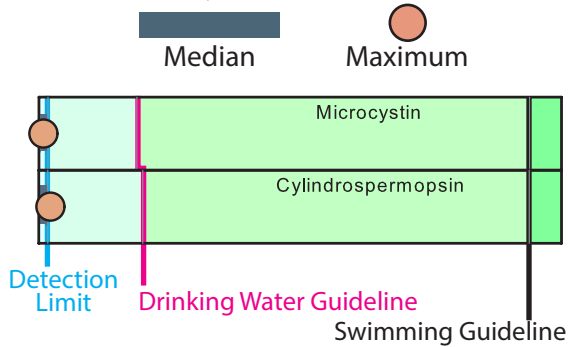
Legend for 2021 and Trend graphs



Lake Springfield Site 2

2021 Data Table	5/24	6/5	7/2	7/18	8/9	9/1	9/18	Mean*
Temp (F)	61	61	69	73	74	74	71	69
Secchi (feet)	10.5	10.8	3.3	2.3	3.9	3.6	3.9	4.7
Phosphorus (µg/L)	54	54	93	38	23	26	24	39
Nitrogen (µg/L)	1085	1190	1000	760	825	725	875	909
Ammonium (µg/L)	15	21	28	21	25	87	31	28
Nitrate (µg/L)	1036	1049	824	562	665	534	705	744
Chlorophyll (µg/L)	2.6	1.6	2.8	2.6	7.2	4.3	6.3	3.5
Sediment (mg/L)	7.0	6.5	9.7	11.9	3.3	5.1	4.3	6.3
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	0.04	<0.04	0.05	0.05	<0.04

2021 Cyanotoxin Results



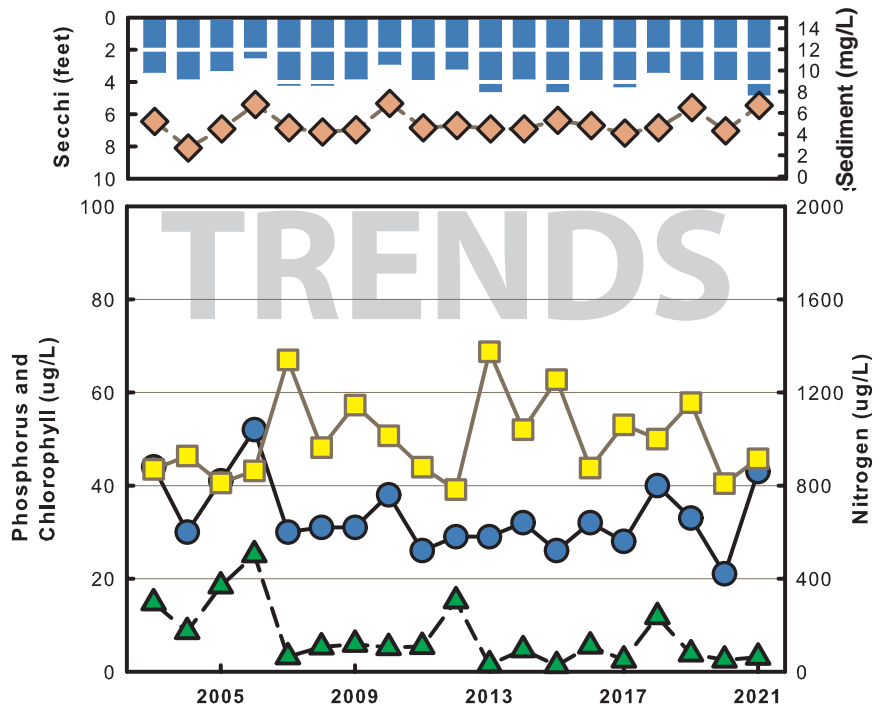
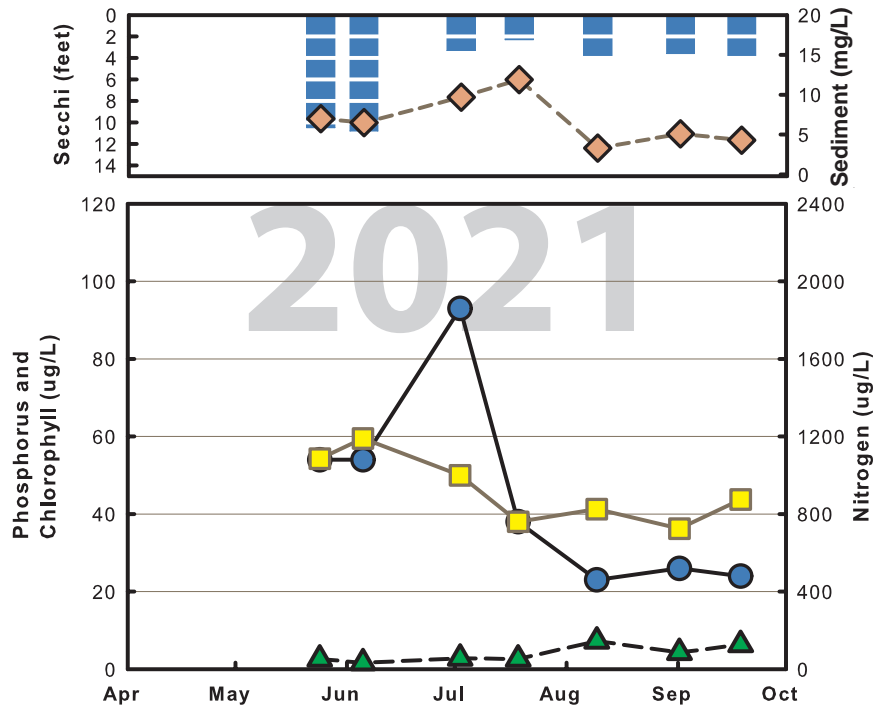
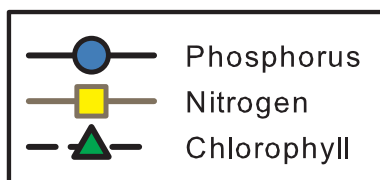
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs



Stockton Site 1

2021 Data Table	5/3	5/26	6/7	7/13	7/29	8/15	8/31	9/23	Mean*
Temp (F)	63	70	75	80	88	82	86	75	77
Secchi (feet)	18.4	6.9	13.1	7.5	11.2	9.8	9.2	6.9	9.8
Phosphorus (µg/L)	14	11	10	9	7	10	8	9	10
Nitrogen (µg/L)	860	630	650	400	265	270	285	295	413
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	2.9	14.6	6.0	11.0	3.5	6.3	5.5	10.0	6.6
Sediment (mg/L)	0.4	0.8	0.6	1.2	0.9	0.6	0.4	0.7	0.7
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2021 Toxin Data

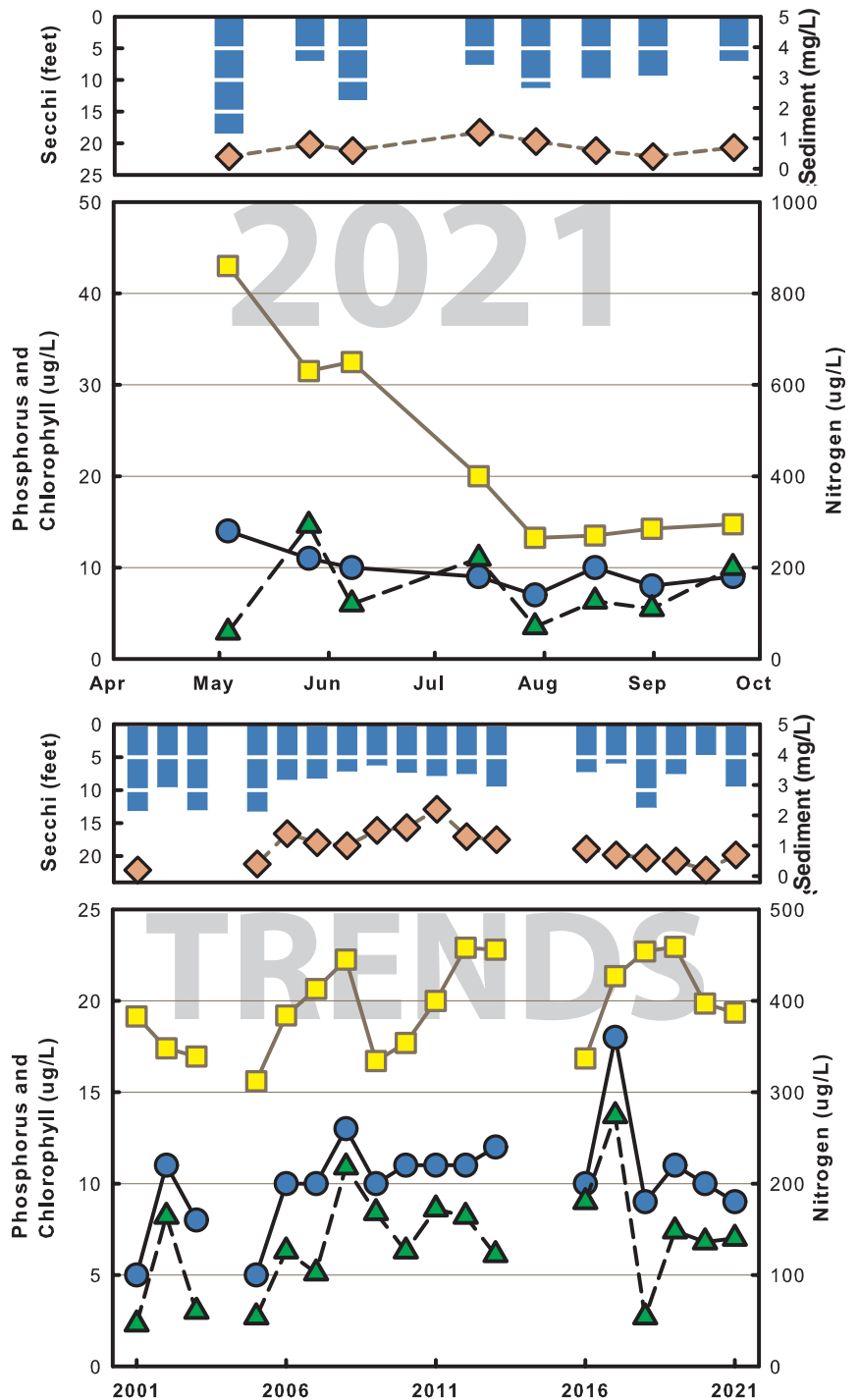
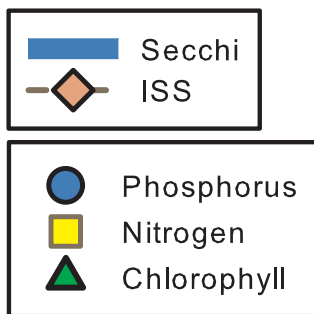
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

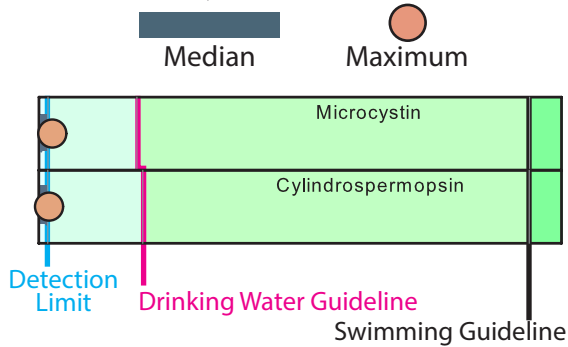
Legend for 2021 and Trend graphs



Stockton Site 6

2021 Data Table	4/27	5/18	6/9	6/29	7/20	8/10	8/30	9/20	Mean*
Temp (F)			80	83	82	88	86	81	83
Secchi (feet)			7.9	5.9	5.6	5.2	4.3	3.0	5.1
Phosphorus (µg/L)	31	47	25	24	18	17	18	23	24
Nitrogen (µg/L)	625	520	385	290	320	350	340	355	386
Ammonium (µg/L)	91	30	29	18	17	<10	<10	<10	15
Nitrate (µg/L)	387	294	127	43	<5	<5	<5	<5	22
Chlorophyll (µg/L)	3.1	12.0	4.8	8.3	9.3	8.3	11.0	15.6	8.2
Sediment (mg/L)	1.7	2.7	0.6	0.9	1.0	0.5	1.2	1.5	1.1
Microcystin (µg/L)	<0.10	0.21	0.17	0.11	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04

2021 Cyanotoxin Results



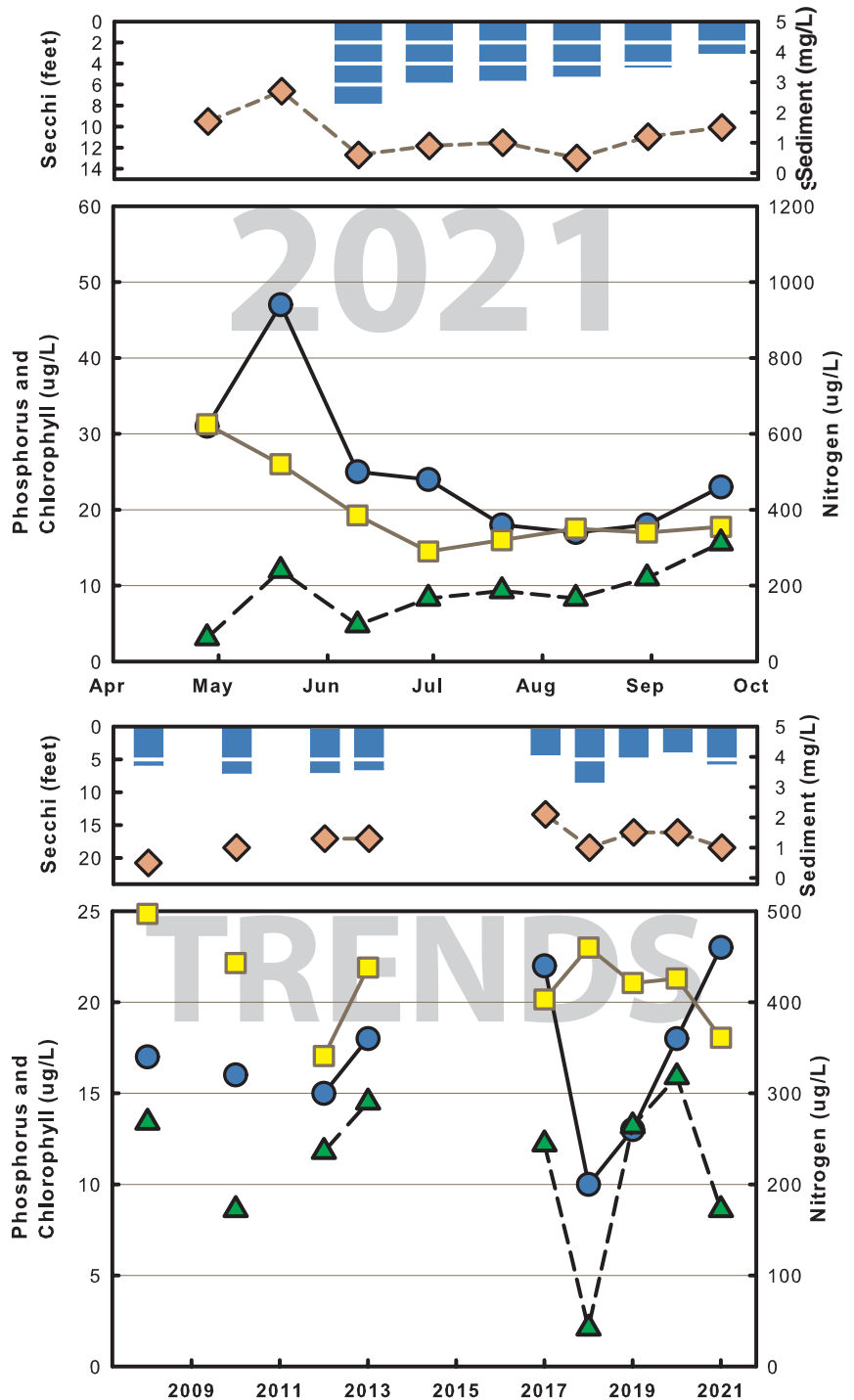
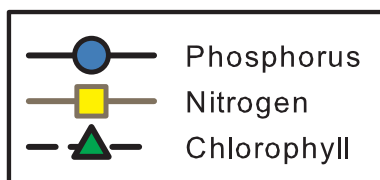
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

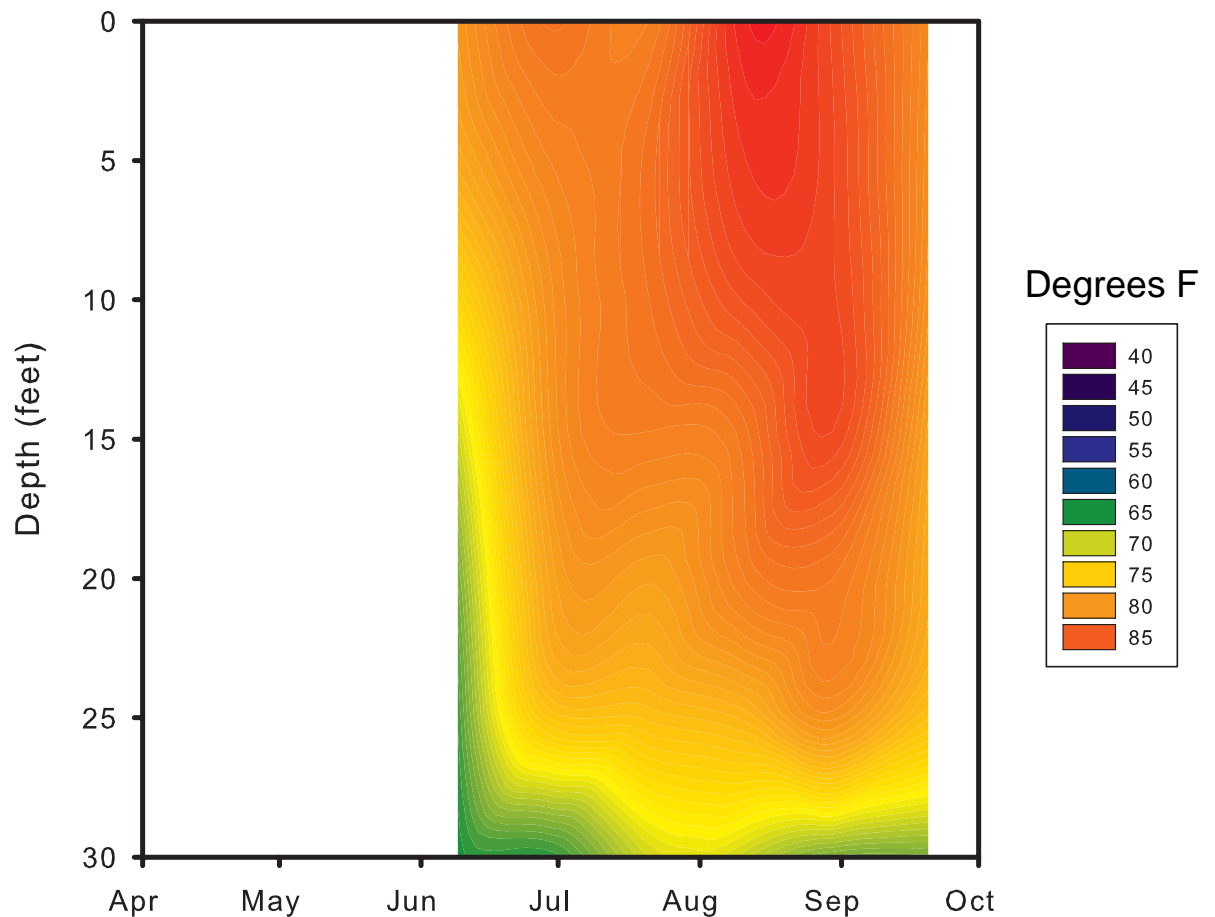
Legend for 2021 and Trend graphs



Stockton Site 6 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

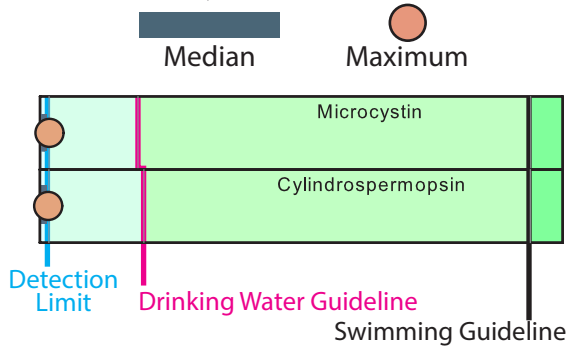
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Stockton Site 8

2021 Data Table	4/25	5/17	6/12	6/27	7/20	8/8	8/29	9/19	Mean*
Temp (F)	64	65	57	80	87	81	86	81	74
Secchi (feet)	1.0	1.6	2.0	1.3	1.6	1.3	1.3	1.0	1.4
Phosphorus (µg/L)	117	85	72	98	108	99	101	114	98
Nitrogen (µg/L)	670	730	480	935	930	800	880	840	768
Ammonium (µg/L)	29	44	24	160	13	99	71	<10	35
Nitrate (µg/L)	313	827	180	199	105	11	8	6	69
Chlorophyll (µg/L)	13.2	12.6	24.3	25.2	75.3	43.4	46.8	48.6	30.5
Sediment (mg/L)	28.8	24.3	10.2	14.8	12.8	22.5	16.8	22.3	18.0
Microcystin (µg/L)		0.11	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



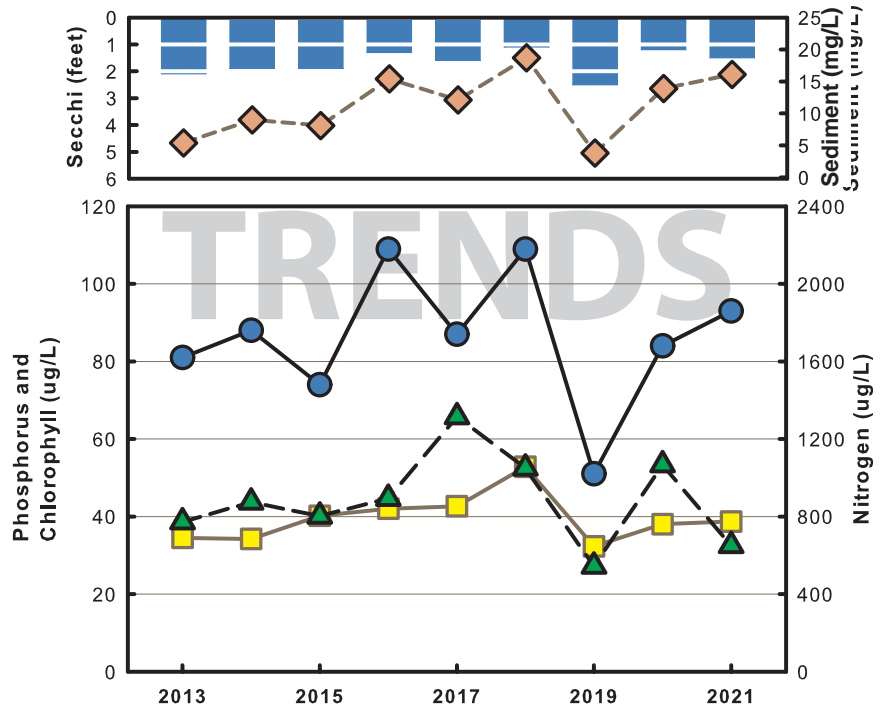
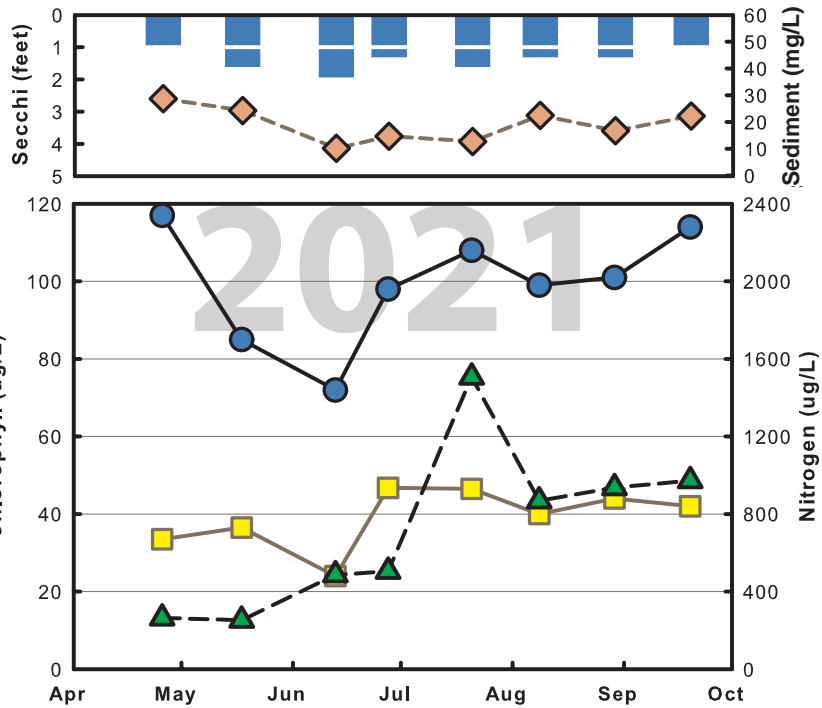
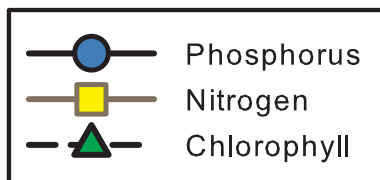
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

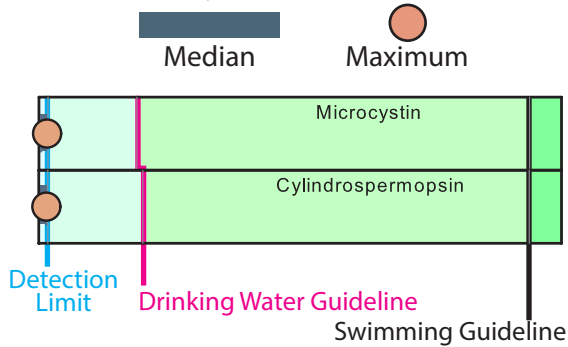
Legend for 2021 and Trend graphs



Sugar Creek Site 1

2021 Data Table	4/21	5/21	6/12	7/1	7/20	8/10	9/1	10/2	Mean*
Temp (F)	52	69	86	80	81	83	75	74	74
Secchi (feet)	2.3	2.3	2.3	3.3	2.6	2.3	3.0	3.0	2.6
Phosphorus (µg/L)	82	100	53	47	48	50	42	45	56
Nitrogen (µg/L)	920	1273	610	600	850	830	770	745	803
Ammonium (µg/L)				<10	17	35	17		15
Nitrate (µg/L)				<5	<5	<5	<5		<5
Chlorophyll (µg/L)	27.9	14.1	13.2	17.8	28.0	31.4	27.5	33.6	22.9
Sediment (mg/L)	7.5	8.5	5.9	3.1	3.2	4.0	2.3	2.1	4.0
Microcystin (µg/L)					<0.10	<0.10	<0.10	0.13	<0.10
Cylindro (µg/L)					<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



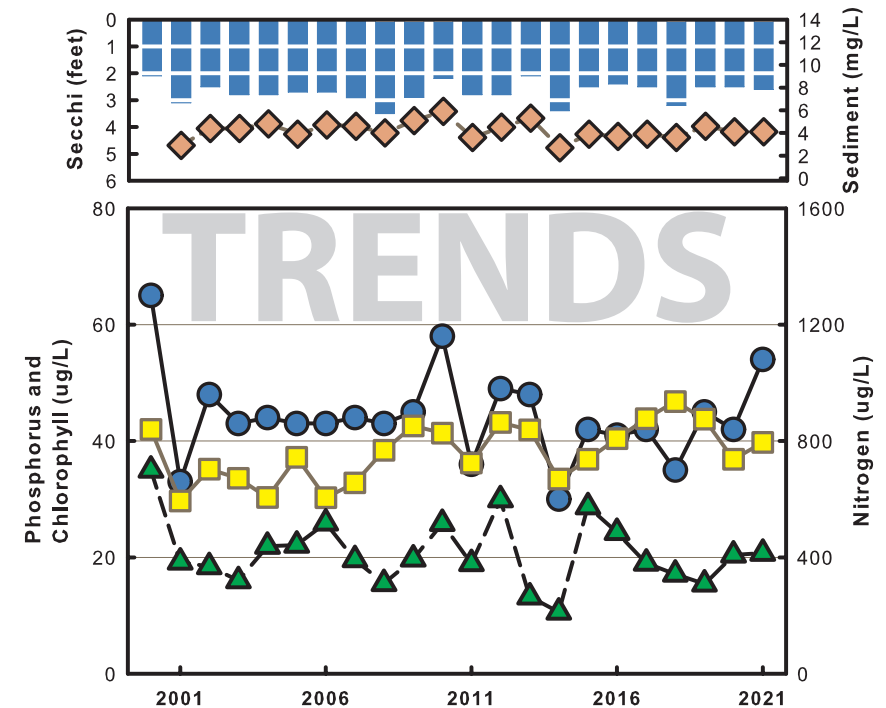
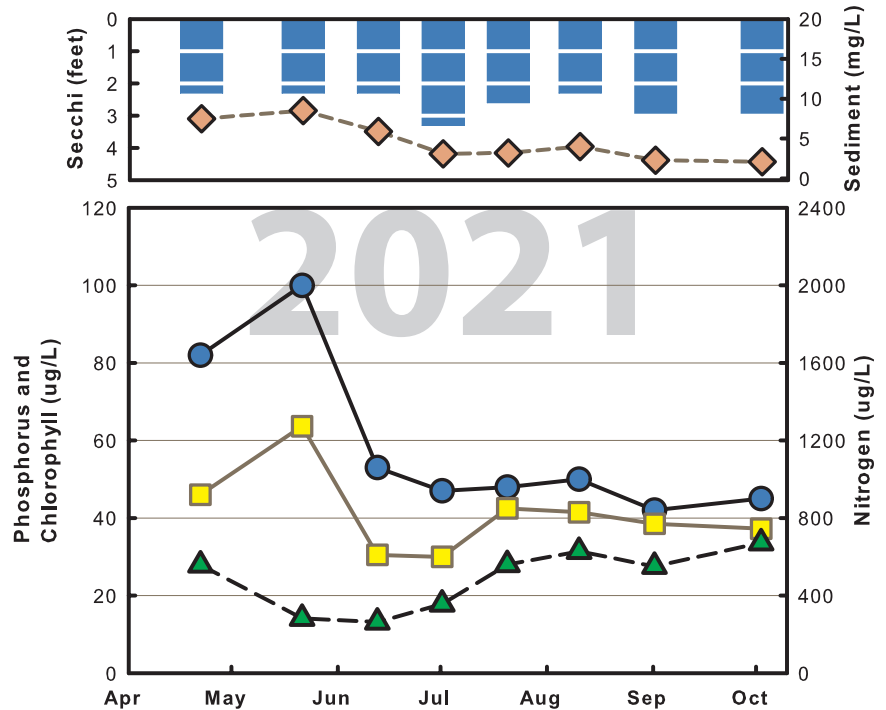
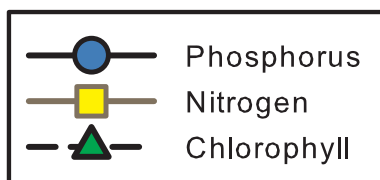
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

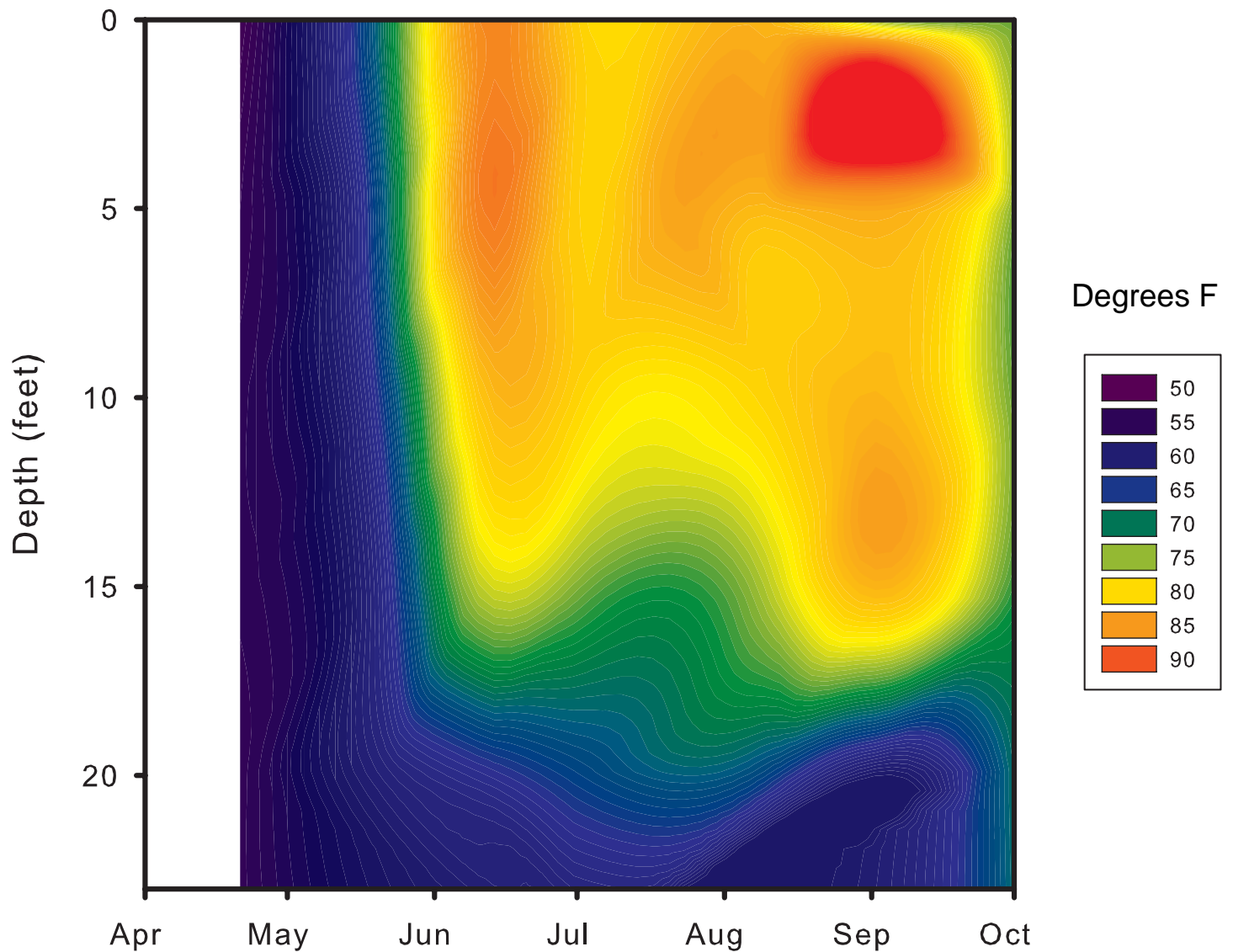
Legend for 2021 and Trend graphs



Sugar Creek Site 1 2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

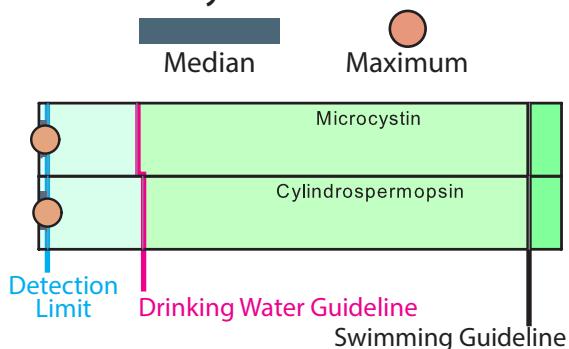
Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.



Sugar Creek Site 4

2021 Data Table	4/21	5/21	6/12	7/1	7/20	8/10	9/1	10/2	Mean*
Temp (F)	58	74	88	82	82	85	82	75	78
Secchi (feet)	1.6	1.3	1.0	1.3	2.0	1.6	1.3	1.0	1.4
Phosphorus (µg/L)	90	153	114	109	57	97	112	119	103
Nitrogen (µg/L)	965	1095	795	1060	800	1070	1030	1560	1026
Ammonium (µg/L)	30	23	53	28	<10	12	34	36	23
Nitrate (µg/L)	276	117	7	6	<5	<5	<5	<5	10
Chlorophyll (µg/L)	30.7	44.9	32.7	41.0	27.6	38.6	40.2	42.9	36.8
Sediment (mg/L)	14.4	13.4	28.6	14.2	14.0	15.6	26.8	21.6	17.8
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results

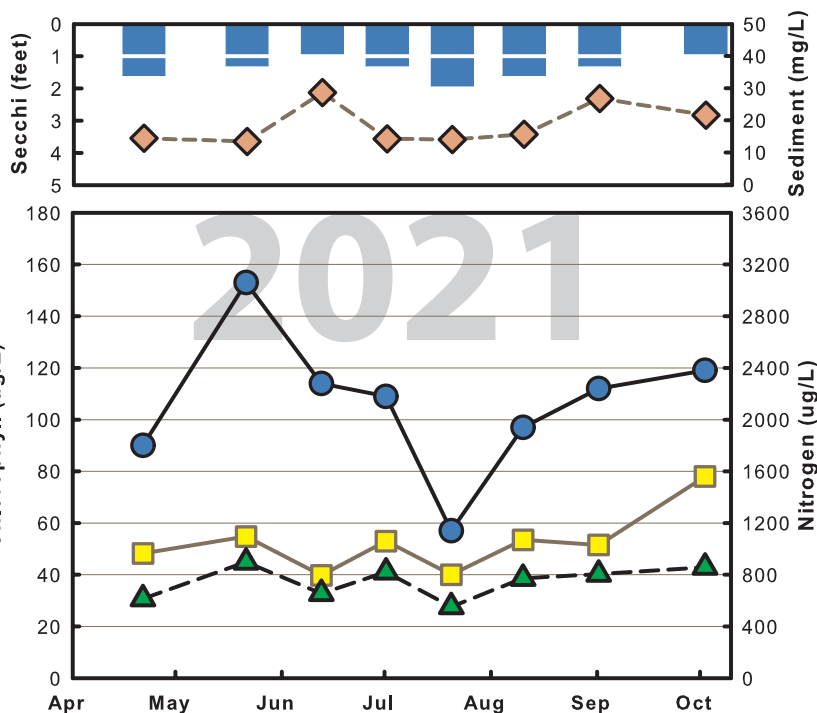


(* Table shows geometric means)

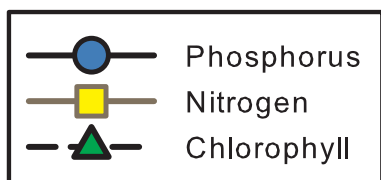
Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)



Legend for 2021 and Trend graphs



TRENDS

Sugar Creek Site 4

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.

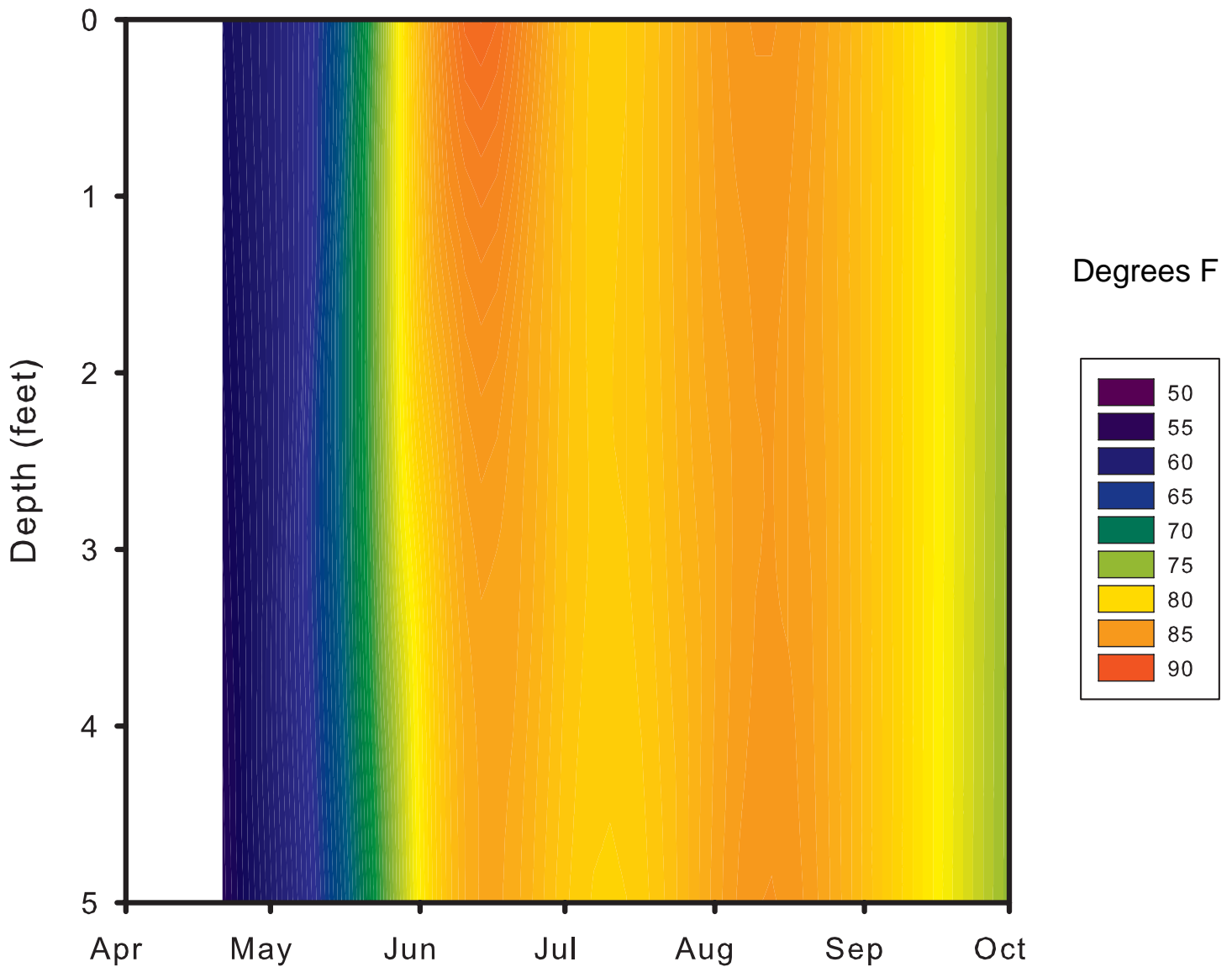
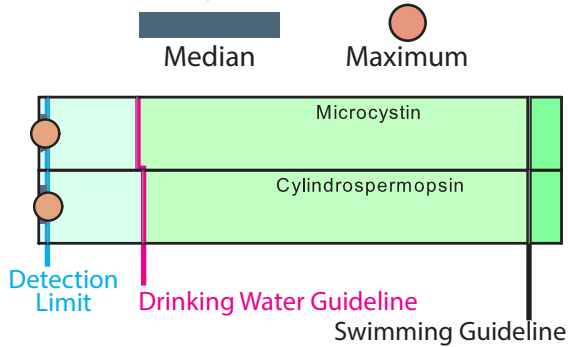


Table Rock Site 1

2021 Data Table	4/26	5/16	6/7	6/28	7/19	8/9	8/30	9/20	Mean*
Temp (F)	58	67	74	82	83	84	86	79	76
Secchi (feet)	18.4	14.8	6.2	7.2	7.2	8.2	7.5	5.6	8.6
Phosphorus (µg/L)	5	4	8		7	8	8	8	7
Nitrogen (µg/L)	675	800	690	605	395	450	280	345	499
Ammonium (µg/L)		27	<10	15	<10	12	<10	<10	<10
Nitrate (µg/L)		611	505	302	149	33	11	<5	76
Chlorophyll (µg/L)	3.3	2.4	9.2	8.1	7.2	8.5	6.6	9.0	6.2
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	0.05	0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

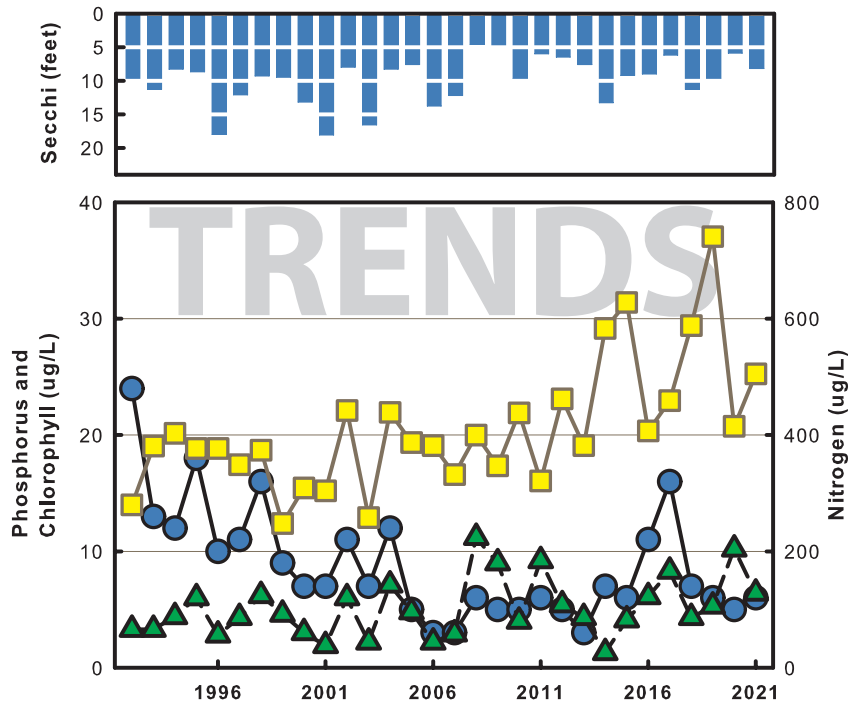
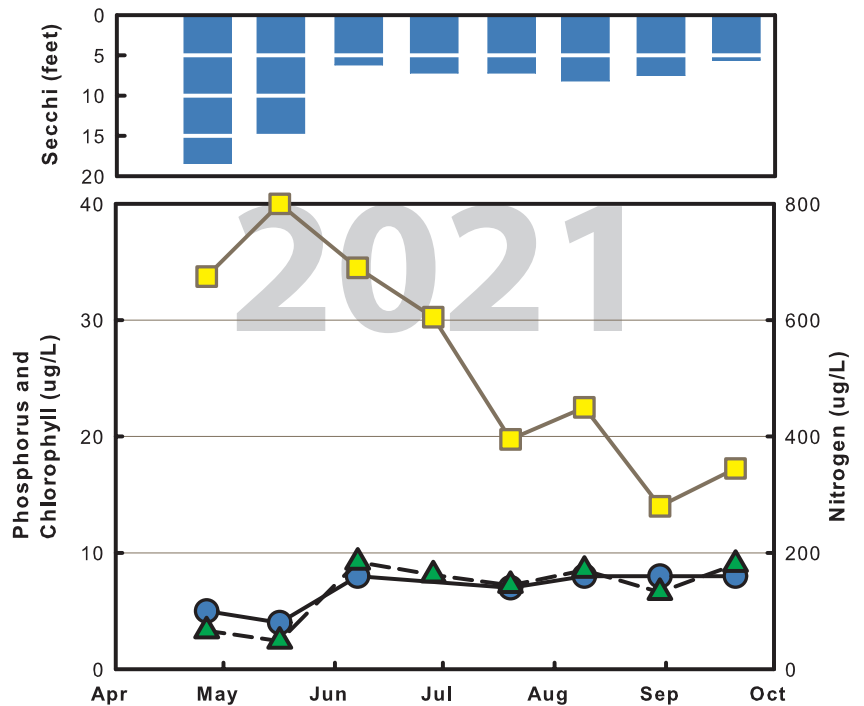
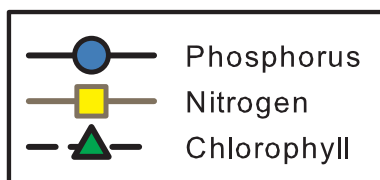
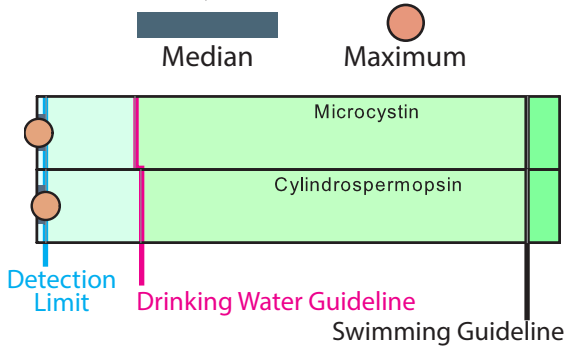


Table Rock 10

2021 Data Table	4/25	6/20	Mean*
Temp (F)		83	83
Secchi (feet)	14.1	3.6	7.1
Phosphorus (µg/L)	8	16	11
Nitrogen (µg/L)	645	335	465
Ammonium (µg/L)	<10	17	<10
Nitrate (µg/L)	457	8	60
Chlorophyll (µg/L)	3.2	1.5	2.2
Sediment (mg/L)			
Microcystin (µg/L)	<0.10	<0.10	<0.10
Cylindro (µg/L)	0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs

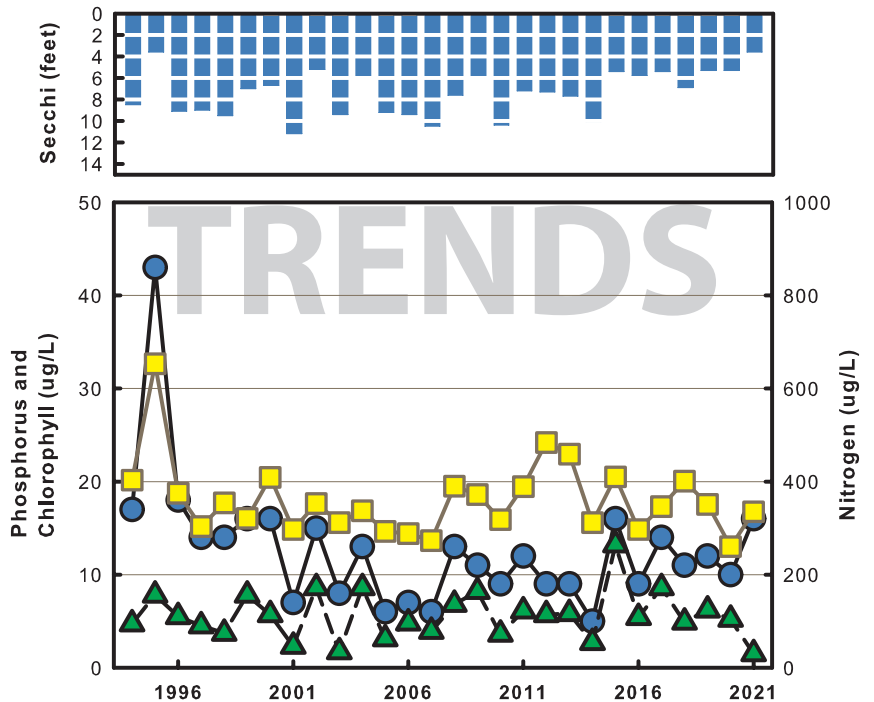
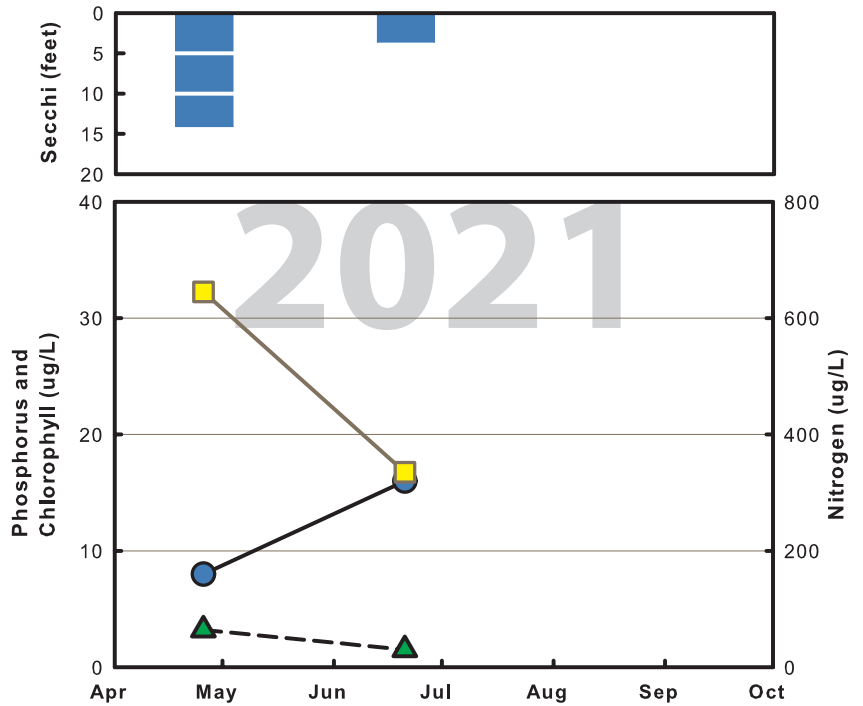
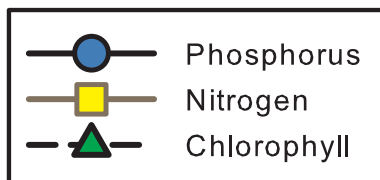
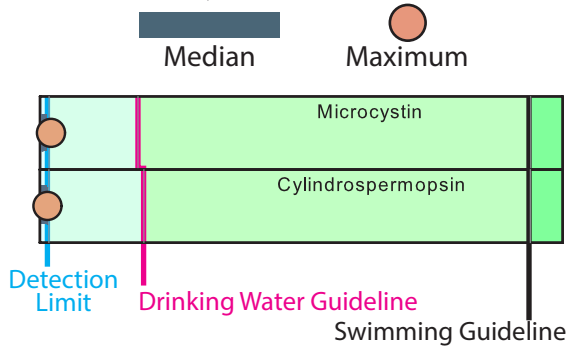


Table Rock Site 11

2021 Data Table	4/25	5/18	6/6	6/27	7/19	8/9	8/29	9/19	Mean*	
Temp (F)	61	68	75	84	85	86	87	82	78	
Secchi (feet)	5.9	4.6	2.3	3.6	3.0	3.3	3.3	3.6	3.6	
Phosphorus (µg/L)	22	60	116	79	52	37	64	34	52	
Nitrogen (µg/L)	1615	1525	1475	950	720	570	785	375	896	
Ammonium (µg/L)	<10	<10	12	44	<10	<10	<10	<10	<10	
Nitrate (µg/L)	1482	1044	557	530	302	126	151	<5	230	
Chlorophyll (µg/L)	13.5	35.9	43.7	17.9	32.7	24.8	37.3	27.8	27.4	
Sediment (mg/L)										
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

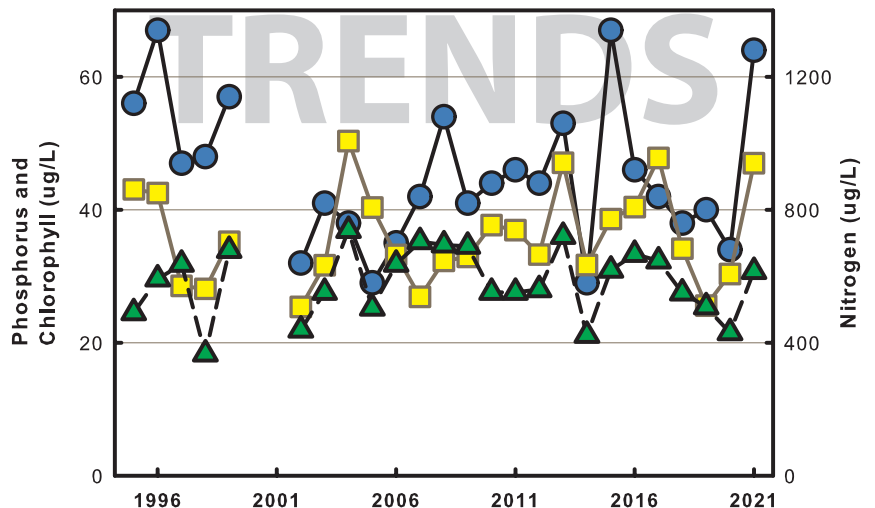
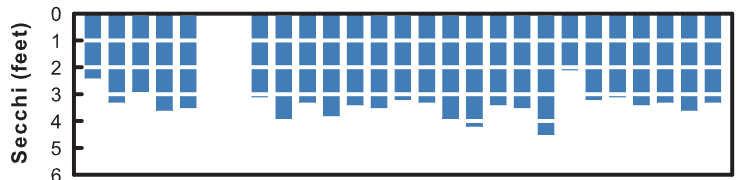
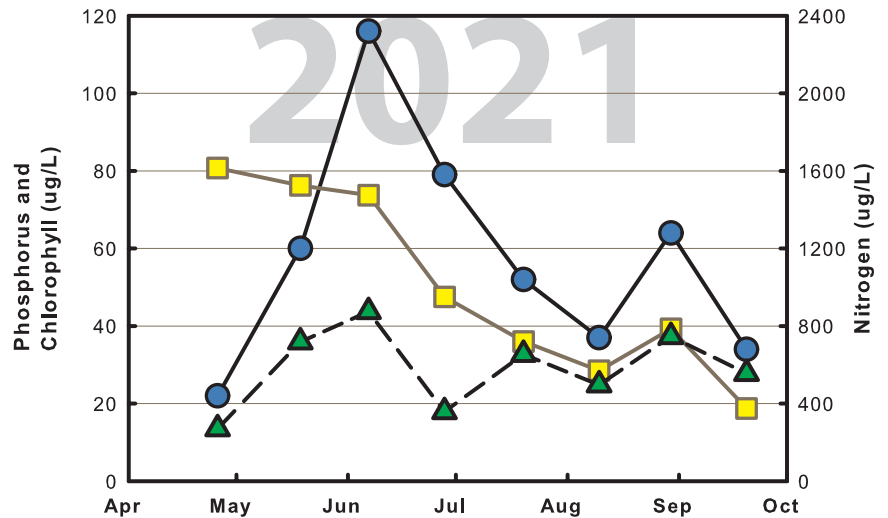
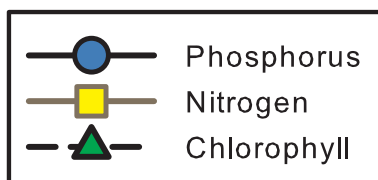


Table Rock Site 11

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.

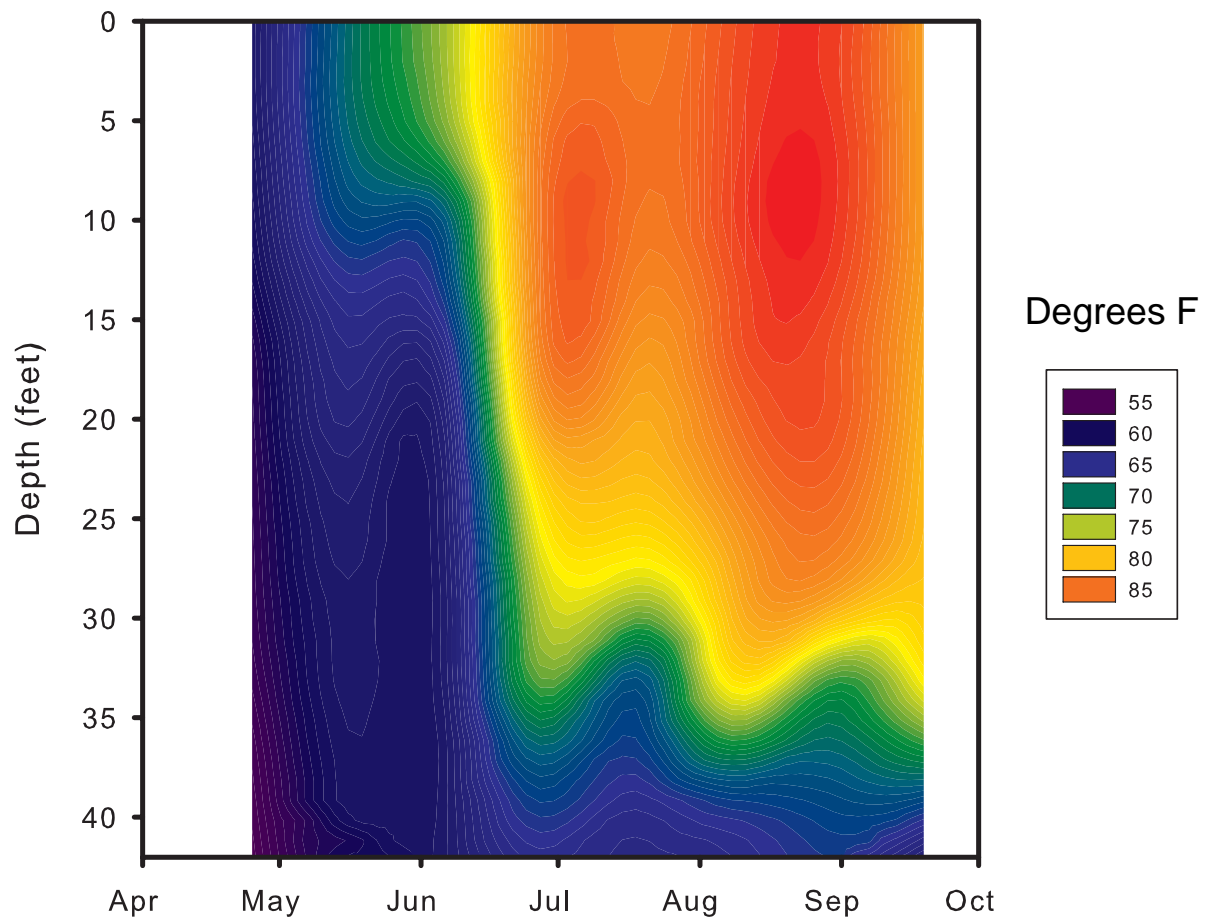
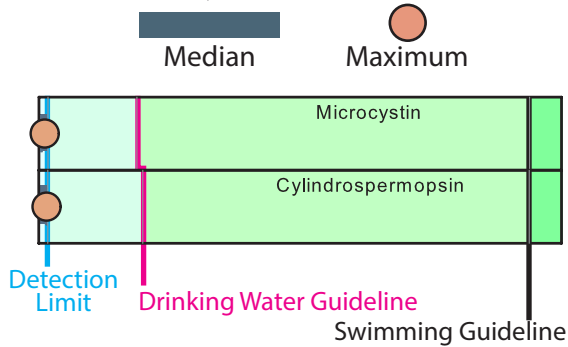


Table Rock Site 12

2021 Data Table	4/25	5/18	6/6	6/27	7/19	8/9	8/29	9/19	Mean*
Temp (F)	60	68	70	85	86	88	88	82	78
Secchi (feet)	3.0	3.0	4.9	3.6	2.3	2.6	2.3	2.3	2.9
Phosphorus (µg/L)	39	54	32	38	67	50	63	52	48
Nitrogen (µg/L)	1595	1475	1770	1125	1045	783	840	730	1113
Ammonium (µg/L)	47	16	17	15	<10	<10	<10	<10	10
Nitrate (µg/L)	1592	1236	1721	751	312	247	153	130	500
Chlorophyll (µg/L)	4.0	9.0	4.2	17.8	37.2	24.7	35.6	34.0	15.3
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

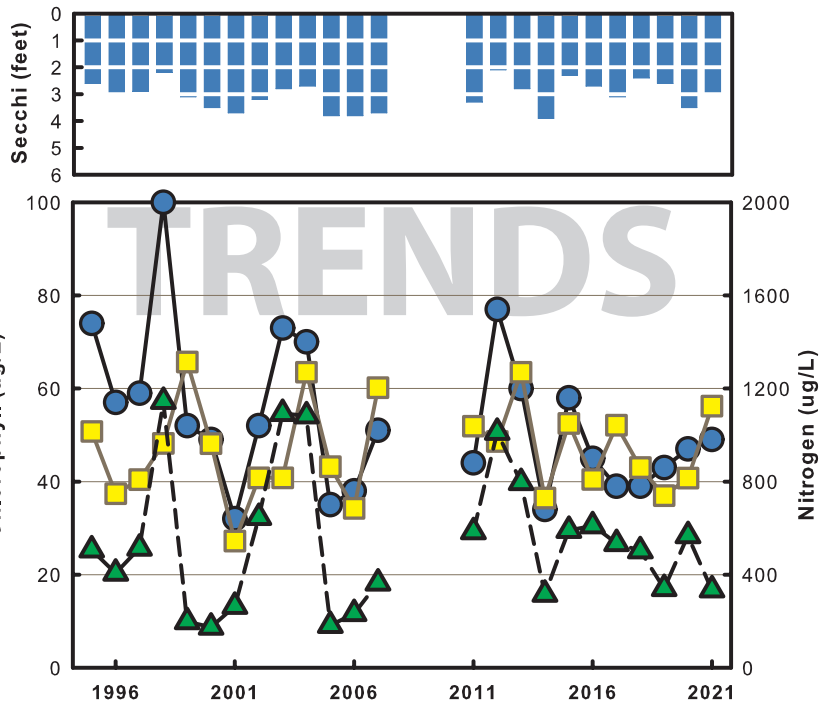
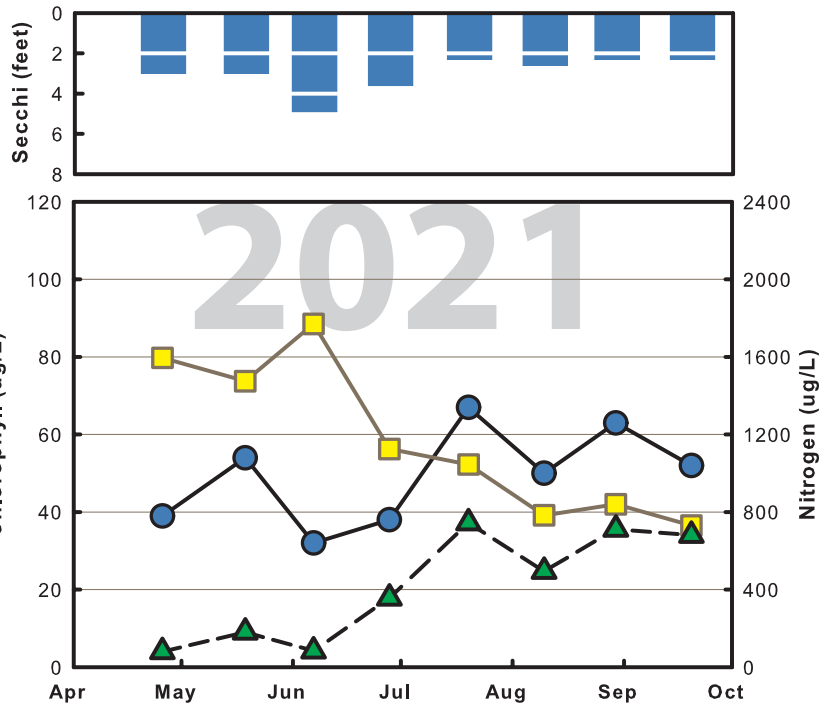
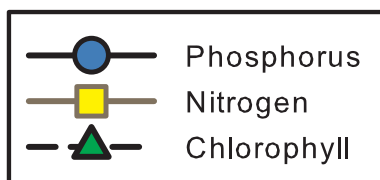


Table Rock Site 12

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.

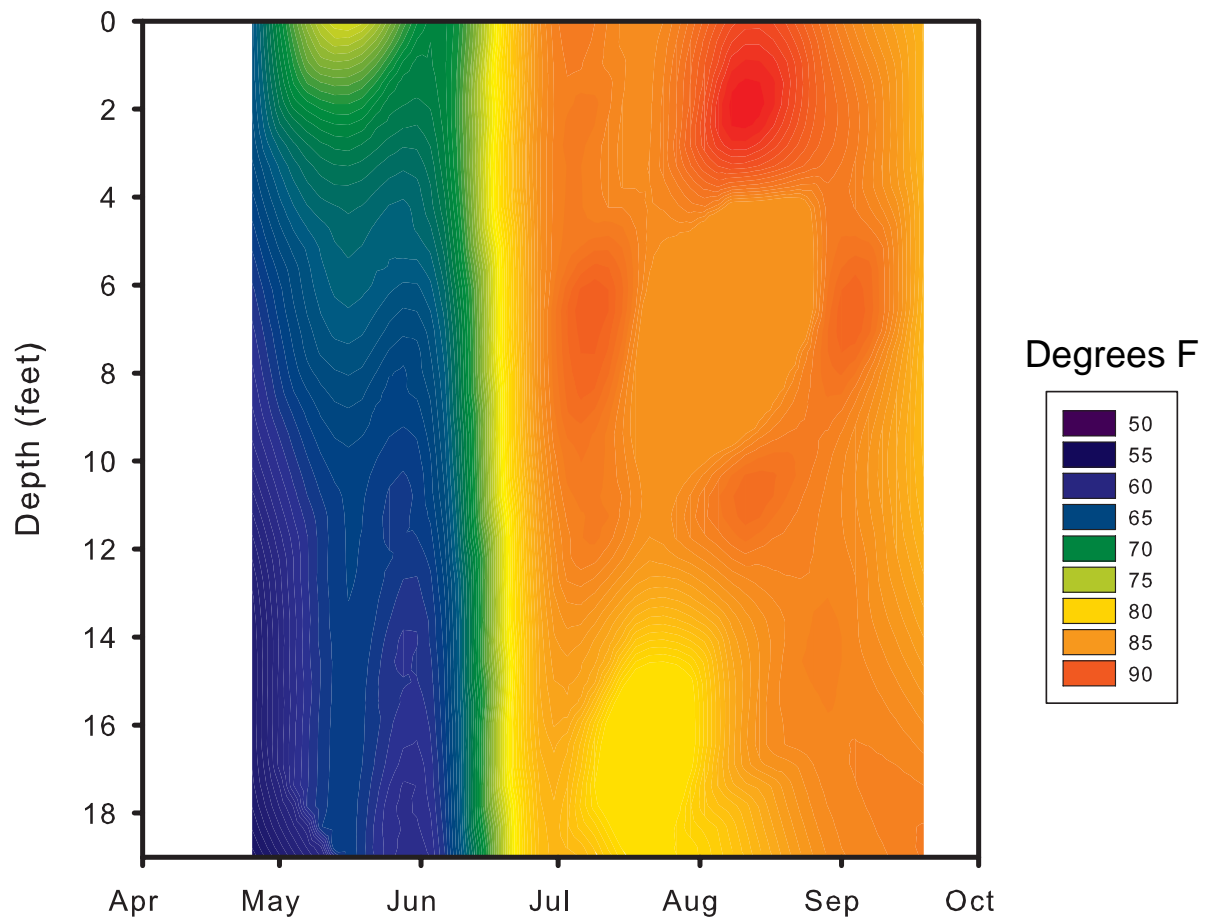
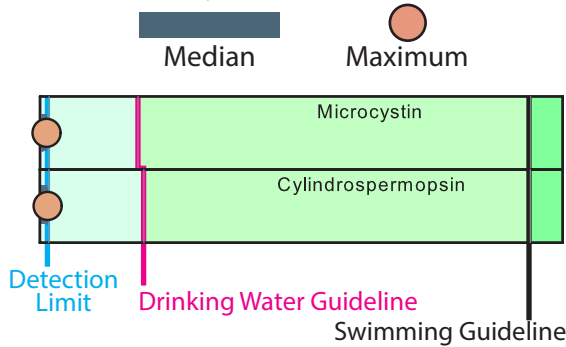


Table Rock Site 13

2021 Data Table	4/25	5/18	6/6	6/27	7/19	8/9	8/29	9/19	Mean*
Temp (F)	61	67	70	84	85	86	88	82	77
Secchi (feet)	2.6	3.0	4.3	3.3	2.3	2.6	2.3	2.6	2.8
Phosphorus (µg/L)	27	32	45	51	76	61	34	53	45
Nitrogen (µg/L)	1703	1820	1600	1190	970	965	493	710	1086
Ammonium (µg/L)	59	<10	14	54	<10	<10	<10	<10	10
Nitrate (µg/L)	1586	1634	1587	742	294	324	<5	110	315
Chlorophyll (µg/L)	4.8	22.3	6.8	26.1	39.0	35.0	29.4	37.0	20.2
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

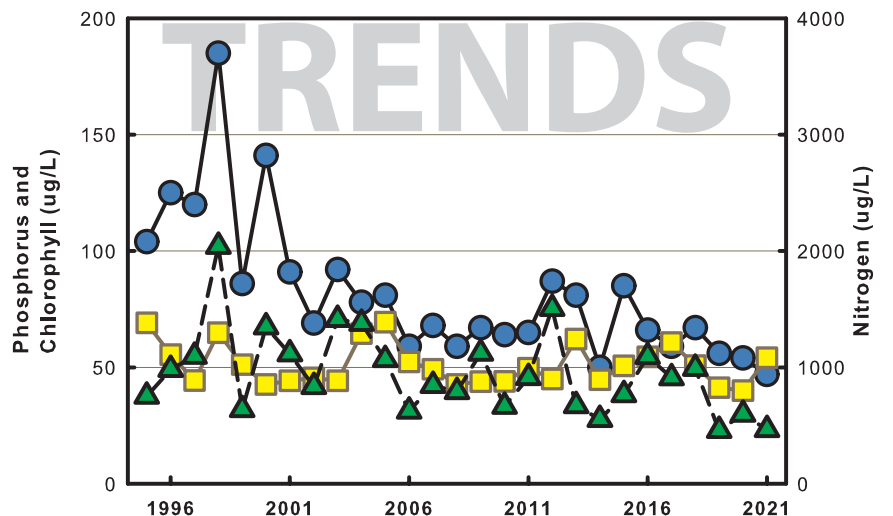
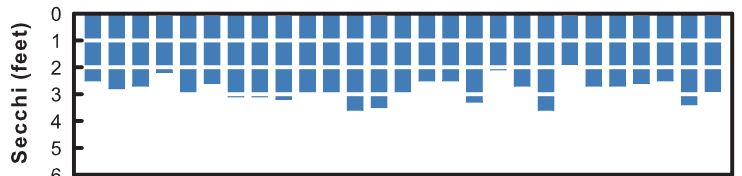
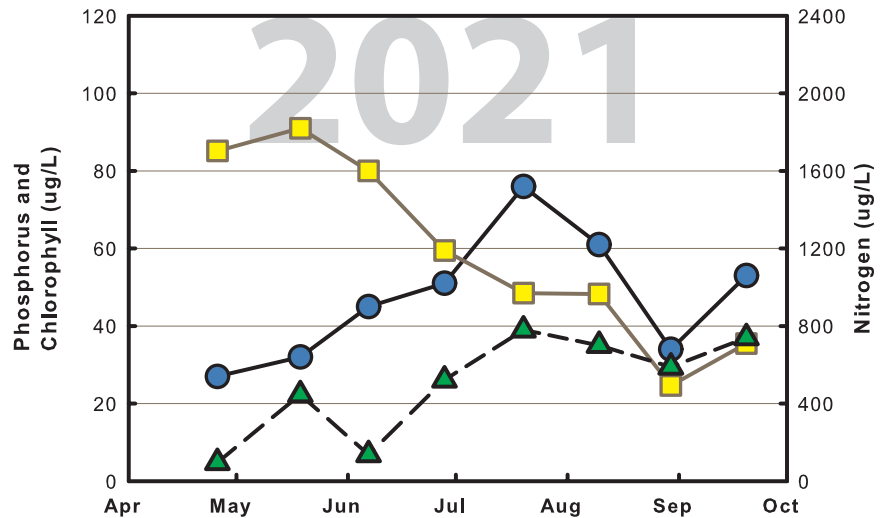
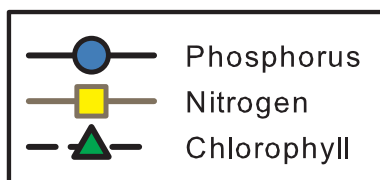


Table Rock Site 13

2021 Temperature/Depth Profile

To see the surface temperature through the 2021 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

Another way to view the graph is pick a date on the bottom axis and look vertically to see where the temperature changes occur.

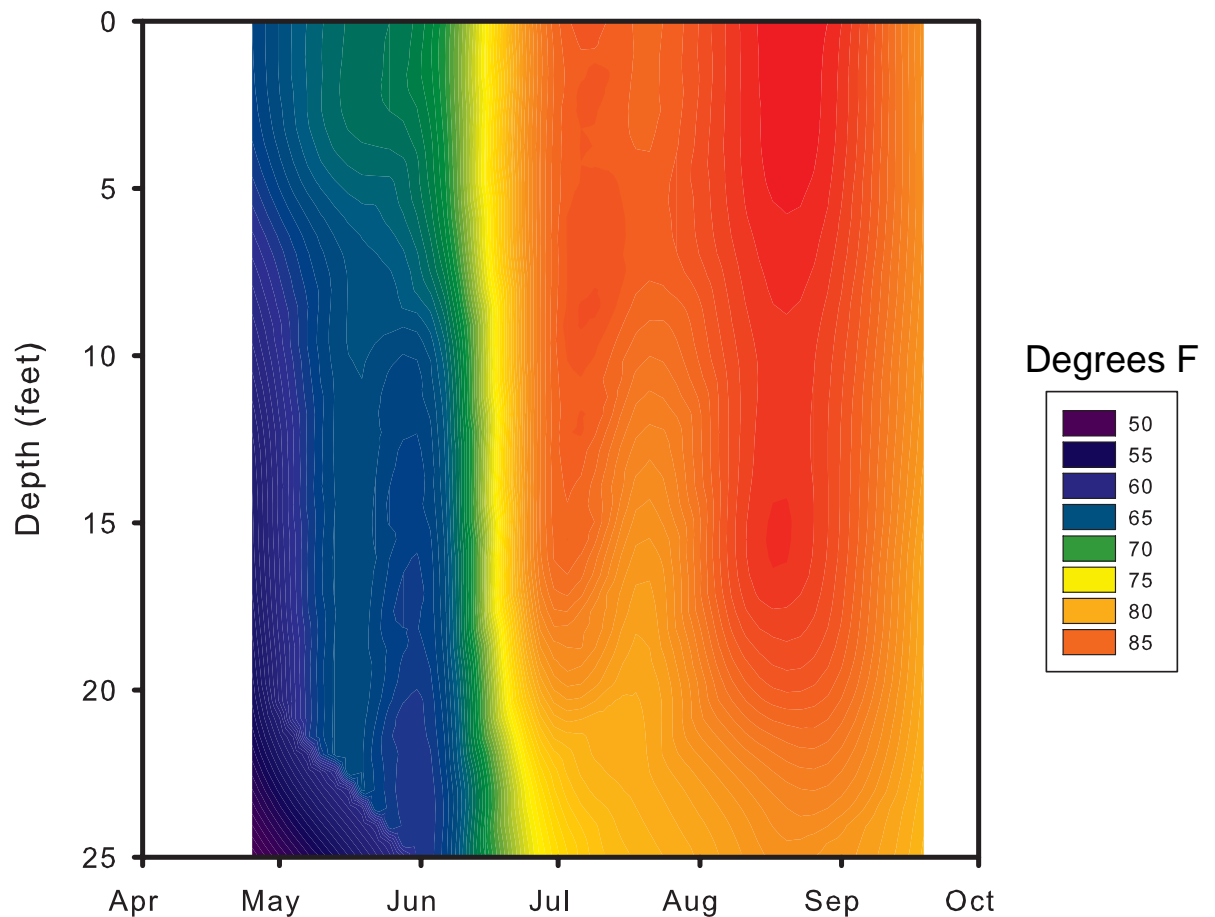
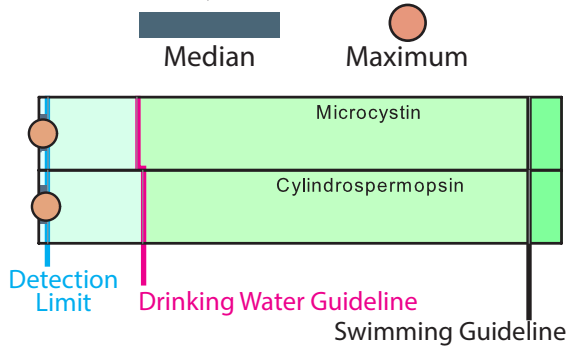


Table Rock Site 15

2021 Data Table	4/25	6/15	Mean*
Temp (F)			
Secchi (feet)	14.8	3.9	7.6
Phosphorus (µg/L)	10	8	9
Nitrogen (µg/L)	740	495	605
Ammonium (µg/L)	<10	148	27
Nitrate (µg/L)	543	94	226
Chlorophyll (µg/L)	2.8	1.1	1.8
Sediment (mg/L)			
Microcystin (µg/L)	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs

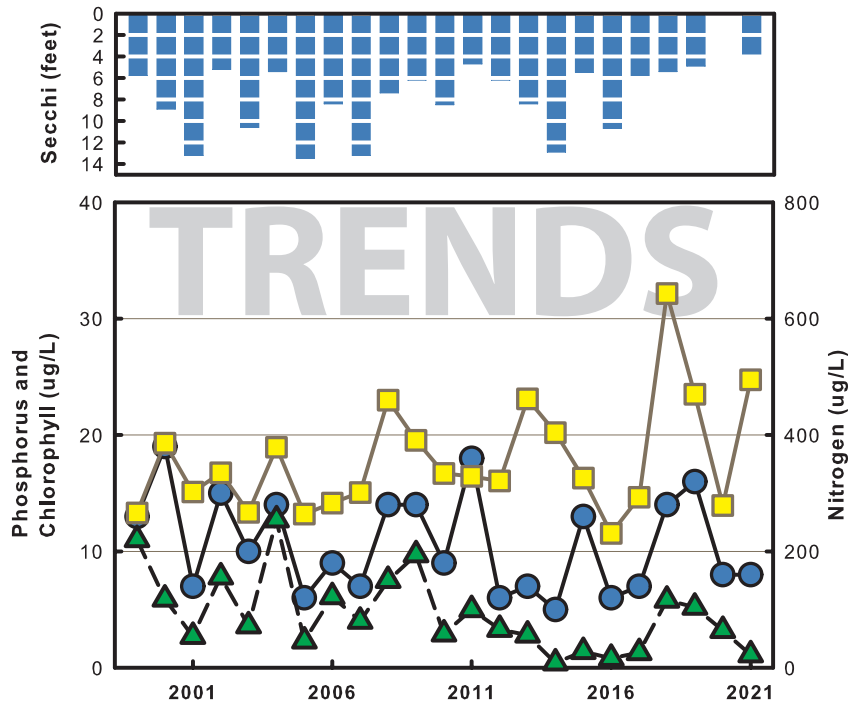
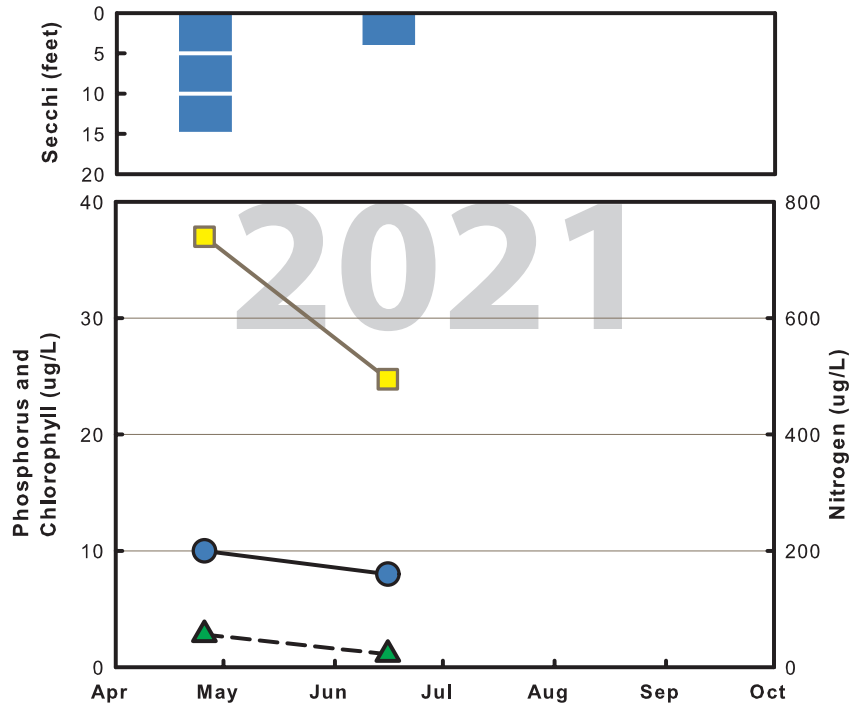
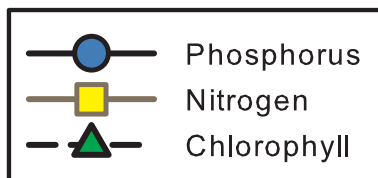
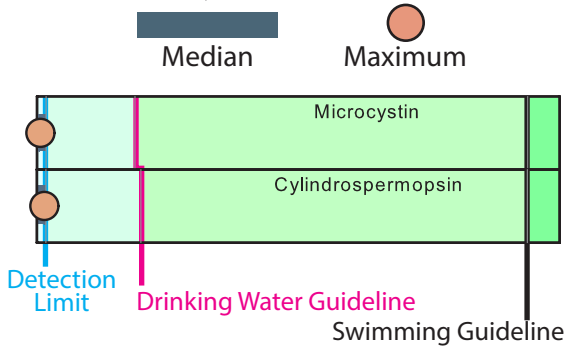


Table Rock Site 17

2021 Data Table	4/25	6/20	Mean*
Temp (F)			
Secchi (feet)	16.4	4.3	8.4
Phosphorus (µg/L)	8	5	6
Nitrogen (µg/L)	755	490	608
Ammonium (µg/L)	31	89	53
Nitrate (µg/L)	516	148	276
Chlorophyll (µg/L)	2.8	1.4	2.0
Sediment (mg/L)			
Microcystin (µg/L)	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs

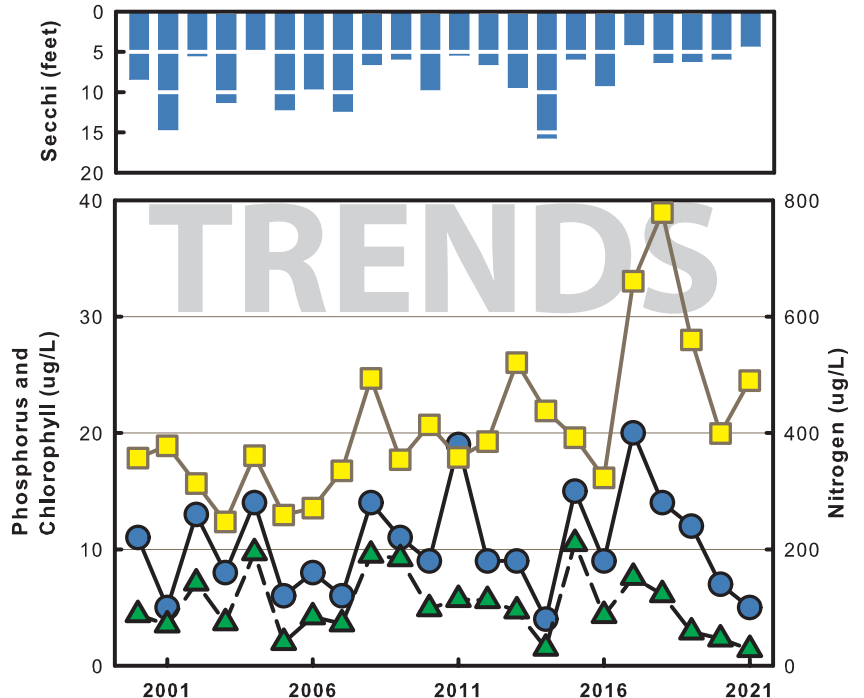
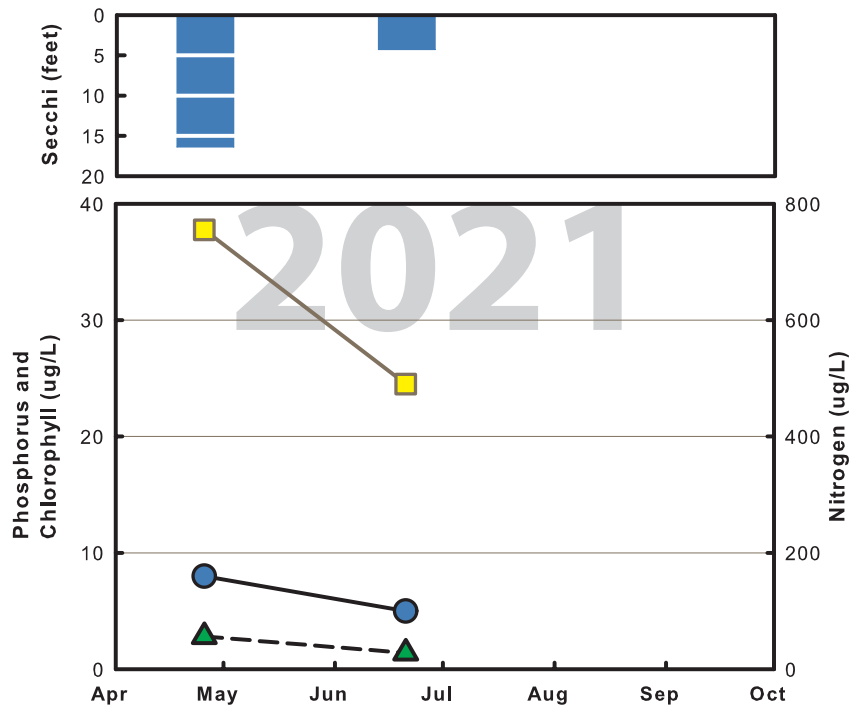
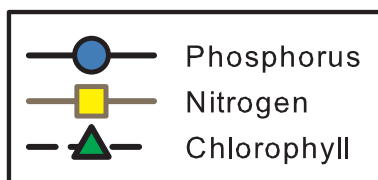
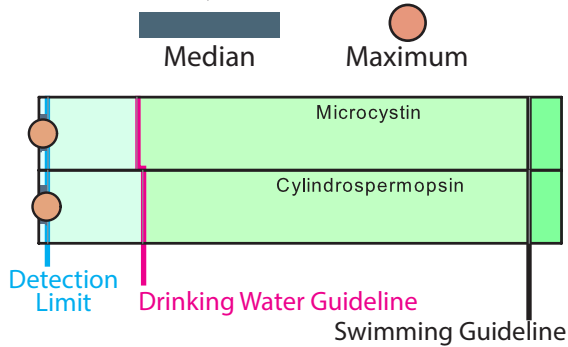


Table Rock Site 18

2021 Data Table	4/25	6/15	Mean*
Temp (F)			
Secchi (feet)	13.1	4.6	7.8
Phosphorus (µg/L)	7	9	8
Nitrogen (µg/L)	690	340	484
Ammonium (µg/L)	<10	88	21
Nitrate (µg/L)	497	<5	39
Chlorophyll (µg/L)	2.9	2.1	2.5
Sediment (mg/L)			
Microcystin (µg/L)	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs

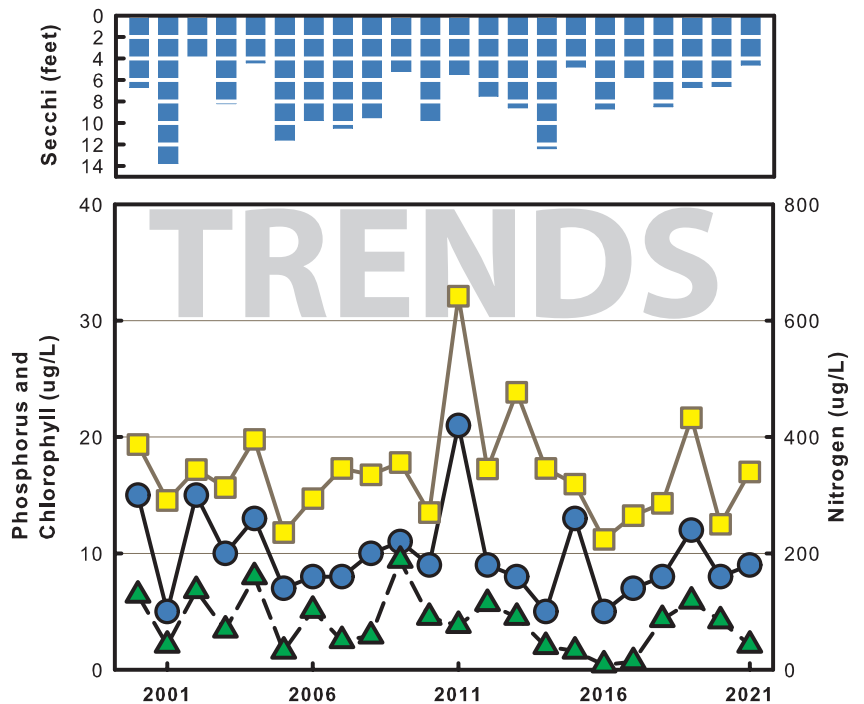
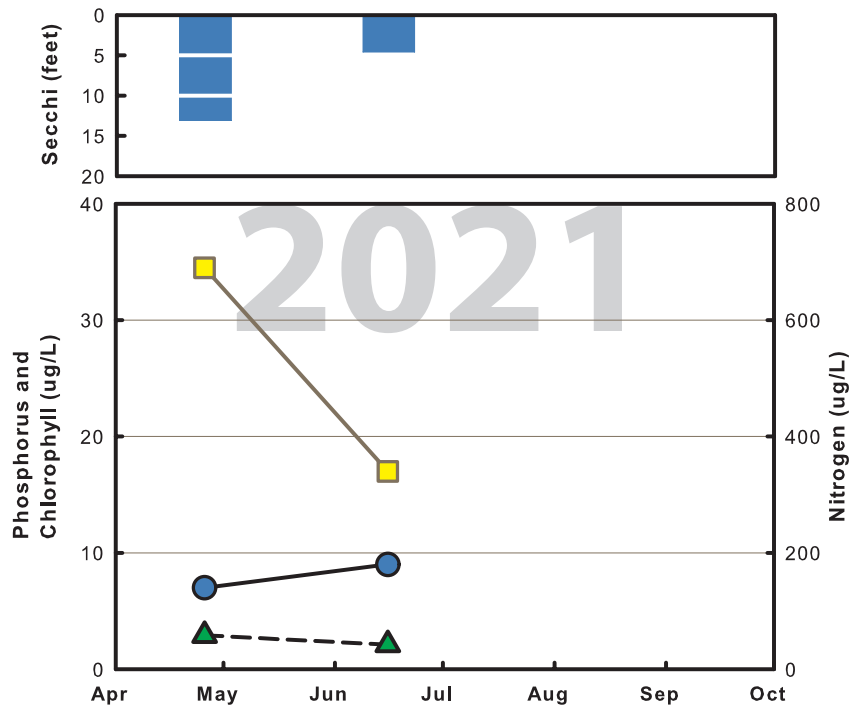
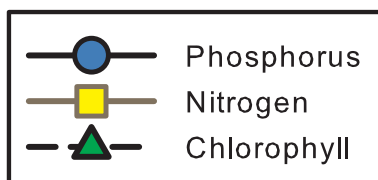
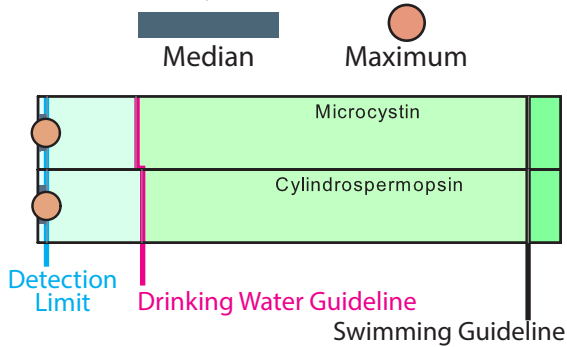


Table Rock Site 4

2021 Data Table	4/26	5/16	6/6	6/28	7/23	8/12	9/3	9/20	Mean*
Temp (F)	62	68	75	85	85	86	85	82	78
Secchi (feet)	5.9	4.3	4.3	6.6	3.0	3.3	4.3	3.9	4.3
Phosphorus (µg/L)	8	6	10	11	14	15	14	12	11
Nitrogen (µg/L)	1310	1120	790	365	345	355	310	290	511
Ammonium (µg/L)	<10	<10	24	70	<10	<10	<10	<10	<10
Nitrate (µg/L)		948	578	91	6	<5	<5	7	29
Chlorophyll (µg/L)	9.0	10.3	12.6	6.5	16.5	17.7	13.6	13.1	11.9
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	0.10	<0.10	0.12	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

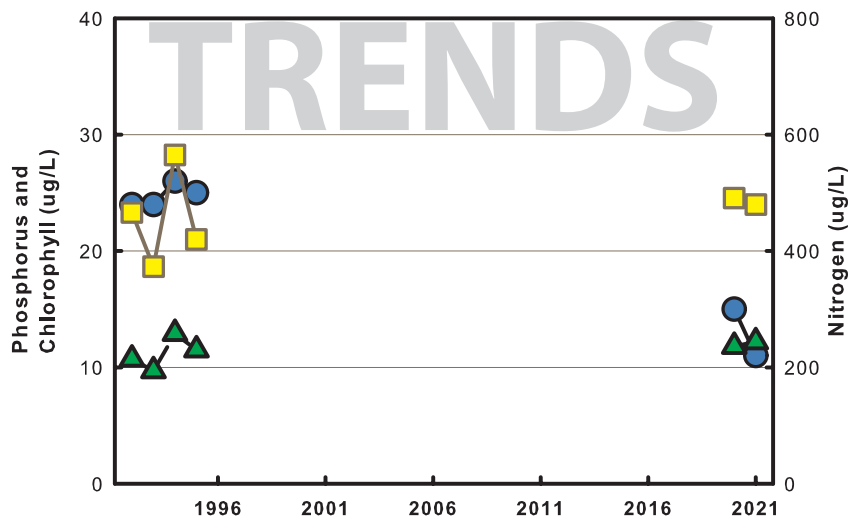
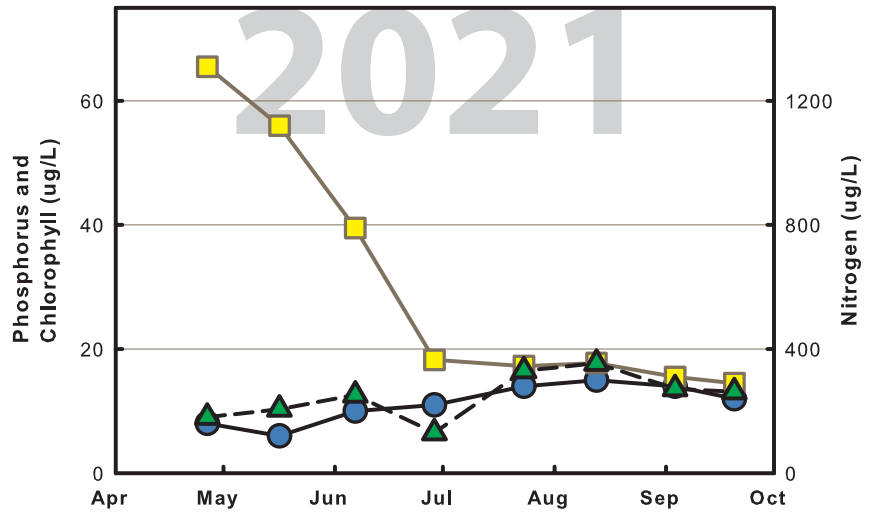
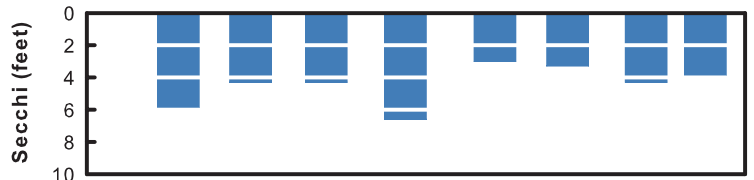
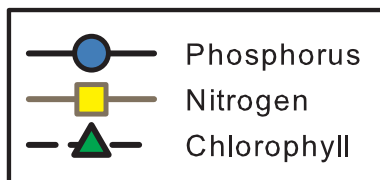


Table Rock Site 4.5

2021 Data Table	4/25	6/8	6/28	7/19	8/30	Mean*
Temp (F)	60	82	84	84	87	79
Secchi (feet)	10.2	4.6	6.9	3.9	5.2	5.8
Phosphorus (µg/L)	10	20	15	17	11	14
Nitrogen (µg/L)	1435	635	420	370	360	551
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	6.7	16.5	15.1	18.5	9.1	12.3
Sediment (mg/L)						
Microcystin (µg/L)						
Cylindro (µg/L)						

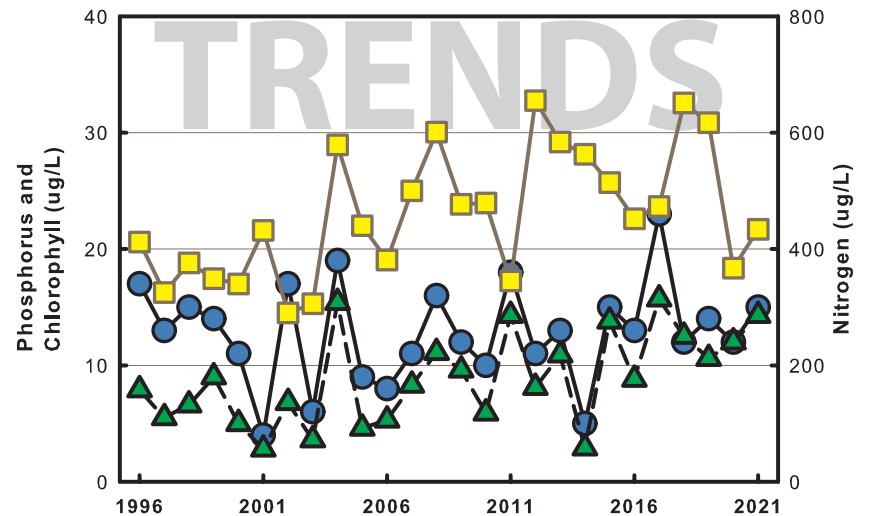
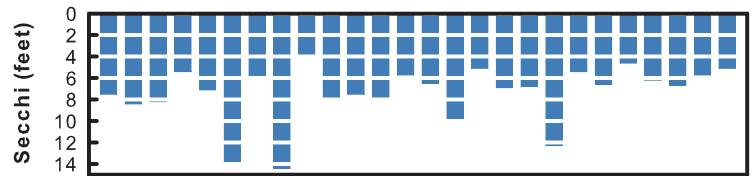
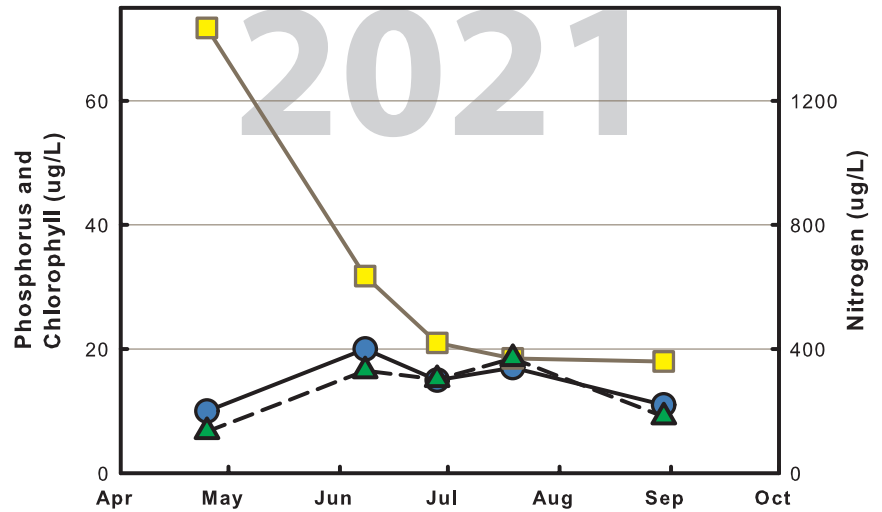
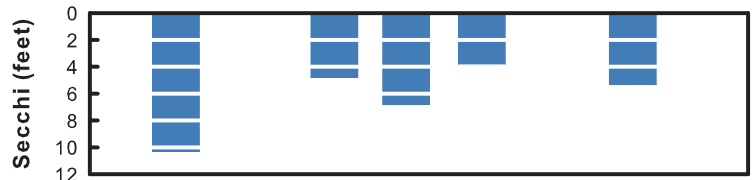
No 2021 Toxin Data

(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)



Legend for 2021 and Trend graphs

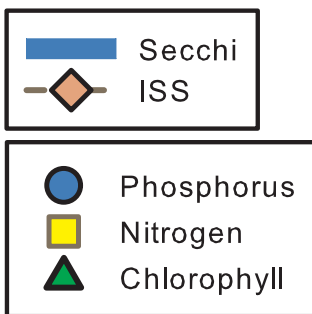
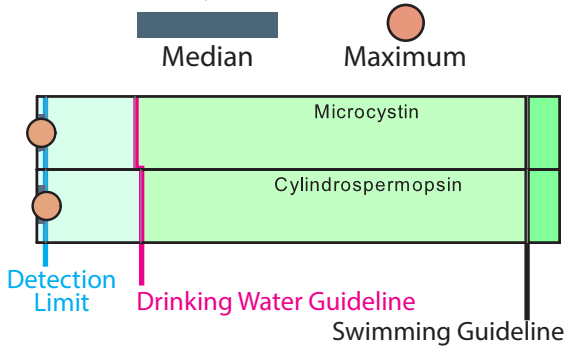


Table Rock Site 5

2021 Data Table	7/8	7/20	8/10	9/21	Mean*
Temp (F)	88		84	80	84
Secchi (feet)	4.6	4.3	3.0	4.6	4.1
Phosphorus (µg/L)	19	20	19	20	19
Nitrogen (µg/L)	540	715	470	310	487
Ammonium (µg/L)	<10	<10	<10	<10	<10
Nitrate (µg/L)	158	297	38	<5	48
Chlorophyll (µg/L)	10.1	22.6	34.0	18.2	19.4
Sediment (mg/L)					
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	0.06	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

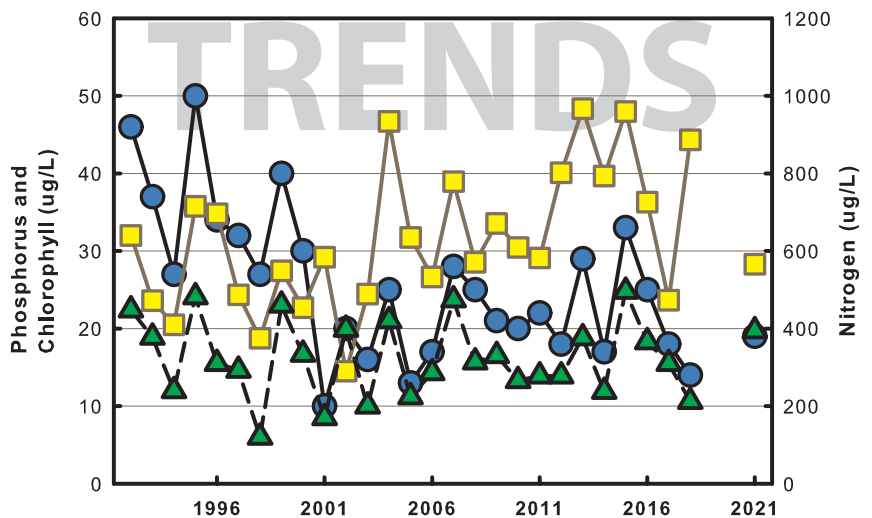
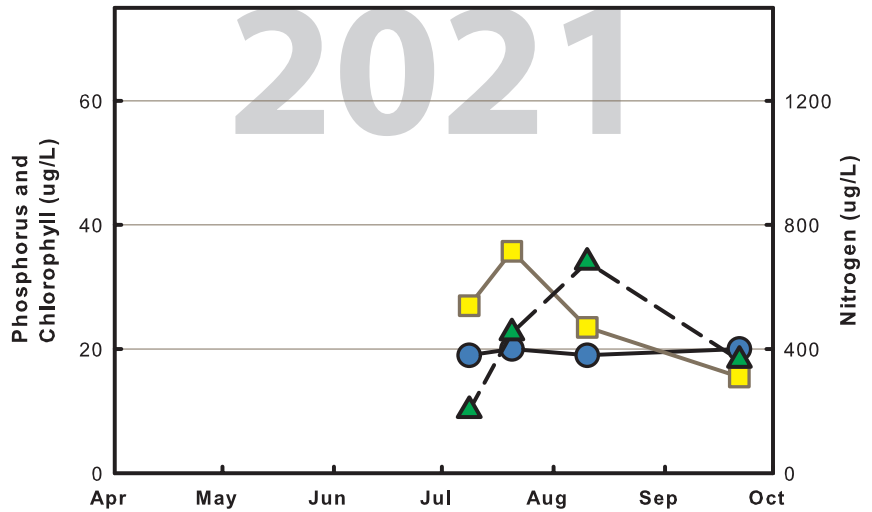
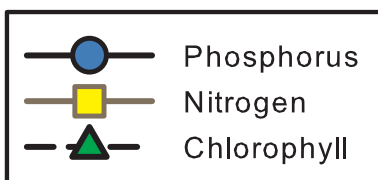
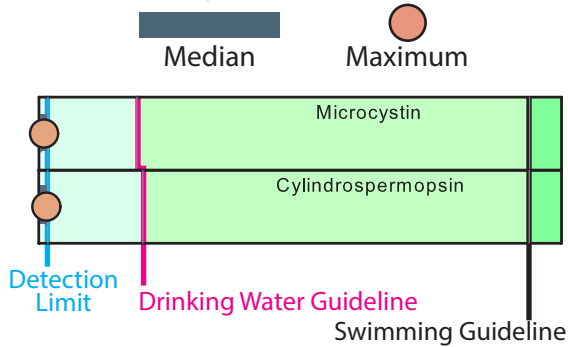


Table Rock Site 6.5

2021 Data Table	4/25	5/23	6/13	7/25	8/15	9/2	Mean*
Temp (F)	61	77	83	87	85	83	79
Secchi (feet)	5.6	5.9	5.9	5.6	5.6	6.2	5.8
Phosphorus (µg/L)	9	6	15	25	21	21	14
Nitrogen (µg/L)	525	450	245	360	250	265	334
Ammonium (µg/L)	16	<10	61	<10	<10	<10	<10
Nitrate (µg/L)	391	349	12	<5	<5	<5	19
Chlorophyll (µg/L)	6.5	5.1	8.5	14.3	11.5	12.3	9.1
Sediment (mg/L)							
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs

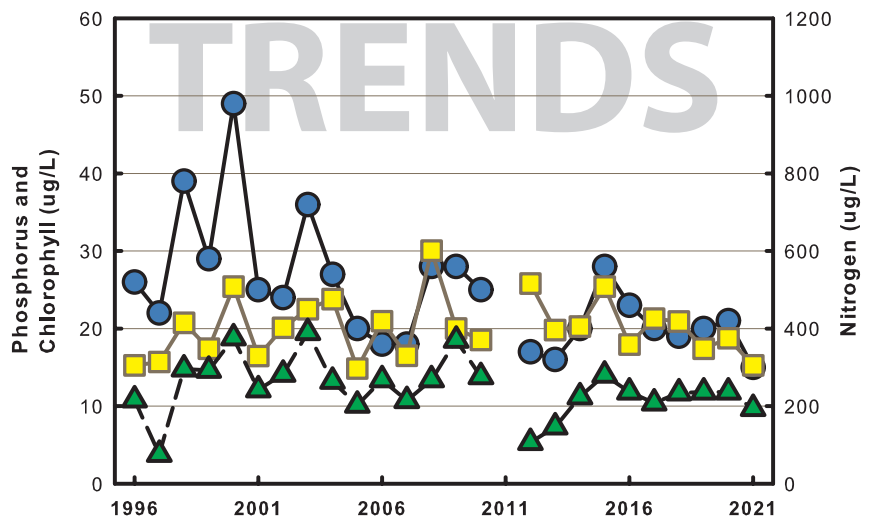
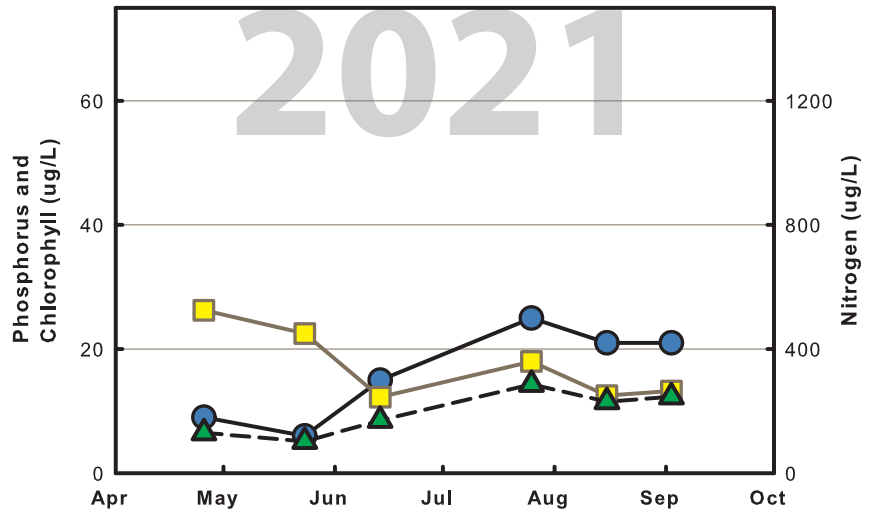
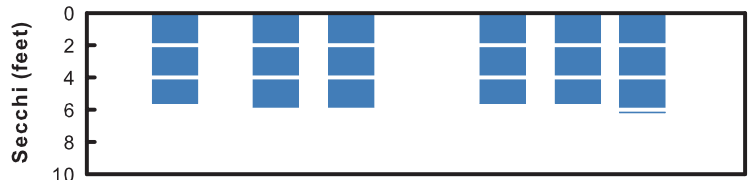
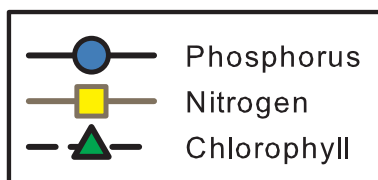
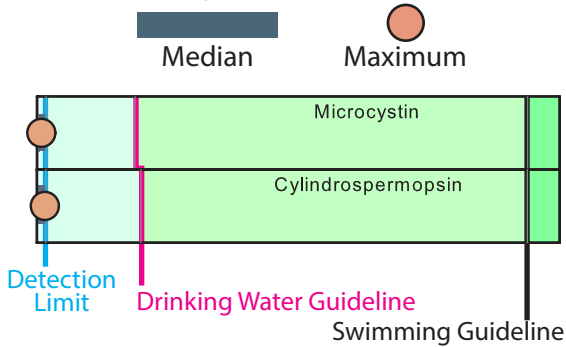


Table Rock Site 7

2021 Data Table	4/25	5/23	6/13	7/25	8/15	9/2	Mean*
Temp (F)	58	76	85	88	85	86	79
Secchi (feet)	3.0	2.6	7.2	3.3	2.6	3.6	3.5
Phosphorus (µg/L)	19	28	22	36	53	46	32
Nitrogen (µg/L)	440	575	560	360	455	430	464
Ammonium (µg/L)	31	15	43	<10	<10	<10	12
Nitrate (µg/L)	301	429	357	<5	<5	<5	33
Chlorophyll (µg/L)	3.8	8.9	9.3	17.6	32.1	26.9	13.0
Sediment (mg/L)							
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

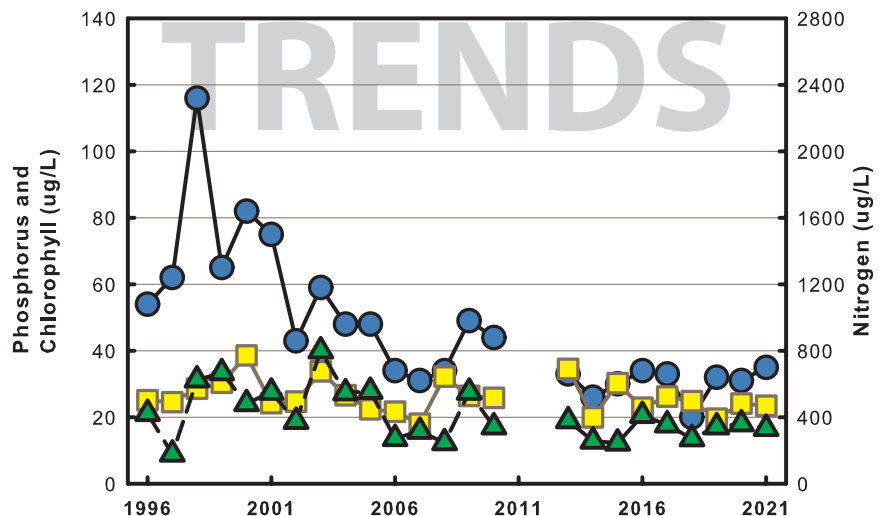
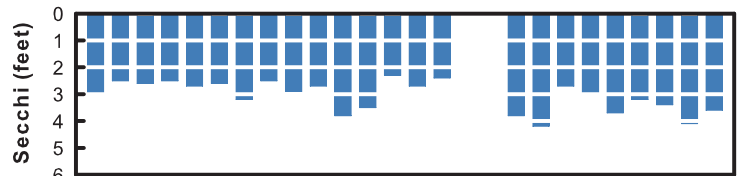
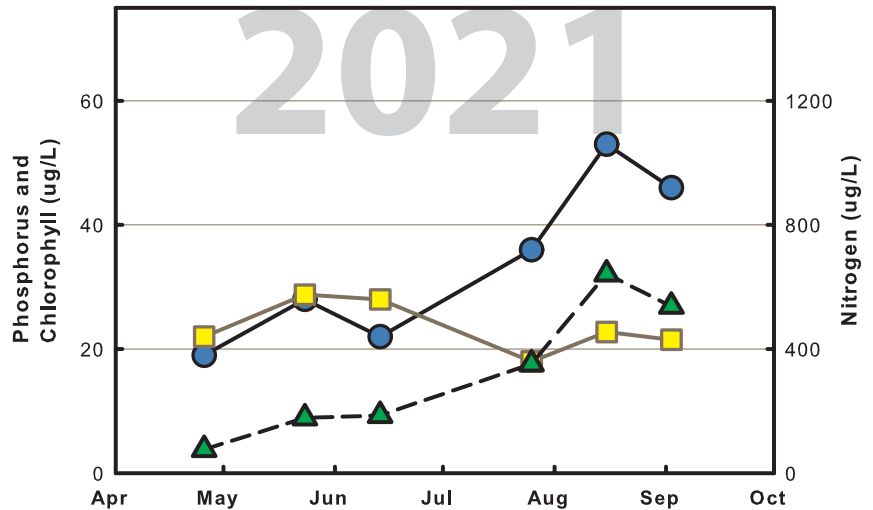
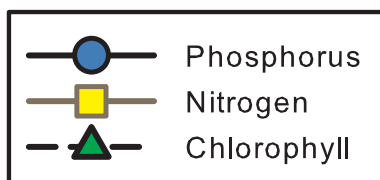
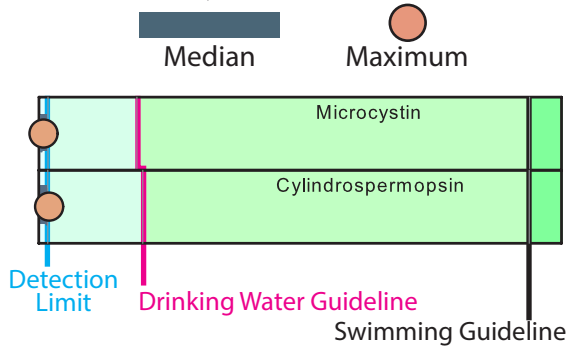


Table Rock Site 7.1

2021 Data Table	4/26	5/17	6/8	6/30	7/20	8/6	8/30	9/21	Mean*
Temp (F)	61	66	72	83	82	84	85	77	76
Secchi (feet)	3.3	3.0	5.2	3.9	2.6	2.6	2.3	1.6	2.9
Phosphorus (µg/L)	17	26	36	56	88	69	91	65	49
Nitrogen (µg/L)	390	760	620	660	700	630	840	755	655
Ammonium (µg/L)	16	22	57	71		78	42	<10	30
Nitrate (µg/L)	217	563	276	207		16	11	<5	62
Chlorophyll (µg/L)	5.4	8.2	8.9	27.9	37.6	39.6	43.6	43.6	20.5
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	0.06	0.09	0.05	0.07	0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

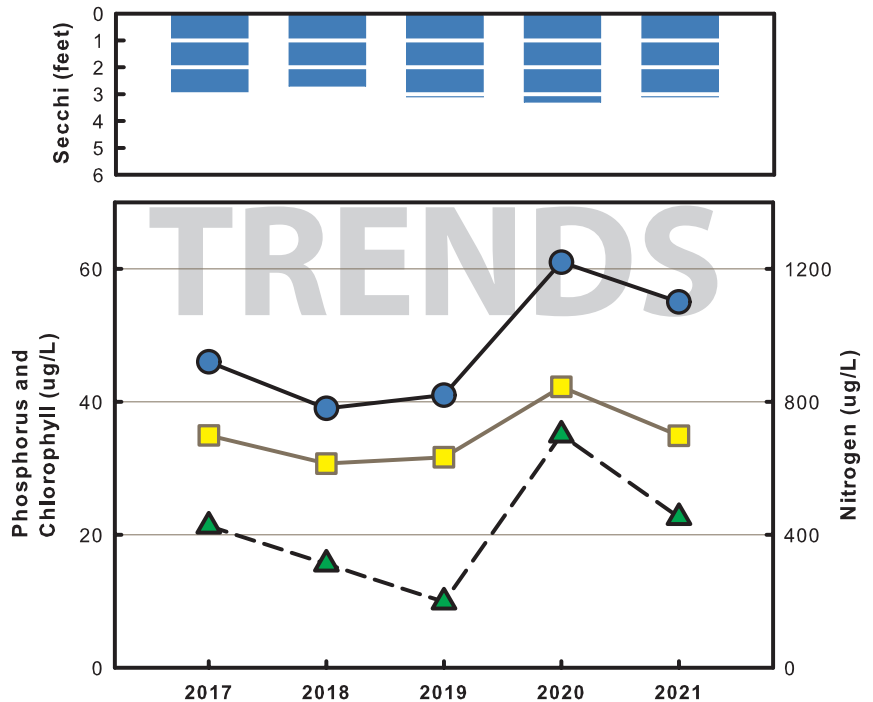
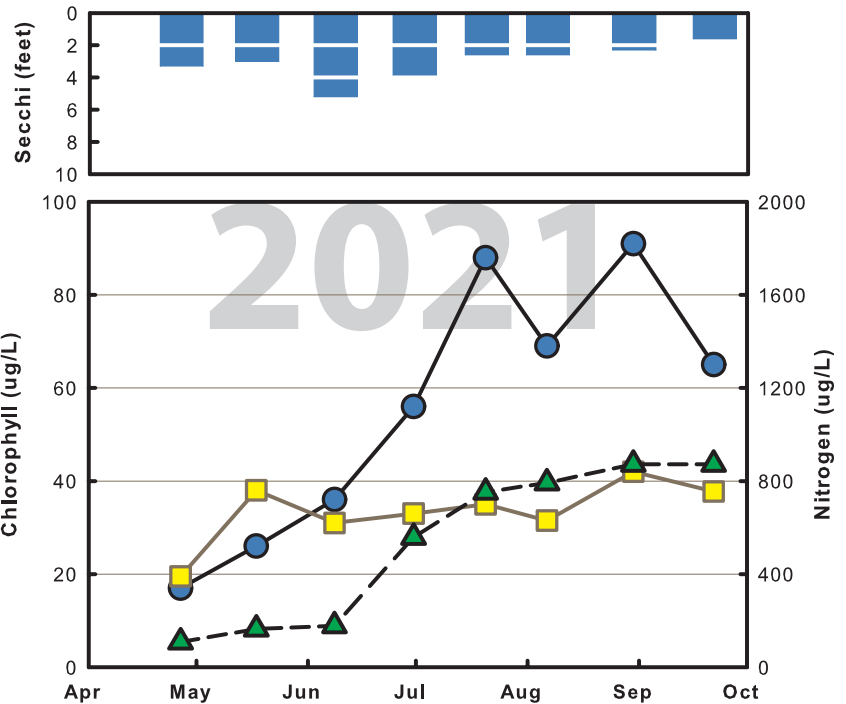
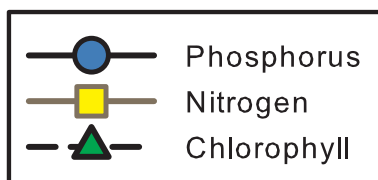
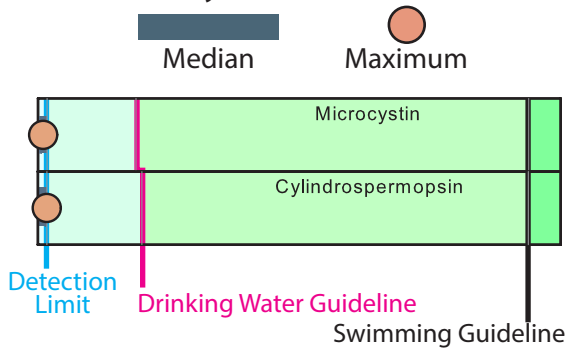


Table Rock Site 7.5

2021 Data Table	4/26	5/18	6/8	7/2	7/17	8/15	9/1	9/19	Mean*
Temp (F)	58	67	75	80	81	83	82	81	75
Secchi (feet)	2.6	6.2	3.3	3.9	3.3	3.6	3.6	2.6	3.5
Phosphorus (µg/L)	20	10	47	35	31	31	31	48	29
Nitrogen (µg/L)	545	455	785	665	335	305	265	465	448
Ammonium (µg/L)	12	<10	24	35	24	44	<10	<10	14
Nitrate (µg/L)	393	381	705	431	86	7	<5	<5	63
Chlorophyll (µg/L)	3.8	2.1	1.5	11.0	13.8	11.0	13.3	36.1	7.5
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

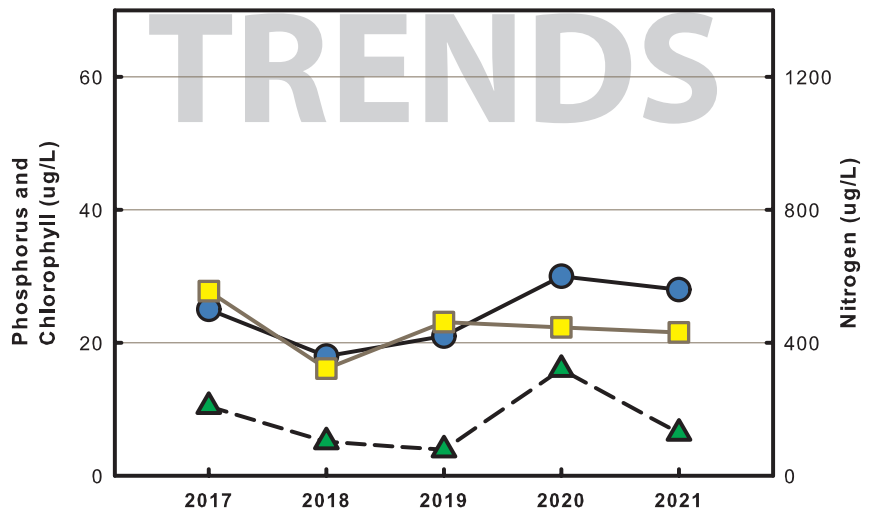
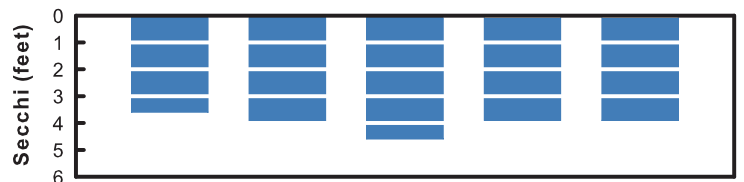
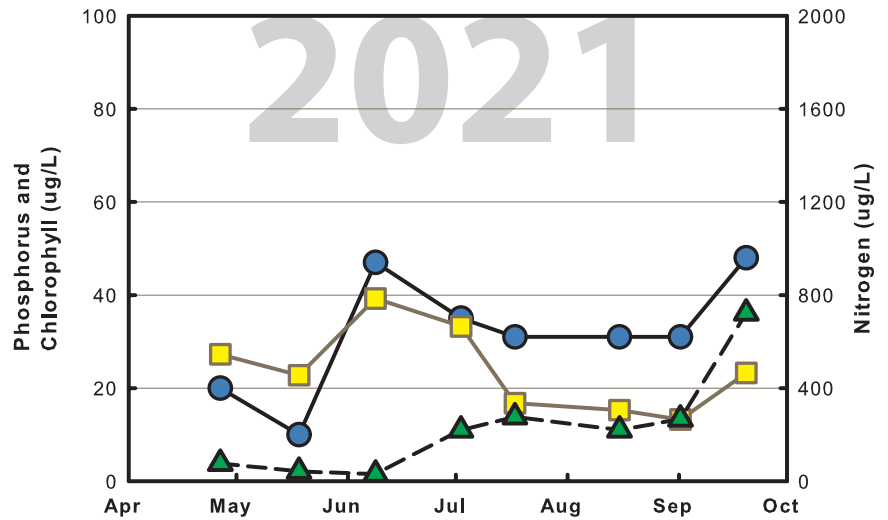
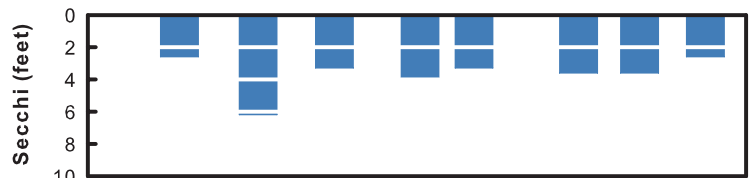
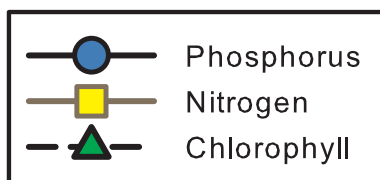
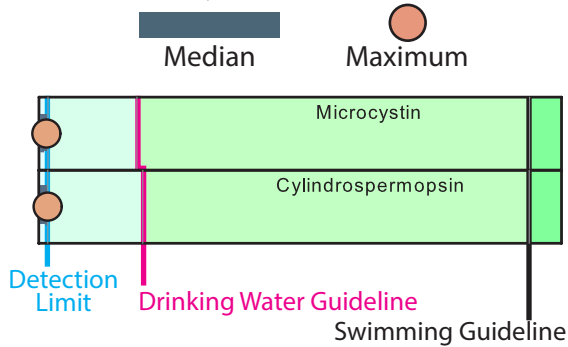


Table Rock Site 8.8

2021 Data Table	4/25	5/17	6/8	6/28	7/19	8/9	8/30	9/19	Mean*
Temp (F)	85	65	72	80	81	85	83	79	79
Secchi (feet)	3.9	2.6	3.9	3.3	3.6	3.6	4.6	3.9	3.6
Phosphorus (µg/L)		47	51	23	15	21	15	16	24
Nitrogen (µg/L)	1260	1350	960	740	410	505	350	360	649
Ammonium (µg/L)	16	<10	<10	20	<10	<10	<10	<10	<10
Nitrate (µg/L)	896	881	458	306	76	<5	<5	<5	62
Chlorophyll (µg/L)	11.9	33.6	27.8	15.0	18.3	14.1	11.7	14.5	17.1
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.04	<0.04	<0.04

2021 Cyanotoxin Results

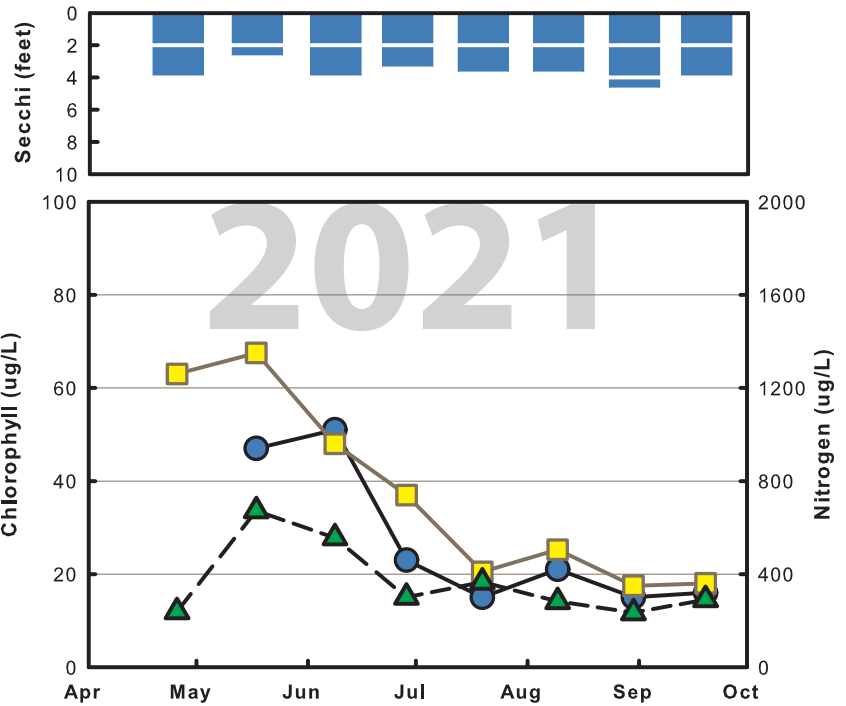


(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)



Legend for 2021 and Trend graphs

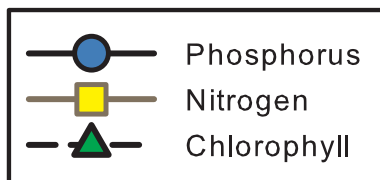
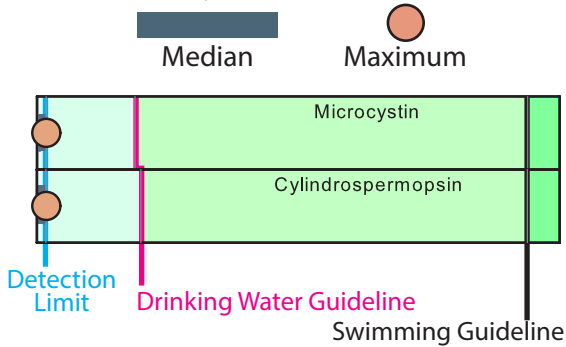


Table Rock Site 9

2021 Data Table	4/26	5/16	6/6	6/27	7/19	8/9	8/29	Mean*
Temp (F)	59	65	70	69	79	88	82	73
Secchi (feet)	3.9	4.9	5.2	4.9	4.9	4.9	3.9	4.6
Phosphorus (µg/L)			23	30	17	16	32	23
Nitrogen (µg/L)			430	460	365	315	405	392
Ammonium (µg/L)	17		29	28	<10	<10	<10	11
Nitrate (µg/L)	257	246	48	45	<5	<5	<5	23
Chlorophyll (µg/L)	15.9	14.9	16.7	13.0	9.0	9.3	10.2	12.4
Sediment (mg/L)								
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.14	<0.10	<0.10	0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	0.04	0.05	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

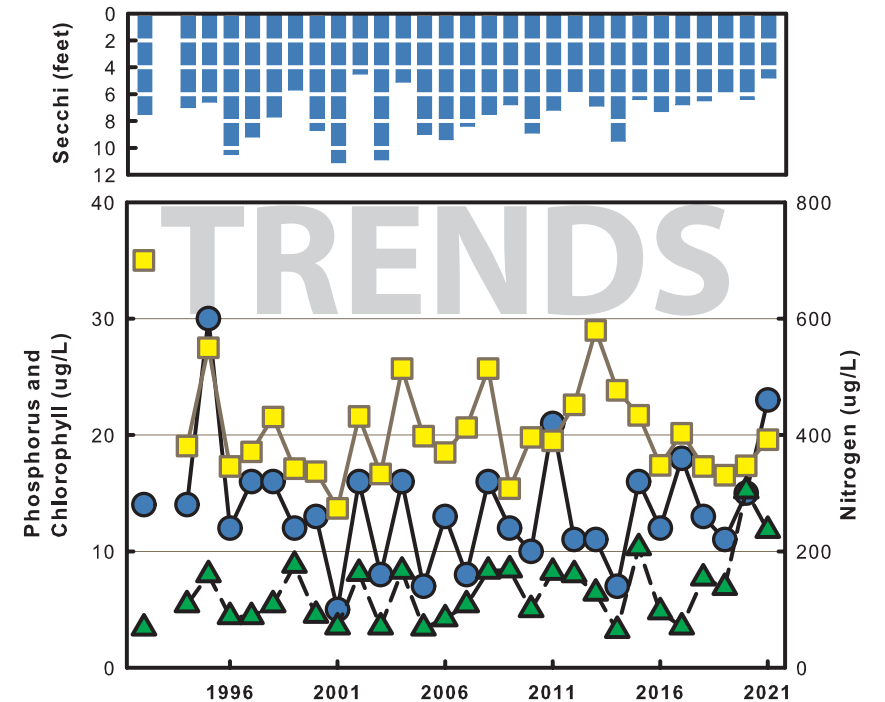
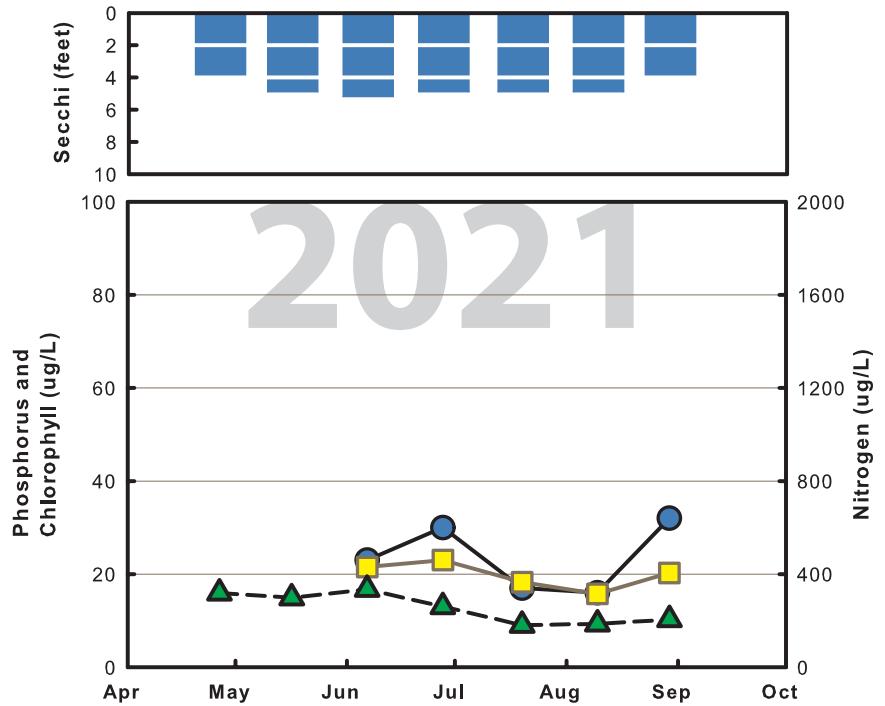
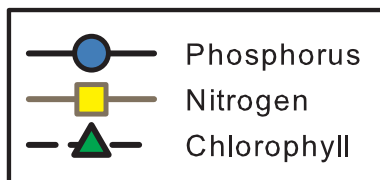
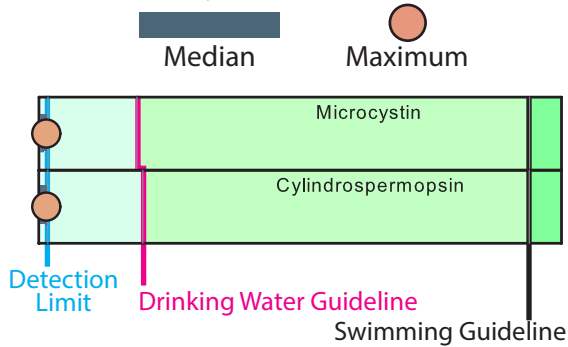


Table Rock Site BB

2021 Data Table	4/25	6/15	Mean*
Temp (F)			
Secchi (feet)	8.2	4.3	5.9
Phosphorus (µg/L)	9	7	8
Nitrogen (µg/L)	735	740	737
Ammonium (µg/L)	37	193	85
Nitrate (µg/L)	522	167	295
Chlorophyll (µg/L)	3.4		3.4
Sediment (mg/L)			
Microcystin (µg/L)	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs

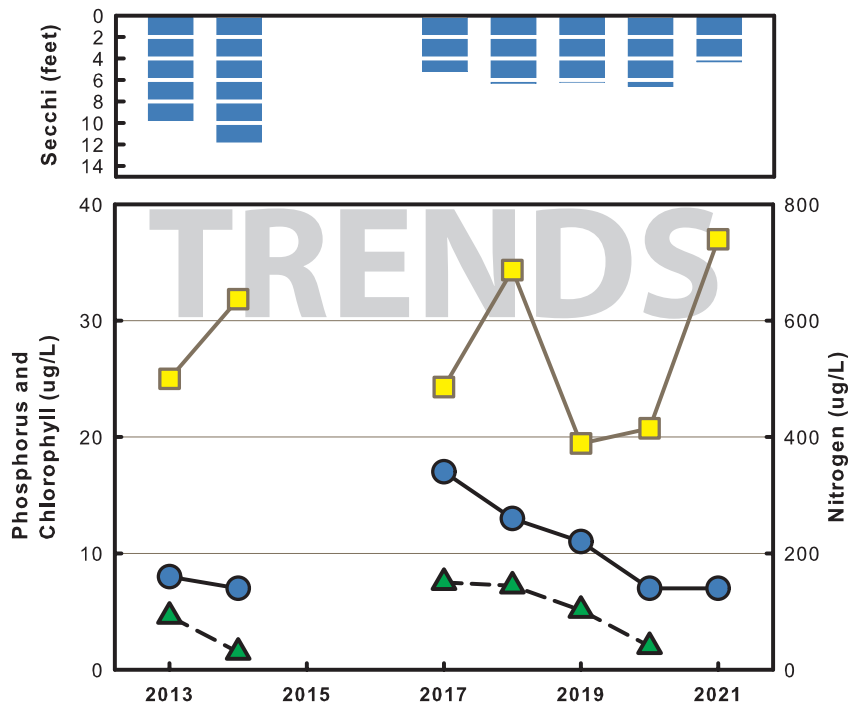
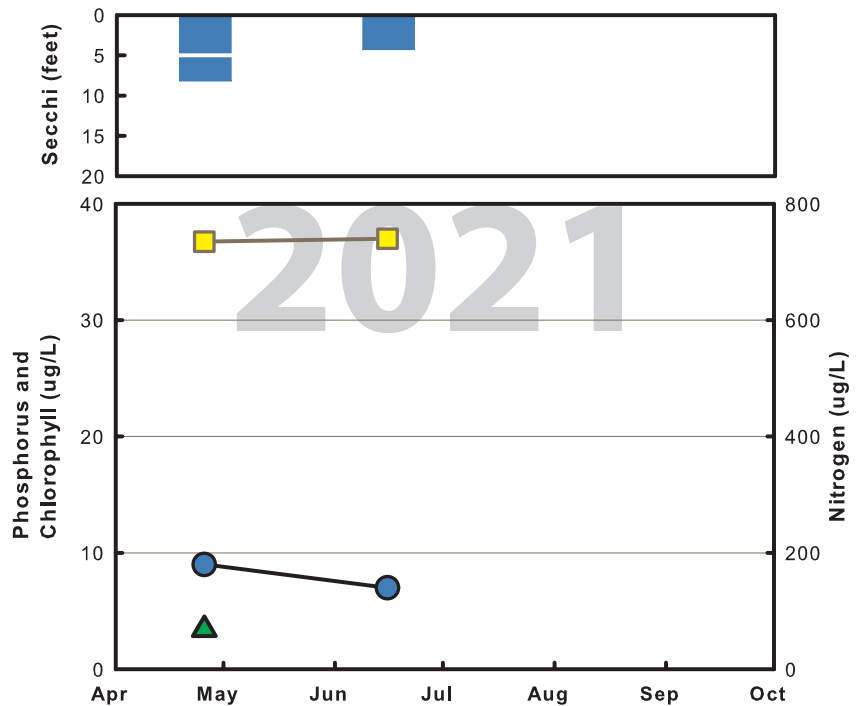
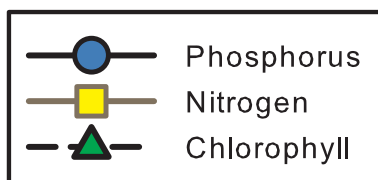
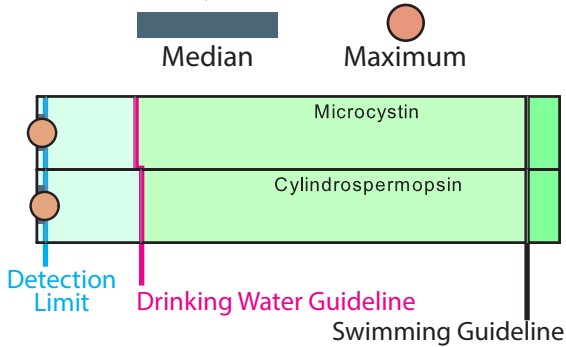


Table Rock Site Viola

2021 Data Table	4/25	5/23	6/13	7/25	8/15	9/2	Mean*
Temp (F)	61	77	85	86	85	84	79
Secchi (feet)	8.2	5.6	5.6	5.9	5.9	6.2	6.2
Phosphorus (µg/L)	10	11	20	16	15	13	14
Nitrogen (µg/L)	645	750	300	325	285	300	399
Ammonium (µg/L)	21	<10	<10	<10	<10	<10	<10
Nitrate (µg/L)	552	486	11	<5	<5	<5	21
Chlorophyll (µg/L)	4.7	8.1	7.2	11.4	10.8	12.2	8.6
Sediment (mg/L)							
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



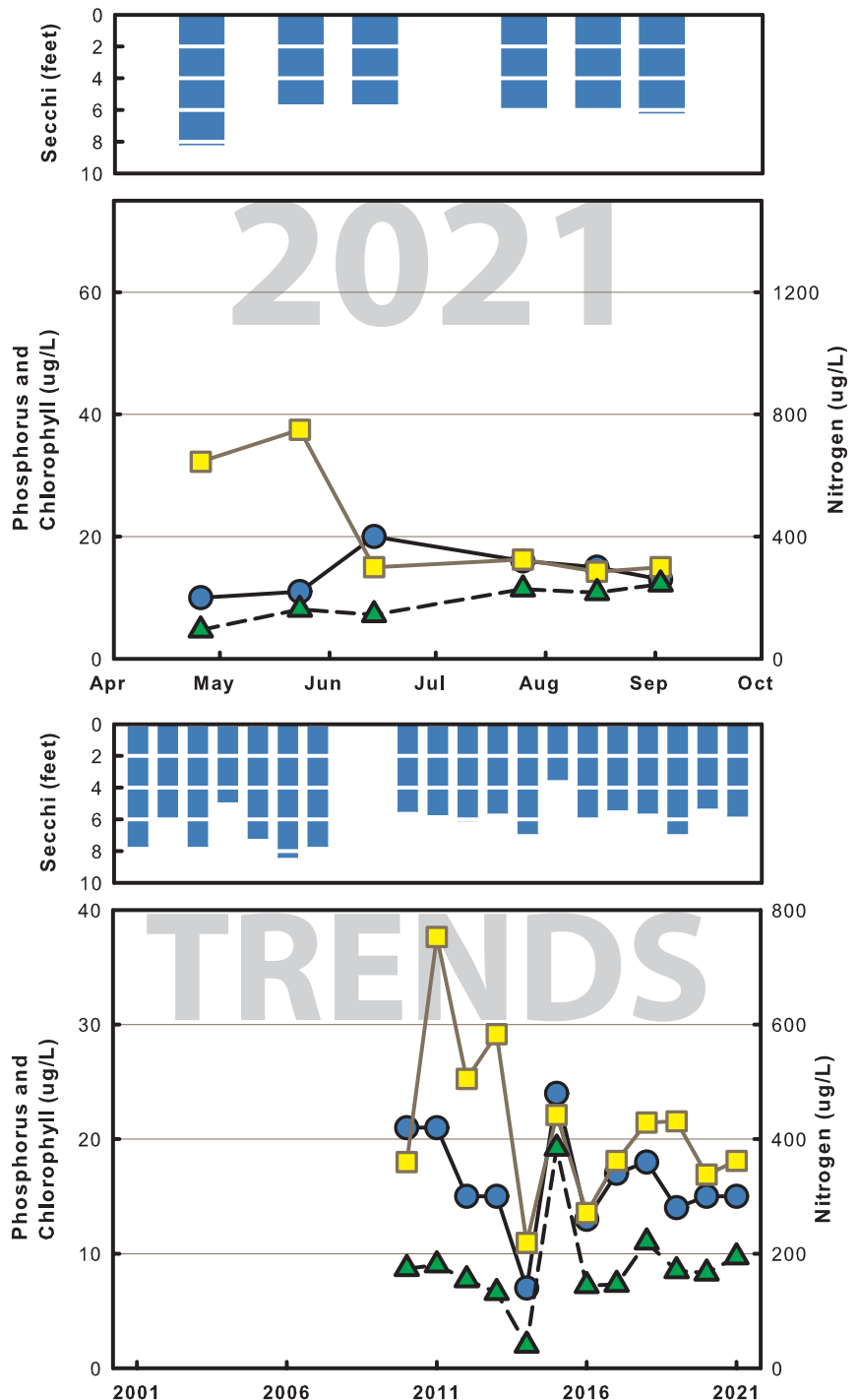
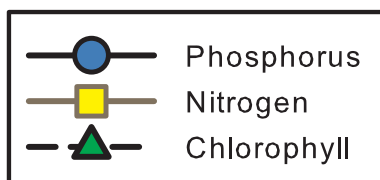
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

Legend for 2021 and Trend graphs



Taneycomo Site 10

2021 Data Table	6/29	7/20	8/6	8/27	9/21	Mean*
Temp (F)	48	56	65	66	59	58
Secchi (feet)						
Phosphorus (µg/L)	19	11	25	20	23	19
Nitrogen (µg/L)	895	815	760	695	810	792
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	2.5	2.0	5.2	6.7	5.2	3.9
Sediment (mg/L)						
Microcystin (µg/L)						
Cylindro (µg/L)						

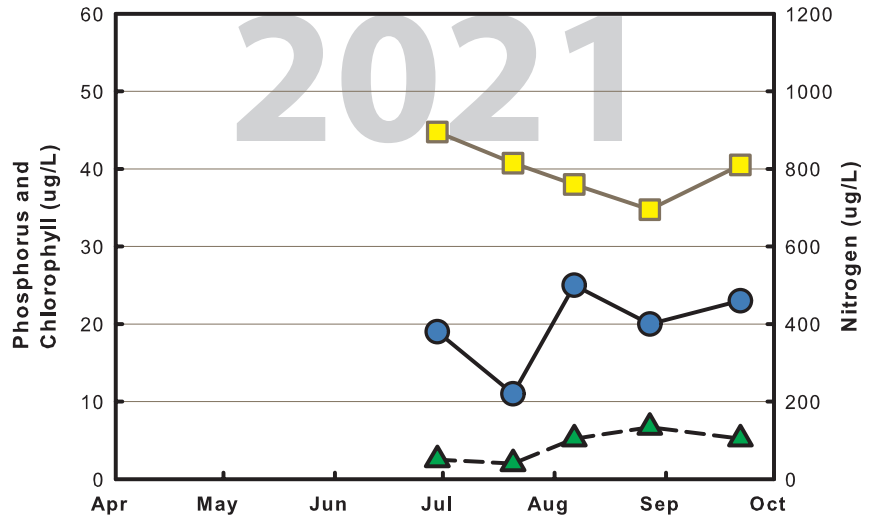
No 2021 Toxin Data

(* Table shows geometric means)

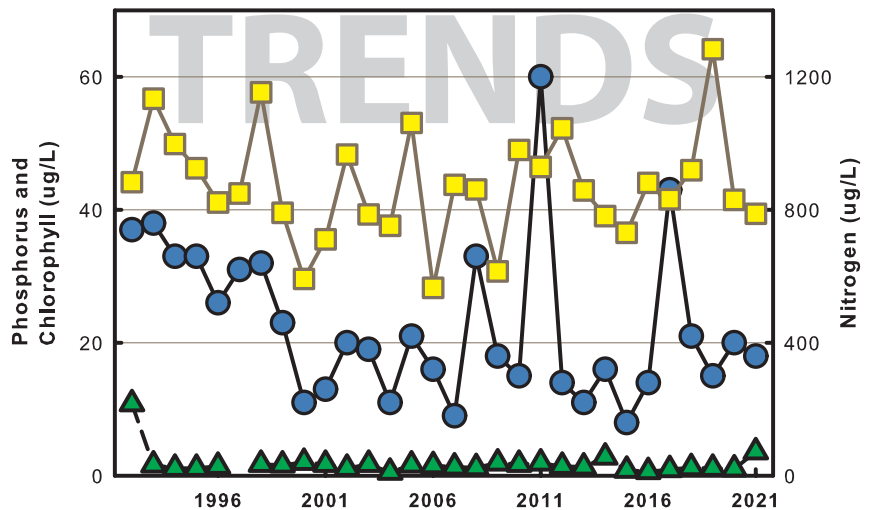
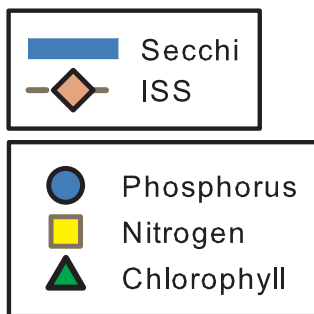
Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)



Legend for 2021 and Trend graphs



Taneycomo Site 3.5

2021 Data Table	6/29	7/20	8/6	8/27	9/21	Mean*
Temp (F)	60	66	73	77	72	69
Secchi (feet)	11.8	7.5	7.9	7.9	5.6	7.9
Phosphorus (µg/L)	9	10	14	19	21	14
Nitrogen (µg/L)	825	795	740	705	710	754
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	1.8	1.5	2.8	4.2	5.9	2.8
Sediment (mg/L)						
Microcystin (µg/L)						
Cylindro (µg/L)						

No 2021 Toxin Data

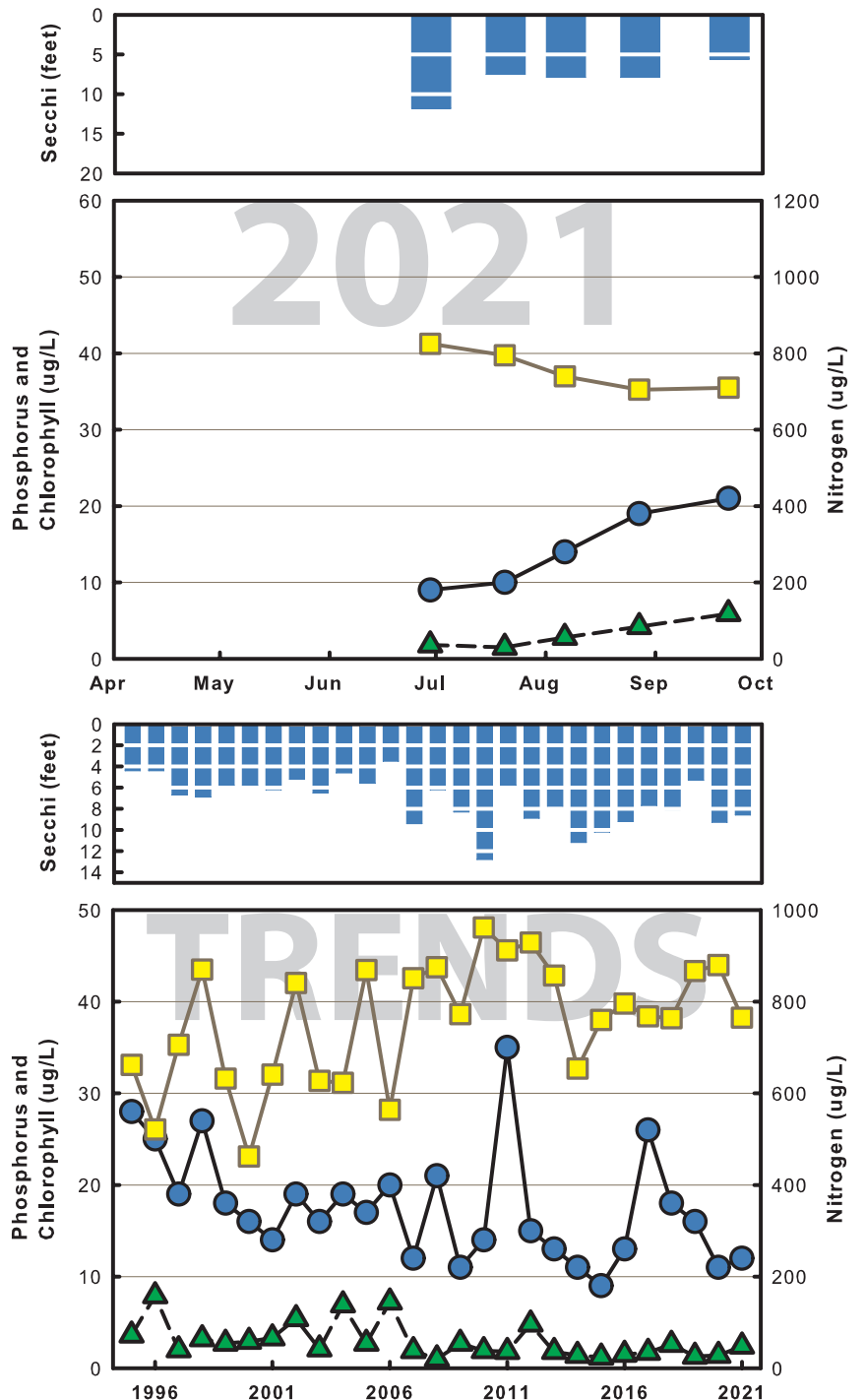
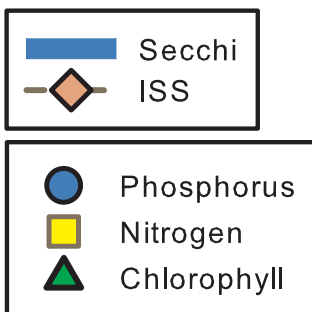
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs



Taneycomo Site 5

2021 Data Table	6/29	7/20	8/6	8/27	9/21	Mean*
Temp (F)	53	56	60	62	66	59
Secchi (feet)	18.7	15.4	10.2	15.1	6.9	12.5
Phosphorus (µg/L)	16	9	19	11	18	14
Nitrogen (µg/L)	915	935	860	830	880	883
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	1.9	2.1	0.7	0.8	0.7	1.1
Sediment (mg/L)						
Microcystin (µg/L)						
Cylindro (µg/L)						

No 2021 Toxin Data

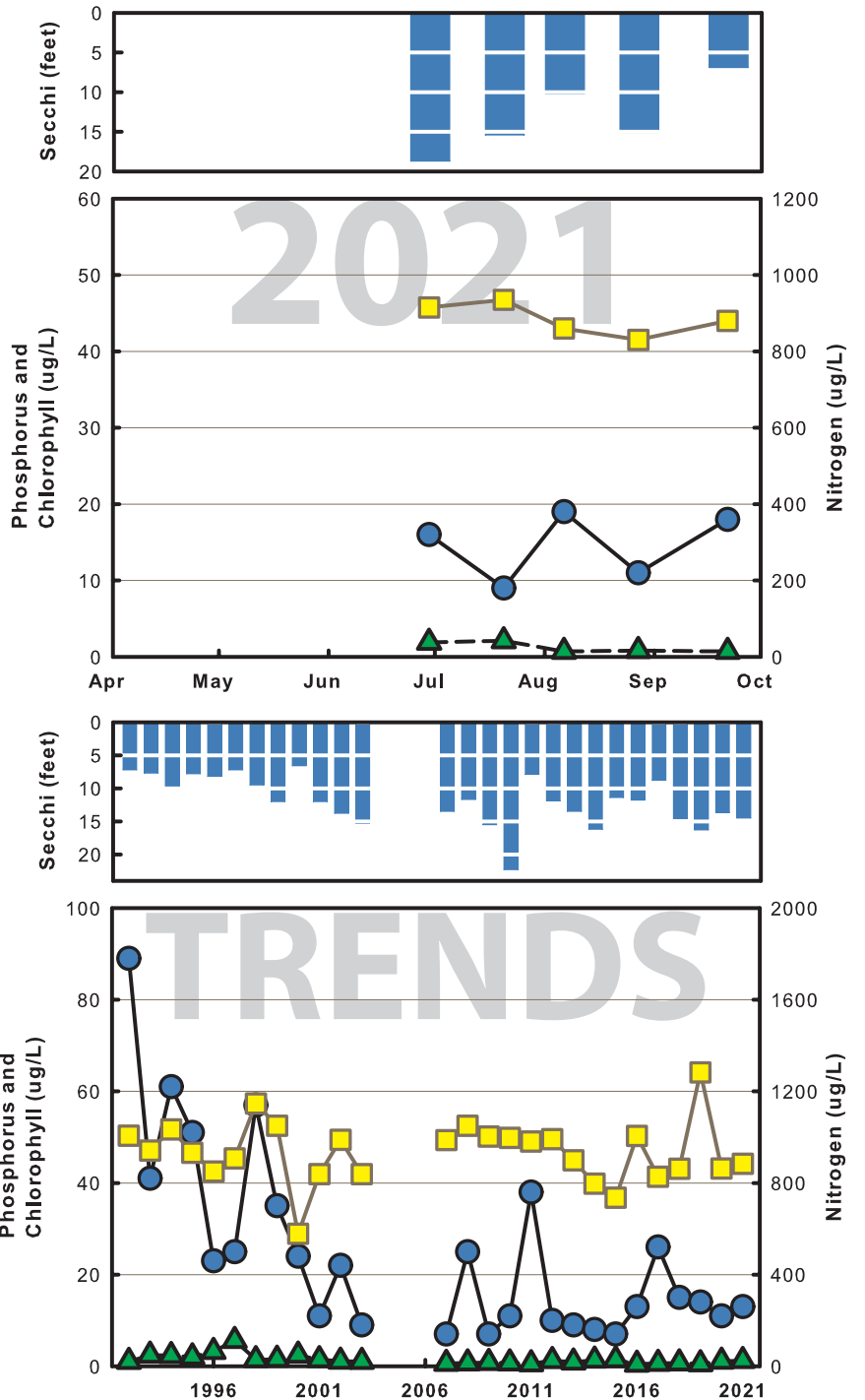
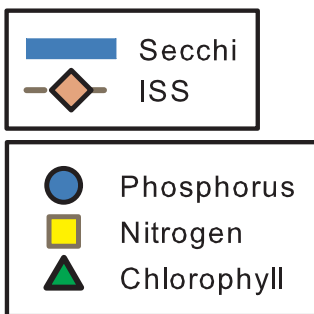
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs



Taneycomo Site 6

2021 Data Table	6/29	7/20	8/6	8/27	9/21	Mean*
Temp (F)	56	55	57	67	65	60
Secchi (feet)	16.4	16.1	11.5	15.4	8.5	13.2
Phosphorus (µg/L)	15	12	32	153	35	31
Nitrogen (µg/L)	905	870	1157	3005	1520	1330
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	1.5	1.8	0.8	0.6	5.6	1.5
Sediment (mg/L)						
Microcystin (µg/L)						
Cylindro (µg/L)						

No 2021 Toxin Data

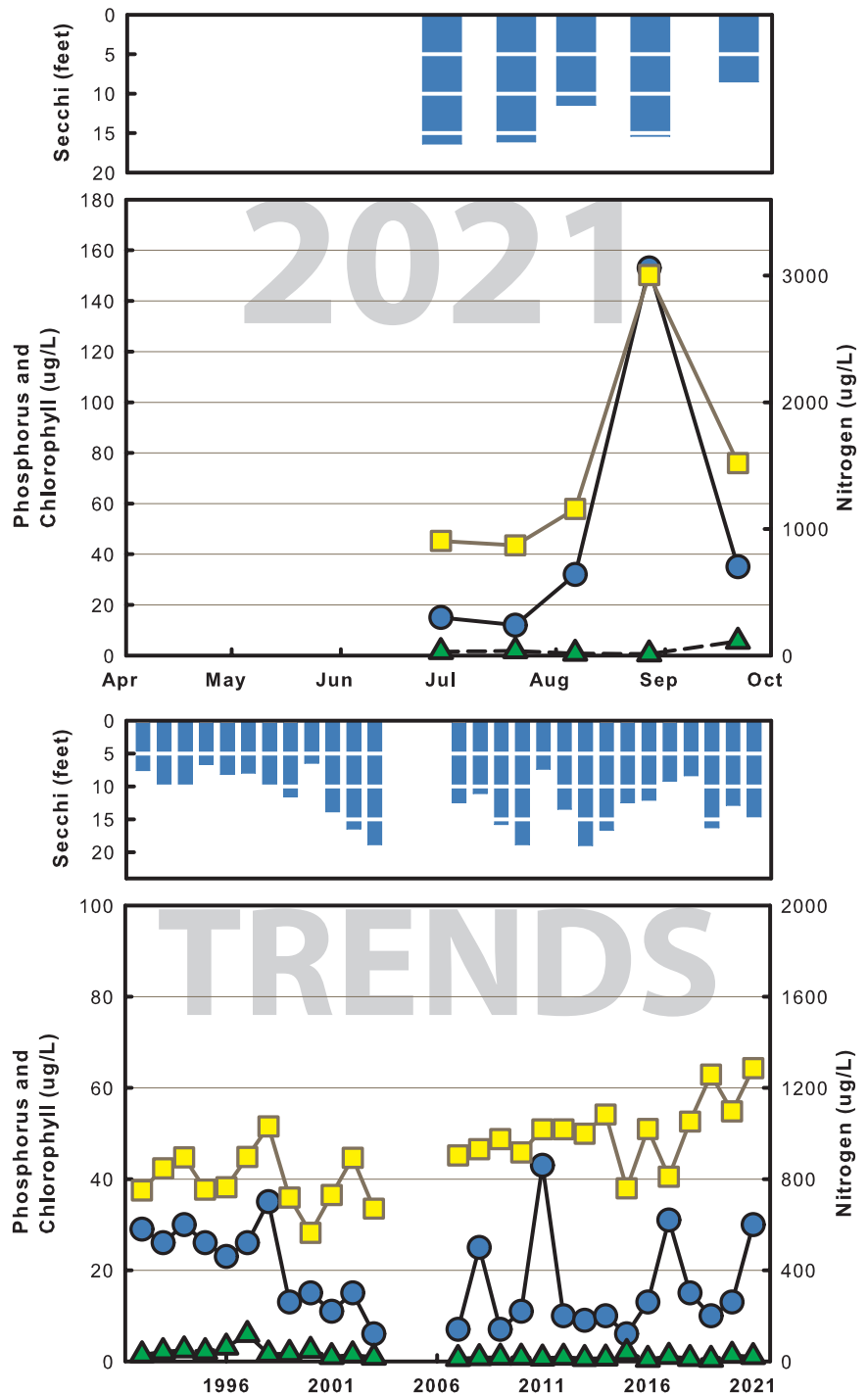
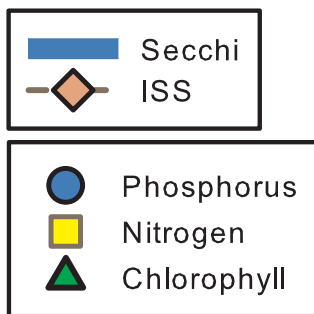
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric meandata from May 15 -
Sept. 15 only)

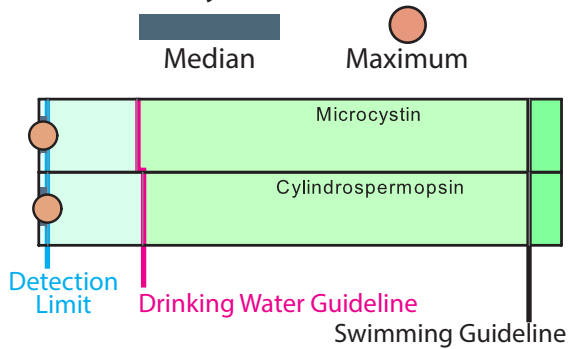
Legend for 2021 and Trend graphs



Taneycomo Site 6.7

2021 Data Table	6/7	6/21	7/5	7/26	8/10	9/2	9/20	Mean*
Temp (F)	54	50	55	56	60	60	65	57
Secchi (feet)	8.2	7.9	7.9	13.1	8.9	8.9	8.9	9.0
Phosphorus (µg/L)	8	11	10	37	14	11	14	13
Nitrogen (µg/L)	935	993	928	955	840	795	795	888
Ammonium (µg/L)	15	15	25	71	15	28	37	25
Nitrate (µg/L)	754	835	760	748	680	664	597	716
Chlorophyll (µg/L)	10.2	8.4	5.2	2.1	2.7	1.6	1.4	3.4
Sediment (mg/L)								
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



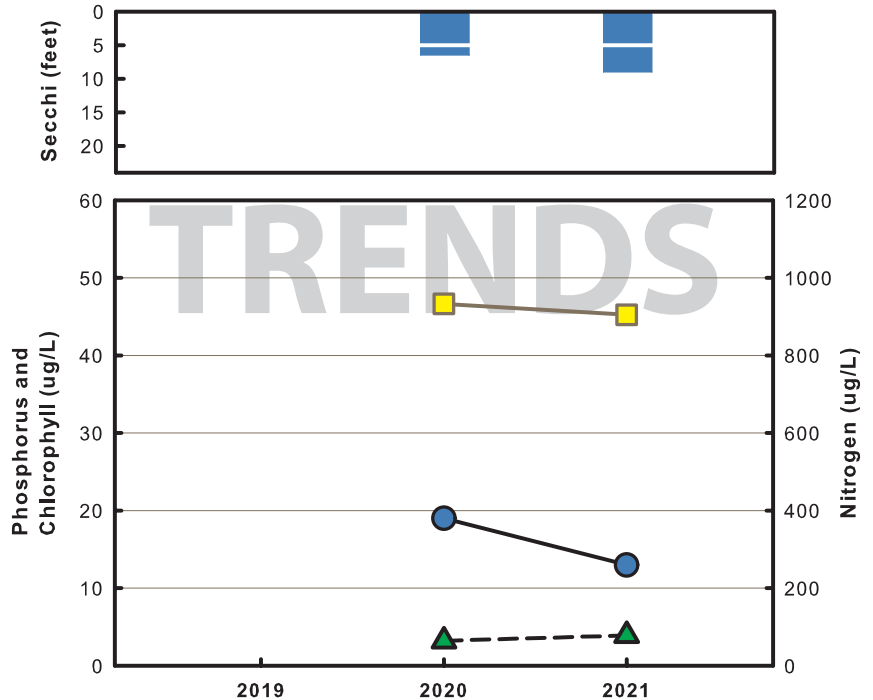
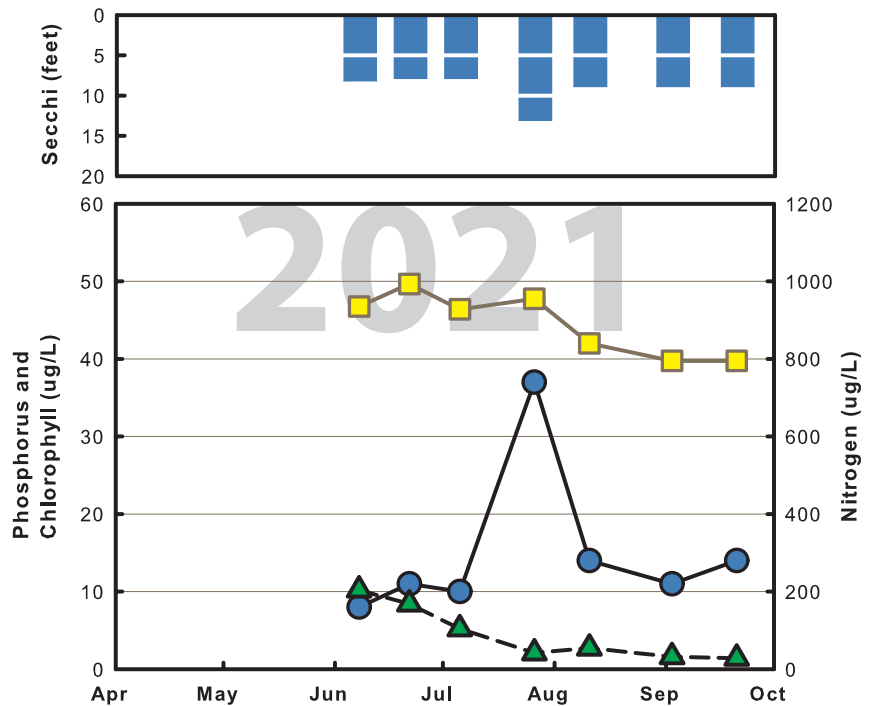
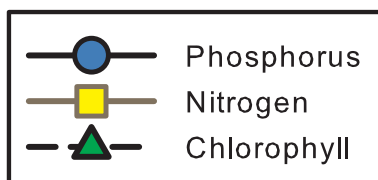
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

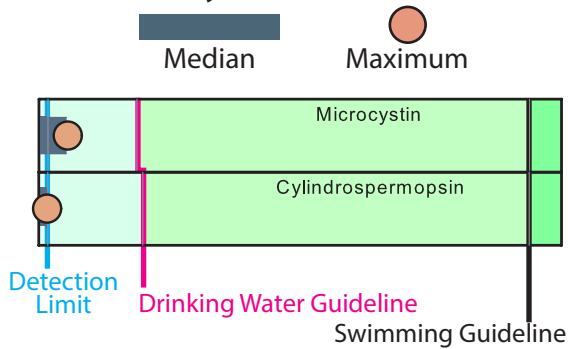
Legend for 2021 and Trend graphs



Tri-City Community Lake

2021 Data Table	5/12	7/30	8/26	Mean*
Temp (F)	65	87	86	79
Secchi (feet)				
Phosphorus (µg/L)	98	77	85	86
Nitrogen (µg/L)	1225	1070	1165	1152
Ammonium (µg/L)	122	<10	<10	15
Nitrate (µg/L)	82	6	7	15
Chlorophyll (µg/L)	26.5	37.5	34.3	32.4
Sediment (mg/L)	10.0	11.8	8.0	9.8
Microcystin (µg/L)	<0.10	0.45	0.44	0.21
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



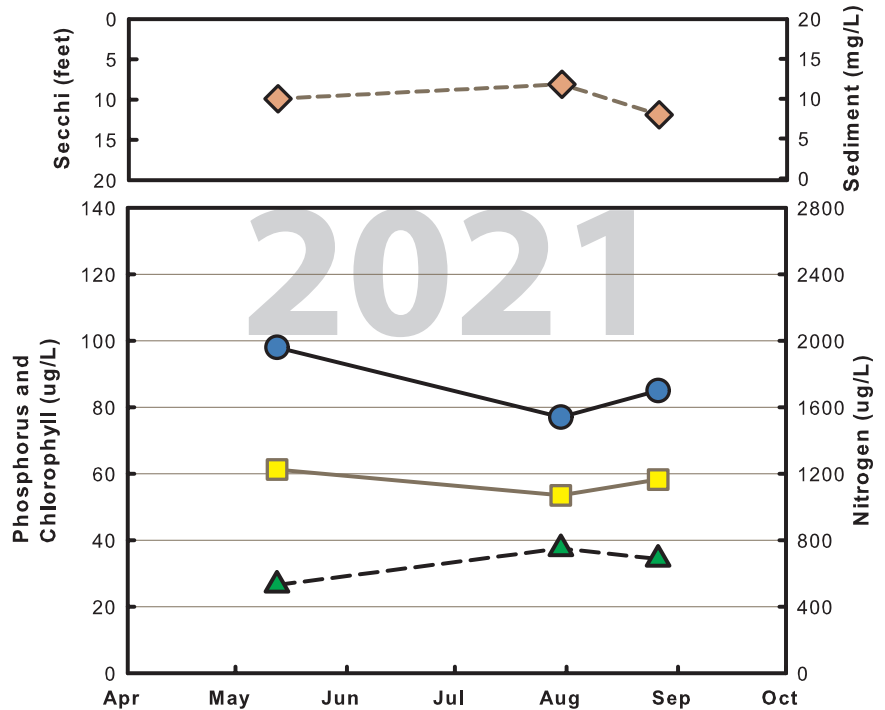
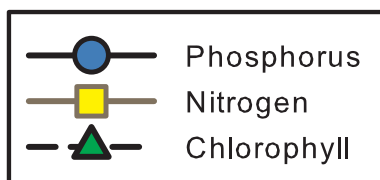
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

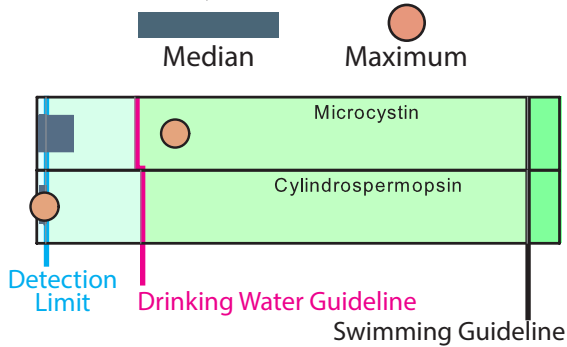
Legend for 2021 and Trend graphs



Vandalia Community Lake

2021 Data Table	5/22	6/12	7/3	7/24	8/14	9/3	9/25	Mean*
Temp (F)	74	84	80	85	85	78	70	79
Secchi (feet)	1.3	2.3	2.0	1.6	2.0	1.6	2.0	1.8
Phosphorus (µg/L)	225	129	179	140	100	91	96	130
Nitrogen (µg/L)	2295	1485	1370	1650	1535	1750	1730	1667
Ammonium (µg/L)	59	13	148	<10	22	406	419	58
Nitrate (µg/L)	213	6	6	6	<5	19	37	14
Chlorophyll (µg/L)	142.5	74.9	56.7	90.2	58.9	68.7	35.6	69.5
Sediment (mg/L)	8.4	4.8	5.6	4.6	2.6	2.8	4.6	4.5
Microcystin (µg/L)	<0.10	1.70	0.33	2.24	1.33	0.45	0.60	0.58
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2021 Cyanotoxin Results



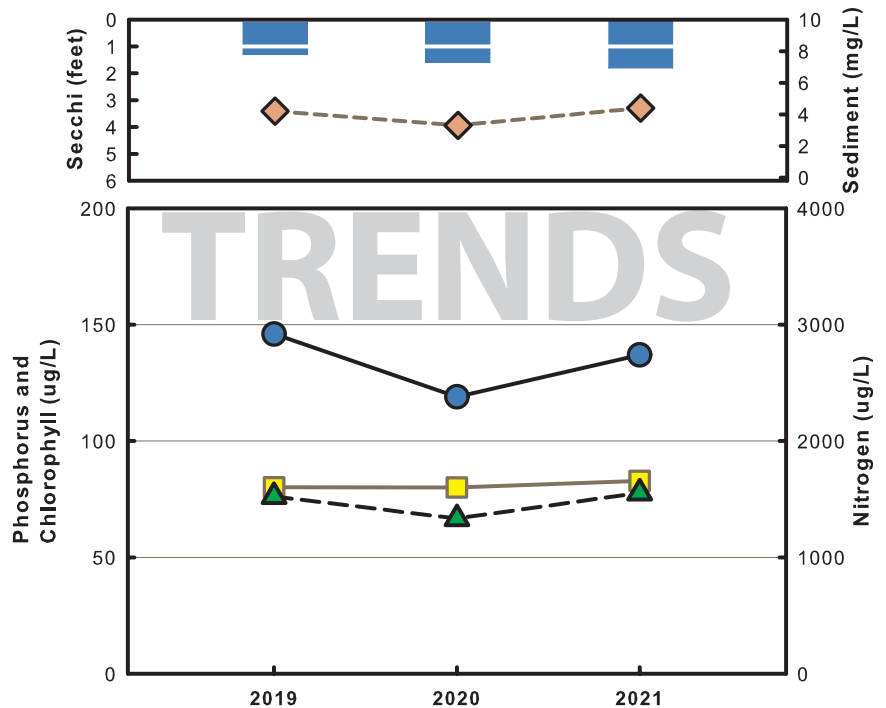
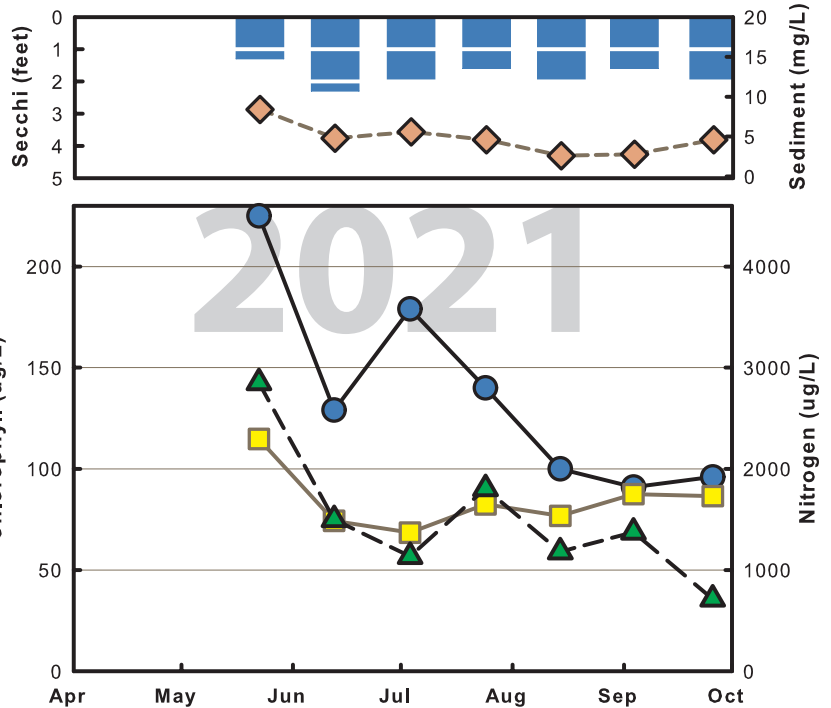
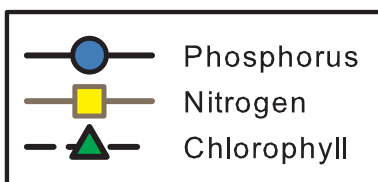
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

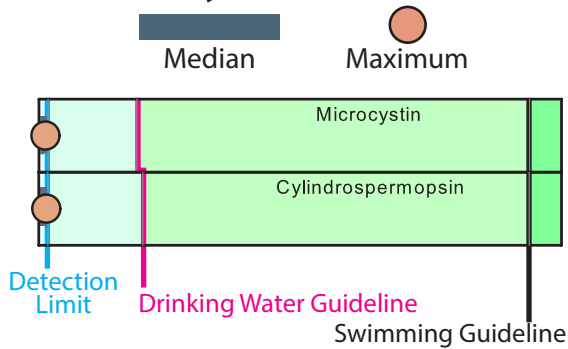
Legend for 2021 and Trend graphs



Wappapello Site 1

2021 Data Table	5/13	5/27	7/8	7/29	Mean*
Temp (F)	64	77	88	88	79
Secchi (feet)	1.6	4.3	2.3	2.0	2.4
Phosphorus (µg/L)	26	16	29	42	27
Nitrogen (µg/L)	330	250	770	870	485
Ammonium (µg/L)			<10	<10	<10
Nitrate (µg/L)			<5	<5	<5
Chlorophyll (µg/L)	16.9	7.1	26.9	31.1	17.8
Sediment (mg/L)	8.2	2.0	2.8	2.3	3.2
Microcystin (µg/L)			<0.10	0.10	<0.10
Cylindro (µg/L)			<0.04	<0.04	<0.04

2021 Cyanotoxin Results



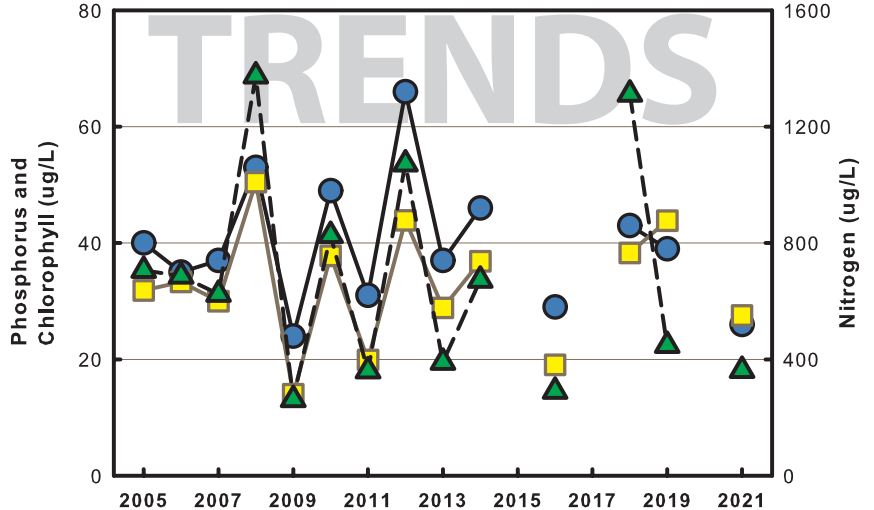
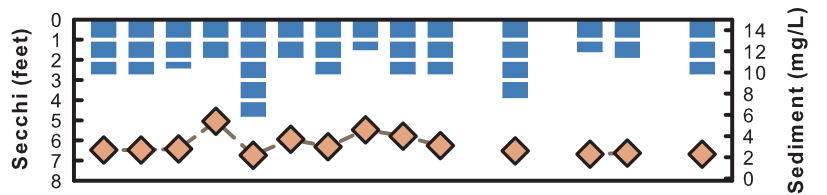
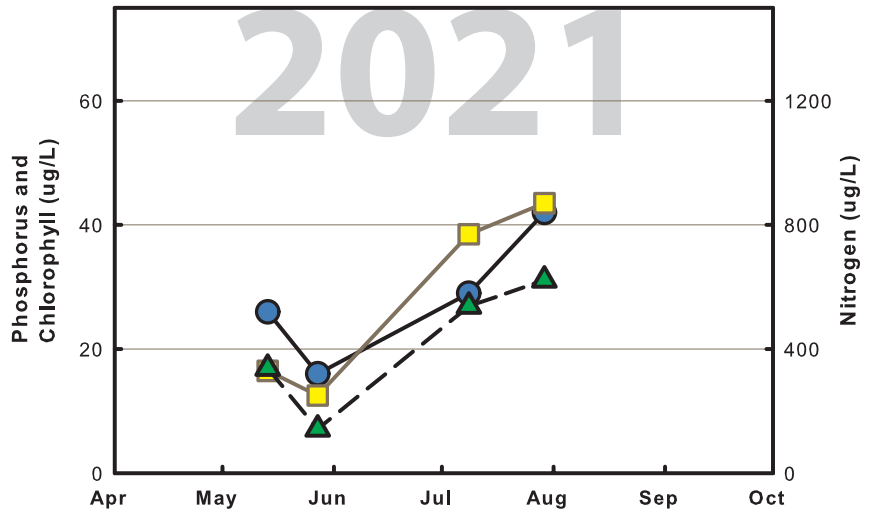
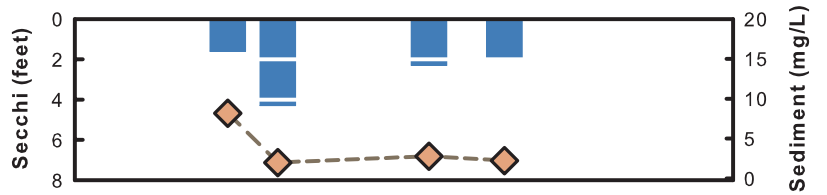
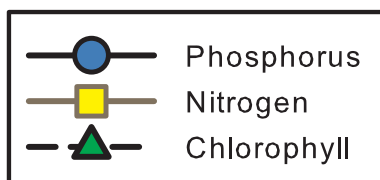
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

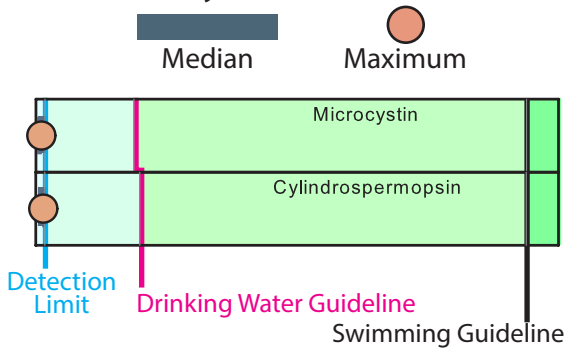
Legend for 2021 and Trend graphs



Wappapello Site 2

2021 Data Table	5/13	5/27	7/8	7/29	Mean*
Temp (F)	64	78	87	87	78
Secchi (feet)	2.6	2.0	1.3	1.0	1.6
Phosphorus (µg/L)	19	31	56	12	25
Nitrogen (µg/L)	870	320	375	730	525
Ammonium (µg/L)			<10	<10	<10
Nitrate (µg/L)			<5	<5	<5
Chlorophyll (µg/L)	11.7	13.5	33.5	34.7	20.7
Sediment (mg/L)	5.1	7.7	11.2	10.0	8.1
Microcystin (µg/L)			<0.10	<0.10	<0.10
Cylindro (µg/L)			<0.04	<0.04	<0.04

2021 Cyanotoxin Results



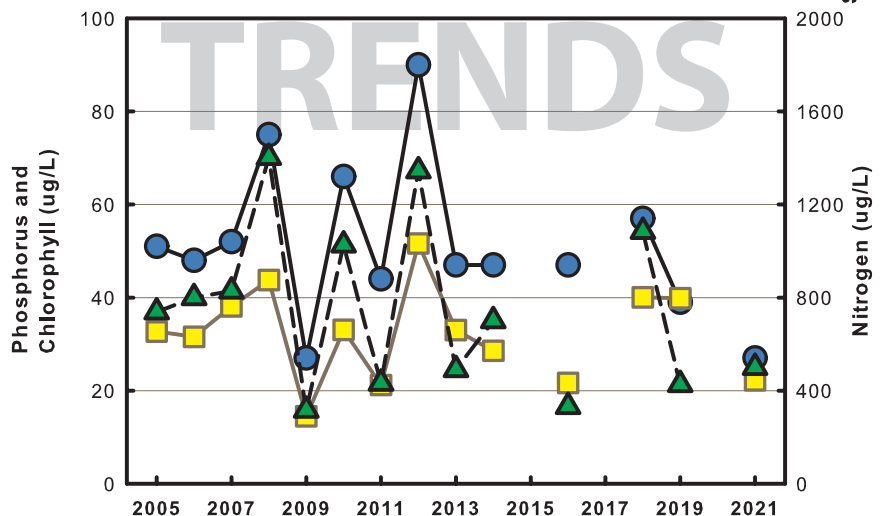
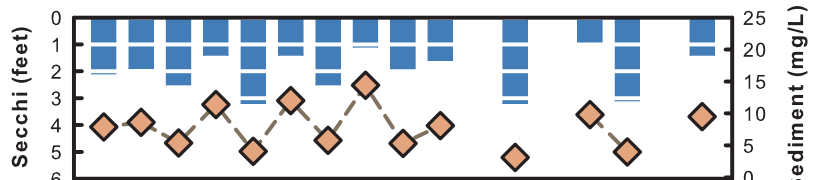
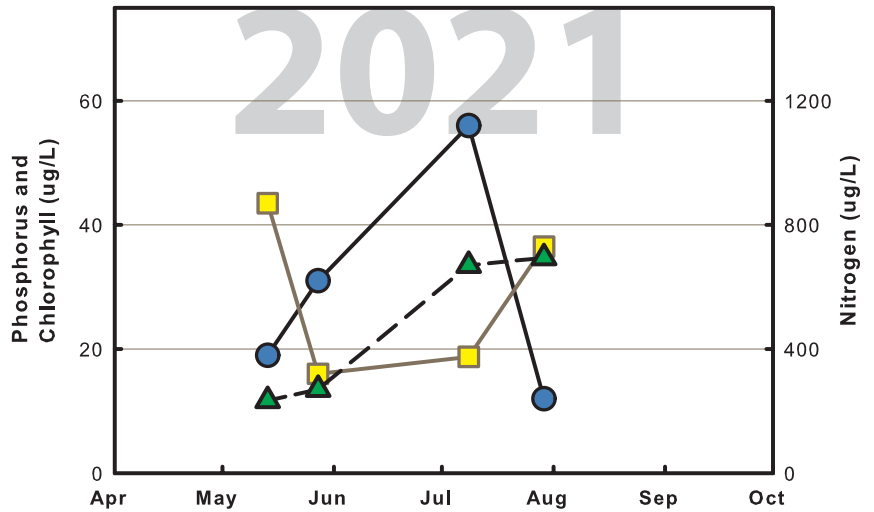
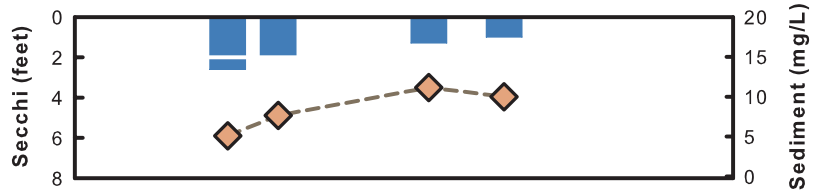
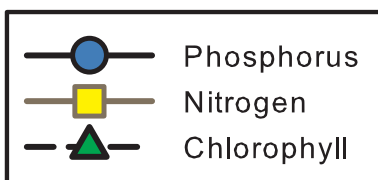
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

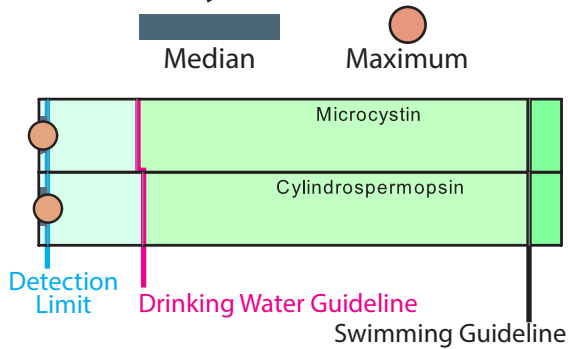
Legend for 2021 and Trend graphs



Wappapello Site 3

2021 Data Table	5/11	5/27	7/2	7/29	Mean*
Temp (F)			78	83	81
Secchi (feet)					
Phosphorus (µg/L)	14	13	20	19	16
Nitrogen (µg/L)	335	175	285	280	262
Ammonium (µg/L)			<10	<10	<10
Nitrate (µg/L)			133	23	55
Chlorophyll (µg/L)	4.8	6.8	6.9	12.6	7.3
Sediment (mg/L)	3.8	2.1	5.0	6.1	3.9
Microcystin (µg/L)			<0.10	<0.10	<0.10
Cylindro (µg/L)			<0.04	<0.04	<0.04

2021 Cyanotoxin Results



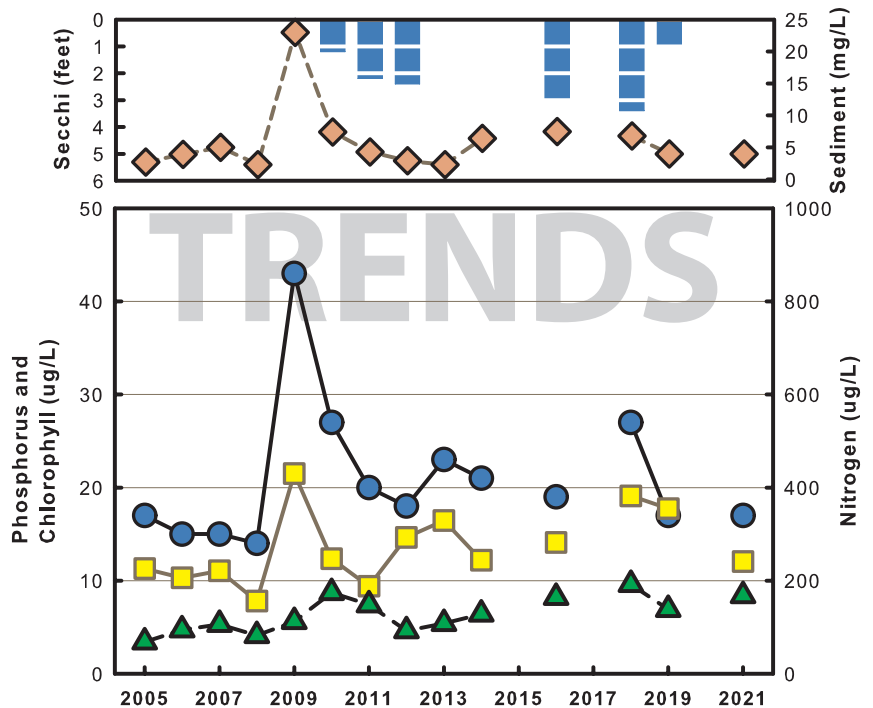
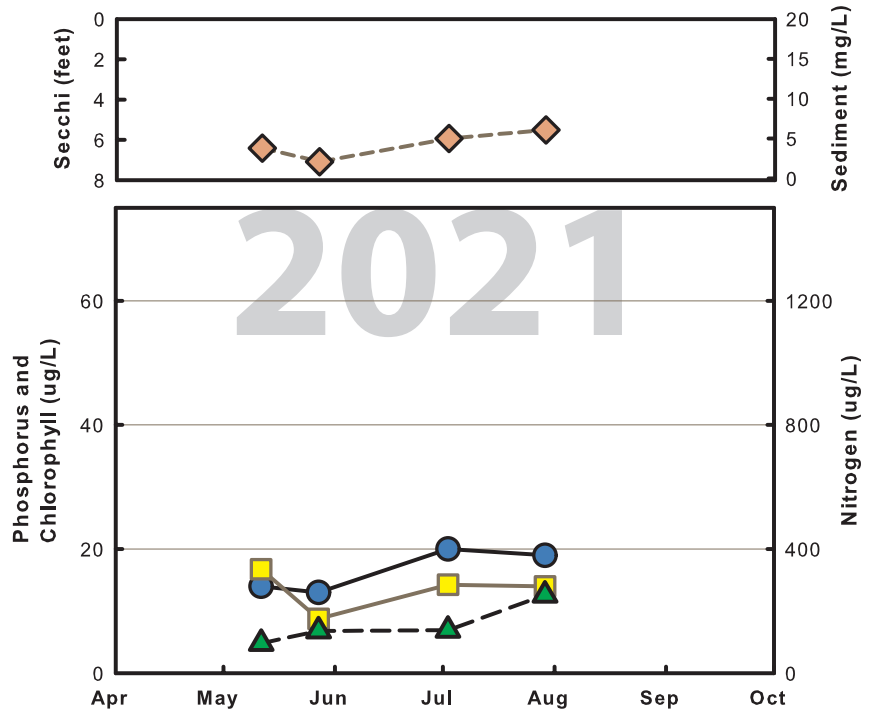
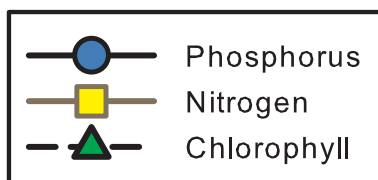
(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 - Sept. 15 only)

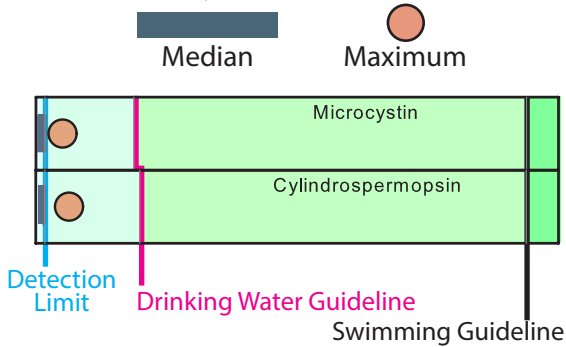
Legend for 2021 and Trend graphs



Waterworks

2021 Data Table	4/27	5/19	6/11	6/29	7/19	8/13	9/3	9/22	Mean*
Temp (F)	62	63	81	76		80	77	71	73
Secchi (feet)	2.0	1.6	5.6	2.6	2.6	2.3	2.6	2.0	2.5
Phosphorus (µg/L)	42	63	22	33	44	48	42	51	41
Nitrogen (µg/L)	510	630	485	725	815	835	745	795	680
Ammonium (µg/L)	<10	17	21	15	<10	<10	16	12	10
Nitrate (µg/L)	<5	7	7	<5	6	7	<5	9	5
Chlorophyll (µg/L)	8.8	12.7	7.5	34.3	28.8	38.3	29.0	34.6	20.6
Sediment (mg/L)	3.5	7.0	1.0	2.4	1.6	1.6	1.0	1.5	2.0
Microcystin (µg/L)	<0.10	<0.10	0.11	<0.10	0.23	0.42	0.40	0.39	0.15
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	0.42	0.73	0.05

2021 Cyanotoxin Results



(* Table shows geometric means)

Above: Cyanotoxin results

Right top: 2021 data graph

Right bottom: Long-term trend graph.
(geometric mean data from May 15 -
Sept. 15 only)

Legend for 2021 and Trend graphs

